



RIO BLANCO COUNTY
COMMUNITY DEVELOPMENT DEPARTMENT

Historic Courthouse
555 Main Street, 1st floor
Post Office, Box 599
Meeker, CO 81641
970 878 9456

**OIL or GAS WELL PAD
SPECIAL USE/BUILDING PERMIT**

SUBP NUMBER COGW-0007-19

PERMIT HOLDER XTO ENERGY INC

MAILING ADDRESS 21459 COUNTY ROAD 5, RIFLE, CO 81650

PHONE # 970-675-4075

WELL PAD LOCATION SW/SE, T1S, R97W

WELL PAD NUMBER RNPU 197-3A

DATE SEPTEMBER 25, 2019 Date Amended _____

The Rio Blanco County Planning and Development Department has reviewed your application for a special Use Permit for your proposed Oil or Gas Well Pad. The well Pad, as proposed, meets the minimum requirements of Article 9, of the Land Use Regulations and is hereby approved.

This Special Use permit is valid for the life of the pad from the issue date. Additional wells, or changes in Production Structures must be added with an amendment.

APPROVING OFFICIALS

Natural Resource Specialist Gen Massey 9-24-2019
Building Melissa Collins 9/24/19

cc. File
Building Department
Use Tax
Assessor
Natural Resource Specialist



**RIO BLANCO COUNTY
COMMUNITY DEVELOPMENT DEPARTMENT**

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Wells

Well API # 5-103-10770 Well Name RNPU 197-3A1
Well API # NEW Well Name RNPU 197-3A2H

Production Structures:

Number of Separators	<u>1</u>
Number of Metering	<u>0</u>
Chromatograph	<u>0</u>
RTU	<u>0</u>
Stairways	<u>1</u>
Tanks	<u>1</u>
Additional	<u> </u>

Yauger, Alice

From: Lannie Massey <Lannie.Massey@rbc.us>
Sent: Monday, September 23, 2019 11:50 AM
To: Yauger, Alice
Cc: Melanie Collins; Dooling, Jessica
Subject: Re: RNPU 197-3A2H Well Permit Application

Categories: External Sender

Looks good, thank you.

Lannie Massey
Rio Blanco Co.
Natural Resource Specialist
Office: 970-878-9586
Cell: 970-629-1274

On Mon, Sep 23, 2019 at 10:16 AM Yauger, Alice <Alice_Yauger@xtoenergy.com> wrote:

Lannie & Melanie:

Per our conversation, please find attached the SUBP application for the RNPU 197-3A2H well. Included in the package are copies of the approved BLM and COGCC APDs for the existing well, RNPU 197-3A1 (FKA Wild Horse 197-3A1) and rough drafts of the COGCC Form 2 and Form 2A for the new well, RNPU 197-3A2H. Under the "Application Fees" please advised if I have calculated this correctly. I have \$1150 for the Base Pad Fee + Well Permit Fee (1) + TLQ. If this is correct, I can get a check this week or early next week!

Once I submit the COGCC and BLM applications for the new well, I will send copies your way for your records along with approved copies when I get them.

I appreciate your help immensely and please let me know if you have any questions.

Thank you!

Alice Yauger

Permitting Analyst

XTO Energy Inc. – Bakken Business Unit

110 W. 7th Street

Fort Worth, Texas 76102

Office: 817-378-5312 | Mobile: 682-444-5612 | Fax: 817-885-2072 | Email: alice_yauger@xtoenergy.com

An ExxonMobil Subsidiary

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Permit Number SU/BP _____

Historic Courthouse
555 Main Street 1st Floor
Post Office Box 599
Meeker, CO 81641
(970) 878-9450

Application Packet for Oil or Gas Well Pad Special Use/Building Permit

This application serves as an all-in-one form and check-list for a Special Use/Building Permit for an oil and gas well pad (pad), including pad construction, drilling, completion, production, and reclamation phases. Please submit the required information a minimum of 30 days before the anticipated start of well pad construction. No work, including well pad or access road construction may proceed before this permit is completed and approved.

Company Information

Company Name XTO ENERGY INC.
Contact Person Jessica Dooling, Regulatory Coordinator
Address 21459 County Road 5
Rifle, CO 81650
Phone 970-675-4075
Cell 970-462-1948
E-mail jessica_dooling@xtoenergy.com

Planning Division	970-878-9450
Building Division	970-878-9450
Environmental Health	970-878-9450
Impact Fees	970-878-9610
Road and Bridge	970-878-9590

Well Pad Information

Well Pad Name RNPU 197-3A
Well Pad Location QtrQtr Section SWSE Township 1S Range 97W
Latitude 39.988498 Longitude -108.266853
Surface Land Owner BLM Lease No. COC-61713

Required Pad Specific Information and Documents

Legal description/ proof of ownership/ authority:

If owner is other than applicant, letter of consent conveying authority to act on behalf of the owner and/or a copy of signed contract with owner, if applicable.

If on public lands, documentation giving proof of legal authority to use the site. (Approved APD)

Is this pad within the FEMA mapped 100 year floodplain? Yes No (If yes, include on site map.)

Process water source _____

Emergency Information

- Emergency Response Map- showing detailed road access and mileage to the site from public roads including gate information with lock combinations. May use access road map from COGCC APD Application
- Emergency Response Information – Must provide name, address, and phone number, including 24 hour number of at least 2 persons responsible for emergency field operations.
1. Name XTO Control Room (In-Service 24/7) Phone 970-675-4118 Cell Phone _____
2. Name Van Reid, Sr. Production Foreman Phone 970-675-4013 Cell Phone 970-812-7260
- Sign Plan – at a minimum must be sufficient to direct emergency responders and must identify any special hazards.

Well Information RNPU 197-3A1 is an existing well. No RBC permit on file.

Number of wells on this pad that you anticipate permitting at this time. 2

Well API #	<u>05-103-10770-00</u>	Well Name	<u>RNPU 197-3A1</u>	Depth	<u>13,835'</u>
Well API #	<u>NEW</u>	Well Name	<u>RNPU 197-3A2H</u>	Depth	<u>22,085'</u>
Well API #	_____	Well Name	_____	Depth	_____
Well API #	_____	Well Name	_____	Depth	_____
Well API #	_____	Well Name	_____	Depth	_____
Well API #	_____	Well Name	_____	Depth	_____
Well API #	_____	Well Name	_____	Depth	_____
Well API #	_____	Well Name	_____	Depth	_____
Well API #	_____	Well Name	_____	Depth	_____

Are additional future wells planned for this pad? Yes Number _____
No

*** Additional wells may be added to this initial permit as needed with Appendix 4, Permit Amendment.**

[] Copy of the Approved APD for each well (if applied for but not yet issued, send an unapproved copy and a follow-up copy when approval is final)

Temporary Living Quarters (TLQ)

Is a TLQ to be used at this site? No Yes (See Appendix 1)

To be submitted at least 14 days prior to moving drilling rig on pad site.

Sewage System

Number of portable toilets to be used at this site? 2

Is a sewage disposal system to be used at this site? No Yes (See Appendix 2)

Pit Information

Will a closed loop drilling system be used? Yes No

Road Access Information

(Access permits may be required, depending on site access requirements)

Utilities that enter a road right of way must have a Utilities Installation Permit. Access and Utilities permits, as to County roads, are issued by the Rio Blanco County Road and Bridge Department. The Colorado Department of Transportation (CDOT) issues permits relative to state highways. Please contact RBC Road and Bridge Department at 970-878-9590 or CDOT at 970-248-7021 for more information.

RBC Access Permit - Not Applicable Yes

RBC Oversize, Overweight Permit - Not Applicable Yes

RBC Utilities Installation Permit - Not Applicable Yes

CDOT Access Permit - Not Applicable Yes

Which roads will be used to access this site? _____

Vanpooling or busing plan Yes No

General Company Documents These documents are usually not well specific. Once on file with the County, you need not resubmit.

- [] Stormwater Management Plan or Certificate - if not already submitted with other permit information.
- [] Reclamation Plan – if not already submitted with other permit information.
- [] Weed Control Plan – addressing interim and final weed abatement.

Application Fees

Base Pad Fee	\$ 500
Well Permit Fee \$ 250 / Well	
Number of wells (<u>1</u> x \$ 250)	<u>250</u>
TLQ (if applicable)	\$400
Septic Permit (if applicable)	\$200
Application Fee Total	<u>1150</u>

Impact Fees

Well Impact Fee Deeper than 5,500' \$ 17,981 per well	=	<u>N/A</u>
Less than 5,500' \$ 10,581 per well	=	<u>N/A</u>
Well with on-site Produced Water Disposal \$10,881 per Well	=	<u>N/A</u>
TOTAL		<u>N/A</u>


For assistance with Impact Fee calculation contact Deb Morlan, 970-878-9610

For impact fee payment information contact Deb Morlan, 970-878-9610

Use Tax

A use tax packet will be issued by the Sales and Use Tax Administrator to the applicant after approval of this Special Use/Building Permit. Contact Deb Morlan, 970-878-9610 for Use Tax information.

By acceptance of a Rio Blanco County Permit, the Applicant grants to Rio Blanco County, its agents and employees, permission to inspect a site during normal business hours, without notice, to assess compliance with the terms and conditions of the Special Use/Building Permit.

Name of Person completing this application (print) Alice Yauger, Permitting Analyst
Signature  Date 9/23/2019

TLQ Building #1

OWNER _____

Serial # _____ ROOF SNOW LOAD _____

SQUARE FOOTAGE _____ LENGTH _____ WIDTH _____

SET UP TYPE SKID MOUNT ENGINEERED SET UP OTHER

CDOH REGISTRATION NUMBER _____ SMM _____

TLQ Building #2

OWNER _____

Serial # _____ ROOF SNOW LOAD _____

SQUARE FOOTAGE _____ LENGTH _____ WIDTH _____

SET UP TYPE SKID MOUNT ENGINEERED SET UP OTHER

CDOH REGISTRATION NUMBER _____ SMM _____

TLQ Building #3

OWNER _____

Serial # _____ ROOF SNOW LOAD _____

SQUARE FOOTAGE _____ LENGTH _____ WIDTH _____

SET UP TYPE SKID MOUNT ENGINEERED SET UP OTHER

CDOH REGISTRATION NUMBER _____ SMM _____

TLQ Building #4

OWNER _____

Serial # _____ ROOF SNOW LOAD _____

SQUARE FOOTAGE _____ LENGTH _____ WIDTH _____

SET UP TYPE SKID MOUNT ENGINEERED SET UP OTHER

CDOH REGISTRATION NUMBER _____ SMM _____

TLQ Building #5

OWNER _____

Serial # _____ ROOF SNOW LOAD _____

SQUARE FOOTAGE _____ LENGTH _____ WIDTH _____

SET UP TYPE SKID MOUNT ENGINEERED SET UP OTHER

CDOH REGISTRATION NUMBER _____ SMM _____

TLQ Building #6

OWNER _____

Serial # _____ ROOF SNOW LOAD _____

SQUARE FOOTAGE _____ LENGTH _____ WIDTH _____

SET UP TYPE SKID MOUNT ENGINEERED SET UP OTHER

CDOH REGISTRATION NUMBER _____ SMM _____

Appendix 2

To be submitted at least 14 days prior to moving drilling rig on pad site.

Sewage System Use Permit

Permit Number SU/BP # _____

Conditions for Use of a Sewage Disposal System on a Well Pad

All components of the sewage/wastewater system shall comply with the Rio Blanco County *Standards for Onsite Wastewater Systems* as well as the Colorado *Guidelines on Individual Sewage Disposal Systems (5 CCR 1003-6)*. All wastewater and septage removed from the site must be removed and hauled by a systems cleaner with a current and valid Rio Blanco County systems cleaner license. Written records (manifests) of all septage removed from the system shall be provided to Rio Blanco County Environmental Health (Environmental Health) on no less than a weekly basis. All wastewater and septage removed from the site must be disposed of at an approved disposal/treatment facility. All wastewater and septage releases/spills shall be reported via telephone (970-878-9450 to Building Division within 24 hours of discovery. All reports/documentation shall be submitted via email at jeff.kummer@rbc.us or via fax at 970-878-5729.

Do you agree to these conditions? Yes No

Will effluent be discharged to State Waters? Yes No

Is well pad in known floodplain/ floodway. Yes No

Vaults

Volume Vault 1 _____ gallons Volume Vault 2 _____ gallons

Volume Vault 3 _____ gallons Volume Vault 4 _____ gallons

Volume Vault 5 _____ gallons Volume Vault 6 _____ gallons

Final Disposal Site _____ Alternate Disposal Site _____

Advanced Treatment Systems

Advanced Treatment System(s) Type/Manufacturer _____

Number _____ Treating Capacity _____

Final Disposal Site _____

Alternate Disposal Site _____

Septic System

Septic System If a septic system is planned an engineered design is required. Please contact Building Division at 970-878-9450.

Appendix 3

Production Structures

PERMIT SU/BP # _____

Anticipated Production Structures on the Pad

All structures typically on the well pad can be permitted with this one permit application. The well operator will be responsible to insure all structures meet current Rio Blanco County building codes and/or OSHA standards. No certificate of occupancy is required but you must arrange for inspection before structures are put into service. Only health and safety items will be inspected. **THIS INFORMATION WILL BE UPDATED/CORRECTED AT THE TIME OF INSPECTION.** Please list all planned structures below:

SEPARATOR: NO YES QTY 1 SIZE SQ. FT. PER STRUCTURE 96
Valuation per structure \$200,000

Colorado Division of Housing Sticker Y N Not required

METERING NO YES QTY 1 SIZE SQ. FT. PER STRUCTURE see above
Valuation per structure _____

Included in above Separator Skid.

Colorado Division of Housing Sticker Y N Not Required

CHROMATOGRAPH NO YES QTY _____ SIZE SQ. FT. PER STRUCTURE _____
Valuation per structure _____

Colorado Division of Housing Sticker Y N Not Required

RTU UNIT: NO YES QTY _____ SIZE SQ. FT. PER STRUCTURE _____
Valuation per structure _____

Colorado Division of Housing Sticker Y N Not Required

TANKS (Directly on Grade) NO YES QTY 1 VOLUME OF EACH 750 BBL
Valuation per structure \$24,000

TANKS (Elevated) NO YES QTY _____ VOLUME OF EACH _____ BBL
Valuation per structure _____

STAIRWAYS NO YES

QTY 1 MAXIUM HT. 20'

ADDITIONAL STRUCTURE

Description Flare

QTY 1 SIZE SQ. FT. 40

Valuation \$19,000

Colorado Division of Housing Sticker Y N

ADDITIONAL STRUCTURE

Description _____

QTY _____ SIZE SQ. FT. _____

Valuation _____

Colorado Division of Housing Sticker Y N

Connecting Pipeline(s)

Pipelines connecting this pad to a gathering pipeline can be permitted as a part of this application. Gathering and main pipelines require a separate **Pipeline Special Use/Building Permit.**

- Connecting Pipelines (up to 2000 ft included)
- Connecting pipeline not include in this permit application

[] Paper copy and digital copy map of the pipeline(s).

Use _____ Size _____ Material _____ Length _____

Use _____ Size _____ Material _____ Length _____

Use _____ Size _____ Material _____ Length _____

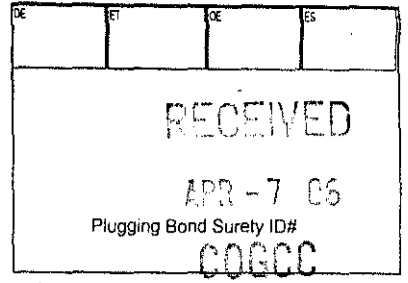
Pipelines filed under SUBPP No. CBPP-0004-19.



Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109

APPLICATION FOR PERMIT TO:



1. Drill, Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL OIL GAS COALBED OTHER: SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Refilling Side-track

3. Name of Operator Exxon Mobil Corporation 4. COGCC Operator Number: 28600
5. Address: P. O. Box 4358; CORP-MI-P055
6. Contact Name: Lynn Neely Phone: (281) 654-1949 Fax: (281) 654-1940
7. Well Name: Wild Horse Well Number: 197-3A1
8. Unit Name (if appl): Unit Number:
9. Proposed Total Measured Depth: 14,500'
10. QtrQtr: SE8W SWSE Sec: 3 Twp: 1S Rng: 97W Meridian: 6th P.M.
11. Field Name: Piceance Creek Field Number: 68800
12. Ground Elevation: 6,451.5' 13. County: Rio Blanco

Attachment Checklist table with columns OP and COGCC. Items include APD Orig & 1 Copy, Form 2A, Well location plat, Topo map, Mineral lease map, Surface agrmt/Surety, 30 Day notice letter, Deviated Drilling Plan, Exception Location Request, Exception Loc Waivers, H2S Contingency Plan, Federal Drilling Permit.

14. GPS Data: Date of Measurement: 12/5/2005 PDOP Reading: 1.9 Instrument Operator's Name: E. Watts

15. If well is: Directional Horizontal (highly deviated), submit deviated drilling plan. Bottomhole Sec Twp Rng: Sec. 3, T1S, R97W
Footage At Top of Prod Zone: 555' FSL 1,930' FEL At Bottom Hole: 555' FSL 1,930' FEL
16. Is location in a high density area (Rule 603b)? Yes No
17. Distance to the nearest building, public road, above ground utility or railroad: > 200'
18. Distance to Nearest Property Line: > 150' 19. Distance to nearest well permitted/completed in the same formation: > 1,200'

20. LEASE, SPACING AND POOLING INFORMATION
Objective Formation(s) Formation Code Spacing Order Number (s) Unit Acreage Assigned to Well Unit Configuration (N/2, SE/4, etc.)
Wasatch WSTC
Ohio Creek OHCRK
Mesaverde MVRD
21. Mineral Ownership: Fee State Federal Indian Lease # COC - 61713
22. Surface Ownership: Fee State Federal Indian
23. Is the Surface Owner also the Mineral Owner? Yes No Surface Surety ID# ESB 000036
23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? Yes No
23b. If 23 is No: Surface Owners Agreement Attached or \$25,000 Blanket Surface Bond \$2,000 Surface Bond \$5,000 Surface Bond
24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer): See attached description
25. Distance to Nearest Mineral Lease Line: 855' 26. Total Acres in Lease: 2,527.50

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? Yes No If Yes, attach contingency plan.
28. Will salt sections be encountered during drilling? Yes No
29. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling? Yes No
30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? Yes No If 28, 29 or 30 are "Yes" a pit permit may be required.
31. Mud disposal: Offsite Onsite
Method: Land Farming Land Spreading Disposal Facility Other: Burial

NOTE: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b.) If air/gas drilling, notify local fire officials.
Table with columns: String, Size of Hole, Size of Casing, Weight Per Foot, Setting Depth, Sacks Cement, Cement Bottom, Cement Top. Rows: Conductor, Surface, Intermediate, Production, Stage Tool.

32. BOP Equipment Type: Annular Preventor Double Ram Rotating Head None
33. Comments See attached Federal application for additional details and see attachment for comments on Items 29 & 30, and casing cementing program and request for exception of Rule 317.
34. Initial Rule 306 Consultation took place on (date) Not Required, was waived, or is not required. Provide supporting documentation if consultation has been waived or if good faith effort did not result in consultation.
PERMIT SUBMITTED TO COGCC PRIOR TO COMPLIANCE WITH RULE 306 CONSULTATION SHALL BE RETURNED UNAPPROVED.
I hereby certify that a complete permit package has been sent to the applicable Local Government Designee(s), and all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: Lynn Neely Print Name: Lynn Neely
Title: Regulatory Technical Assistant Date: 4-6-06 Email: lynn_r.neely@exxonmobil.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.
COGCC Approved: [Signature] Director of COGCC Date: 6-9-06
Permit Number: 20061637 Expiration Date: 6-8-07

API NUMBER 05-103-10770-00

If the proposed surface casing is more than 50' below the depth of the deepest water well within 500' of the surface location when corrected for

The operator shall comply with Rule 321., and it shall be the operator's responsibility to ensure that the wellbore complies with

24 Hour Spud Notice Required. All notification via e-mail: jaime.adkins@state.co.us

ATTACHMENT TO COGCC FORM 2

ExxonMobil Oil Corporation
Wild Horse 197-3A1
Sec. 3, T1S, R97W, 6th P.M.
Rio Blanco County, CO

Item 29: The reserve and/or dry cuttings pit will be lined. Pit permit has been applied for.

Item 30: Drill cuttings will be disposed of in the reserve or dry cuttings pits and buried with at least 4' of cover if the TPH is less than 1%. We may also use the Soli-Bond Inc. pit stabilization process if the TPH is 1% or greater. E & P waste will be handled as defined, prescribed or permitted by the COGCC rules.

Exception to Rule 317:

Operator seeks exception to the part of COGCC Rule 317 that states that cement placed behind production casing must achieve at least 300 psi compressive strength after 24 hours and at least 800 psi compressive strength after 72 hours, when tested at 95 degF and 800 psi.

The cement slurry design stated in the 8 point drilling plan for all slurries is capable of achieving the 300 psi / 24 hours and 800 psi / 72 hours requirements under bottomhole temperature conditions. High-temperature-capable retarders used in the slurry design prevent the cement from achieving compressive strength in 72 hours at the lower 95 degF test temperature required by the Rule. They however easily pass this rule when temperature is taken into effect.

Mineral Lease Description - COC 61713

RIO BLANCO COUNTY, CO
2,527.50 gross/net acres

Township 1S, Range 97W of 6th PM

SEC: 03, LOT 7 & 8
SEC: 03, S1/2
SEC: 03, S1/2 N1/2

SEC: 04, LOTS 5 TO 8
SEC: 04, S1/2
SEC: 04, S1/2 N1/2

SEC: 05, LOTS 5 TO 8
SEC: 05, S1/2
SEC: 05, S1/2 N1/2
SEC: 10, NE1/4

EXXON MOBIL CORPORATION

WELL VIEW PHOTOGRAPHS

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



EAST VIEW



WEST VIEW

DATE PHOTOGRAPHED: December 8, 2005

Revised: 1/27/2006



**Johnson, Kunkel
& Associates, Inc.**

LAND SURVEYING MAPPING
STRUCTURAL & CIVIL ENGINEERING



P.O. BOX 409, 1286 CHAMBERS AVE., #200, EAGLE, CO 81631
PHONE: (970) 328-6366, FAX: (970) 328-1035
WWW.JKANDA.COM

DRAWN BY:	SLM	1
CHECKED BY:		SHEET
JOB NO.:	EA05410	2
DATE:	12/12/05	OF
DRAWING NO.:	EA05410well	

EXXON MOBIL CORPORATION

WELL VIEW PHOTOGRAPHS

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



NORTH VIEW



SOUTH VIEW

DATE PHOTOGRAPHED: December 8, 2005

Revised: 1/27/2006



**Johnson, Kunkel
& Associates, Inc.**

LAND SURVEYING MAPPING
STRUCTURAL & CIVIL ENGINEERING



TerrainVision®
Creative Mapping Services

P.O. BOX 409, 1286 CHAMBERS AVE., #200, EAGLE, CO 81631
PHONE: (970) 328-6368, FAX: (970) 328-1035
WWW.JKANDA.COM

DRAWN BY:	SLM	2
CHECKED BY:		SHEET
JOB NO.:	EA05410	
DATE:	12/12/05	2
DRAWING NO.:	EA05410well	OF

EXXON MOBIL CORPORATION

WELL LOCATION PLAT

Wild Horse 197-3A1, Located in the SE 1/4 of Section 3, Township 1 South, Range 97 West of the 6th P.M., Rio Blanco County, Colorado

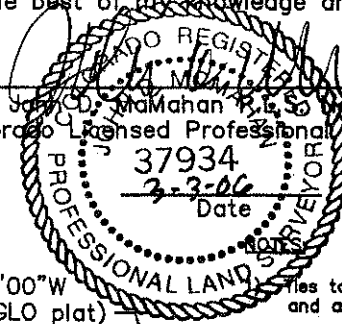
BASIS OF BEARING: The bearings shown hereon are based upon a bearing of S89°50'56"W between the E 1/4 Corner of Section 3 and the W 1/4 Corner of Section 3 as shown hereon.

BASIS OF ELEVATION: The elevations shown hereon are based on a NAVD 88 elevation of 5720' as reported for NGS Control Point "C64 MP55.25" located in Section 35, Township 2 North, Range 97 West of the 6th P.M., Rio Blanco County, Colorado.

CERTIFICATION

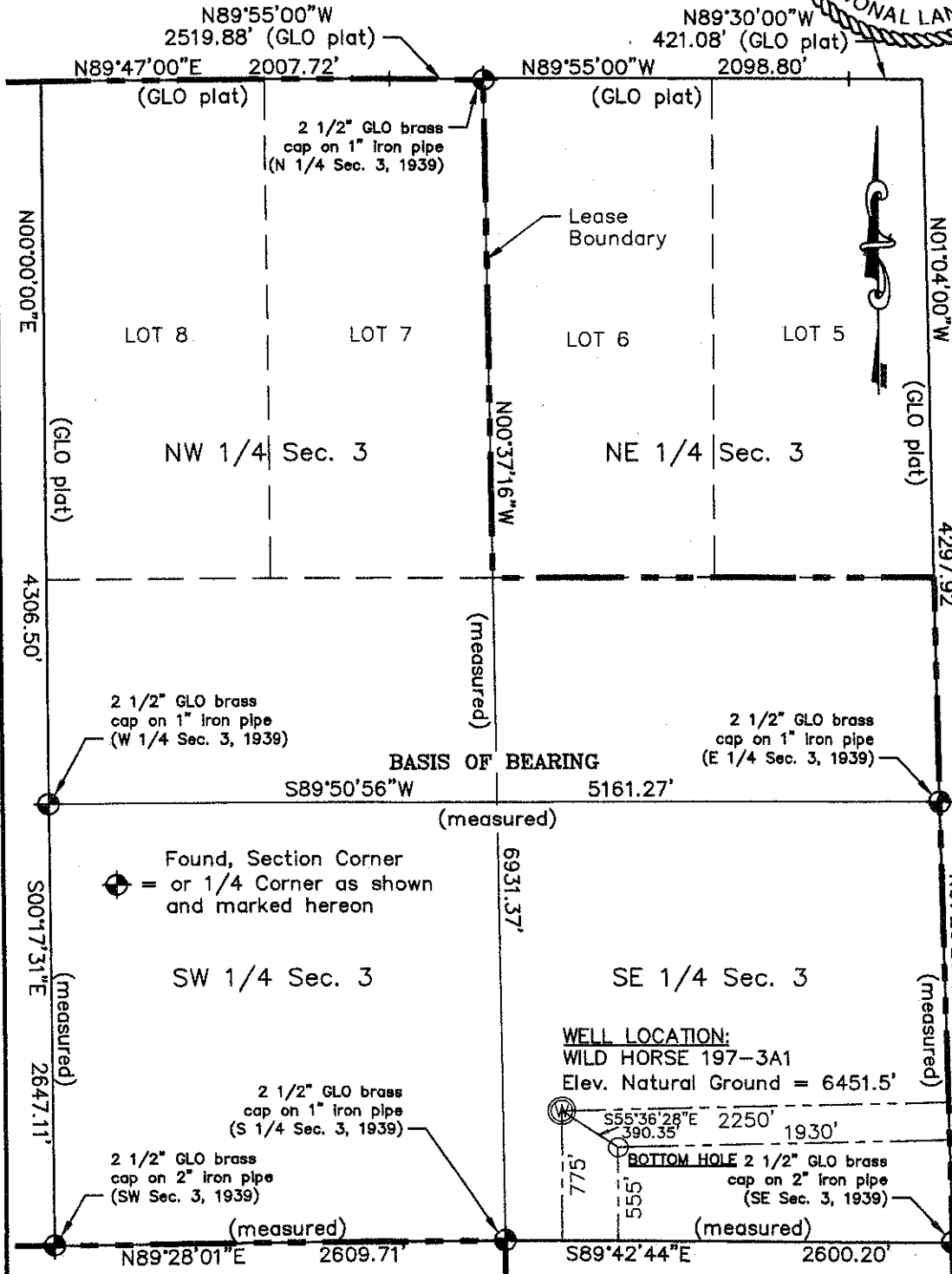
I, John D. McMahan, a Colorado Licensed Professional Land Surveyor, do hereby certify that the plat, as shown hereon, is based on a field survey performed by me or under my direct supervision and is accurate to the best of my knowledge and belief.

John D. McMahan, P.L.S. No. 37934
Colorado Licensed Professional Land Surveyor



Distances to Section Lines are measured in feet and are perpendicular to Section Lines.

- 2) Survey Date: December 5-8, 2005
- 3) Field Surveyor: E. Watts
- 4) G.P.S. Operation: PDOP = 1.9
- 5) There are no existing minor improvements within 200' of the proposed well head.
- 6) No buildings, public roads, above ground utilities or railroads are existing within 200' of the proposed well head.
- 7) Surface Use: The area around the well site is primarily covered in cedar trees and sage brush and is used for grazing.



CO-NORTH NAD 83 (WELL LOCATION)

Latitude = 39°59'18.67" (39.988519 N)
Longitude = 108°16'01.10" (108.266972 W)
STATE PLANE COORDINATES
Northing = 1,250,759.78
Easting = 2,224,818.05

CO-NORTH NAD 27 (WELL LOCATION)

Latitude = 39°59'18.77" (39.988547 N)
Longitude = 108°15'58.79" (108.266330 W)
STATE PLANE COORDINATES
Northing = 250,760.49
Easting = 1,224,977.89

CO-NORTH NAD 83 (BOTTOM HOLE)

Latitude = 39°59'16.59" (39.987942 N)
Longitude = 108°15'56.88" (108.265800 W)
STATE PLANE COORDINATES
Northing = 1,250,539
Easting = 2,225,140

CO-NORTH NAD 27 (BOTTOM HOLE)

Latitude = 39°59'16.69" (39.987969 N)
Longitude = 108°15'54.56" (108.265156 W)
STATE PLANE COORDINATES
Northing = 250,540
Easting = 1,225,300

FROM SURFACE LOCATION TO NEAREST:

Town: 18.6 miles to Meeker
Town: 24.0 miles to Rio Blanco
Lease Boundary: 2,250' to East
Lease Boundary: 3,180' to North
Lease Boundary: 840' to nearest

FROM BOTTOM HOLE TO NEAREST:

Lease Boundary: 855' to nearest

GRAPHIC SCALE



1 inch = 1000 feet

NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM

Johnson, Kunkel & Associates, Inc.
LAND SURVEYING MAPPING
STRUCTURAL & CIVIL ENGINEERING

TerrainVision
Creative Mapping Services
P.O. BOX 408, 1286 CHAMBERS AVE., #200, EAGLE, CO 81631
PHONE: (970) 328-6388, FAX: (970) 328-1035
WWW.JKANDA.COM

SCALE
1 in. = 1000 ft.

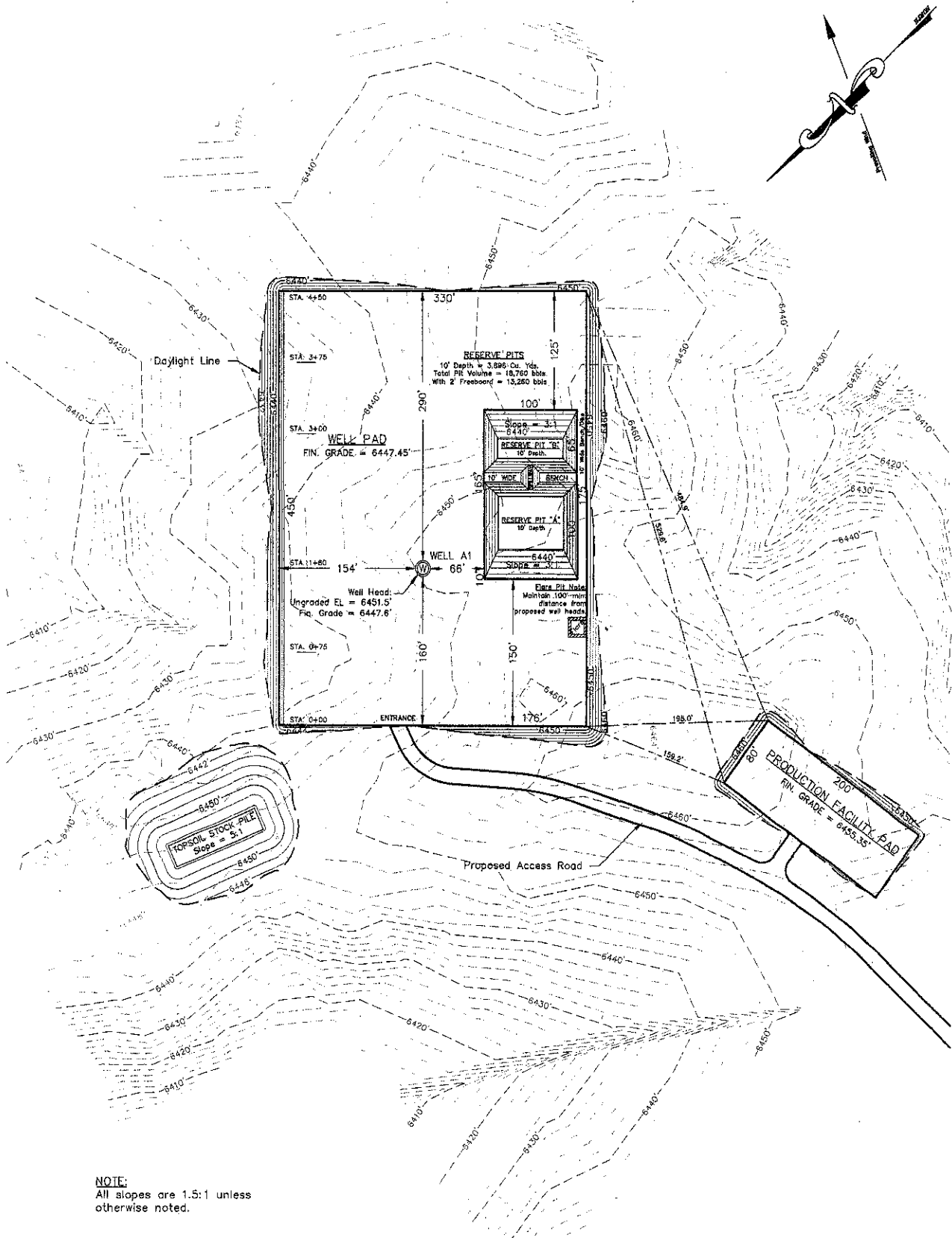
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CHECKED BY:
JOB NO.: EA05410
DATE: 12/12/05
DRAWING NO.: EA05410/well

1 SHEET
5 OF

EXXON MOBIL CORPORATION

WELL LOCATION LAYOUT

Wild Horse 197-3A, Located in the SE 1/4 of Section 3, Township 1 South, Range 97 West of the 6th P.M., Rio Blanco County, Colorado

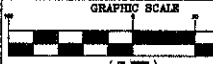


Wild Horse 197-3A

Well Location Layout

REV#	DATE	BY	DESCRIPTION
2		SLM	
5	12/12/05		

DATE	1/27/06	Revisions per ExxonMobil
BY	SLM	



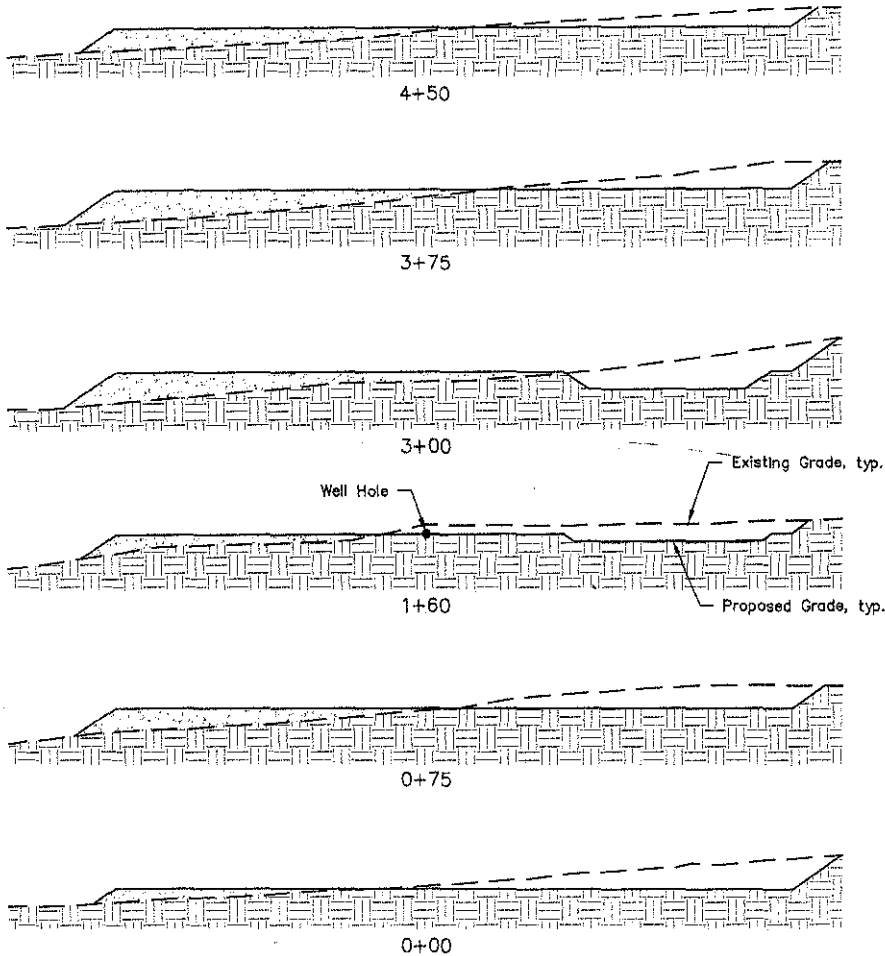
Johnson, Kunkel & Associates, Inc.
LAND SURVEYING MAPPING

TerrainVision
relative Mapping Services
P.O. BOX 426, 1250 CHAMBERS AVE., 8050, ENGLE, CO 81631
PHONE: (727) 326-3366 FAX: (727) 326-1152

EXXON MOBIL CORPORATION

CROSS SECTIONS

Wild Horse 197-3A, Located in the SE 1/4 of
Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



ESTIMATED EARTHWORK QUANTITIES (Cu. Yds.)

ITEM	ELEV.	AREA (AC)	TOPSOIL (CY)	CUT (CY)	ADJ CUT (CY) 10% Fluff	FILL (CY)	EXCESS (CY)
WELL PAD	6447.45'	3.84	3,100	17,959	19,754	19,626	128
PROD. PAD	6455.35'	0.45	364	1,299	1,414	1,414	14
TOTAL:		4.29	3,463	21,040	21,183	21,040	142
PITS (Incl. Above)				3,898			

Wild Horse 197-3A

Cross Sections

SHEET 3

GRAPHIC SCALE

Johnson, Kunkel
& Associates, Inc.

TerrainVision
Geomatic Mapping Services

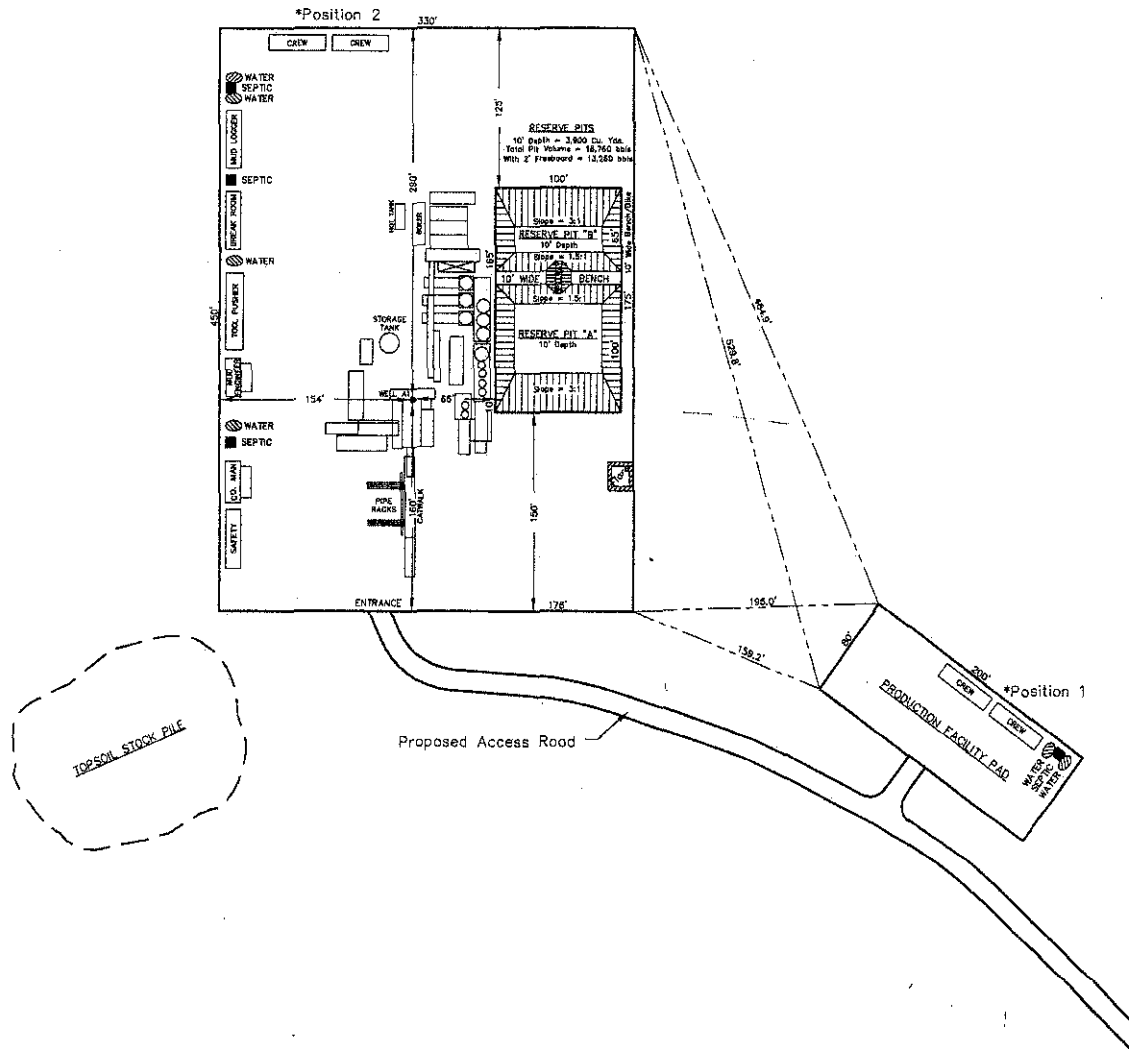
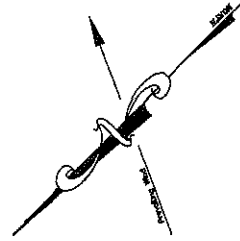
EXXON MOBIL CORPORATION

TYPICAL RIG LAYOUT

WELL PAD (WILD HORSE 197-3A)

Wild Horse 197-3A1

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



*Crew trailers will be located in Position 1 or Position 2.

EXXON MOBIL CORPORATION

WRITTEN DIRECTIONS

Wild Horse 197-3A,
Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado

Beginning in the Town of Rifle, Colorado; thence in a northerly direction along Colorado State Highway No. 13 approximately 19 miles to the junction with Rio Blanco County Road No. 5 at Rio Blanco; thence in a westerly direction along said County Road No. 5 approximately 26.5 miles to the junction with Rio Blanco County Road No. 24; thence in a westerly direction along said County Road No. 24 approximately 1.7 miles to the junction with Rio Blanco County Road No. 31; thence in a northerly direction along said County Road No. 31 approximately 2.2 miles to the junction with Rio Blanco County Road No. 83; thence in a northerly direction along said County Road No. 83 approximately 5.7 miles to the junction with a primitive "jeep road"; thence in an easterly direction along said "jeep road" approximately 1.2 miles to the beginning of the proposed access road to the Wild Horse 197-3A well site.

NO.	DATE	DESCRIPTION	BY
1	1/27/08	Revisions per ExxonMobil	SLM

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STRUCTURAL & CIVIL ENGINEERING



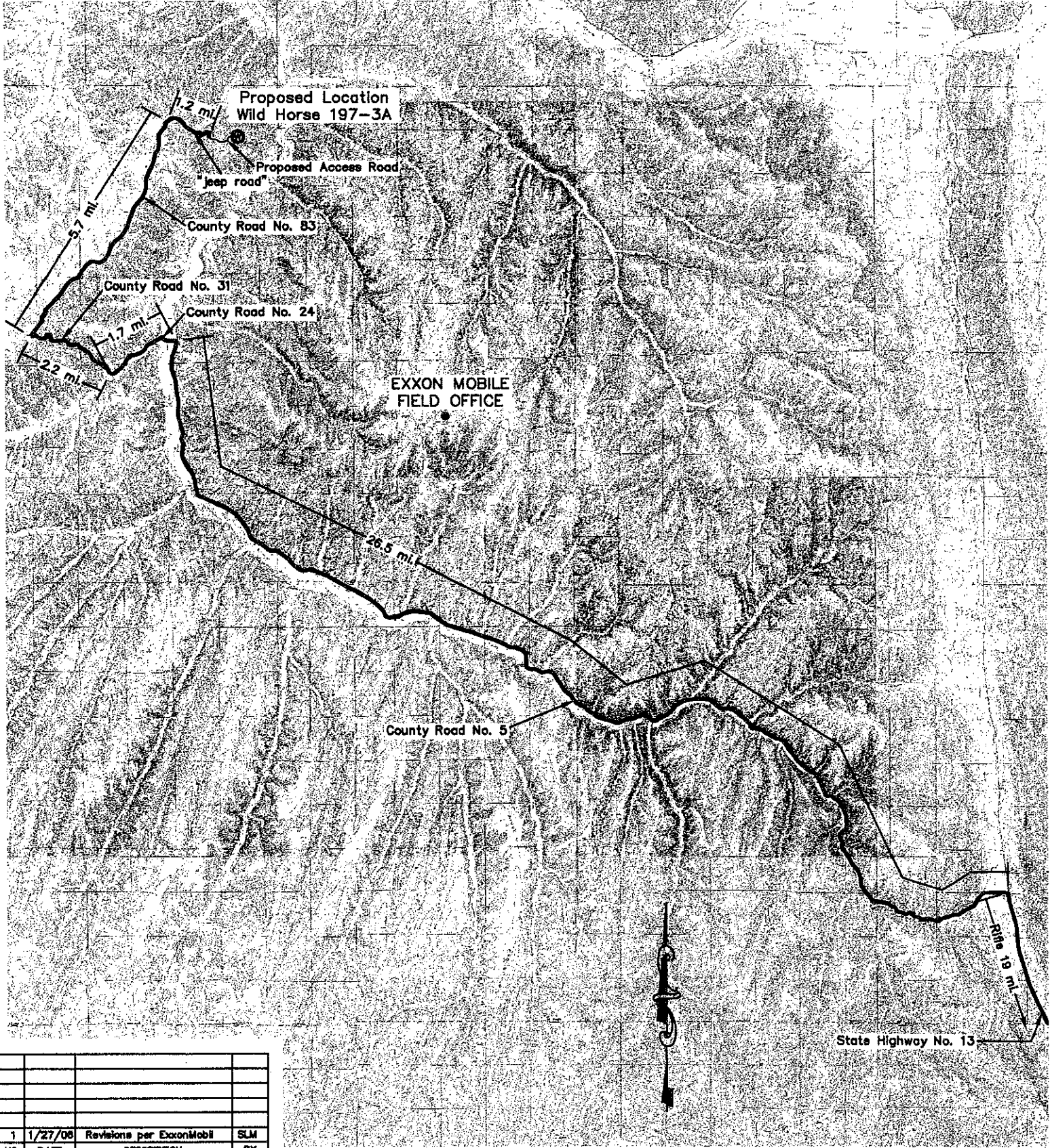
P.O. BOX 409, 1288 CHAMBERS AVE., #200, EAGLE, CO 81631
PHONE: (970) 328-6368, FAX: (970) 328-1035
WWW.JKANDA.COM

DRAWN BY:	SLM	5
CHECKED BY:		SHEET
JOB NO.:	EA05410	5
DATE:	12/12/05	OF
DRAWING NO.:	EA05410well	

EXXON MOBIL CORPORATION

GRAPHIC DIRECTIONS

Wild Horse 197-3A,
Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



NO.	DATE	DESCRIPTION	BY
1	1/27/08	Revisions per ExxonMobil	SLM



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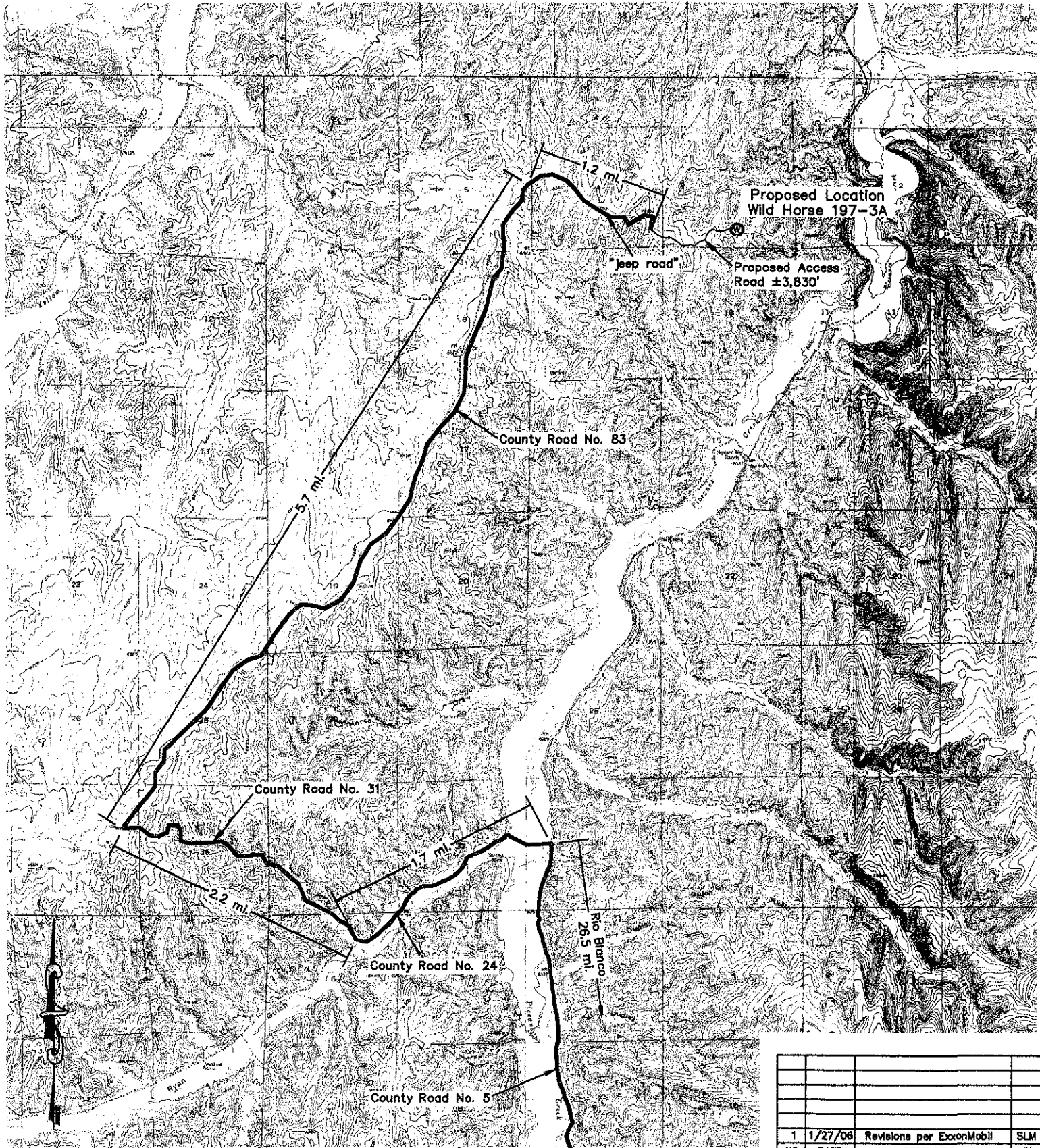
P.O. BOX 409, 1288 CHAMBERS AVE., #200, EAGLE, CO 81631
PHONE: (970) 328-6366, FAX: (970) 328-1035
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SCALE	DRAWN BY: SLM	5A
1 in. =	CHECKED BY:	SHEET
3 mi.	JOB NO.: EA05410	5
	DATE: 12/12/05	OF
	DRAWING NO.: EA05410well	

EXXON MOBIL CORPORATION

GRAPHIC DIRECTIONS

Wild Horse 197-3A,
Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM



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SCALE: 1 in. = 1 mi	DRAWN BY: SLM	5B
	CHECKED BY:	SHEET
	JOB NO.: EA05410	5
	DATE: 12/12/05	OF
	DRAWING NO.: EA05410well	

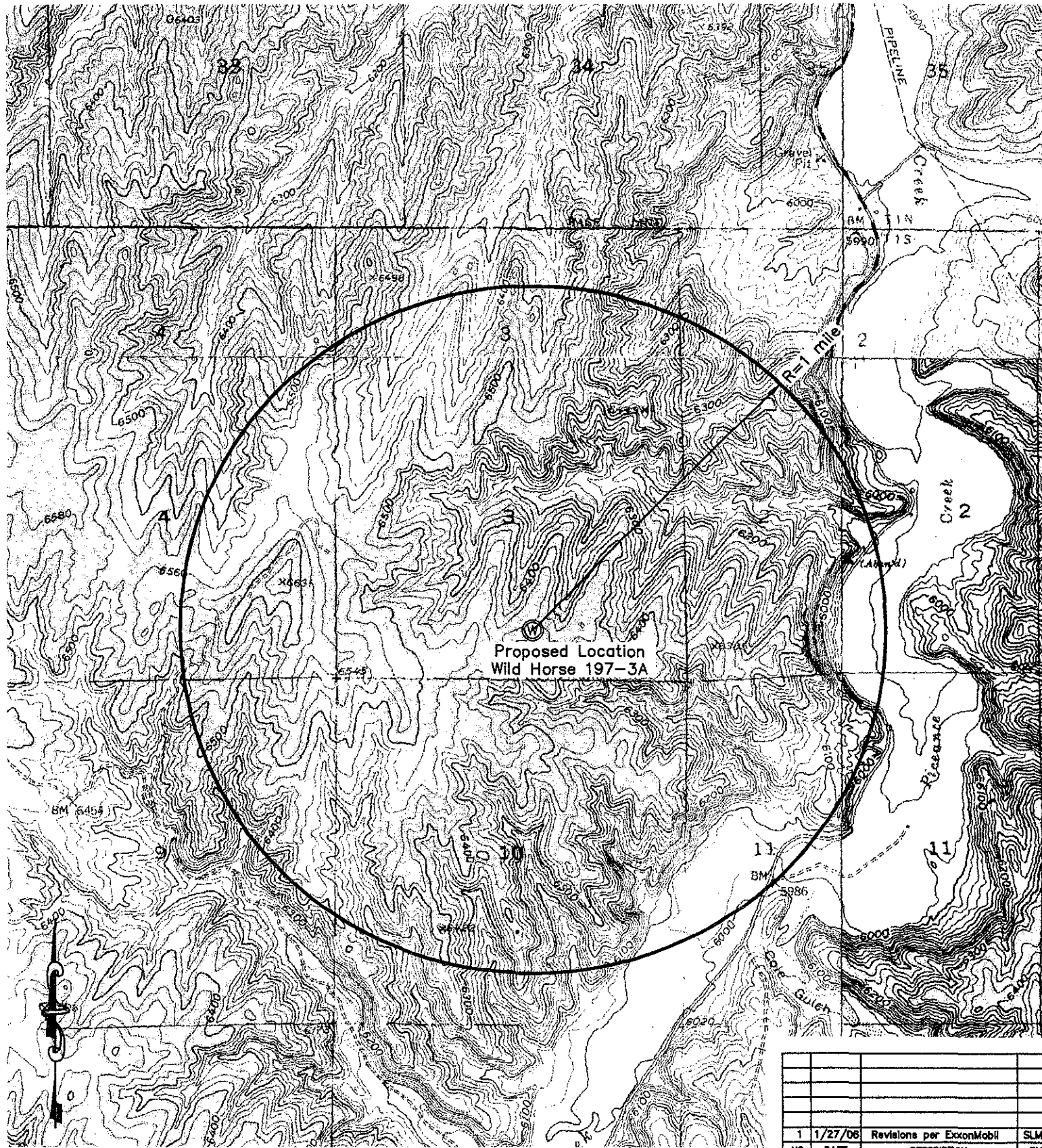
EXXON MOBIL CORPORATION

1 MILE RADIUS WELL MAP

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado

There are no other known wells
within the 1 mile perimeter of
Wild Horse 197-3A.



NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM



**Johnson, Kunkel
& Associates, Inc.**

LAND SURVEYING MAPPING
STRUCTURAL & CIVIL ENGINEERING



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PHONE: (970) 328-6368, FAX: (970) 328-1035
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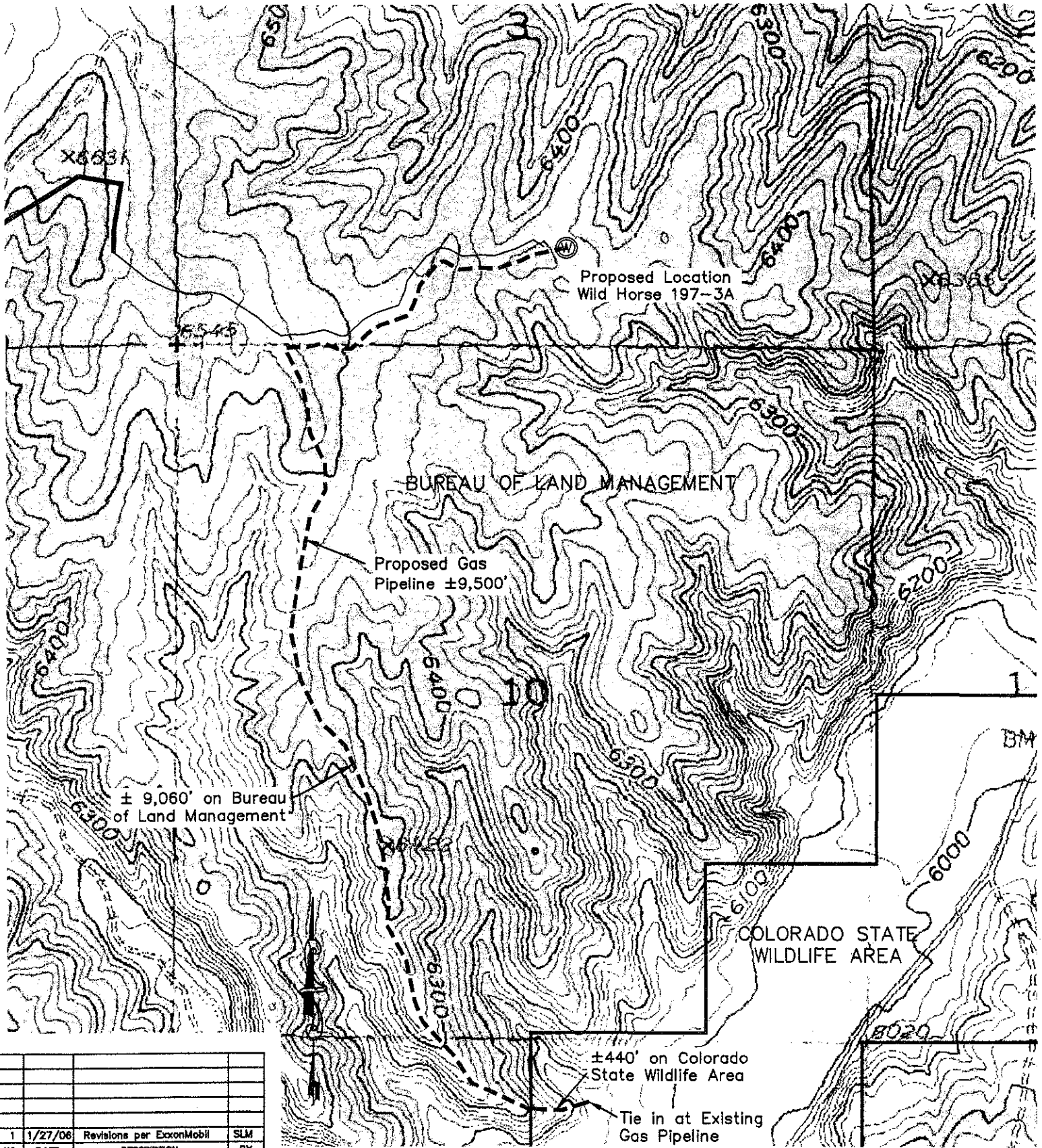
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	CHECKED BY:		SHEET
	JOB NO.:	EA05410	5
	DATE:	12/12/05	OF
	DRAWING NO.:	EA05410well	

EXXON MOBIL CORPORATION

PROPOSED PIPE ROUTE

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM



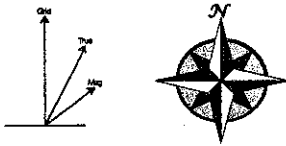
Johnson, Kunkel & Associates, Inc.
LAND SURVEYING MAPPING
STRUCTURAL & CIVIL ENGINEERING

TerrainVision
Creative Mapping Services
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PHONE: (970) 328-6368, FAX: (970) 328-1035
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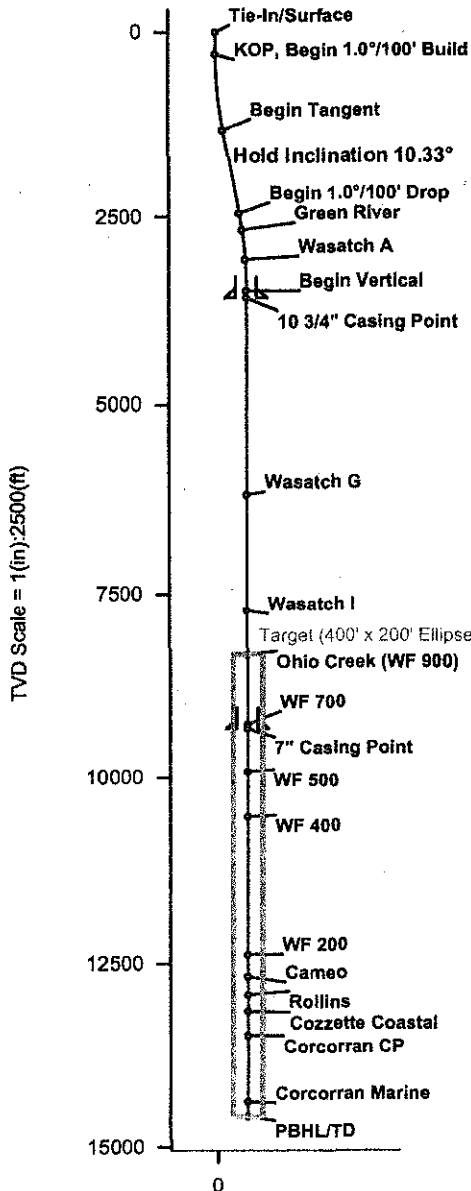
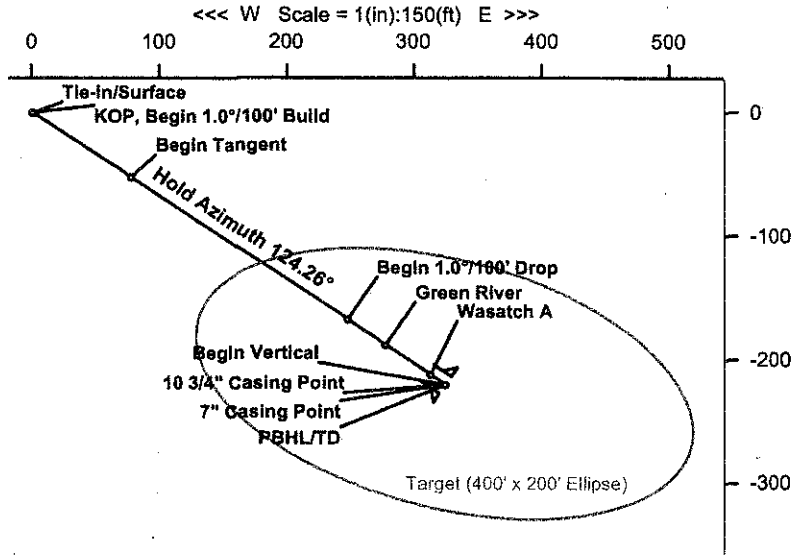
SCALE: 1 in. = 1000 ft.	DRAWN BY:	SLM	5D
	CHECKED BY:		SHEET
	JOB NO.:	EA05410	
	DATE:	12/12/05	5
	DRAWING NO.:	EA05410well	OF

WELL	Wildhorse 197-3A1	FIELD	CO, Rio Blanco County	STRUCTURE	ExxonMobil 03-1N-97W
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Magnetic Parameters Model: BGGM 2005 Dip: 66.272° Mag Dec: +11.230°	Date: March 14, 2008 FS: 53017.2 nT	Surface Location Lat: N39 59 18.756 Lon: W108 16 58.600	NAD27 Colorado State Plane, Northern Zone, US Feet Northing: 250760.00 RUS Easting: 1224977.00 RUS Grid Conv: -1.78742050° Scale Fact: 0.9999672609	Miscellaneous Slot: Wildhorse 197-3A1 Plan: R0 jsk 14-Mar-08 TVD Ref: RKB (6477.00 ft above MSL) Srvy Date: March 14, 2006
--	--	---	---	--



Grid North
 Tot Corr (M->G +13.0174°)
 Mag Dec (+11.230°)
 Grid Conv (-1.78742050°)



Target Description		Surface Location		Grid Coord		Local Coord		
Target Name	Shape	Major Axis	N(±)S(°)	E(±)W(°)	TVD	YSec	N(±)S(°)	E(±)W(°)
Wildhorse 197-3A1 Target	Ellipse	400.00	250540.00	1225300.00	8327.00	390.82	-220.01	323.01

Critical Point		Critical Points							
MD	INCL	AZIM	TVD	YSEC	N(±)S(°)	E(±)W(°)	DLG		
Tie-In/Surface	0.00	0.00	124.26	0.00	0.00	0.00	0.00		
KOP, Begin 1.0°/100' Build	300.00	0.00	124.26	300.00	0.00	0.00	0.00	0.00	
Begin Tangent	1332.97	10.33	124.26	1327.38	92.86	-52.28	76.75	1.00	
Begin 1.0°/100' Drop Green River	2476.74	10.33	124.26	2452.62	297.96	-167.73	246.26	0.00	
Green River	2704.06	8.06	124.26	2677.00	334.27	-188.17	276.27	1.00	
Wasatch A	3106.38	4.03	124.26	3077.00	376.63	-212.02	311.28	1.00	
Begin Vertical	3509.71	0.00	124.26	3480.00	390.82	-220.01	323.01	1.00	
10 3/4" Casing Point	3609.71	0.00	124.26	3580.00	390.82	-220.01	323.01	0.00	
Wasatch G	6206.71	0.00	124.26	6177.00	390.82	-220.01	323.01	0.00	
Wasatch I	7756.71	0.00	124.26	7727.00	390.82	-220.01	323.01	0.00	
Ohio Creek (WF 900)	8356.71	0.00	124.26	8327.00	390.82	-220.01	323.01	0.00	
WF 700	9306.71	0.00	124.26	9277.00	390.82	-220.01	323.01	0.00	
7" Casing Point	9359.71	0.00	124.26	9330.00	390.82	-220.01	323.01	0.00	
WF 500	9946.71	0.00	124.26	9917.00	390.82	-220.01	323.01	0.00	
WF 400	10556.71	0.00	124.26	10527.00	390.82	-220.01	323.01	0.00	
WF 200	12406.71	0.00	124.26	12377.00	390.82	-220.01	323.01	0.00	
Cameo	12706.71	0.00	124.26	12677.00	390.82	-220.01	323.01	0.00	
Rollins	12956.71	0.00	124.26	12927.00	390.82	-220.01	323.01	0.00	
Cozzette Coastal	13176.71	0.00	124.26	13147.00	390.82	-220.01	323.01	0.00	
Corcorran CP	13506.71	0.00	124.26	13477.00	390.82	-220.01	323.01	0.00	
Corcorran Marine	14406.71	0.00	124.26	14377.00	390.82	-220.01	323.01	0.00	
PBHL/TD	14606.71	0.00	124.26	14577.00	390.82	-220.01	323.01	0.00	

Vertical Section (ft) Azim = 124.26°, Scale = 1(in):2500(ft) Origin = 0 N/-S, 0 E/-W

Quality Control
 Date Drawn: Tue 02:47 PM March 14, 2006
 Drawn by: John O'Keefe
 Checked by: Dana Crossland
 Client OK:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		8. Lease Name and Well No. Wild Horse 197-3A1	
2. Name of Operator Exxon Mobil Corporation		9. API Well No.	
3a. Address P. O. Box 4358, CORP-MI-P040 Houston, Tx. 77210-4358		3b. Phone No. (include area code) (281) 654-1925	
10. Field and Pool, or Exploratory Piceance Creek		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 3, T1S, R97W, 6th P.M.	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 775' FSL & 2250' FEL, SWSE At proposed prod. zone 555' FSL & 1930' FEL, SWSE		12. County or Parish Rio Blanco	
13. State Co.		14. Distance in miles and direction from nearest town or post office* 18.6 miles WSW from Meeker	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 840'		16. No. of acres in lease 2527.50	
17. Spacing Unit dedicated to this well 20		18. Distance from proposed location* to nearest well, drilling, completed, First well on lease. applied for, on this lease, ft. First well on lease.	
19. Proposed Depth 14500 (Mesaverde, Wasatch)		20. BLM/BIA Bond No. on file ESB 000036	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6451.5' GL		22. Approximate date work will start* 07/26/2006	
23. Estimated duration 60 days		24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature MARK CORNETT	Name (Printed/Typed) Mark Cornett	Date 04/04/2006
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

EXXON MOBIL CORPORATION

Wild Horse 197-3A1 Well
Section 3, T1S, R97W
Rio Blanco Co., Colorado
BLM Eight Point Plan

1. The Estimated Tops of Important Geologic Markers.

<u>Formation</u>	<u>TVD</u>
Green River	2665'
Wasatch A	3065'
Wasatch G	6165'
Wasatch I	5215'
Ohio Creek (WF 900)	8315'
WF 700	9265'
WF 500	9905'
WF 400	10515'
WF 200	12365'
Cameo	12665'
Rollins	12915'
Cozzette	13135'
Corcoran Coastal	13465'
Corcoran Marine	14365'
TD	14580'

Tops are RKB with an estimated KB elevation of 6465'.

2. The estimated depths at which the top and the bottom of anticipated water, oil, gas or other mineral bearing formations are expected to be encountered.

	<u>Top (TVD)</u>	<u>Bottom (TVD)</u>	<u>How Protected</u>
Fresh Water	Surface	1,200'	Surface casing cemented to surface.
Producible Gas	8315'	TD	Intermediate casing cemented 500' above surface casing shoe

3. Minimum specifications for pressure control equipment.

A. Wellhead and Tree Equipment:

"A" Section	- 10-3/4" SOW x 11" 5k psi, sweet
"B" Section	- 11" 5k psi x 11" 5k psi, sweet
Tubinghead	- 11" 5k psi x 7-1/16" 10k psi, sweet
Tubinghead adapter	- 7-1/16" 10k psi x 2-1/16" 5k psi, sweet
Tree	- 2-1/16" 5k psi, sweet

B. Blowout preventer equipment:

<u>Type</u>	<u>Pressure Rating</u>	<u>Installed on Casing</u>
Type - RSRRAG	5,000 psi	10-3/4"
Type - RSRRAG	5,000 psi	7"

Additional preventers may be added and/or preventers with higher pressure ratings may be substituted depending on equipment provided by drilling contractor. Diagrams of the BOP stack and choke manifold are attached.

C. Testing:

- (1) Operational Testing - an operational test consisting of closing the pipe rams on the drill pipe and closing the blind rams on open hole will be performed on each round trip but not more than once each day.
- (2) Pressure Testing - An initial pressure test of 200 psi and 5,000 psi will be performed on the ram BOPs after nipping up on the surface casing string but prior to drilling out. The annular BOP will be tested to 200 psi and 5,000 psi upon installation. This initial test only may be performed on the "stump" and the BOP-wellhead flange will be tested when the stack is installed.

Subsequent pressure tests of the BOP equipment will be conducted as follows:

- (a) Upon any component change of the BOP stack and/or choke manifold.
- (b) At least every thirty (30) days.

Subsequent pressure tests will be at 200 psi and 5,000 psi for the ram BOPs, and the annular preventer will be tested to 200 psi and 3,500 psi. If a test plug is used, the rams will be tested to working pressure.

- (3) BOP drills - a drilling crew proficiency test to perform the well shut-in procedure will be performed at least once each week with each crew.

D. BOP control unit:

Unit will be hydraulically operated and have one control station on the rig floor readily accessible to the driller and one located at ground level a safe distance from the wellbore.

E. Remote controlled choke:

Unit will be installed prior to drilling intermediate hole.

4. Auxiliary equipment and proposed casing program.

A. Auxiliary equipment:

Kelly cocks - upper and lower installed on kelly.

Safety valve - full opening ball type valve to fit each type and size of drill pipe in use will be available on the rig floor in the open position at all times for use when the kelly is not connected to the drill string.

B. Casing:

<u>String</u>	<u>Hole Size</u>	<u>Size/Weight/Grade</u>	<u>Depth Interval - TVD</u>
Conductor	20"	16" Line Pipe	0 - 130'
Surface	14-3/4"	10-3/4" 45.5# K-55	0 - 3580'
Intermediate	9-7/8"	7" 26# P-110	0 - 9330'
Production	6-1/8"	4-1/2" 15.1# P-110	0 - 14580'

Substitutions of weight or grade may be required due to availability. All pipe is in new condition.

C. Cement:

<u>Hole Size</u>	<u>Casing</u>	<u>TOC</u>	<u>Cement Type</u>	<u>*Approximate Cement Volume</u>
20"	16"	Surface	Lead: Class G	105 ft ³
14-3/4"	10-3/4"	Surface ~ 3000'	Lead: Class G/Light Tail: Class G	1670 ft ³ 325 ft ³
9-7/8"	7"	~ 3000' ~ 8800'	Lead: Class G/Light Tail: Class G	1540 ft ³ 150 ft ³
6-1/8"	4-1/2"	~7400'	Lead: Class G/Light	680 ft ³

Cement formulation and properties:

<u>Slurry</u>	<u>Typical Additives</u>	<u>Density</u>	<u>Yield</u>	<u>Sacks</u>
10-3/4" Lead	Lightweight, Fluid loss, Free water control	12.5 ppg	2.06 ft ³ /sk	570
10-3/4" Tail	Fluid Loss, Free water control	15.8 ppg	1.15 ft ³ /sk	485
7" Lead	Lightweight, Fluid loss, Free water control	12.5 ppg	2.06 ft ³ /sk	515
7" Tail	Fluid loss, Free water control	15.8 ppg	1.15 ft ³ /sk	231
4-1/2" Lead	Fluid loss, Free water control, Retarder	12.0 ppg	2.56 ft ³ /sk	236

*Cement volumes are based on gauge hole and will be revised as necessary (caliper data or mud lag) to ensure coverage of all fresh water and hydrocarbon bearing formations.

D. Casing test procedures:

<u>String</u>	<u>Size</u>	<u>Test Pressure</u>
Surface	10-3/4"	1,500 psi
Intermediate	7"	2,100 psi
Production	4-1/2"	3,250 psi

5. Circulating medium characteristics.

A. Type and anticipated characteristics of circulating medium:

<u>Depth Interval</u>	<u>Mud Type</u>	<u>Weight (ppg)</u>	<u>FV (Sec/Qt)</u>	<u>YP (#/100 SF)</u>	<u>WL (cc/30 min)</u>	<u>pH</u>
0-3500	Spud	8.3-9.5	28-50	4-20	--	7.5-10.5
3500'-9300	WBM*	8.6-10.0	28-80	4-35	<15	8.0-10.5
9300'-14600	WBM*	8.6-10.5	28-80	4-35	<15	8.0-10.5

B. Quantities of mud and weighting materials:

A sufficient inventory of mud materials and treating equipment will be maintained to control mud properties adequately for well control and drilling requirements.

C. Mud system monitoring equipment:

Trip tank - will be used to keep the hole full of fluid on trips and to monitor hole behavior during trips and wireline logging.

Degasser- will be installed prior to drilling the production hole.

Flare Line System- will be installed prior to drilling production hole.

6. Anticipated type and amount of coring, testing and logging:

- A. Coring program: a 60' conventional core will be taken in the lower Williams Fork formation
- B. Sidewall Cores: Several sidewall core samples will be taken throughout the intermediate and production intervals
- C. Drill stem tests: none anticipated

D. Logging program:

- If cement is not circulated to surface on the surface hole cement job, a log acceptable to the WRFO will be run to verify top of cement.
- A log acceptable to the WRFO will be run in the intermediate and production hole casing to verify top of cement.

<u>Logs</u>	<u>From</u>	<u>To</u>
DIL, D/N, GR, SP	0	3565'
DIL, D/N, GR, SP	3565'	14,565'
Dipole Sonic	3565'	14,565'

7. Bottom Hole Pressure and Other Potential Hazards.

- A. The bottom hole pressure is estimated to be 7280 psi at 14,580' (TVD). This corresponds to an equivalent mud weight of 9.6 ppg.
- B. Maximum anticipated surface pressure while drilling the 9-7/8" intermediate hole is 1640 psi. This is based on a 12.5 ppg fracture gradient at 3580' TVD with a 0.5 ppg safety factor and a pressure gradient of 0.22 psi/ft to surface.
- C. Maximum anticipated surface pressure while drilling the 6-1/8" production hole is 3770 psi. This is based on a 11.5 ppg fracture gradient at 9315' TVD with a 0.5 ppg safety factor and a pressure gradient of 0.22 psi/ft to surface.
- D. The greatest hazard that is foreseen for this drillwell is lost circulation. Offset wells in the area have had lost returns and have taken gas influxes.

8. Other Facets of the Proposed Operation.

- A) Conductor installation: the conductor casing may be pre-installed by a smaller air/mist drilling rig. This rig would also drill the surface hole to a depth of +/-500' and leave the hole full of fresh water or drilling spud mud.
- B) Surface casing installation: the surface casing may be installed and cemented by a smaller air/mist drilling rig.
- C) Mud makeup water: produced water from Piceance Creek Unit wells or Love Ranch wells will be one of the sources of water for the mud system in the production hole section, if a WBM system is used.
- D) Completion operations: perforate and frac several intervals throughout the Mesa Verde formation based on wireline logs and shows.

Contact Fred Beartrack at (281) 654-4479 with any questions concerning this eight-point plan.

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

SH: 775 FSL, 2250 FEL SWSE
BH: 555 FSL, 1930 FEL SWSE
Section 3, T 1S - R 97W, 6TH P.M.
RIO BLANCO COUNTY, COLORADO

NOTE: This one-well pad could possibly in the future be expanded to a nine-well pad. If the drilling pad is expanded for additional wells, the dimentions of the pad would increase from the current 450' x 330'(shown on the diagrams for this application) to approximately 450' x 530'. Surveys have been conducted for the potential larger pad size.

1. **EXISTING ROADS:** Shown on area map sheets 5A & 5B which are reproductions of a portion of a USGS map.
 - A. Sheets 5A & 5B show the proposed well as staked.
 - B. Beginning in the Town of Rifle, Colorado; thence in a northerly direction along Colorado State Highway No. 13 approximately 19 miles to the junction with Rio Blanco County Road No. 5 at Rio Blanco; thence in a westerly direction along said County Road No. 5 approximately 26.5 miles to the junction with Rio Blanco County Road No. 24; thence in a westerly direction along said County Road No. 24 approximately 1.7 miles to the junction with Rio Blanco County Road No. 31; thence in a northerly direction along said County Road No. 31 approximately 2.2 miles to the junction with Rio Blanco County Road No. 83; thence in a northerly direction along said County Road No. 83 approximately 5.7 miles to the junction with a primitive "jeep road"; thence in an easterly direction along said "jeep road" approximately 1.2 miles to the beginning of the proposed access road to the Wild Horse 197-3A well site.
 - C. All existing roads within one mile of the drill site are shown on Sheets 5A & 5B. All roads that are not county maintained will be maintained as required by usage.
 - D. This is an exploration well.
2. **PLANNED ACCESS ROAD:** Approximately 3830' of new access road will be constructed and 1.2 miles of existing two track trail will be upgraded.
 - A. The road will feature a cleared width of approximately 40' with an 18' wide running surface. Road will be crowned, ditched, properly drained and surfaced in accordance with BLM Standards prior to drilling operations to ensure safe, environmentally sound, year-round access. The turnoff from the public road will have adequate visibility.
 - B. The maximum grade for the access road will not exceed 6 %.
 - C. No turnouts will be required for this access road.
 - D. CMP's will be placed as needed.
 - E. Surfacing material will be hauled over existing roads from a source not yet identified.
 - F. No cattle guards will be required for this location.
 - G. The proposed access road will be flagged prior to construction.
3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS.**
 - A. Water Wells: none known

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

- B. Abandoned wells: none
 - C. Temporarily abandoned wells: none
 - D. Disposal Wells: none
 - E. Drilling Wells: none
 - F. Producing Wells: none
 - G. Shut-in Wells: none
 - H. Injection Well: none
 - I. Monitoring or observation wells: none
4. **LOCATIONS OF EXISTING AND/OR PROPOSED FACILITIES:** There are no existing facilities in the immediate area. Facilities will be planned as per the attached Exhibit "C".
5. **LOCATION AND TYPE OF WATER SUPPLY:** Water will be piped from an unidentified source through lines laid on top of the ground or trucked over the proposed access road. Remaining clear water will be pumped or hauled forward from previous wells after surface casing is set.
6. **SOURCE OF CONSTRUCTION MATERIALS:**
- A. Location sub-grade will be constructed by normal cut and fill methods.
 - B. Surfacing material will be trucked to the location from an outside source and placed as needed.
7. **WASTE DISPOSAL:** Waste materials will be contained and disposed of as follows:
- A. Drill cuttings will be disposed of in the reserve or dry cuttings pit and buried with at least 4' of cover. E & P waste will be handled as defined, prescribed or permitted by the COGCC Rules.

In the event that ExxonMobil Corporation has used diesel in the drilling mud system and the drill cuttings/fluids contain greater than 1% diesel net weight, these cuttings will be transported via tanker truck over existing roads a state approved disposal site. Currently disposal sites on our approved list in the area are:

Ace Oilfield Disposal, Inc. Vernal, UT
RN Industries Roosevelt, UT

As an alternative, mud and cuttings will be solidified in place in a procedure as or to be approved by the COGCC.

All mud cuttings will meet these requirements before being buried or removed from the location. All cuttings will have all harmful properties of the waste reduced or removed and the mobility of leachate constituents reduced or eliminated.

The BLM will be contacted prior to testing the cuttings of our first well so the BLM may witness the testing procedures.

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

- B. Trash, waste paper, and other garbage will be contained in a fenced trash cage and hauled to a commercial disposal site.
 - C. Salts that are not used in the drilling fluid will be removed from the location by the supplier.
 - D. Sewage from the trailer houses will be disposed of in a manner meeting the Rio Blanco County Regulations, as under the guidance of Colorado Water Quality Control Commission, Department of Public Health and Environment. Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion and as needed the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion and as needed the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility.
 - E. Chemicals that are not used in the drilling and completion of the well will be removed from the location by the supplier.
 - F. Drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for back filling. Water produced during tests will be disposed of in the reserve pit as per Onshore Order 7. Oil produced during tests will be stored in test tanks until sold, at which time it will be hauled from the site. In the event fluids in the pit do not evaporate in a reasonable time, the fluids will be hauled to a state approved disposal site or will be mechanically evaporated.
 - G. The reserve pit will be fenced on three sides with a 4-strand barbed or woven wire fence during drilling and on the fourth side after the rig is released.
8. **ANCILLARY FACILITIES:** No camps, airstrips, etc. will be constructed.
9. **WELL SITE LAYOUT:**
- A. Sheet 2 of 5 (scale 1" = 100') shows proposed well site layout.
 - B. All equipment and vehicles will be confined to the access road and pad area outlined in sheets 2 and 4.
 - C. Mud pits in the active circulation system will be steel pits. The reserve pit may be lined with an impermeable liner if needed to hold fluid.
 - D. If snow is encountered, the snow will be removed before construction begins or the topsoil is disturbed and placed downhill of the proposed topsoil stockpile.
 - E. All available topsoil will be stripped on well locations and access roads, prior to construction, and stockpiled for use in reclamation of the site. Topsoil stockpile will be clearly segregated from any spoil pile and placed where it can be easily retrieved without impact to natural features.
10. **RESTORATION OF SURFACE:**
- A. Upon completion of the operation and disposal of trash and debris as prescribed above, pits will be backfilled and re contoured as soon as practical after they have dried.
 - B. Unneeded disturbed surfaces remaining after completion to the surface production facilities will be shaped to match the surrounding terrain and seeded as specified by the BLM.

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

- C. When the well is abandoned, ExxonMobil will rehabilitate the road and location as per BLM specifications.
- D. Re vegetation of the drill pad will comply with BLM specifications.
- E. Rehabilitation operations will start in a timely manner following the completion of operations, typically the following construction season.

11. SURFACE OWNERSHIP:

- A. Surface ownership is Bureau of Land Management.

12. OTHER INFORMATION:

- A. The access road and location are in Map unit 73 which is Rentsac Channery loam on 5-50% slopes which is a well drained moderately deep soil underlain by calcareous sandstones. Vegetation is mainly pinyon, juniper, Indian Ricegrass, Mountain Mahogany, bitterbrush, sagebrush and Prairie Junegrass.
- B. An archaeological investigation and report will be prepared for the proposed access road and wellsite by Archaeological-Environmental Research Corporation, and submitted to the BLM.
- C. The nearest stream is Piceance Creek which is approximately 1 mile to the SE.
- D. Total surface disturbance is estimated as 4.3 acres for the well pad.
- E. Completed wells on this pad will continue to produce during drilling operations per Exxon Mobil Simultaneous Operations Guidelines.

13. OPERATORS REPRESENTATIVE & CERTIFICATION:

A field representative who can be contacted concerning compliance of this Surface Use Plan is

Before and During Construction

Gary Chastain
28 Kerry Road
Midland, Texas
Phone 915-661-9751

CERTIFICATION: I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by ExxonMobil Oil Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U. S. C. 1001 for the filing of a false statement.

Date

3/29/06

Signature



Allen McCorvey - Projects Group Supervisor

EXHIBIT "C"

SCOPE OF WORK Wild Horse 197-3A1 Wellsite Facilities

Production Facilities

Exxon Mobil Corporation plans to construct facilities required to support production from the Wild Horse 197-3A1. The facilities will be constructed according to ASME B31.3, ASME B31.4, or ASME B31.8, whichever is applicable. One production facility will be constructed for tubing production. Production will come from the Mesa Verde section of the reservoir.

Mesa Verde:

The proposed facilities will consist of a three (3) inch underground flowline from the wellhead to a 3-Phase Separator. A meter-run will be installed on the separator skid. Gas from this sales measurement unit will flow into a four (4) inch buried flowline. The flowline will follow the proposed ROW to a tie-in point on the existing Little Hills gas gathering line in Section 15, Township 1 South, Range 97 West where it will tie into the high pressure gathering systems (See the flowline description below and the attached topographic map). Condensate from the separator will flow through a meter in the separator skid and into a two (2) inch buried line to a 400 bbl. steel condensate tank. Condensate from the tank will be truck hauled as tank gauging indicates. Produced water from the separator will flow through a meter in the separator skid and into a two (2) inch below ground line to two (2) 400 bbl steel water tanks. Produced water will be truck hauled to a permitted disposal well as required. The condensate and produced water tanks will be enclosed within a manufactured containment system designed to hold 110% of the largest tank.

Flowlines

Downstream of the production separator, gas will flow through a 4" line leaving the pad. This four (4) inch flowline will then be tied into an existing tie-in point on the existing Little Hills gas gathering line in Section 15, Township 1 South, Range 97 West. All production liquids will remain on Wildhorse 197-3A1 wellsite until trucked for sales. The steel flowline will be constructed according to ASME piping code B31.8, and will comply fully with the most recent addition of BLM: Surface Operating Standards For Oil and Gas Exploration and Development. See the attached topographic map and routing description for further information.

Trenching

Exxon Mobil Corporation will stake the location of the proposed flowlines and will arrange for flagging or other identification of existing pipelines, cables, or other buried utilities prior to construction. The flowline will have a minimum clearance of 24 inches from any other line and will be laid under if required. Burial depth will be range from 3' to 5' depending on location and frost depth. Trench width will be approximately 48 inches.

Excavated Materials

Top-soil – Top-soil will be rolled to one side of the trench and will be kept within the existing ROW. Top soil will be kept separate from the spoil.

Spoil – The spoil will be placed between the topsoil and the trench. Spoil will be kept separate from the topsoil.

Construction

Work Area – Pipeline construction ROW shall be limited to 50 feet and will take advantage of existing ROW and roads whenever possible.

Staging Areas – The equipment staging area will be located on existing production locations near the construction site.

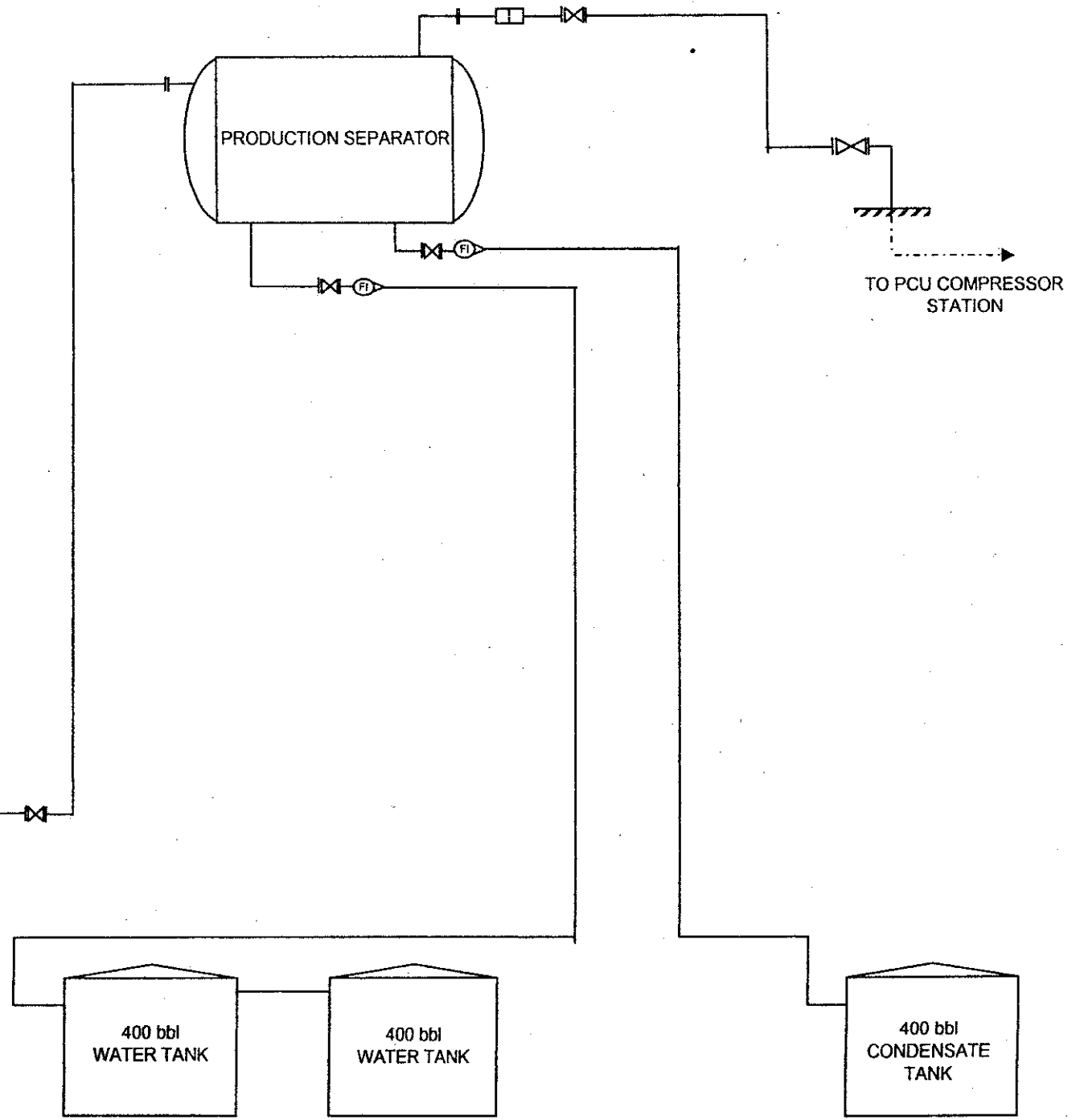
Backfill – Spoil shall be placed in the lower part of the trench to within 1½ feet of the trench top. This will then be compacted with 2 passes from a rubber tired tractor. The remaining spoil will be put into the trench followed by a single wheel compaction. The topsoil will then be placed in the trench and compacted by rolling in a similar manner to the spoil compaction. The backfill and compaction process will be such that upon completion an 8 inch crown above the natural grade will exist.

Reclamation

Waterbreaks - Waterbreaks will be constructed per Figure 10 (Corrected Diagram) found on page 34 of the document BLM: Surface Operating Standards For Oil and Gas Exploration and Development

Revegetation - The revegetation process will occur according to BLM standard reseeding practices.

WILD HORSE
197-3A1



Permitting

SEP 08 2006

SEP 08 2006
11:17 AM
11/10/06

Form 3160-3
(April 2004)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		8. Lease Name and Well No. Wild Horse 197-3A1
2. Name of Operator Exxon Mobil Corporation		9. API Well No.
3a. Address P. O. Box 4358, CORP-MI-P040 Houston, Tx. 77210-4358	3b. Phone No. (include area code) (281) 654-1925	10. Field and Pool, or Exploratory Piceance Creek
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 775' FSL & 2250' FEL, SWSE At proposed prod. zone 555' FSL & 1930' FEL, SWSE		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 3, T1S, R97W, 6th P.M.
14. Distance in miles and direction from nearest town or post office* 18.6 miles WSW from Meeker		12. County or Parish Rio Blanco
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 840'		13. State Co
16. No. of acres in lease 2527.50		17. Spacing Unit dedicated to this well 20
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. First well on lease.		20. BLM/BIA Bond No. on file ESB 000036
19. Proposed Depth 14500 (Mesaverde, Wasatch)		23. Estimated duration 60 days
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6451.5' GL		22. Approximate date work will start* 07/26/2006

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>MARK CORNETT</i>	Name (Printed/Typed) Mark Cornett	Date 04/04/2006
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Title **Regulatory Specialist**

Approved by (Signature) <i>Trante L.N. Parrie</i>	Name (Printed/Typed) Trante L.N. Parrie	Date 9/5/06
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Title **Assoc. Field Manager**
Office **White River Field Office-Meeker, CO**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

"Conditions of Approval Attached"

**"APPROVAL TO FLARE GRANTED
WHILE DRILLING AND TESTING"**

**APPROVED FOR A PERIOD
NOT TO EXCEED 1 YEAR**

Conditions of Approval

3160(CO-11000)

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Operator: ExxonMobil Oil Corporation Well No.: Wild Horse 197-3A1
Location: T1S, R97W, 6thPM, SWSE sec. 3
Lease No.: COC-61713

The Bureau of Land Management, White River Resource Area Office, address and home telephone contacts are:

Address: 73544 Hwy 64, Meeker, Colorado 81641
Office Phone: (970) 878-3800
Office Fax: (970) 878-3805
Natural Resource Specialist: Keith Whitaker, home phone (970) 878-3497, ofc. 878-3822
Fluid Minerals Supervisor: Vern Rholl, home phone (970) 878-3202, ofc.878-3808
Petroleum Engineering Tech: Bill Kraft, home phone (970) 878-4595, cell 942-8043,
sat. 254-460-3063, ofc. 878-3817
Brant Horton, home phone (970) 878-9860, sat. 254-460-3062,
ofc. 878-3813
Petroleum Engineer: Marvin Hendricks, home phone (970) 878-3547,
ofc. 878-3833

All lease and/or unit operations are to be conducted in such a manner to ensure full compliance with the applicable laws, regulations (43 CFR Part 3160), Onshore Orders, Notices to Lessees, and the approved plan of operations. Approval of this application does not relieve you of your responsibility to obtain other required federal, state, or local permits.

This application is valid for a period of one year from the date of approval. Any requests for extensions must be submitted prior to the end of the one year period. If the application terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan within 90 days of termination, unless otherwise approved by the authorized officer. An expired application may be reinstated at the authorized officer's discretion, however, future operations may require a new application to be filed for approval.

You have the right to request a State Director Review (SDR) of the decision to approve this APD with the attached conditions in accordance with 43 CFR 3165.3(b). A request for a SDR must occur prior to filing an appeal with the Interior Board of Land Appeals (IBLA). Your request for a SDR and all supporting documentation must be filed with the State Director (CO-922), 2850 Youngfield St., Lakewood, Colorado 80215, within 20 business days of receipt of this letter.

I. CONDITIONS OF APPROVAL SPECIFIC TO Wild Horse 197-3A1 Well

Conditions of Approval

1. The operator shall contact either the petroleum engineer or petroleum engineering technician 24 hours prior to the following operations:
 - construction of access road and well site
 - spudding (including dry hole digger or rat hole rig)
 - running and cementing of all casing strings
 - pressure testing of BOPE or any casing string
 - commencing completion operations
 - surface reclamation work

2. The operator will be responsible for complying with all local, state, and federal air quality regulations as well as providing documentation to the BLM that they have done so. To minimize production of fugitive particulate matter (fugitive dust) from associated access roads, vehicle speeds must not exceed 15 mph or dust plume must not be visible at appropriate designated speeds for road design. In addition, the application of a BLM approved dust suppressant (e.g. water or chemical stabilization methods) will be required during dry periods when dust plumes are visible at speeds less than or equal to 15 mph. Surfacing access roads with gravels will also help mitigate production of fugitive particulate matter. Land clearing, grading, earth moving or excavation activities will be suspended when wind speeds exceed a sustained velocity of 20 miles per hour. Disturbed areas will be restored to original contours, and revegetated with a BLM preferred seed mixture as listed below. Following seeding, woody debris cleared from the ROW will be pulled back over the pipeline to increase effective ground cover and help retain soil moisture.

3. Construction equipment will be maintained in good operating condition to ensure that engines are running efficiently. Vehicles and construction equipment with emission controls will also be maintained to ensure effective pollutant emission reductions.

4. The operator is responsible for informing all persons who are associated with the project operations that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during any project or construction activities, the operator is to immediately stop activities in the immediate area of the find that might further disturb such materials, and immediately contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
 - whether the materials appear eligible for the National Register of Historic Places
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary)
 - a timeframe for the AO to complete an expedited review under 36 CFR 800-11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

Conditions of Approval

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation cost. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

5. Pursuant to 43 CFR 10.4(g) the holder of this authorization must notify the AO, by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4(c) and (d), you must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the authorized officer.

6. The operator will be required to monitor the project area for a minimum of three years post disturbance and eradicate all noxious and invasive species which occur on site using materials and methods approved in advance by the Authorized Officer.

7. It will be the responsibility of the operator to effectively preclude migratory bird access to, or contact with, reserve pit contents that possess toxic properties (i.e., through ingestion or exposure) or have potential to compromise the water-repellent properties of birds' plumage. Exclusion methods may include netting, the use of "bird-balls", or other alternative methods that effectively eliminate migratory bird contact with pit contents and meet BLM's approval. It will be the responsibility of the operator to notify the BLM of the method that will be used to eliminate migratory bird use two weeks prior to initiation of drilling activities. The BLM-approved method will be applied whenever such pits contain fluids other than fresh water. All lethal and non-lethal events that involve migratory birds will be reported to a White River Field Office Petroleum Engineer Technician immediately.

8. The applicant shall be required to collect and properly dispose of any solid waste generated by the proposed actions.

9. The operator will consult with the US Army Corps of Engineers to obtain approval prior to discharging fill material into waters of the US in accordance with Section 404 of the Clean Water Act. Waters of the US are defined in 33 CFR Section 328.3. Written documentation to the BLM Authorized Officer is required within 45 days of the APD approval date to indicate that the US Army Corps of Engineers has been notified prior to construction or that 404 Permits have been obtained or are not required by the permitting agency. Written documentation may be a copy of the Pre-Construction Notification (PCN) Form or an official verification letter from the US Army Corps of Engineers to the operator stating that a permit has been issued or is not required for the activities in question. For further information contact Nate Dieterich, WRFO Hydrologist at 970-878-3831 or Nathan_Dieterich@blm.gov. Appropriate documents may be sent via electronic mail, faxed (970-878-3805), or mailed to Nate Dieterich at the above address.

Conditions of Approval

10. To mitigate additional soil erosion at the well pad and potential increased sediment and salt loading to nearby surface waters, all disturbed areas affected by drilling or subsequent operations, except areas reasonably needed for production operations, shall be reclaimed as early and as nearly as practicable to their original condition and shall be maintained to control dust and minimize erosion (COGCC). To allow optimal opportunity for interim reclamation of well pads, all tanks and production facilities will be situated on the access road side of the well pad (unless otherwise approved by the WRFO-BLM Area Manager). Reclamation efforts on all pipelines will be final. Interim reclamation of well pads and final reclamation of pipeline right of ways (ROW) will commence as follows:

- Debris and waste materials other than de minimus amounts, including, but not limited to, concrete, sack bentonite and other drilling mud additives, sand, plastic, pipe and cable, as well as equipment associated with the drilling, re-entry or completion operations shall be removed (COGCC).
- Stockpiled topsoil and spoil piles will be separated and clearly labeled to prevent mixing during reclamation efforts.
- Stockpiled topsoil segregated from spoil piles will be replaced during reclamation in its respective original position (last out, first in) to minimize mixing of soil horizons.
- Stockpiled soils (spoil and topsoil) will be pulled back over all disturbed surfaces affected by pipeline/road construction, drilling or subsequent operations, except areas reasonably needed for production operations. Areas on well pads not needed for production operations shall be partially reshaped as early and as nearly as practicable to near pre-construction contours. Pipelines will be recontoured to pre-construction contours as soon as construction activities cease.
- The operator will ensure stockpiled topsoil is evenly distributed over the top of spoil used in recontouring/partial-reshaping efforts.
- Recontoured/partially-reshaped areas will be seeded with a BLM approved seed mixture, and all slopes exceeding 5 % will be covered with wildlife friendly biodegradable fabrics (such as but not limited to Jute blankets, Curlex...) to provide additional protection to topsoil, retain soil moisture, and help promote desired vegetative growth.
- Following seeding and placement of biodegradable fabrics, woody debris cleared during initial construction will be pulled back over the recontoured/partially-reshaped areas to act as flow deflectors and sediment traps. Available woody debris will be evenly distributed over the entire portion of the reclaimed area and will not account for more than 20% of total ground cover.
- The operator will be responsible for excluding livestock/wildlife grazing from all reclaimed portions of well pads. To eliminate livestock utilization of reclaimed areas prior to successful reclamation, a 4-strand BLM Type-D barbed wire fence with braced wooden corners will be constructed around all reclaimed portions of the well pad including cut and fill slopes following placement of woody debris (unless otherwise instructed by the BLM).

Conditions of Approval

- The operator will be required to monitor all reclaimed areas for signs of erosion and the presence of noxious and invasive plant species. If problems arise the operator will consult with the BLM for further assistance.
- A bi-annual report showing the operators reclamation schedule and progress will be submitted to the WRFO Area Manager for review.
- It will be the responsibility of the operator to continue revegetation/reclamation efforts until vegetative communities on all disturbed surfaces are composed of desirable seeded vegetation (as determined by the BLM).

11. Upon final abandonment of well pads, new access roads, and completion of pipelines, 100% of all disturbed surfaces will be restored to pre-construction contours, and revegetated with a BLM preferred seed mixture. Natural drainage patterns will be restored and stabilized with a combination of vegetative (seeding) and non-vegetative (straw bails, woody debris, straw waddles, biodegradable fabrics...) techniques. All available woody debris will be pulled back over recontoured areas (woody debris will not account for more than 20% of total surface cover) to help stabilize soils, trap moisture, and provide cover for vegetation. Monitoring and additional reclamation efforts will persist until reclamation is proven successful (as determined by the BLM).

12. The operator will be responsible for segregating topsoil material and backfilling of topsoil in its respective original position (last out, first in) to assist in the reestablishment of soil health and productivity.

13. Erosion and sediment control measures will be installed on all slopes exceeding five percent to mitigate soil loss. Erosion and sediment control measures will be maintained until stream banks and adjacent upland areas are stabilized.

14. All disturbed surfaces will be restored to natural contours and revegetated with the BLM approved seed mixture below.

15. Promptly revegetate all disturbed areas including cut and fill slopes and roadside borrow areas with Native Seed mix #3 below. Revegetation will commence immediately after construction and will not be delayed until the following fall. Debris will not be scattered on the pipeline until after seeding operations are completed. Seed mixture rates are Pure Live Seed (PLS) pounds per acre. Drill seeding is the preferred method of application.

SPECIES (VARIETY)	LBS. PLS/ACRE
Western wheatgrass (Rosanna)	2
Bluebunch wheatgrass (Secar)	2
Thickspike wheatgrass (Critana)	2
Indian ricegrass (Nezpar)	1
Fourwing saltbush (Wytana)	1

Conditions of Approval

Utah sweetvetch

1

Distribute topsoil evenly over the location and prepare a seedbed by disking or ripping. Drill seed on contour at a depth no greater than 1/2 inch. In areas that cannot be drilled, broadcast at double the seeding rate and harrow seed into the soil. Use seed that is certified and free of noxious weeds. Seed certification tags must be submitted to the Field Office Manager within 30 days of seeding.

16. If construction/development occurs between April 15 and November 15, the operator will be required to water or surface access roads to reduce airborne dust and damage to roadside vegetation communities.

17. The use of interim reclamation techniques will be used to the extent practicable on the pad such that: 1) all available topsoil material would be used to rehabilitate recontoured cut and fill slopes and areas outside the anchors (maintaining the viability of the soils for final reclamation), 2) production facilities are located to maximize the extent of surface disturbance available for recontouring and reclamation after completion operations and through the productive life of the well (e.g., where access road enters pad), and 3) all disturbed areas are reseeded and, if necessary, effectively fenced to control livestock use once well completion activities have been finalized (this includes cut and fill slopes of roads and trial application on the roadbeds themselves).

18. It is recommended that no construction activity take place at WH 197 3A1 during 1 December to 30 April to minimize undue stress and displacement of wintering mule deer.

In 500A 302
⇒ 19. Gate new route where it leaves BLM road 1050A to inhibit public travel.

20. The operator has several options for treatment of slash from this project (see forest management section). If chipping and scattering is selected BLM recommends a hydro-ax or other mulching type machine could be used to remove the trees. The machines are capable of shredding trees up to 12" in diameter and 15' tall as well as mowing brush like a conventional brush beater. It generally leaves small branches and pieces of wood from pencil size up to bowling ball size. This would effectively breakdown the woody fuel and scatters the debris thereby eliminating any hazardous fuel load adjacent to the new road and well pad. If the trees are cut and removed for firewood, posts, or other products then the branches and tops should be lopped and scattered to a depth of 24 inches or less. If the boles of the trees are left for collection by the general public, they should be stacked in small manageable piles along the roadside or pad to facilitate removal or utilized in interim reclamation.

21. All trees removed in the process of construction shall be purchased from the Bureau of Land Management. The trees shall be cut with a maximum stump height of six inches and disposed of by one of the following methods:

- a. Trees must be cut before being dozed off the area of disturbance. Trees shall be cut into four-foot lengths, down to four inches in diameter and placed along the edge of the

Conditions of Approval

disturbance.

- b. Purchased trees may be removed from federal land for resale or private use. Limbs may be scattered off the area of disturbance but not dozed off.
- c. Chipped and scattered.

22. Wild Horse Unit 197-3A and access: 1. The operator is responsible for informing all persons who are associated with the project operations that they will be subject to prosecution for knowingly disturbing paleontological sites, or for collecting fossils. If fossil materials are uncovered during any project or construction activities, the operator is to immediately stop activities in the immediate area of the find that might further disturb such materials, and immediately contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

- whether the materials appear to be of noteworthy scientific interest
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not feasible)

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation cost. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

23. Surface Water: The operator will consult with the State of Colorado Water Quality Control Division regarding Stormwater Discharge Permits prior to commencing construction activities. Construction activities that disturb one acre or greater require a Stormwater Discharge Permit. Written documentation to the BLM Authorized Officer is required within 30 days of the APD approval date to indicate that appropriate permits have been obtained. Written documentation may be a copy of the Stormwater Discharge Permit or an official verification letter from the State Water Quality Control Division to the operator that includes the Permit Certification Number. For further information contact Nate Dieterich, WRFO Hydrologist at 970-878-3831 or Nathan_Dieterich@blm.gov. Appropriate documents may be sent via electronic mail, faxed (970-878-3805), or mailed to Nate Dieterich at the above address.

24. Ground Water: Shallow aquifers shall be protected from hydrofracturing and the production of oil and gas by installation and cementing of surface and intermediate casing. Any groundwater produced from the Fort Union or Mesaverde Formations will be hauled off and disposed of due to poor water quality and therefore preventing adverse impacts to valuable surface and ground water resources. Environmentally unfriendly substances (e.g. diesel) must not be allowed to contact soils. The use of spill-guards (or equivalent spill prevention equipment) under and around pumping equipment is suggested to intercept such contaminants prior to infiltrating soils and contaminating ground water. Furthermore, all pits shall be lined and all wastes associated with construction and drilling will be properly treated and disposed of.

Conditions of Approval

25. If for any reason it becomes necessary, at any time, to excavate into the underlying rock to construct the access road, level the well pad, excavate the reserve/blooiie pit or bury the well tie pipeline a paleontological monitor shall be present before any such excavation is initiated.

26. All permanent (onsite for six [6] months or longer) structures, facilities and equipment placed onsite shall be painted Munsell Soil Color Chart Juniper Green or equivalent within six months of installation.

27. Chronologic drilling progress reports must be filed directly with the BLM, White River Field Office on a daily basis in Sundry, letter form, or electronically to the Petroleum Engineer until the well is completed.

II. NOTICES

A. DRILLING PLAN

1. All operations, unless otherwise specifically approved in the APD, must be conducted in accordance with Onshore Oil and Gas Order No.1; Approval of Operations on Onshore Federal and Indian Oil and Gas Leases; and Oil and Gas Order No. 2; Drilling Operations.
2. One copy of all charted BOPE tests, logs, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed with the completion report, Form 3160-4. This completion report shall be filed within 30 days of completion of operations and submitted prior to or along with the first production notice.
3. The United States of America considers the development of groundwater resources to be necessary and frequently indispensable to effective land management. Therefore, any groundwater intercepted by the party conducting mineral exploration shall be reported to the Field Office Manager immediately including approximate quantities and a sample in a sealed quart container. The United States shall have the first opportunity to file state water rights for the intercepted groundwater. The undersigned may file for water rights only with a written waiver from the Field Office Manager.
4. Due to the extensive lost circulation problems that are being encountered in the Piceance Basin during drilling operations from surface to total depth (TD), and given that all usable water zones, potential productive

Conditions of Approval

zones, and lost circulation zones shall be protected and/or isolated per Onshore Order #2, the White River Field Office requires sufficient volumes of cement be pumped to meet these requirements. Cement tops behind intermediate and production casing will be verified by an acceptable log to ensure compliance with this Order.

During surface cementing operations, should cement not be circulated to surface, a log acceptable to the WRFO will be run to determine the top of cement before commencing top job operations. If cement is circulated to surface and subsequently falls back, top job(s) will be performed until cement remains at surface.

5. Chronologic drilling progress reports must be filed directly with the BLM, White River Field Office on a weekly basis (in lieu of monthly) via letter form, or electronically to the Petroleum Engineer until the well is completed.
6. All pits shall maintain a minimum of two feet of free board at all times.
7. All drill cuttings shall be contained in a pit on the pad of the well being drilled, or hauled to an approved disposal site.

B. SURFACE USE PLAN OF OPERATIONS

1. In accordance with Onshore Order #1, III.E and ARPA 1979 as amended (AL, 96-95), the operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the Authorized Officer (AO). Within five working days the AO will inform the operator as to:
 - whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,

Conditions of Approval

- a timeframe for the AO to complete an expedited review under 36 CFR 800-11 to confirm, through the State Historic Preservation Officer, that the finding of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation cost. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

2. Pursuant to 43 CFR 10.4(g) the holder of this authorization must notify the authorized officer, by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4(c) and (d), you must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the authorized officer.

EXXON MOBIL CORPORATION

WELL VIEW PHOTOGRAPHS

Wild Horse 197-3A,
Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



EAST VIEW



WEST VIEW

DATE PHOTOGRAPHED: December 8, 2005

Revised: 1/27/2006



**Johnson, Kunkel
& Associates, Inc.**

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JOB NO.:	EA05410	
DATE:	12/12/05	2
DRAWING NO.:	EA05410well	OF

EXXON MOBIL CORPORATION

WELL VIEW PHOTOGRAPHS

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



NORTH VIEW



SOUTH VIEW

DATE PHOTOGRAPHED: December 8, 2005

Revised: 1/27/2006



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JOB NO.:	EA05410	
DATE:	12/12/05	2
DRAWING NO.:	EA05410well	OF

EXXON MOBIL CORPORATION

CERTIFICATION

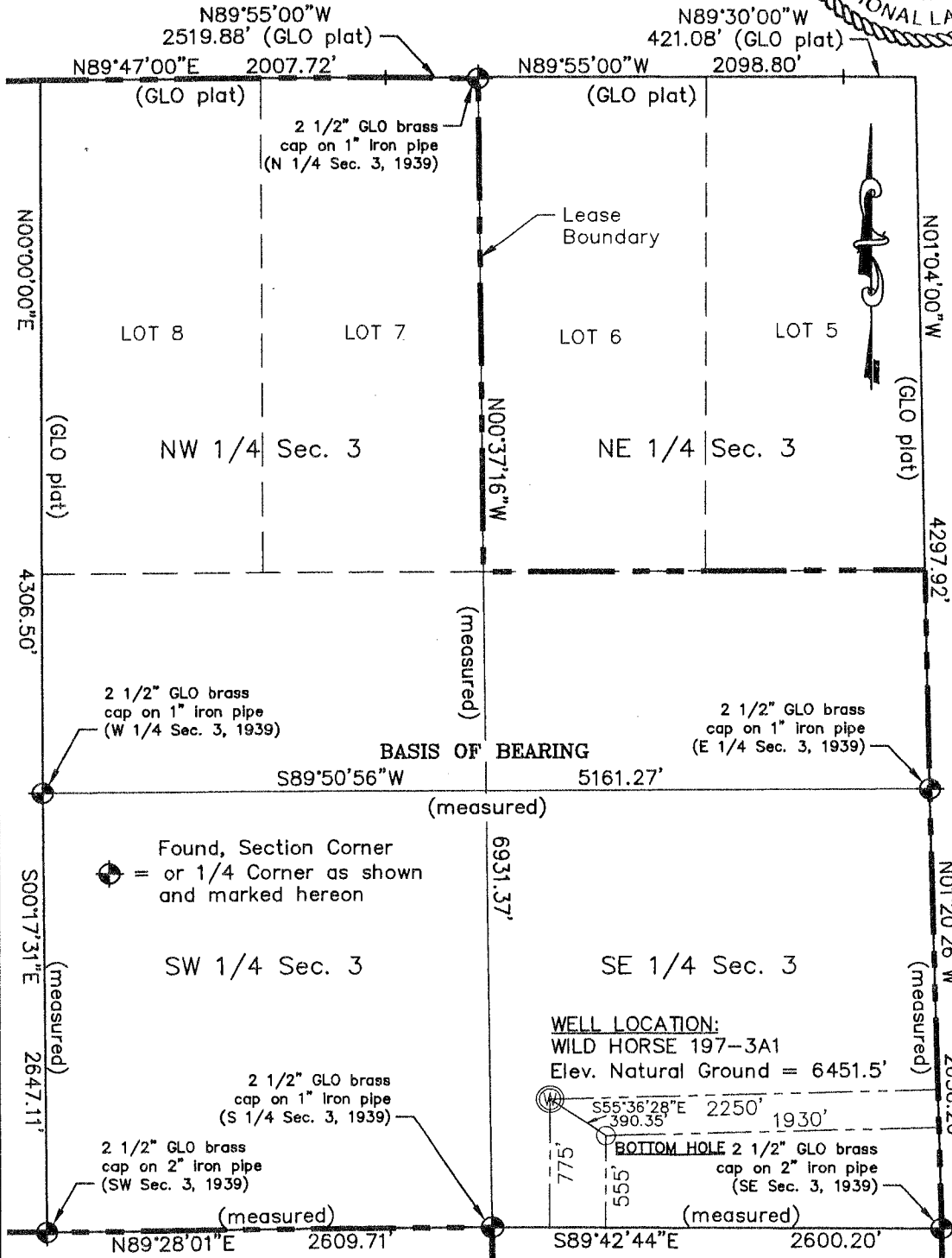
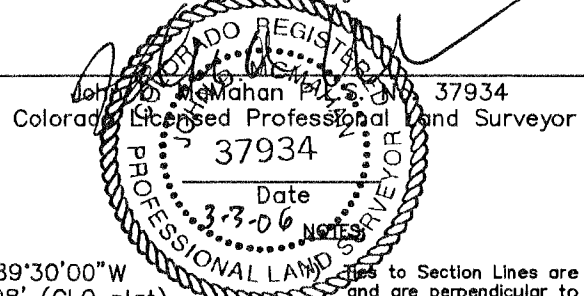
WELL LOCATION PLAT

Wild Horse 197-3A1, Located in the SE 1/4 of Section 3, Township 1 South, Range 97 West of the 6th P.M., Rio Blanco County, Colorado

I, John D. McMahan, a Colorado Licensed Professional Land Surveyor, do hereby certify that the plat, as shown hereon, is based on a field survey performed by me or under my direct supervision and is accurate to the best of my knowledge and belief.

BASIS OF BEARING: The bearings shown hereon are based upon a bearing of S89°50'56"W between the E 1/4 Corner of Section 3 and the W 1/4 Corner of Section 3 as shown hereon.

BASIS OF ELEVATION: The elevations shown hereon are based on a NAVD 88 elevation of 5720' as reported for NGS Control Point "C64 MP55.25" located in Section 35, Township 2 North, Range 97 West of the 6th P.M., Rio Blanco County, Colorado.



- Notes to Section Lines are measured in feet and are perpendicular to Section Lines.
- Survey Date: December 5-8, 2005
 - Field Surveyor: E. Watts
 - G.P.S. Operation: PDOP = 1.9
 - There are no existing minor Improvements within 200' of the proposed well head.
 - No buildings, public roads, above ground utilities or railroads are existing within 200' of the proposed well head.
 - Surface Use: The area around the well site is primarily covered in cedar trees and sage brush and is used for grazing.

CO-NORTH NAD 83 (WELL LOCATION)

Latitude = 39°59'18.67" (39.988519 N)
 Longitude = 108°16'01.10" (108.266972 W)
STATE PLANE COORDINATES
 Northing = 1,250,759.78
 Easting = 2,224,818.05

CO-NORTH NAD 27 (WELL LOCATION)

Latitude = 39°59'18.77" (39.988547 N)
 Longitude = 108°15'58.79" (108.266330 W)
STATE PLANE COORDINATES
 Northing = 250,760.49
 Easting = 1,224,977.89

CO-NORTH NAD 83 (BOTTOM HOLE)

Latitude = 39°59'16.59" (39.987942 N)
 Longitude = 108°15'56.88" (108.265800 W)
STATE PLANE COORDINATES
 Northing = 1,250,539
 Easting = 2,225,140

CO-NORTH NAD 27 (BOTTOM HOLE)

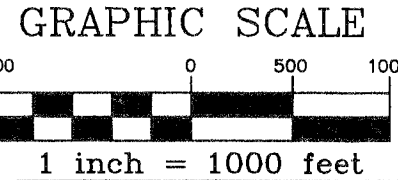
Latitude = 39°59'16.69" (39.987969 N)
 Longitude = 108°15'54.56" (108.265156 W)
STATE PLANE COORDINATES
 Northing = 250,540
 Easting = 1,225,300

FROM SURFACE LOCATION TO NEAREST:

Town: 18.6 miles to Meeker
 Town: 24.0 miles to Rio Blanco
 Lease Boundary: 2,250' to East
 Lease Boundary: 3,180' to North
 Lease Boundary: 840' to nearest

FROM BOTTOM HOLE TO NEAREST:

Lease Boundary: 855' to nearest



NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM

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 Creative Mapping Services
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SCALE: 1 in. = 1000 ft.

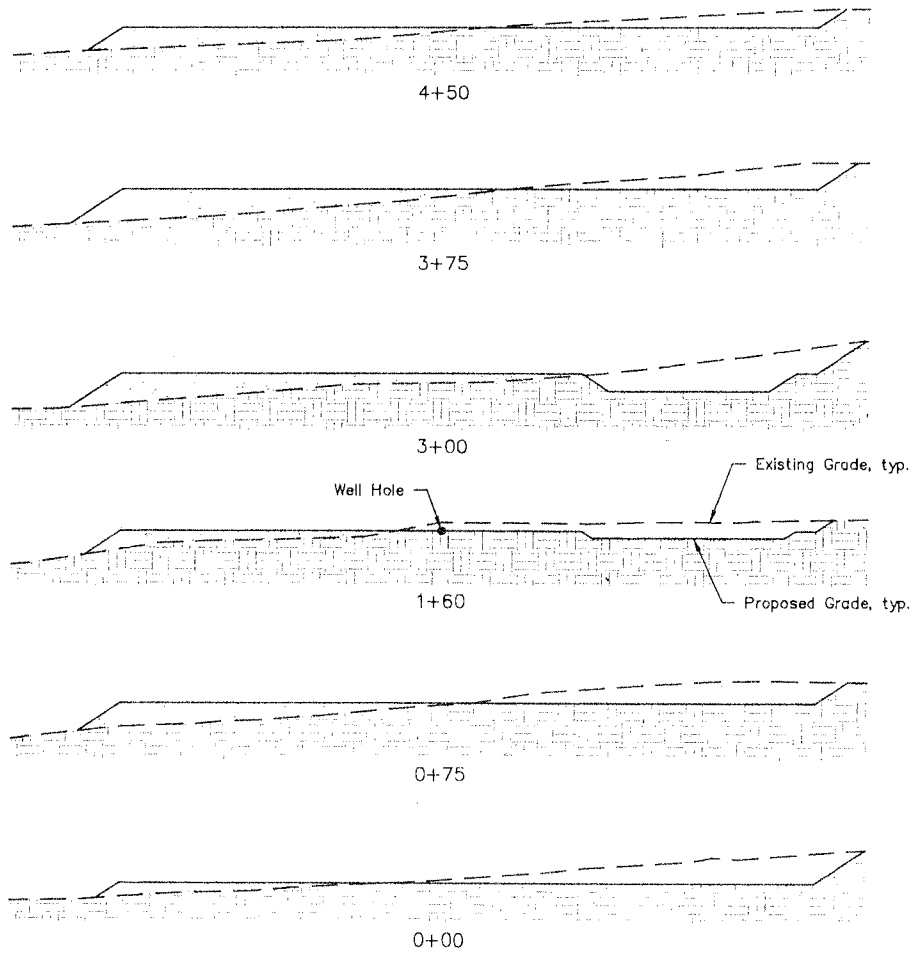
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CHECKED BY: JOB NO.: EA05410
DATE: 12/12/05
DRAWING NO.: EA05410well

1 SHEET OF

EXXON MOBIL CORPORATION

CROSS SECTIONS

Wild Horse 197-3A, Located in the SE 1/4 of Section 3, Township 1 South, Range 97 West of the 6th P.M., Rio Blanco County, Colorado



ESTIMATED EARTHWORK QUANTITIES (Cu. Yds.)							
ITEM	ELEV.	AREA	TOPSOIL	CUT	ADJ CUT	FILL	EXCESS
		(AC)	(CY)	(CY)	(CY) 10% Fluff	(CY)	(CY)
WELL PAD	6447.45'	3.84	3,100	17,959	19,754	19,626	128
PROD. PAD	6455.35'	0.45	364	1,299	1,414	1,414	14
TOTAL:		4.29	3,463	21,040	21,183	21,040	142
PITS (Incl. Above)				3,898			

Wild Horse 197-3A

SHEET	3
DRAWN BY	SLM
CHECKED BY	
REV. NO.	EA05410
DATE	12/17/15

Cross Sections



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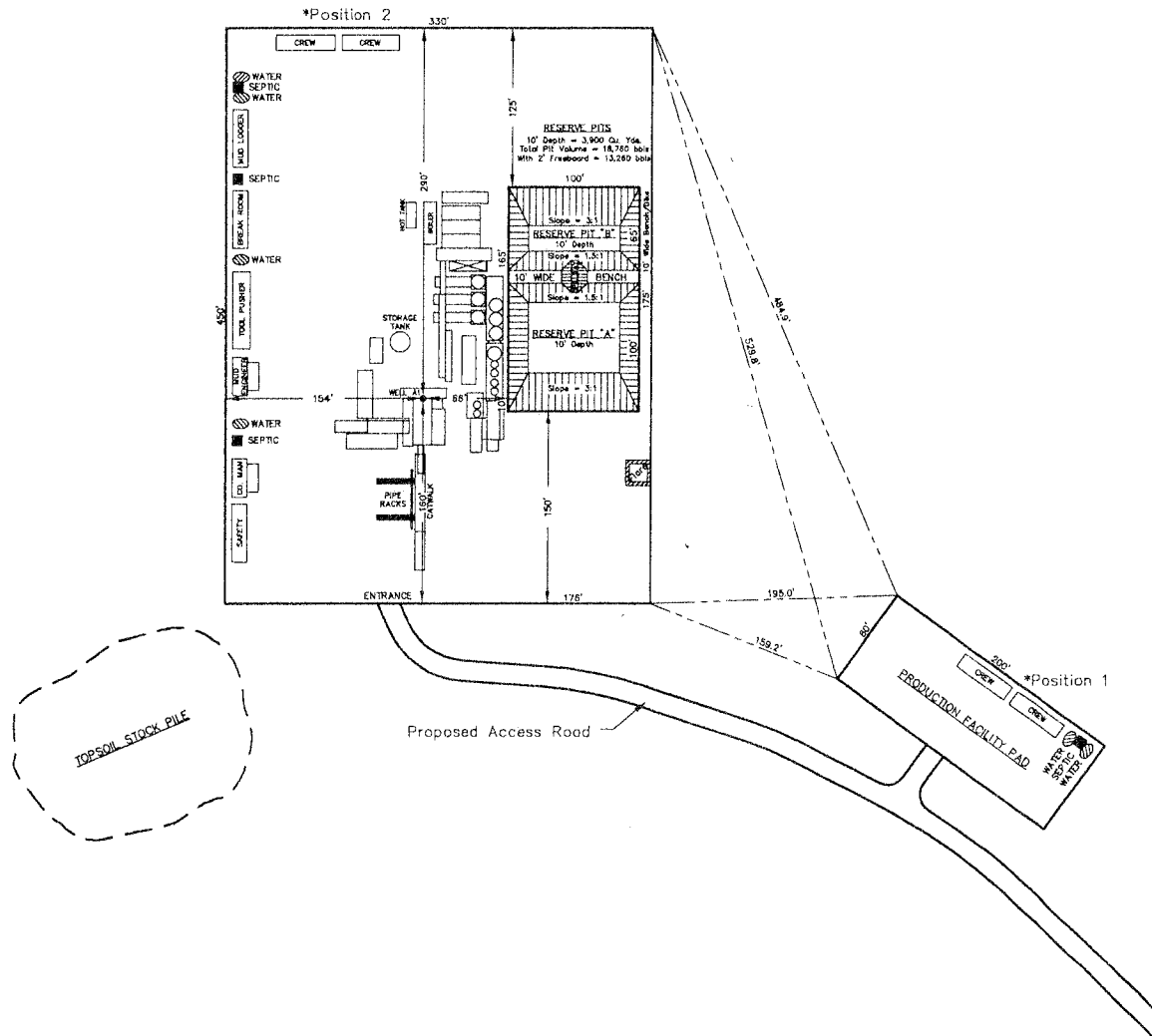
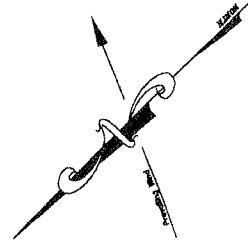
EXXON MOBIL CORPORATION

TYPICAL RIG LAYOUT

WELL PAD (WILD HORSE 197-3A)

Wild Horse 197-3A1

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



*Crew trailers will be located in Position 1 or Position 2.

EXXON MOBIL CORPORATION

WRITTEN DIRECTIONS

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado

Beginning in the Town of Rifle, Colorado; thence in a northerly direction along Colorado State Highway No. 13 approximately 19 miles to the junction with Rio Blanco County Road No. 5 at Rio Blanco; thence in a westerly direction along said County Road No. 5 approximately 26.5 miles to the junction with Rio Blanco County Road No. 24; thence in a westerly direction along said County Road No. 24 approximately 1.7 miles to the junction with Rio Blanco County Road No. 31; thence in a northerly direction along said County Road No. 31 approximately 2.2 miles to the junction with Rio Blanco County Road No. 83; thence in a northerly direction along said County Road No. 83 approximately 5.7 miles to the junction with a primitive "jeep road"; thence in an easterly direction along said "jeep road" approximately 1.2 miles to the beginning of the proposed access road to the Wild Horse 197-3A well site.

NO.	DATE	DESCRIPTION	BY
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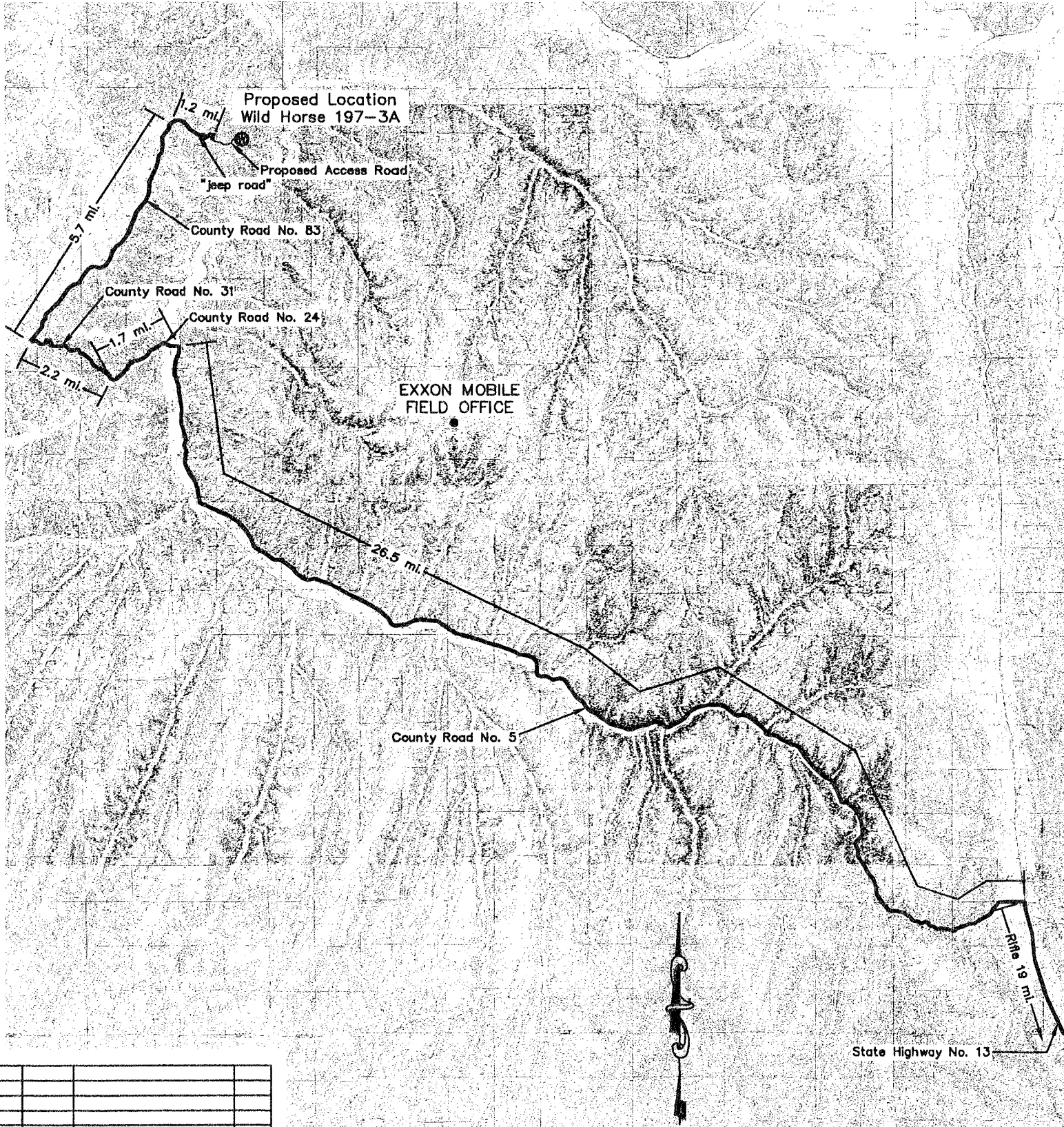
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JOB NO.:	EA05410	5
DATE:	12/12/05	OF
DRAWING NO.:	EA05410well	

EXXON MOBIL CORPORATION

GRAPHIC DIRECTIONS

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



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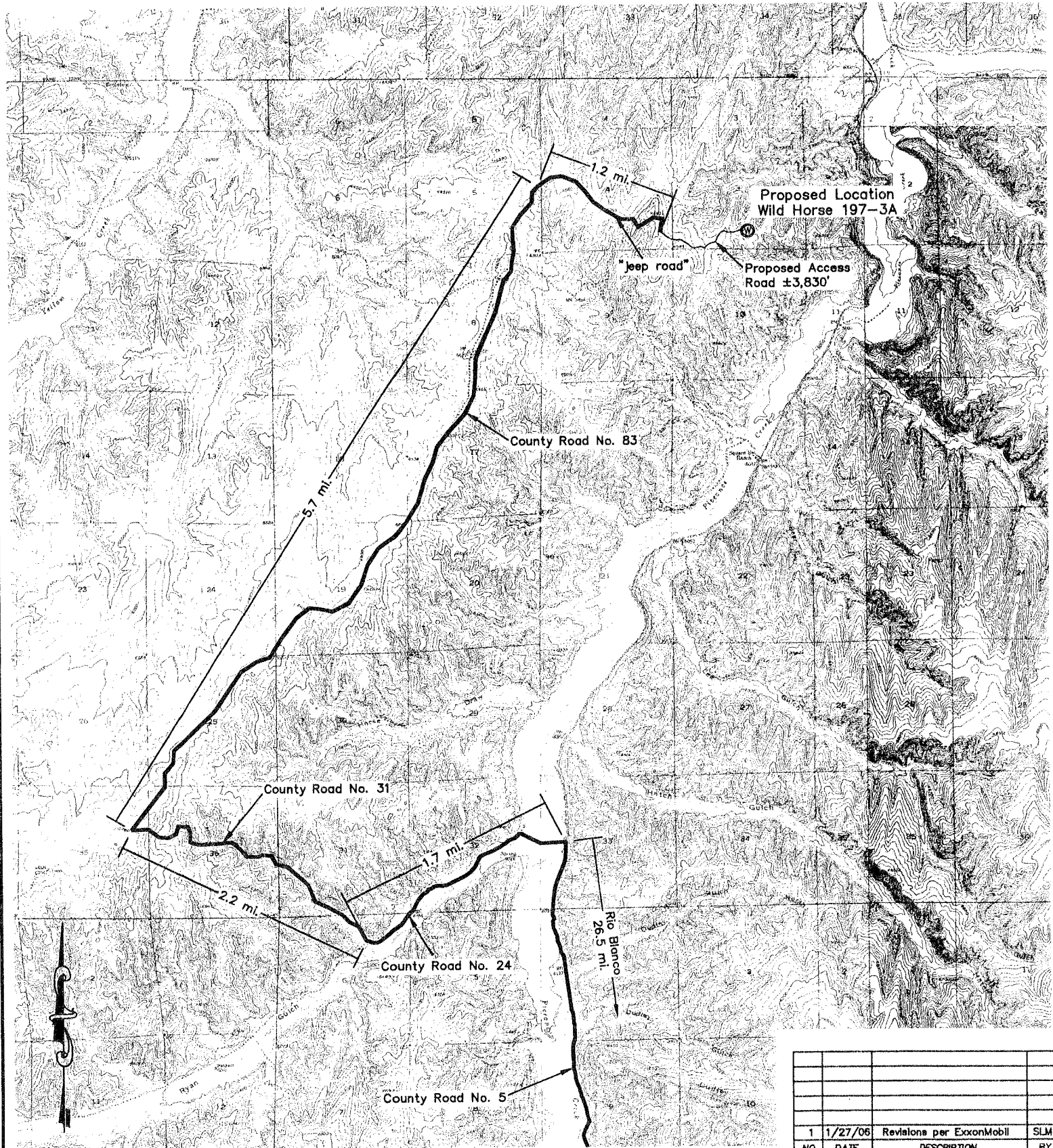
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	DATE:	12/12/05	OF
	DRAWING NO.:	EA05410well	

EXXON MOBIL CORPORATION


GRAPHIC DIRECTIONS

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM



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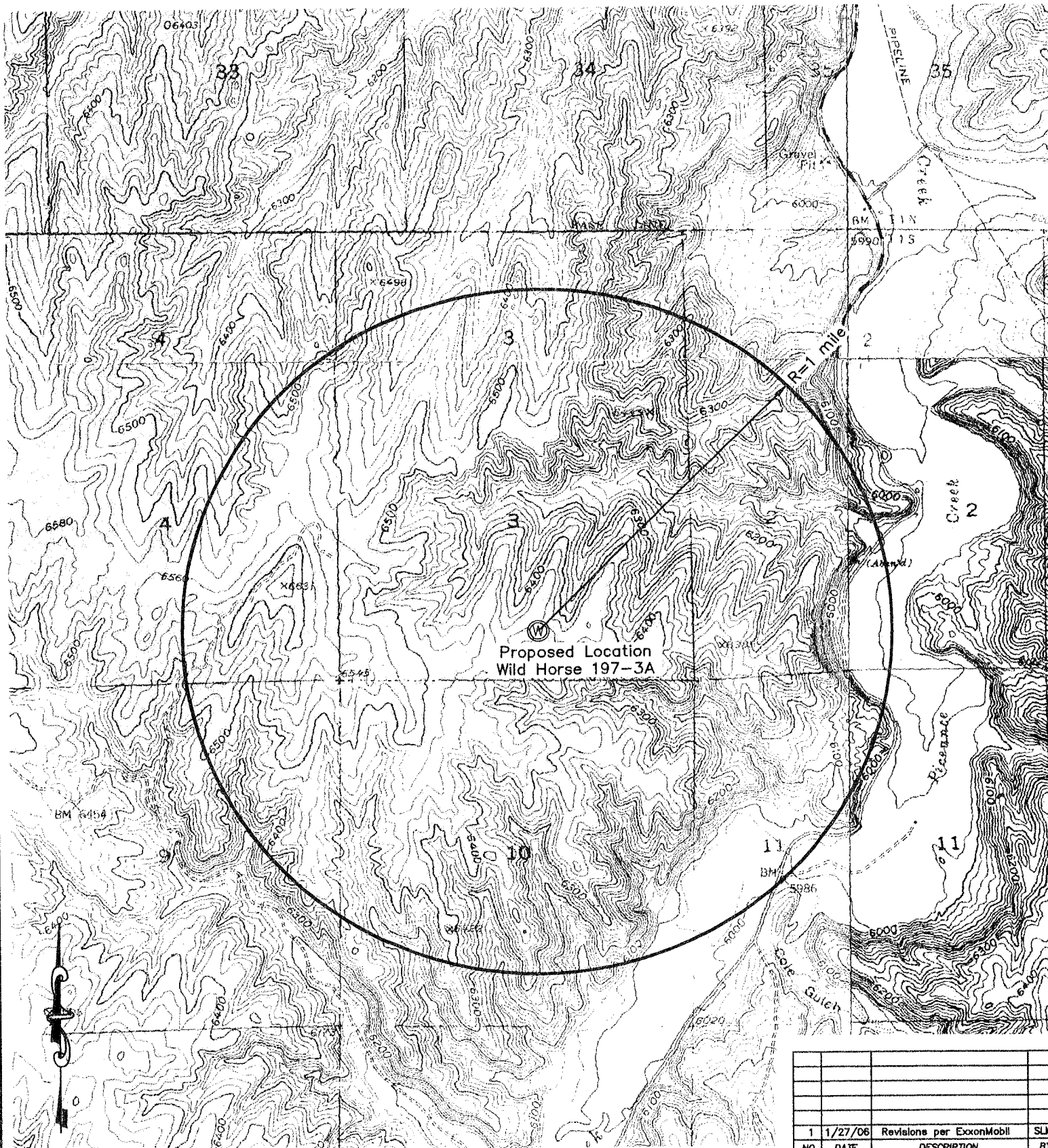
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JOB NO.:	EA05410	5
DATE:	12/12/05	OF
DRAWING NO.:	EA05410well	

EXXON MOBIL CORPORATION

1 MILE RADIUS WELL MAP
 Wild Horse 197-3A,
 Section 3, Township 1 South, Range 97 West
 of the 6th P.M., Rio Blanco County, Colorado

There are no other known wells
 within the 1 mile perimeter of
 Wild Horse 197-3A.



NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM



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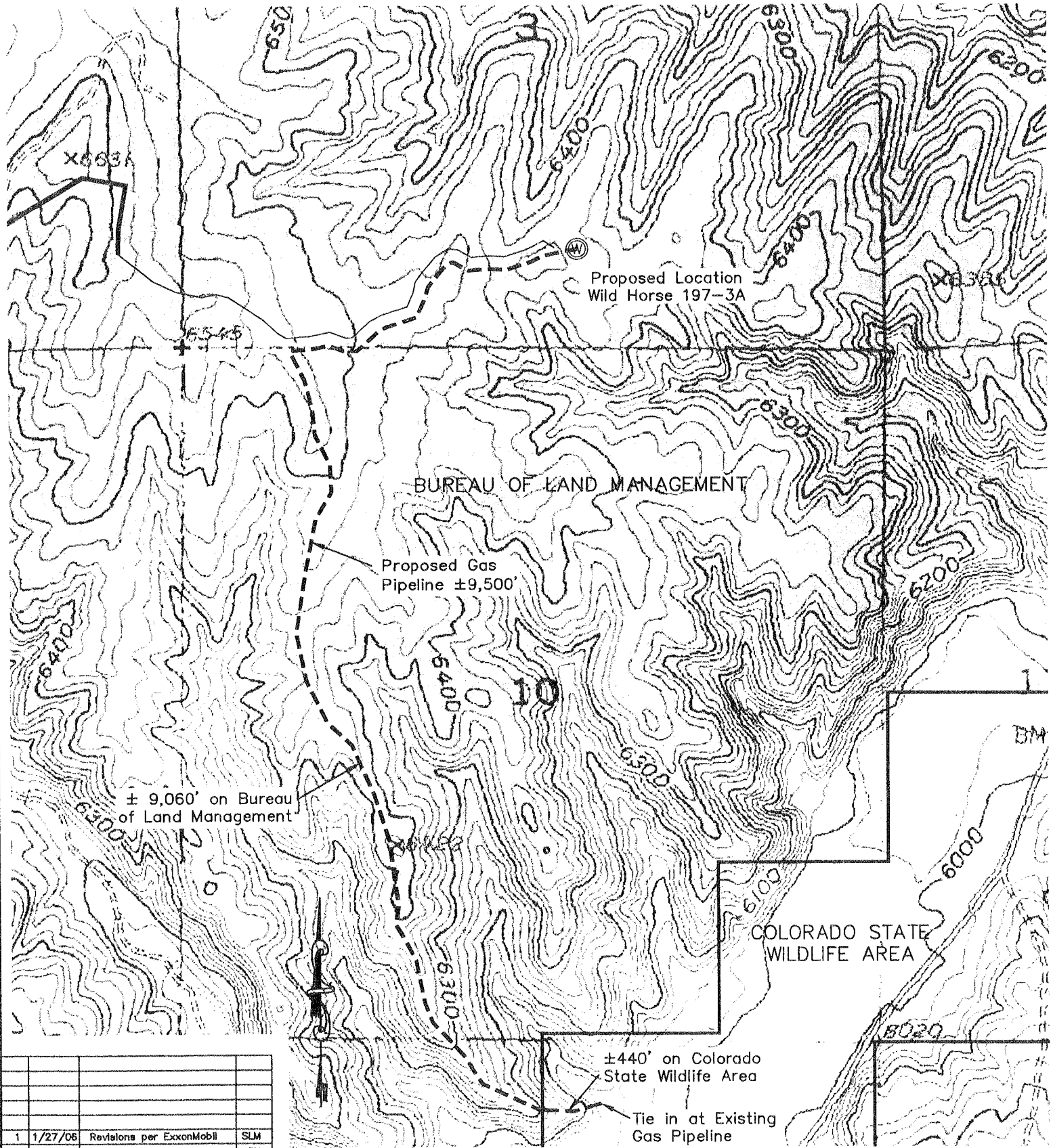
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	CHECKED BY:		
	JOB NO.:	EA05410	5 OF
	DATE:	12/12/05	
DRAWING NO.:		EA05410well	

EXXON MOBIL CORPORATION

PROPOSED PIPE ROUTE

Wild Horse 197-3A,

Section 3, Township 1 South, Range 97 West
of the 6th P.M., Rio Blanco County, Colorado



NO.	DATE	DESCRIPTION	BY
1	1/27/06	Revisions per ExxonMobil	SLM



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SCALE
1 in. =
1000 ft.

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CHECKED BY:
JOB NO.: EA05410
DATE: 12/12/05
DRAWING NO.: EA05410well

5D
SHEET
5
OF

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Wild Horse 197-3A1 Well
Section 3, T1S, R97W
Rio Blanco Co., Colorado
BLM Eight Point Plan

1. The Estimated Tops of Important Geologic Markers.

<u>Formation</u>	<u>TVD</u>
Green River	2665'
Wasatch A	3065'
Wasatch G	6165'
Wasatch I	5215'
Ohio Creek (WF 900)	8315'
WF 700	9265'
WF 500	9905'
WF 400	10515'
WF 200	12365'
Cameo	12665'
Rollins	12915'
Cozzette	13135'
Corcoran Coastal	13465'
Corcoran Marine	14365'
TD	14580'

Tops are RKB with an estimated KB elevation of 6465'.

2. The estimated depths at which the top and the bottom of anticipated water, oil, gas or other mineral bearing formations are expected to be encountered.

	<u>Top (TVD)</u>	<u>Bottom (TVD)</u>	<u>How Protected</u>
Fresh Water	Surface	1,200'	Surface casing cemented to surface.
Producible Gas	8315'	TD	Intermediate casing cemented 500' above surface casing shoe

3. Minimum specifications for pressure control equipment.

A. Wellhead and Tree Equipment:

"A" Section	- 10-3/4" SOW x 11" 5k psi, sweet
"B" Section	- 11" 5k psi x 11" 5k psi, sweet
Tubinghead	- 11" 5k psi x 7-1/16" 10k psi, sweet
Tubinghead adapter	- 7-1/16" 10k psi x 2-1/16" 5k psi, sweet
Tree	- 2-1/16" 5k psi, sweet

B. Blowout preventer equipment:

<u>Type</u>	<u>Pressure Rating</u>	<u>Installed on Casing</u>
Type - RSRRAG	5,000 psi	10-3/4"
Type - RSRRAG	5,000 psi	7"

Additional preventers may be added and/or preventers with higher pressure ratings may be substituted depending on equipment provided by drilling contractor. Diagrams of the BOP stack and choke manifold are attached.

C. Testing:

- (1) Operational Testing - an operational test consisting of closing the pipe rams on the drill pipe and closing the blind rams on open hole will be performed on each round trip but not more than once each day.
- (2) Pressure Testing - An initial pressure test of 200 psi and 5,000 psi will be performed on the ram BOPs after nipping up on the surface casing string but prior to drilling out. The annular BOP will be tested to 200 psi and 5,000 psi upon installation. This initial test only may be performed on the "stump" and the BOP-wellhead flange will be tested when the stack is installed.

Subsequent pressure tests of the BOP equipment will be conducted as follows:

- (a) Upon any component change of the BOP stack and/or choke manifold.
- (b) At least every thirty (30) days.

Subsequent pressure tests will be at 200 psi and 5,000 psi for the ram BOPs, and the annular preventer will be tested to 200 psi and 3,500 psi. If a test plug is used, the rams will be tested to working pressure.

- (3) BOP drills - a drilling crew proficiency test to perform the well shut-in procedure will be performed at least once each week with each crew.

D. BOP control unit:

Unit will be hydraulically operated and have one control station on the rig floor readily accessible to the driller and one located at ground level a safe distance from the wellbore.

E. Remote controlled choke:

Unit will be installed prior to drilling intermediate hole.

4. Auxiliary equipment and proposed casing program.

A. Auxiliary equipment:

Kelly cocks - upper and lower installed on kelly.

Safety valve - full opening ball type valve to fit each type and size of drill pipe in use will be available on the rig floor in the open position at all times for use when the kelly is not connected to the drill string.

B. Casing:

<u>String</u>	<u>Hole Size</u>	<u>Size/Weight/Grade</u>	<u>Depth Interval - TVD</u>
Conductor	20"	16" Line Pipe	0 - 130'
Surface	14-3/4"	10-3/4" 45.5# K-55	0 - 3580'
Intermediate	9-7/8"	7" 26# P-110	0 - 9330'
Production	6-1/8"	4-1/2" 15.1# P-110	0 - 14580'

Substitutions of weight or grade may be required due to availability. All pipe is in new condition.

C. Cement:

<u>Hole Size</u>	<u>Casing</u>	<u>TOC</u>	<u>Cement Type</u>	<u>*Approximate Cement Volume</u>
20"	16"	Surface	Lead: Class G	105 ft ³
14-3/4"	10-3/4"	Surface ~ 3000'	Lead: Class G/Light Tail: Class G	1670 ft ³ 325 ft ³
9-7/8"	7"	~ 3000' ~ 8800'	Lead: Class G/Light Tail: Class G	1540 ft ³ 150 ft ³
6-1/8"	4-1/2"	~7400'	Lead: Class G/Light	680 ft ³

Cement formulation and properties:

<u>Slurry</u>	<u>Typical Additives</u>	<u>Density</u>	<u>Yield</u>	<u>Sacks</u>
10-3/4" Lead	Lightweight, Fluid loss, Free water control	12.5 ppg	2.06 ft ³ /sk	570
10-3/4" Tail	Fluid Loss, Free water control	15.8 ppg	1.15 ft ³ /sk	485
7" Lead	Lightweight, Fluid loss, Free water control	12.5 ppg	2.06 ft ³ /sk	515
7" Tail	Fluid loss, Free water control	15.8 ppg	1.15 ft ³ /sk	231
4-1/2" Lead	Fluid loss, Free water control, Retarder	12.0 ppg	2.56 ft ³ /sk	236

*Cement volumes are based on gauge hole and will be revised as necessary (caliper data or mud lag) to ensure coverage of all fresh water and hydrocarbon bearing formations.

D. Casing test procedures:

<u>String</u>	<u>Size</u>	<u>Test Pressure</u>
Surface	10-3/4"	1,500 psi
Intermediate	7"	2,100 psi
Production	4-1/2"	3,250 psi

5. Circulating medium characteristics.

A. Type and anticipated characteristics of circulating medium:

<u>Depth Interval</u>	<u>Mud Type</u>	<u>Weight (ppg)</u>	<u>FV (Sec/Qt)</u>	<u>YP (#/100 SF)</u>	<u>WL (cc/ 30 min)</u>	<u>pH</u>
0-3500	Spud	8.3-9.5	28-50	4-20	--	7.5-10.5
3500'-9300	WBM*	8.6-10.0	28-80	4-35	<15	8.0-10.5
9300'-14600	WBM*	8.6-10.5	28-80	4-35	<15	8.0-10.5

B. Quantities of mud and weighting materials:

A sufficient inventory of mud materials and treating equipment will be maintained to control mud properties adequately for well control and drilling requirements.

C. Mud system monitoring equipment:

Trip tank - will be used to keep the hole full of fluid on trips and to monitor hole behavior during trips and wireline logging.

Degasser- will be installed prior to drilling the production hole.

Flare Line System- will be installed prior to drilling production hole.

6. Anticipated type and amount of coring, testing and logging:

- A. Coring program: a 60' conventional core will be taken in the lower Williams Fork formation
- B. Sidewall Cores: Several sidewall core samples will be taken throughout the intermediate and production intervals
- C. Drill stem tests: none anticipated

D. Logging program:

- If cement is not circulated to surface on the surface hole cement job, a log acceptable to the WRFO will be run to verify top of cement.
- A log acceptable to the WRFO will be run in the intermediate and production hole casing to verify top of cement.

<u>Logs</u>	<u>From</u>	<u>To</u>
DIL, D/N, GR, SP	0	3565'
DIL, D/N, GR, SP	3565'	14,565'
Dipole Sonic	3565'	14,565'

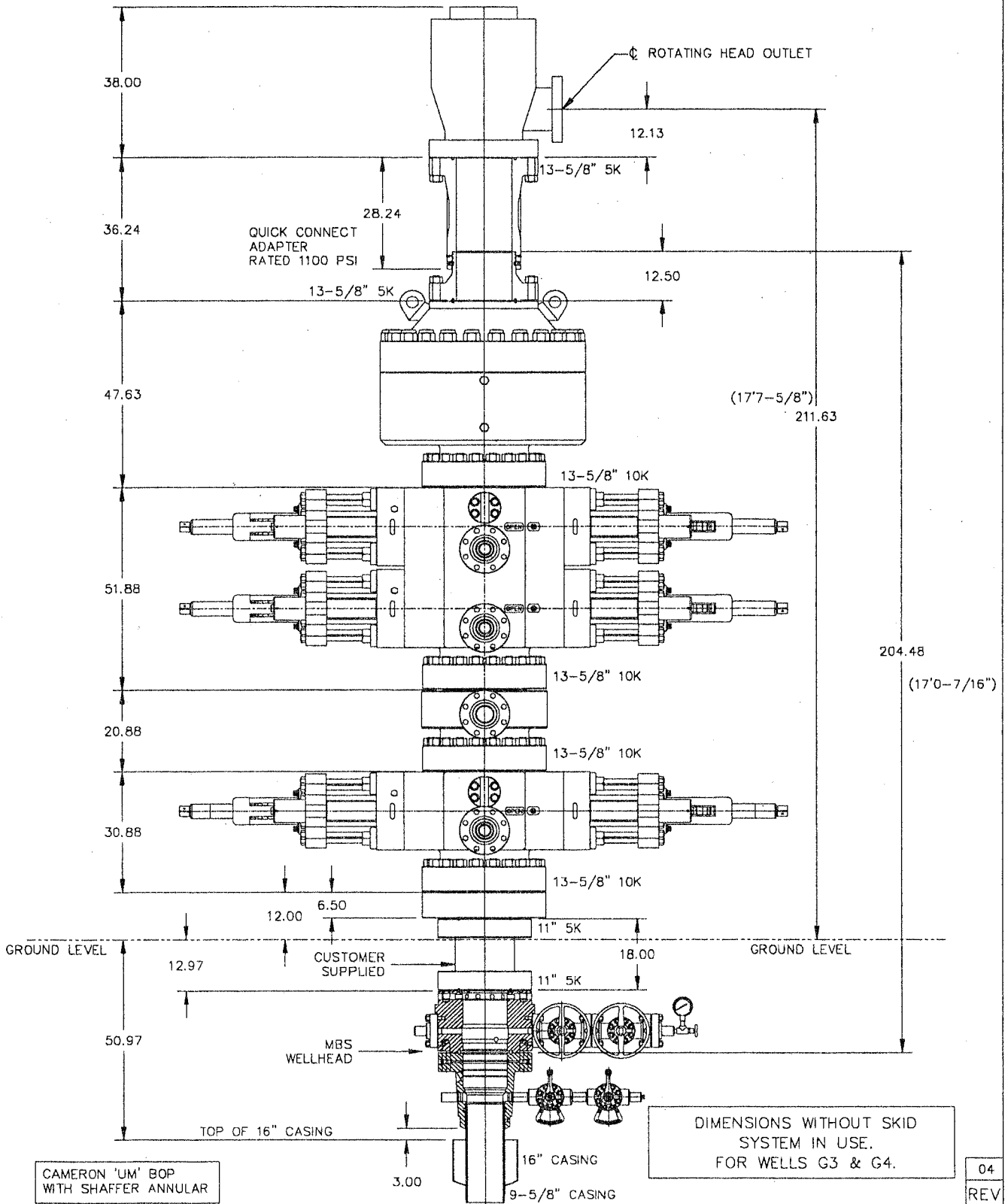
7. Bottom Hole Pressure and Other Potential Hazards.

- A. The bottom hole pressure is estimated to be 7280 psi at 14,580' (TVD). This corresponds to an equivalent mud weight of 9.6 ppg.
- B. Maximum anticipated surface pressure while drilling the 9-7/8" intermediate hole is 1640 psi. This is based on a 12.5 ppg fracture gradient at 3580' TVD with a 0.5 ppg safety factor and a pressure gradient of 0.22 psi/ft to surface.
- C. Maximum anticipated surface pressure while drilling the 6-1/8" production hole is 3770 psi. This is based on a 11.5 ppg fracture gradient at 9315' TVD with a 0.5 ppg safety factor and a pressure gradient of 0.22 psi/ft to surface.
- D. The greatest hazard that is foreseen for this drillwell is lost circulation. Offset wells in the area have had lost returns and have taken gas influxes.

8. Other Facets of the Proposed Operation.

- A) Conductor installation: the conductor casing may be pre-installed by a smaller air/mist drilling rig. This rig would also drill the surface hole to a depth of +/-500' and leave the hole full of fresh water or drilling spud mud.
- B) Surface casing installation: the surface casing may be installed and cemented by a smaller air/mist drilling rig.
- C) Mud makeup water: produced water from Piceance Creek Unit wells or Love Ranch wells will be one of the sources of water for the mud system in the production hole section, if a WBM system is used.
- D) Completion operations: perforate and frac several intervals throughout the Mesa Verde formation based on wireline logs and shows.

Contact Fred Beartrack at (281) 654-4479 with any questions concerning this eight-point plan.



NOTE:
 THIS IS A PROPOSAL DRAWING AND DIMENSIONS SHOWN ARE SUBJECT TO CHANGE DURING THE FINAL DESIGN PROCESS.

THIS DOCUMENT CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION WHICH IS THE PROPERTY OF CAMERON, A DIVISION OF COOPER CAMERON CORPORATION AND RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO LOAN, SELL, OR OTHERWISE DISCLOSE SAID INFORMATION. REPRODUCTION OR USE OF SAID INFORMATION FOR ANY PURPOSE OTHER THAN THE PURPOSE FOR WHICH SAID INFORMATION WAS SUPPLIED IS PROHIBITED WITHOUT EXPRESS WRITTEN PERMISSION FROM CAMERON. THIS DOCUMENT IS TO BE RETURNED TO CAMERON UPON REQUEST OR UPON COMPLETION OF THE PURPOSE FOR WHICH IT WAS SUPPLIED.

DO NOT SCALE	
DRAWN BY KEN REED	DATE 27OCT2004
CHECKED TOM TAYLOR	DATE 27OCT2004
APPROVED	DATE
INITIAL USE B/M	



Cooper Cameron Corporation
 Cameron Division
 P.O. Box 1212
 Houston, TX 77251-1212

PROPOSAL DRAWING
ExxonMobil
 PICEANCE CREEK RIG 215
 MBS WELLHEAD SYSTEM
 13-5/8" 10K BOP CONFIGURATION

04
REV

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

SH: 775 FSL, 2250 FEL SWSE
BH: 555 FSL, 1930 FEL SWSE
Section 3, T 1S - R 97W, 6TH P.M.
RIO BLANCO COUNTY, COLORADO

NOTE: This one-well pad could possibly in the future be expanded to a nine-well pad. If the drilling pad is expanded for additional wells, the dimensions of the pad would increase from the current 450' x 330' (shown on the diagrams for this application) to approximately 450' x 530'. Surveys have been conducted for the potential larger pad size.

1. **EXISTING ROADS:** Shown on area map sheets 5A & 5B which are reproductions of a portion of a USGS map.
 - A. Sheets 5A & 5B show the proposed well as staked.
 - B. Beginning in the Town of Rifle, Colorado; thence in a northerly direction along Colorado State Highway No. 13 approximately 19 miles to the junction with Rio Blanco County Road No. 5 at Rio Blanco; thence in a westerly direction along said County Road No. 5 approximately 26.5 miles to the junction with Rio Blanco County Road No. 24; thence in a westerly direction along said County Road No. 24 approximately 1.7 miles to the junction with Rio Blanco County Road No. 31; thence in a northerly direction along said County Road No. 31 approximately 2.2 miles to the junction with Rio Blanco County Road No. 83; thence in a northerly direction along said County Road No. 83 approximately 5.7 miles to the junction with a primitive "jeep road"; thence in an easterly direction along said "jeep road" approximately 1.2 miles to the beginning of the proposed access road to the Wild Horse 197-3A well site.
 - C. All existing roads within one mile of the drill site are shown on Sheets 5A & 5B. All roads that are not county maintained will be maintained as required by usage.
 - D. This is an exploration well.
2. **PLANNED ACCESS ROAD:** Approximately 3830' of new access road will be constructed and 1.2 miles of existing two track trail will be upgraded.
 - A. The road will feature a cleared width of approximately 40' with an 18' wide running surface. Road will be crowned, ditched, properly drained and surfaced in accordance with BLM Standards prior to drilling operations to ensure safe, environmentally sound, year-round access. The turnoff from the public road will have adequate visibility.
 - B. The maximum grade for the access road will not exceed 6 %.
 - C. No turnouts will be required for this access road.
 - D. CMP's will be placed as needed.
 - E. Surfacing material will be hauled over existing roads from a source not yet identified.
 - F. No cattle guards will be required for this location.
 - G. The proposed access road will be flagged prior to construction.
3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS.**
 - A: Water Wells: none known

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

- B. Abandoned wells: none
 - C. Temporarily abandoned wells: none
 - D. Disposal Wells: none
 - E. Drilling Wells: none
 - F. Producing Wells: none
 - G. Shut-in Wells: none
 - H. Injection Well: none
 - I. Monitoring or observation wells: none
4. **LOCATIONS OF EXISTING AND/OR PROPOSED FACILITIES:** There are no existing facilities in the immediate area. Facilities will be planned as per the attached Exhibit "C".
5. **LOCATION AND TYPE OF WATER SUPPLY:** Water will be piped from an unidentified source through lines laid on top of the ground or trucked over the proposed access road. Remaining clear water will be pumped or hauled forward from previous wells after surface casing is set.
6. **SOURCE OF CONSTRUCTION MATERIALS:**
- A. Location sub-grade will be constructed by normal cut and fill methods.
 - B. Surfacing material will be trucked to the location from an outside source and placed as needed.
7. **WASTE DISPOSAL:** Waste materials will be contained and disposed of as follows:
- A. Drill cuttings will be disposed of in the reserve or dry cuttings pit and buried with at least 4' of cover. E & P waste will be handled as defined, prescribed or permitted by the COGCC Rules.

In the event that ExxonMobil Corporation has used diesel in the drilling mud system and the drill cuttings/fluids contain greater than 1% diesel net weight, these cuttings will be transported via tanker truck over existing roads a state approved disposal site. Currently disposal sites on our approved list in the area are:

Ace Oilfield Disposal, Inc. Vernal, UT
RN Industries Roosevelt, UT

As an alternative, mud and cuttings will be solidified in place in a procedure as or to be approved by the COGCC.

All mud cuttings will meet these requirements before being buried or removed from the location. All cuttings will have all harmful properties of the waste reduced or removed and the mobility of leachate constituents reduced or eliminated.

The BLM will be contacted prior to testing the cuttings of our first well so the BLM may witness the testing procedures.

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

- B. Trash, waste paper, and other garbage will be contained in a fenced trash cage and hauled to a commercial disposal site.
 - C. Salts that are not used in the drilling fluid will be removed from the location by the supplier.
 - D. Sewage from the trailer houses will be disposed of in a manner meeting the Rio Blanco County Regulations, as under the guidance of Colorado Water Quality Control Commission, Department of Public Health and Environment. Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion and as needed the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion and as needed the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility.
 - E. Chemicals that are not used in the drilling and completion of the well will be removed from the location by the supplier.
 - F. Drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for back filling. Water produced during tests will be disposed of in the reserve pit as per Onshore Order 7. Oil produced during tests will be stored in test tanks until sold, at which time it will be hauled from the site. In the event fluids in the pit do not evaporate in a reasonable time, the fluids will be hauled to a state approved disposal site or will be mechanically evaporated.
 - G. The reserve pit will be fenced on three sides with a 4-strand barbed or woven wire fence during drilling and on the fourth side after the rig is released.
8. **ANCILLARY FACILITIES:** No camps, airstrips, etc. will be constructed.
9. **WELL SITE LAYOUT:**
- A. Sheet 2 of 5 (scale 1" = 100') shows proposed well site layout.
 - B. All equipment and vehicles will be confined to the access road and pad area outlined in sheets 2 and 4.
 - C. Mud pits in the active circulation system will be steel pits. The reserve pit may be lined with an impermeable liner if needed to hold fluid.
 - D. If snow is encountered, the snow will be removed before construction begins or the topsoil is disturbed and placed downhill of the proposed topsoil stockpile.
 - E. All available topsoil will be stripped on well locations and access roads, prior to construction, and stockpiled for use in reclamation of the site. Topsoil stockpile will be clearly segregated from any spoil pile and placed where it can be easily retrieved without impact to natural features.
10. **RESTORATION OF SURFACE:**
- A. Upon completion of the operation and disposal of trash and debris as prescribed above, pits will be backfilled and re contoured as soon as practical after they have dried.
 - B. Unneeded disturbed surfaces remaining after completion to the surface production facilities will be shaped to match the surrounding terrain and seeded as specified by the BLM.

SURFACE USE PLAN
Exxon Mobil Corporation
Wild Horse 197-3A1

- C. When the well is abandoned, ExxonMobil will rehabilitate the road and location as per BLM specifications.
- D. Re vegetation of the drill pad will comply with BLM specifications.
- E. Rehabilitation operations will start in a timely manner following the completion of operations, typically the following construction season.

11. SURFACE OWNERSHIP:

- A. Surface ownership is Bureau of Land Management.

12. OTHER INFORMATION:

- A. The access road and location are in Map unit 73 which is Rentsac Channery loam on 5-50% slopes which is a well drained moderately deep soil underlain by calcareous sandstones. Vegetation is mainly pinyon, juniper, Indian Ricegrass, Mountain Mahogany, bitterbrush, sagebrush and Prairie Junegrass.
- B. An archaeological investigation and report will be prepared for the proposed access road and wellsite by Archaeological-Environmental Research Corporation, and submitted to the BLM.
- C. The nearest stream is Piceance Creek which is approximately 1 mile to the SE.
- D. Total surface disturbance is estimated as 4.3 acres for the well pad.
- E. Completed wells on this pad will continue to produce during drilling operations per Exxon Mobil Simultaneous Operations Guidelines.

13. OPERATORS REPRESENTATIVE & CERTIFICATION:

A field representative who can be contacted concerning compliance of this Surface Use Plan is

Before and During Construction

Gary Chastain
28 Kerry Road
Midland, Texas
Phone 915-661-9751

CERTIFICATION: I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by ExxonMobil Oil Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U. S. C. 1001 for the filing of a false statement.


Date 3/29/06
Signature 
Allen McCorvey – Projects Group Supervisor

EXHIBIT "C"

SCOPE OF WORK

Wild Horse 197-3A1 Wellsite Facilities

Production Facilities

Exxon Mobil Corporation plans to construct facilities required to support production from the Wild Horse 197-3A1. The facilities will be constructed according to ASME B31.3, ASME B31.4, or ASME B31.8, whichever is applicable. One production facility will be constructed for tubing production. Production will come from the Mesa Verde section of the reservoir.

Mesa Verde:

The proposed facilities will consist of a three (3) inch underground flowline from the wellhead to a 3-Phase Separator. A meter-run will be installed on the separator skid. Gas from this sales measurement unit will flow into a four (4) inch buried flowline. The flowline will follow the proposed ROW to a tie-in point on the existing Little Hills gas gathering line in Section 15, Township 1 South, Range 97 West where it will tie into the high pressure gathering systems (See the flowline description below and the attached topographic map). Condensate from the separator will flow through a meter in the separator skid and into a two (2) inch buried line to a 400 bbl. steel condensate tank. Condensate from the tank will be truck hauled as tank gauging indicates. Produced water from the separator will flow through a meter in the separator skid and into a two (2) inch below ground line to two (2) 400 bbl steel water tanks. Produced water will be truck hauled to a permitted disposal well as required. The condensate and produced water tanks will be enclosed within a manufactured containment system designed to hold 110% of the largest tank.

Flowlines

Downstream of the production separator, gas will flow through a 4" line leaving the pad. This four (4) inch flowline will then be tied into an existing tie-in point on the existing Little Hills gas gathering line in Section 15, Township 1 South, Range 97 West. All production liquids will remain on Wildhorse 197-3A1 wellsite until trucked for sales. The steel flowline will be constructed according to ASME piping code B31.8, and will comply fully with the most recent addition of BLM: Surface Operating Standards For Oil and Gas Exploration and Development. See the attached topographic map and routing description for further information.

Trenching

Exxon Mobil Corporation will stake the location of the proposed flowlines and will arrange for flagging or other identification of existing pipelines, cables, or other buried utilities prior to construction. The flowline will have a minimum clearance of 24 inches from any other line and will be laid under if required. Burial depth will be range from 3' to 5' depending on location and frost depth. Trench width will be approximately 48 inches.

Excavated Materials

Top-soil – Top-soil will be rolled to one side of the trench and will be kept within the existing ROW. Top soil will be kept separate from the spoil.

Spoil – The spoil will be placed between the topsoil and the trench. Spoil will be kept separate from the topsoil.

Construction

Work Area – Pipeline construction ROW shall be limited to 50 feet and will take advantage of existing ROW and roads whenever possible.

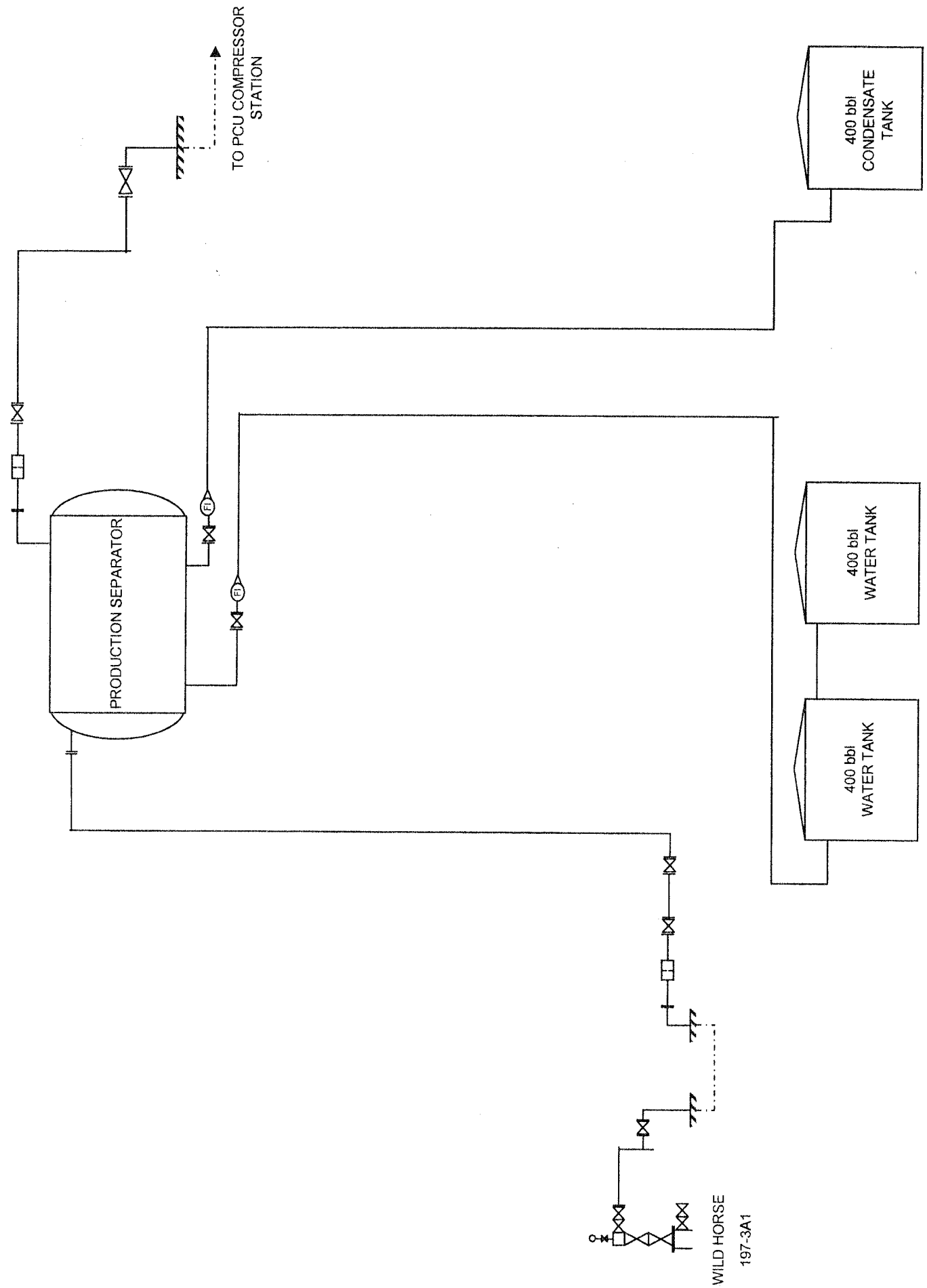
Staging Areas – The equipment staging area will be located on existing production locations near the construction site.

Backfill – Spoil shall be placed in the lower part of the trench to within 1½ feet of the trench top. This will then be compacted with 2 passes from a rubber tired tractor. The remaining spoil will be put into the trench followed by a single wheel compaction. The topsoil will then be placed in the trench and compacted by rolling in a similar manner to the spoil compaction. The backfill and compaction process will be such that upon completion an 8 inch crown above the natural grade will exist.

Reclamation

Waterbreaks - Waterbreaks will be constructed per Figure 10 (Corrected Diagram) found on page 34 of the document BLM: Surface Operating Standards For Oil and Gas Exploration and Development

Revegetation - The revegetation process will occur according to BLM standard reseeding practices.



WILD HORSE
197-3A1

TO PCU COMPRESSOR
STATION

PRODUCTION SEPARATOR

400 bbl
CONDENSATE
TANK

400 bbl
WATER TANK

400 bbl
WATER TANK

Additional explanation of local process:

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: Fee State Federal Indian

The Surface Owner is: is the mineral owner beneath the location.

(check all that apply) is committed to an Oil and Gas Lease.

has signed the Oil and Gas Lease.

is the applicant.

The Mineral Owner beneath this Oil and Gas Location is: Fee State Federal Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes

The right to construct the Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

Total Acres in Described Lease: 2528 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # COC061713

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: _____ Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 5280 Feet

Building Unit: 5280 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 4400 Feet

Above Ground Utility: 5280 Feet

Railroad: 5280 Feet

Property Line: 3542 Feet

School Facility: 5280 Feet

School Property Line: 5280 Feet

Child Care Center: 5280 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, Designated Outside Activity Area, School Facility, and Child Care Center – as defined in 100 Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: Buffer Zone Exception Zone Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SPACING and UNIT INFORMATION

Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: _____ Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary _____ Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): REV NORTH PICEA Unit Number: 077039X

SPACING & FORMATIONS COMMENTS

If this Form 2 is associated with a Drilling and Spacing Unit application, provide docket number: _____

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
------------------------	----------------	-------------------------	-------------------------------	--------------------------------------

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DRILLING PROGRAM

Proposed Total Measured Depth: 22085 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: _____ Feet No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

Will salt based (>15,000 ppm Cl) drilling fluids be used? Yes

Will oil based drilling fluids be used? No

BOP Equipment Type: Annular Preventor Double Ram Rotating Head None

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Commercial Disposal

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Other

Other Disposal Description:

Offsite Commercial Disposal and/or Onsite Beneficial Reuse for cuttings that meet COGCC table 910-1 standards.

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24+0/0	20+0/0	.45	0	120	100	120	0
SURF	17+1/2	13+3/8	68	0	4950	1720	4950	0
1ST	12+1/4	9+5/8	40	0	11000	1040	11000	4450
2ND	8+3/4	7+0/0	32	0	12258	220	12258	10500
2ND LINER	6+0/0	4+1/2	15.1	10800	22085	380	22085	10800

Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- Rule 318A.a. Exception Location (GWA Windows).
- Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

- Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

OTHER LOCATION EXCEPTIONS

Check all that apply:

- Rule 318.c. Exception Location from Rule or Spacing Order Number _____
- Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 285060

Is this application being submitted with an Oil and Gas Location Assessment application? _____

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: ALICE YAUGER

Title: PERMITTING ANALYST Date: _____ Email: ALICE_YAUGER@XTOENER

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: _____ Director of COGCC Date: _____

Expiration Date: _____

API NUMBER
05

Conditions Of Approval

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

COA Type

Description

--	--

Best Management Practices

No BMP/COA Type

Description

1	Construction	<p>-A Field Wide Stormwater Management Plan (SWMP) for the Piceance Creek Program is on file at the XTO Energy Inc.(21459 CR5, Rifle, CO, 81650) office. A Site Specific SWMP including a Site Plan is in place for this location.</p> <p>-Spill Prevention, Control and Countermeasures (SPCC) for the Piceance Creek Program is on file at the XTO Energy Inc. (21459 CR5, Rifle, CO, 81650) office. The Field Wide and Site Specific SWMPs each address SPCC during construction operations.</p> <p>-Inspections of the project site and maintenance of installed BMP's shall be conducted in accordance with the CDPHE CDPS permit and field wide plan.</p>
2	Drilling/Completion Operations	Open-hole Resistivity Log with Gamma Ray Log will be run from the kick-off point into the surface casing. A Cement Bond Log with Gamma-Ray will be run on production casing, or on intermediate casing if a production liner is run. The horizontal portion of the wellbore will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, will list all logs run and have those logs attached.

Total: 2 comment(s)

Attachment Check List

Att Doc Num

Name

402111623	DIRECTIONAL DATA
-----------	------------------

Total Attach: 1 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)

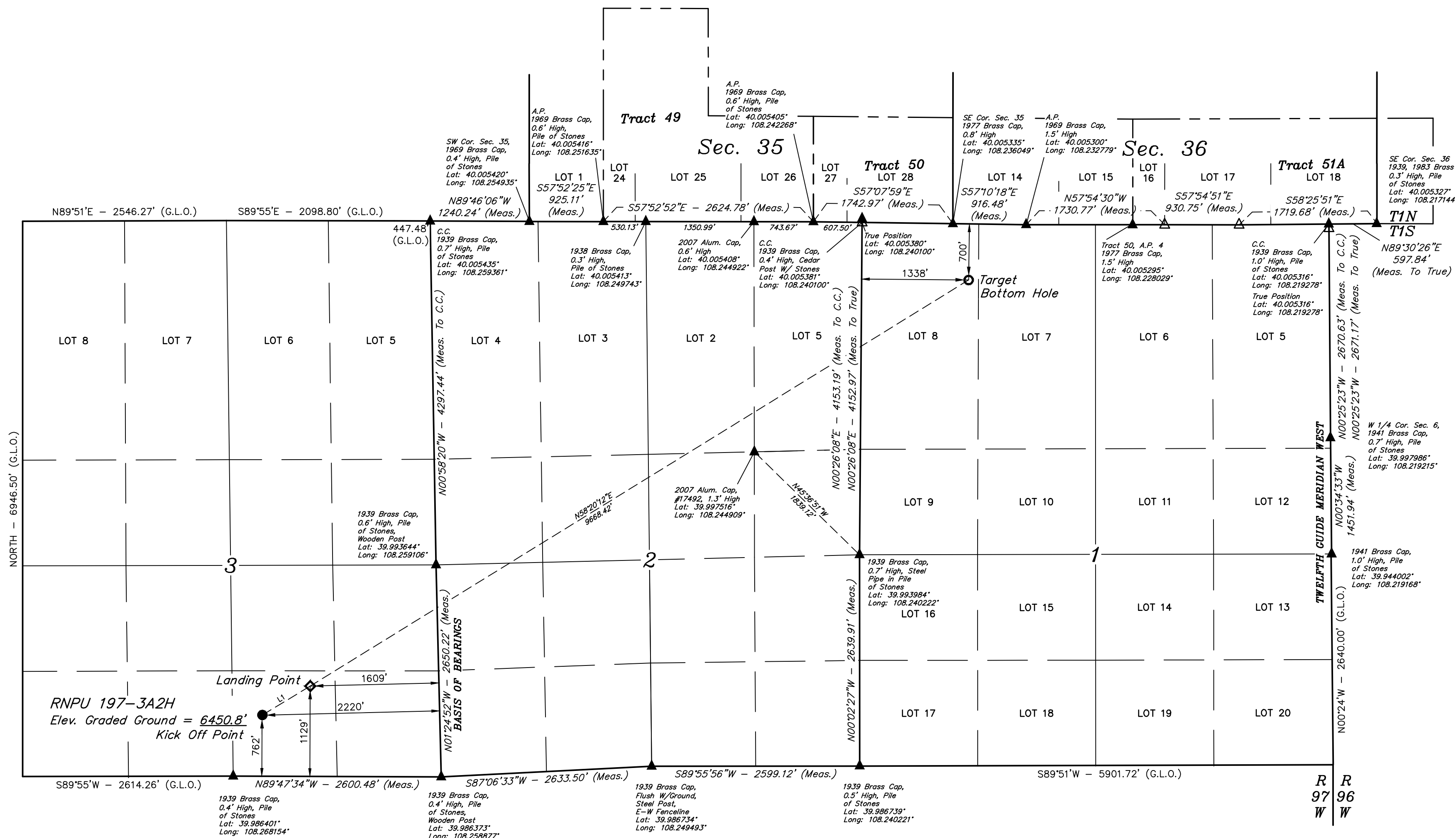
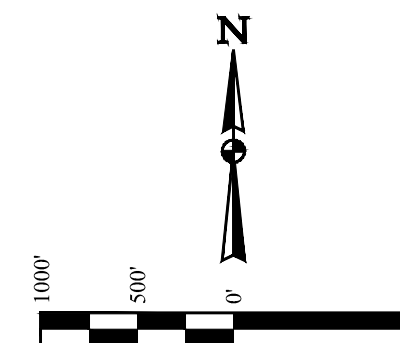
Public Comments

No public comments were received on this application during the comment period.

RNP 197-3A2H
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO

BASIS OF BEARINGS
BEARINGS ARE BASED ON THE ASSUMPTION THAT THE WEST LINE OF THE SOUTHWEST 1/4 OF SECTION 2 BEARS N01°24'52"W.

BASIS OF ELEVATION
BASIS OF ELEVATION IS MAGNOLIA TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 9, T2S, R06W, 6th P.M. REPORTED FROM THE NATIONAL GEODETIC SURVEY AS BEING 7529 FEET (NAVD 88). WE MEASURED IT TO BE 7526.2'



NOTE:
WELLBORE DATA PROVIDED BY XTO ENERGY, INC. & ROTATED TO MATCH PREVIOUS WELLBORE ORIENTATION.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N58°48'24"E	703.71'

CERTIFICATE OF REGISTRATION
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE LOCATION HAS BEEN STAKED ON THE GROUND AS SHOWN ON THE PLAT AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 3854
STATE OF COLORADO 97-22-19

- LEGEND:**
- = PROPOSED WELLHEAD/KICK OFF POINT.
 - = LANDING POINT.
 - = TARGET BOTTOM HOLE.
 - △ = SECTION CORNERS LOCATED. (NAD 83)
 - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.) (NAD 83)

NOTE:
Distances referenced on plat to section lines are perpendicular.

REV: 7 07-22-19 C.VIE (BOTTOM HOLE MOVE & REMOVE LEASE DATA) PDOP = 1.8

NAD 83 (SURFACE LOCATION)	NAD 83 (KICK OFF POINT)	NAD 83 (LANDING POINT)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 39°59'18.56" (39.988490)	LATITUDE = 39°59'18.56" (39.988490)	LATITUDE = 39°59'22.16" (39.988489)	LATITUDE = 40°00'12.26" (40.003406)
LONGITUDE = 108°16'00.72" (108.266866)	LONGITUDE = 108°16'00.72" (108.266866)	LONGITUDE = 108°15'52.98" (108.264718)	LONGITUDE = 108°14'07.25" (108.235347)
NAD 27 (SURFACE LOCATION)	NAD 27 (KICK OFF POINT)	NAD 27 (LANDING POINT)	NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 39°59'18.67" (39.988518)	LATITUDE = 39°59'18.67" (39.988518)	LATITUDE = 39°59'22.26" (39.988518)	LATITUDE = 40°00'12.37" (40.003435)
LONGITUDE = 108°15'58.41" (108.266224)	LONGITUDE = 108°15'58.41" (108.266224)	LONGITUDE = 108°15'50.67" (108.264076)	LONGITUDE = 108°14'04.94" (108.234706)
STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)
N: 1250748.22 E: 2224847.51	N: 1250748.22 E: 2224847.51	N: 1251093.43 E: 2225460.45	N: 1255905.33 E: 2233842.58
STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)
N: 250748.91 E: 1225007.36	N: 250748.91 E: 1225007.36	N: 251094.13 E: 1225620.29	N: 255906.03 E: 1234002.32

UETAH
ENGINEERING & LAND SURVEYING
Corporate Office: * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY DAYTON SLAUGH, D.P. 02-27-19 SCALE
DRAWN BY T.L.L. 03-01-19 1" = 1000'

WELL LOCATION PLAT

Company: XTO Energy, Inc.
 Well Name: RNPU 197-3A2H
 County: Rio Blanco, CO (Nad 83)
 Rig: Permit
 Wellbore: OWB_Permit
 Plan: Rev A0
 Created By: Kansa Becker
 Date: 15:55, June 12 2019

PROJECT DETAILS: Rio Blanco, CO (Nad 83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level
 Job:

WELL DETAILS: RNPU 197-3A2H

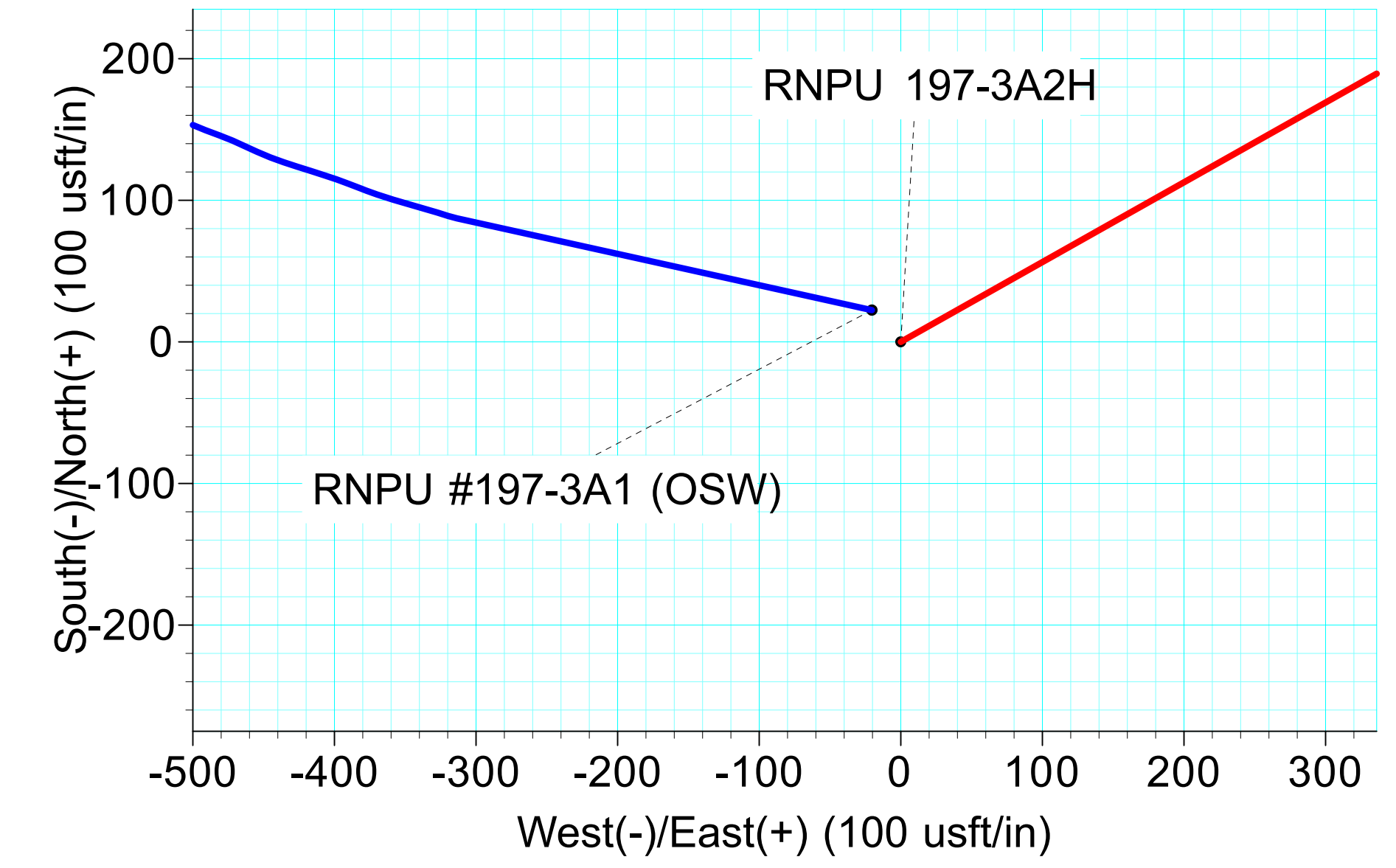
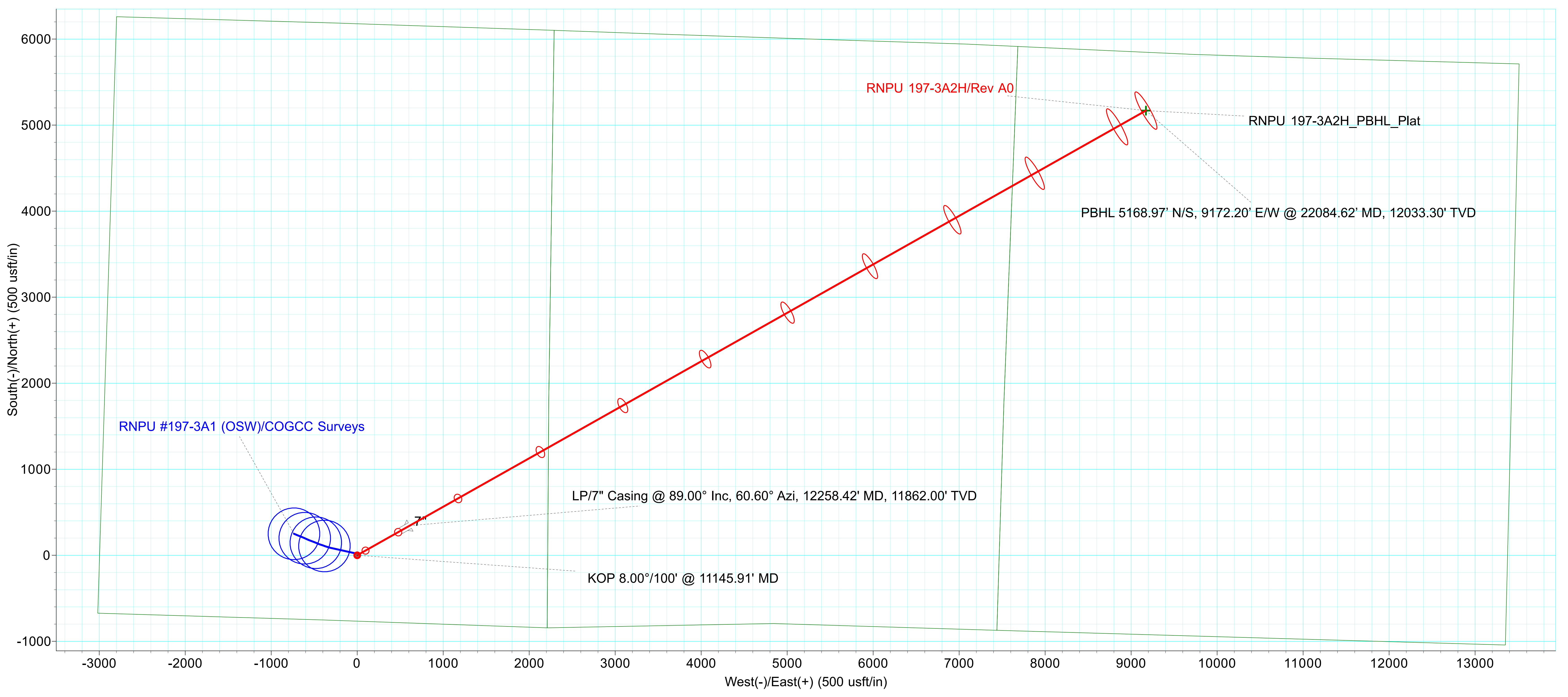
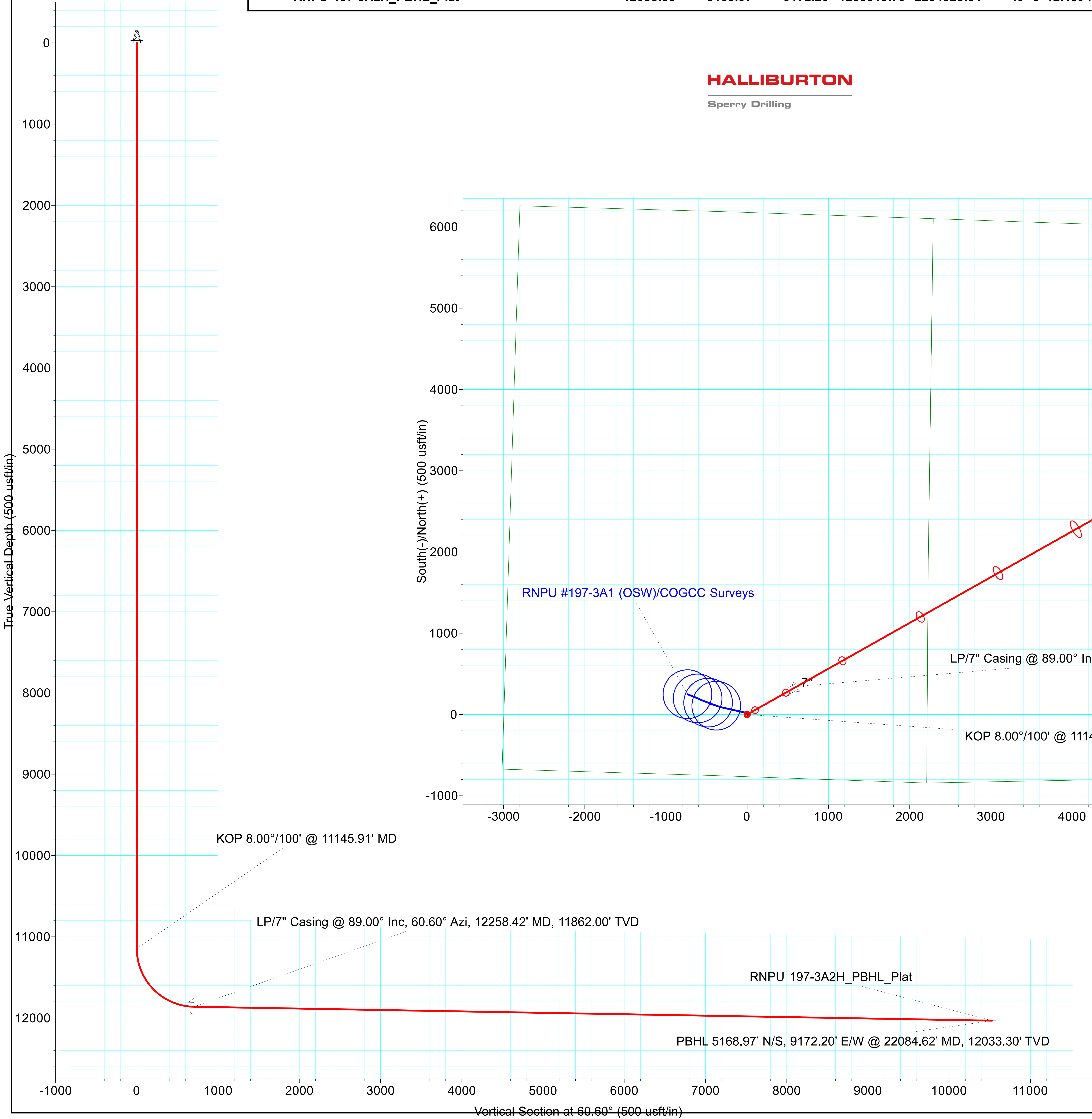
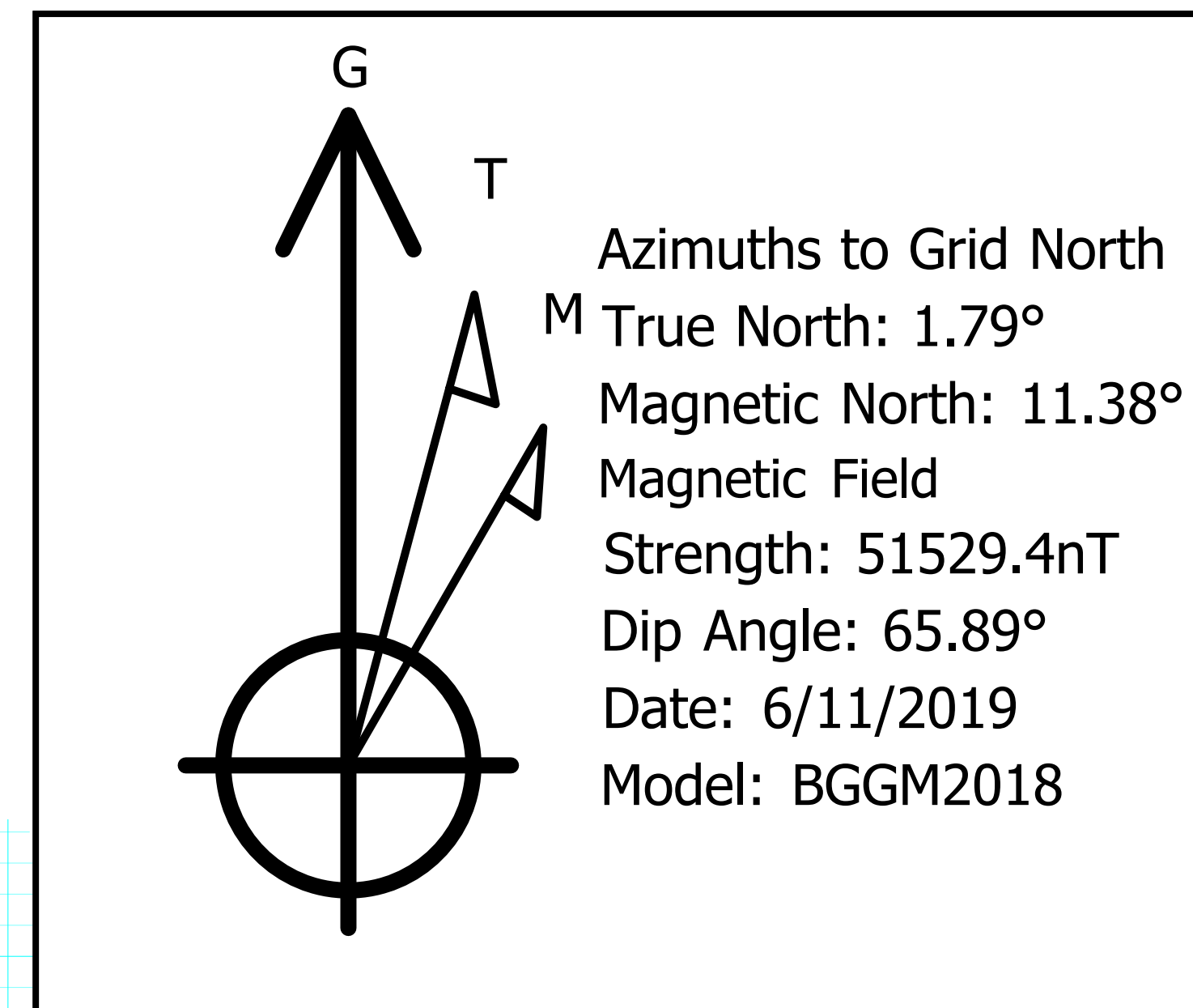
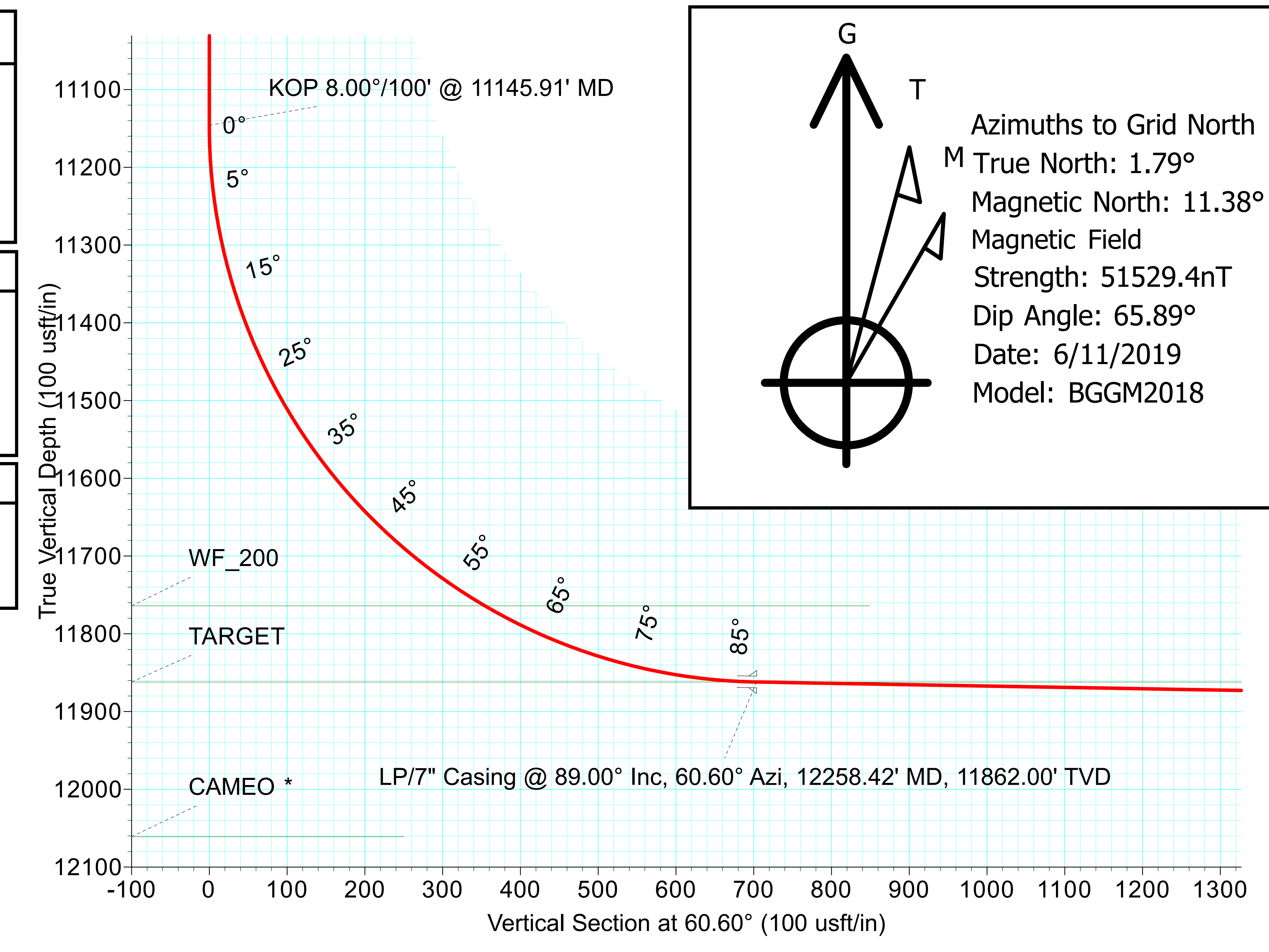
KB = 28' @ 6478.00usft (Permit) 6450.00
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1250750.82 2224851.31 39° 59' 18.590 N 108° 16' 0.670 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SHL: 766' FSL 2216' FEL
2	11145.91	0.00	0.00	11145.91	0.00	0.00	0.00	0.00	0.00	KOP 8.00°/100' @ 11145.91' MD
3	12258.42	89.00	60.60	11862.00	345.49	613.06	8.00	60.60	703.71	LP/7" Casing @ 89.00° Inc, 60.60° Azi, 12258.42' MD, 11862.00' TVD
4	22084.62	89.00	60.60	12033.30	5168.97	9172.20	0.00	0.00	10528.41	PBHL 5168.97' N/S, 9172.20' E/W @ 22084.62' MD, 12033.30' TVD

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
RNPU 197-3A2H_PBHL_Plat	12033.30	5168.97	9172.20	1255919.79	2234023.51	40° 0' 12.460 N	108° 14' 4.930 W



FORMATION TOP DETAILS

Formation	MDPath	TVDPath
R6	1496.00	1496.00
R4	2143.00	2143.00
GARDEN_GULCH	2684.00	2684.00
WASATCH_A	3262.00	3262.00
WASATCH_C	4485.00	4485.00
WASATCH_G	6151.00	6151.00
FT_UNION	6529.00	6529.00
OHIO_CREEK *	8054.00	8054.00
WF_700	8785.00	8785.00
WF_500	9407.00	9407.00
WF_400	10065.00	10065.00
WF_300	10715.00	10715.00
WF_200	11891.62	11764.00
TARGET	12258.51	11862.00

FORM
2A

Rev
08/19

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

402144616

Date Received:

Oil and Gas Location Assessment

New Location Refile Amend Existing Location Location#: 316551

This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location Assessment will allow for the construction of the below specified Location; however, it does not supersede any land use rules applied by the local land use authority. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

316551

Expiration Date:

This location assessment is included as part of a permit application.

CONSULTATION

- This location is included in a Comprehensive Drilling Plan. CDP # _____
- This location is in a sensitive wildlife habitat area.
- This location is in a wildlife restricted surface occupancy area.
- This location includes a Rule 306.d.(1)A.ii. variance request.

Operator

Operator Number: 100264
 Name: XTO ENERGY INC
 Address: 110 W 7TH STREET
 City: FORTH WORTH State: TX Zip: 76102

Contact Information

Name: ALICE YAUGER
 Phone: (817) 378-5312
 Fax: ()
 email: ALICE_YAUGER@XTOENERGY.COM

FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID (Rule 706): 20100210 Gas Facility Surety ID (Rule 711): _____
- Waste Management Surety ID (Rule 704): _____

LOCATION IDENTIFICATION

Name: RNPU Number: 197-3A
 County: RIO BLANCO
 Quarter: SWSE Section: 3 Township: 1S Range: 97W Meridian: 6 Ground Elevation: 6451

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 762 feet FSL from North or South section line
2220 feet FEL from East or West section line

Latitude: 39.988490 Longitude: -108.266866
 PDOP Reading: 1.8 Date of Measurement: 02/27/2019
 Instrument Operator's Name: DAYTON SLAUGH, D.P.

LOCAL GOVERNMENT INFORMATION

County: RIO BLANCO Municipality: N/A

Per § 34-60-106 (1)(f)(I)(A), the following questions pertain to the "local government with jurisdiction to approve the siting of the proposed oil and gas location."

The local government with jurisdiction is: County _____

Does the local government with jurisdiction regulate the siting of Oil and Gas Locations, with respect to this COGCC application? If the local government has waived its right to precede the COGCC in siting determination, indicate by selecting "NO" here and selecting "Waived" below. Yes No

If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The local government siting permit type is: _____

The local government siting permit was filed on: _____

The disposition of the application filed with the local government is: _____

Additional explanation of local process:

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is: **LOCATION ID #** _____ **FORM 2A DOC #** _____

FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	2	Oil Tanks*	_____	Condensate Tanks*	2	Water Tanks*	2	Buried Produced Water Vaults*	_____
Drilling Pits	_____	Production Pits*	_____	Special Purpose Pits	_____	Multi-Well Pits*	_____	Modular Large Volume Tanks	_____
Pump Jacks	_____	Separators*	2	Injection Pumps*	_____	Cavity Pumps*	_____	Gas Compressors*	_____
Gas or Diesel Motors*	_____	Electric Motors	_____	Electric Generators*	_____	Fuel Tanks*	_____	LACT Unit*	_____
Dehydrator Units*	_____	Vapor Recovery Unit*	_____	VOC Combustor*	_____	Flare*	1	Pigging Station*	_____

OTHER FACILITIES*

<u>Other Facility Type</u>	<u>Number</u>
GPU	1
Methanol Tanks	2
Sediment Trap	1

Those facilities indicated by an asterisk () shall be used to determine the distance from the Production Facility to the nearest cultural feature on the Cultural Setbacks Tab.

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

The existing four-inch (4") FlexSteel surface gas line running from the RNPU 197-3A location 39.988126, -108.268165 to the Little Hills tie-in at 39.986777, -108.255802 will be removed and replaced with a buried eight-inch (8") FlexSteel gas Line, (~4301 feet).

A new six-inch (6") FlexSteel Produced Water Line will begin at 39.9911402, -108.303482 and end at the existing Little Hills tie-in at 39.986777, -108.255802, ~3.23 miles (~17,079 Feet).

CONSTRUCTION

Date planned to commence construction: 08/01/2020 Size of disturbed area during construction in acres: 7.50
Estimated date that interim reclamation will begin: 10/01/2021 Size of location after interim reclamation in acres: 1.14
Estimated post-construction ground elevation: 6451

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H₂S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? Yes

Will oil based drilling fluids be used? No

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: Commercial Disposal

Cutting Disposal: OFFSITE Cuttings Disposal Method: Other

Other Disposal Description:

Offsite Commercial Disposal and/or Onsite Beneficial Reuse for cuttings that meet COGCC table 9.10-1 standards.

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: _____ or Document Number: _____

Centralized E&P Waste Management Facility ID, if applicable: _____

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: BLM

Phone: 970-878-3800

Address: 200 EAST MARKET STREET

Fax: _____

Address: WHITE RIVER FIELD OFFICE

Email: tperfors@blm.gov

City: MEEKER State: CO Zip: 81641

Surface Owner: Fee State Federal Indian

Check all that apply. The Surface Owner: is the mineral owner

is committed to an oil and Gas Lease

has signed the Oil and Gas Lease

is the applicant

The Mineral Owner beneath this Oil and Gas Location is: Fee State Federal Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes

The right to construct this Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

Date of Rule 306 surface owner consultation _____

If this Form 2A is associated with Drilling and Spacing Unit applications, list docket number(s) below:

1-229

CURRENT AND FUTURE LAND USE

Current Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP

Non-Crop Land: Rangeland Timber Recreational Other (describe): _____
Subdivided: Industrial Commercial Residential

Future Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP
Non-Crop Land: Rangeland Timber Recreational Other (describe): _____
Subdivided: Industrial Commercial Residential

CULTURAL DISTANCE INFORMATION

Provide the distance to the nearest cultural feature as measured from Wells or Production Facilities onsite.

	From WELL	From PRODUCTION FACILITY
Building:	5280 Feet	5280 Feet
Building Unit:	5280 Feet	5280 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	4400 Feet	4731 Feet
Above Ground Utility:	5280 Feet	5280 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	3542 Feet	3873 Feet
School Facility::	5280 Feet	5280 Feet
School Property Line:	5280 Feet	5280 Feet
Child Care Center:	5280 Feet	5280 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
 - Enter 5280 for distance greater than 1 mile.
 - Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
 - Building Unit, High Occupancy Building Unit, Designated Outside Activity Area, School Facility, and Child Care Center – as defined in 100 Series Rules.
 -For measurement purposes only, Production Facilities should only include those items with an asterisk(*) on the Facilities Tab.

SCHOOL SETBACK INFORMATION

Was Notice required under Rule 305.a.(4)? Yes No

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:

- Buffer Zone
 Exception Zone
 Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.
 - Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
 - Urban Mitigation Area - as defined in 100-Series Rules.
 - Large UMA Facility – as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

FOR MULTI-WELL PADS AND PRODUCTION FACILITIES WITHIN DESIGNATED SETBACK LOCATIONS ONLY:

- Check this box if this Oil and Gas Location has or will have Production Facilities that serve multiple wells (on or offsite) and the Production Facilities are proposed to be located less than 1,000 feet from a Building Unit. *(Pursuant to Rule 604.c.(2)E.i., the operator must evaluate alternative locations for the Production Facilities that are farther from the Building Unit, and determine whether those alternative locations were technically feasible and economically practicable for the same proposed development.)*
- By checking this box, I certify that no alternative placements for the Production Facilities, farther from the nearest Building Unit, were available based on the analysis conducted pursuant to Rule 604.c.(2)E.i.

In the space below, explain rationale for siting the multi-well Production Facility(ies) that supports your Rule 604.c.(2)E.i determination. Attach documentation that supports your determination to this Form 2A.

SOIL

List all soil map units that occur within the proposed location. attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.org/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 73—Rentsac channery loam, 5 to 50 percent slopes

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

PLANT COMMUNITY:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes No

Plant species from: NRCS or, field observation Date of observation: 05/20/2018

List individual species: Utah juniper and pinyon pine, big sagebrush, mountain mahogany, mountain snowberry, antelope bitterbrush, goldenweed, and cryptantha, rabbitbrush, black greasewood, shadscale, saltbush, chokecherry, winterfat, bluebunch wheatgrass, Indian ricegrass, etc.

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- Alpine (above timberline)
- Other (describe): _____

WATER RESOURCES

Is this a sensitive area: No Yes

Distance to nearest

downgradient surface water feature: 45 Feet

water well: 4645 Feet

Estimated depth to ground water at Oil and Gas Location 2318 Feet

Basis for depth to groundwater and sensitive area determination:

Is the location in a riparian area: No Yes

Was an Army Corps of Engineers Section 404 permit filed No Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No zone:

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: _____

Is the Location within a Floodplain? No Yes Floodplain Data Sources Reviewed (check all that apply)

Federal (FEMA)

State

County

Local

Other

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

WILDLIFE

This location is included in a Wildlife Mitigation Plan

This location was subject to a pre-consultation meeting with CPW held on 05/28/2019

Operator Proposed Wildlife BMPs

No	Target Species	BMP Type	Description
1	Deer and Elk	Wildlife - Avoidance	

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of a Building Unit) and is in an Urban Mitigation Area
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

RULE 502.b VARIANCE REQUEST

Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments Please consider this request to amend the existing location to accommodate the addition of a second well. The existing well, RNPU 197-3A1, is a vertical well and is currently producing. The new well, RNPU 197-3A2H, is planned as a horizontal drill.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: _____ Email: ALICE_YAUGER@XTOENERGY.COM

Print Name: ALICE YAUGER Title: PERMITTING ANALYST

Based on the information provided herein, this Oil and Gas Location Assessment complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: _____ Director of COGCC Date: _____

Conditions Of Approval

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

COA Type	Description

Best Management Practices

No	BMP/COA Type	Description
1	Construction	-A Field Wide Stormwater Management Plan (SWMP) for the Piceance Creek Program is on file at the XTO Energy Inc. (21459 CR5, Rifle, CO, 81650) office. A Site Specific SWMP including a Site Plan is in place for this location. -Spill Prevention, Control and Countermeasures (SPCC) for the Piceance Creek Program is on file at the XTO Energy Inc. (21459 CR5, Rifle, CO, 81650) office. The Field Wide and Site Specific SWMPs each address SPCC during construction operations. -Inspections of the project site and maintenance of installed BMP's shall be conducted in accordance with the CDPHE CDPS permit and field wide plan.
2	Drilling/Completion Operations	Open-hole Resistivity Log with Gamma Ray Log will be run from the kick-off point into the surface casing. A Cement Bond Log with Gamma-Ray will be run on production casing, or on intermediate casing if a production liner is run. The horizontal portion of the wellbore will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, will list all logs run and have those logs attached.

Total: 2 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402183303	NRCS MAP UNIT DESC
402183310	ACCESS ROAD MAP
402183312	ACCESS ROAD MAP
402183319	HYDROLOGY MAP
402183326	REFERENCE AREA MAP
402183335	REFERENCE AREA PICTURES
402183338	LOCATION PICTURES
402183343	CONST. LAYOUT DRAWINGS
402183349	FACILITY LAYOUT DRAWING
402183356	LOCATION DRAWING
402183384	MULTI-WELL PLAN

Total Attach: 11 Files

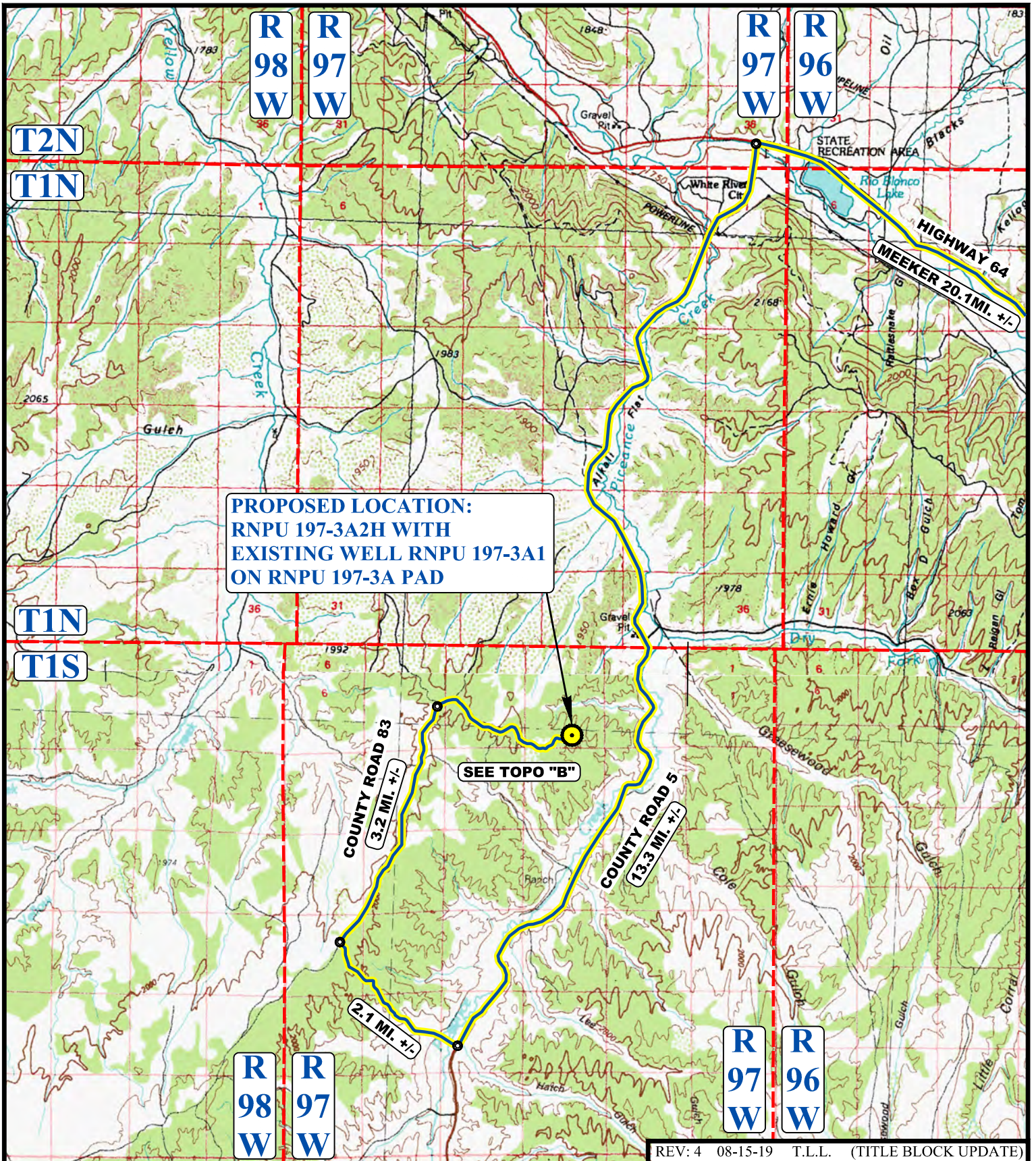
General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

Public Comments

No public comments were received on this application during the comment period.



**PROPOSED LOCATION:
RNPU 197-3A2H WITH
EXISTING WELL RNPU 197-3A1
ON RNPU 197-3A PAD**

SEE TOPO "B"

**COUNTY ROAD 83
3.2 MI. +/-**

**COUNTY ROAD 5
13.3 MI. +/-**

2.1 MI. +/-

REV: 4 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

LEGEND:

 **PROPOSED LOCATION**



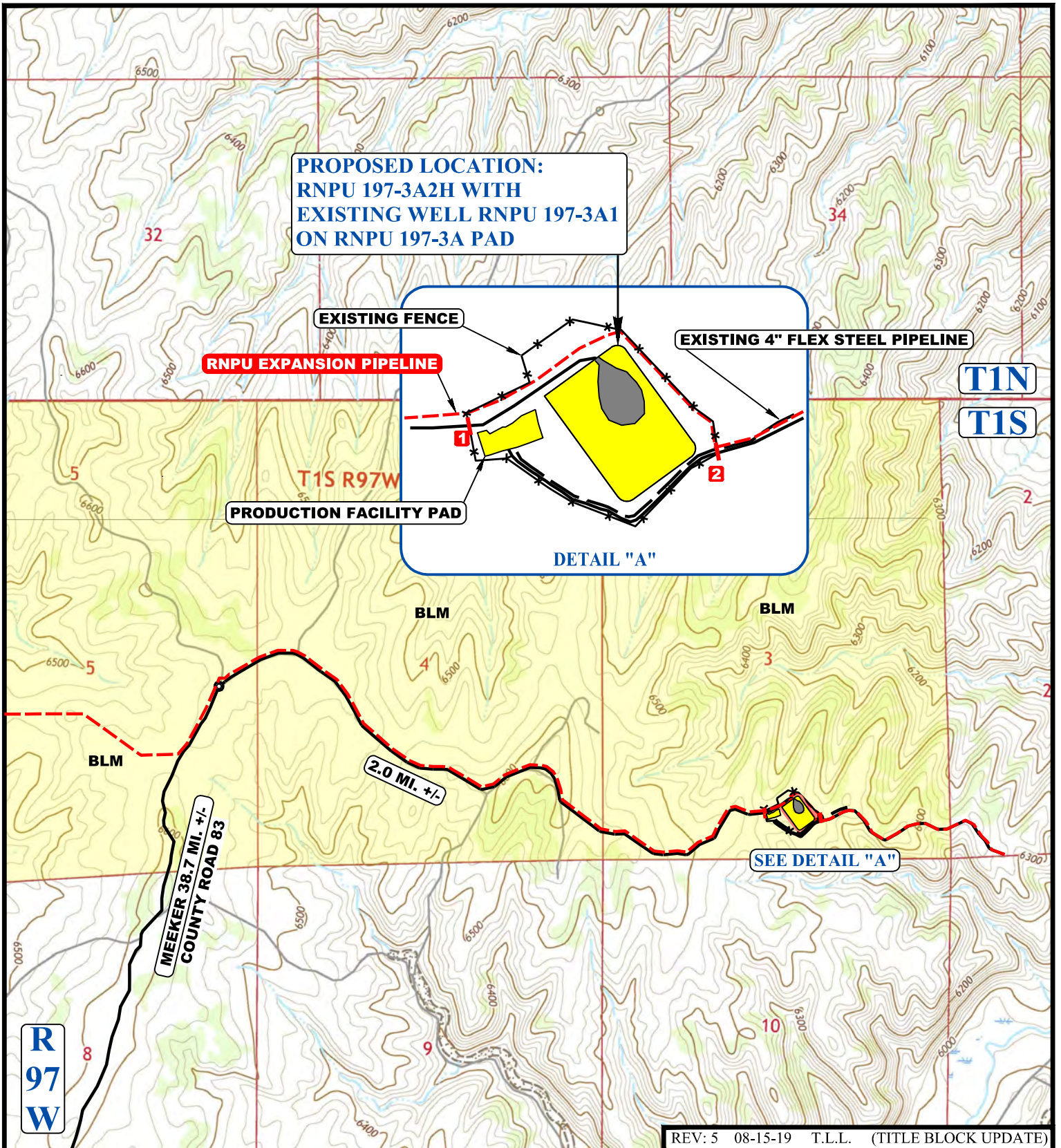
XTO ENERGY INC.

**PROPOSED RNPU 197-3A2H WITH EXISTING WELL
RNPU 197-3A1 ON RNPU 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY	D.S., D.P.	02-28-19	SCALE
DRAWN BY	A.A.	03-01-19	1 : 100,000
ACCESS ROAD MAP			TOPO A



REV: 5 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- PROPOSED ROAD
- EXISTING FENCE
- EXISTING POWER LINE
- RNPU EXPANSION PIPELINE
- EXISTING CATTLE GUARD
- EXISTING GATE



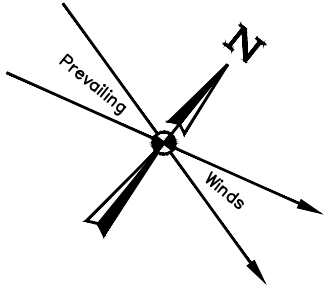
XTO ENERGY INC.

**PROPOSED RNPU 197-3A2H WITH EXISTING WELL
RNPU 197-3A1 ON RNPU 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	D.S., D.P.	02-28-19	SCALE
DRAWN BY	A.A.	03-01-19	1 : 24,000
ACCESS ROAD MAP			TOPO B



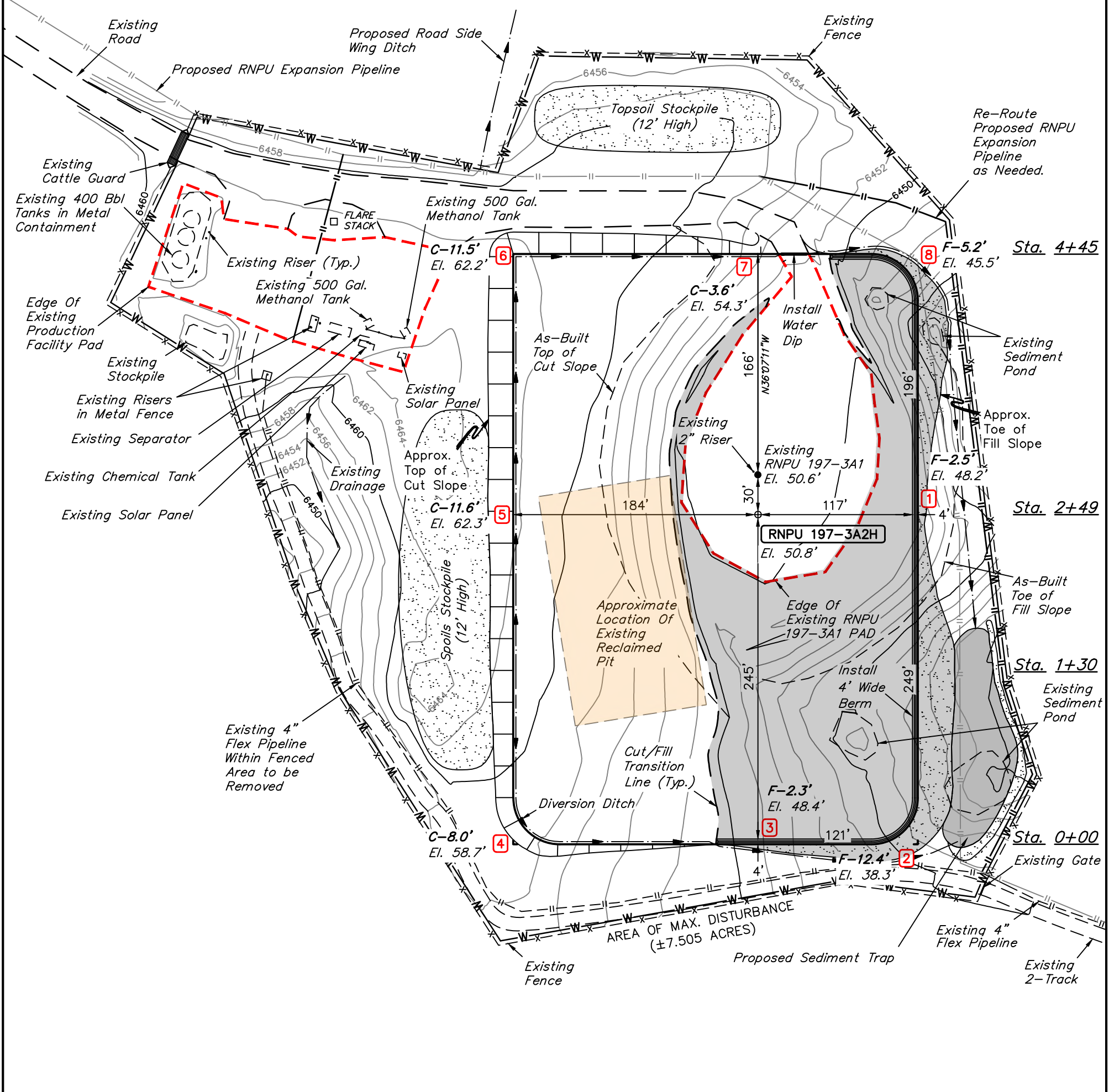
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING (NEW CONSTRUCTION ONLY)	2,430 Cu. Yds.
REMAINING LOCATION	16,800 Cu. Yds.
TOTAL CUT	19,230 Cu. Yds.
FILL	12,020 Cu. Yds.
EXCESS MATERIAL	7,210 Cu. Yds.
TOPSOIL	2,430 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	4,780 Cu. Yds.



SURFACE USE DISTURBANCE SUMMARY (SUDS)		
	Length (ft)	Approx. Acres of Disturbance
Well Pad (including cuts/fills)	N/A	±3.577
Topsoil & Spoils Stockpiles	N/A	±0.570
Existing Access Road Outside Fenced Area	±10,314'	N/A
Existing Access Road Inside Fenced Area	N/A	±0.334
Existing Production Facility Pad	N/A	±0.388
Existing RNP 197-3A1 Pad	N/A	±0.564
Remaining Area (In Fence)	N/A	±2.072
Total Acres of Disturbance		±7.505



SWMP LEGEND:
W - WATTLE

SWMP NOTE:
OWNER/OPERATOR IS RESPONSIBLE FOR SWMP. BMP DETAILS TO BE PROVIDED BY OTHERS. CONTACT ENGINEER FOR ANY DESIGN CHANGES TO STRUCTURAL BMP'S.

FINISHED GRADE ELEVATION = 6450.7'

REV: 6 08-22-19 T.L.L. (REMOVE WELLBORE)

- NOTES:**
- Flare stack is to be located a min. of 100' from the wellhead.
 - Round corners at 35' radius or as needed.
 - Construct diversion ditches as needed.
 - Contours shown at 2' intervals.
 - Cut/Fill slopes 1 1/2:1 (Typ. except where noted).
 - Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.



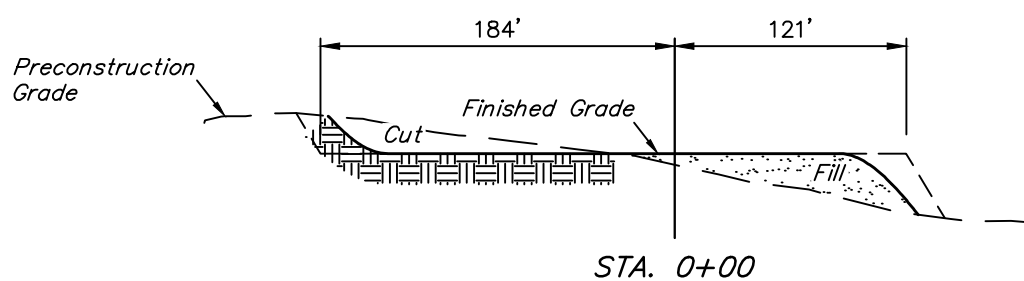
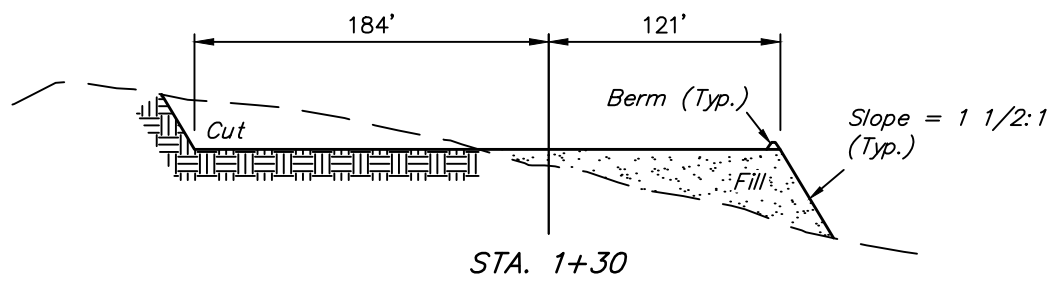
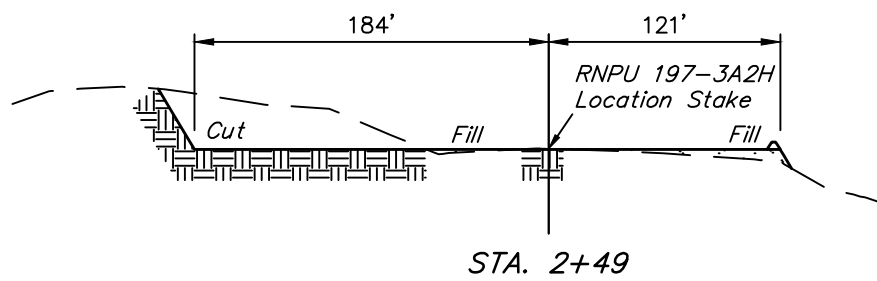
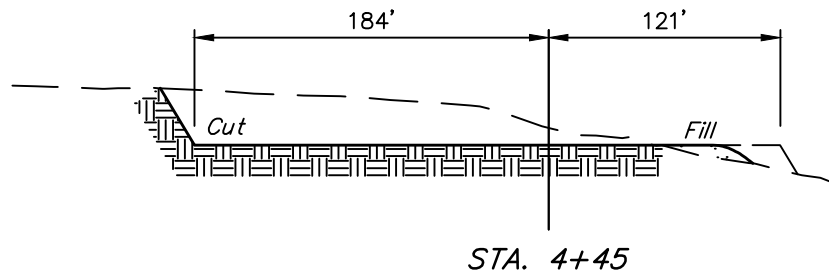
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PROPOSED RNP 197-3A2H WITH EXISTING WELL
RNP 197-3A1 ON RNP 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO

SURVEYED BY	DAYTON SLAUGH, D.P.	02-27-19	SCALE
DRAWN BY	T.L.L.	03-01-19	1" = 80'

CONSTRUCTION LAYOUT **FIGURE #1**

1" = 40'
 X-Section
 Scale
 1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING (NEW CONSTRUCTION ONLY)	2,430 Cu. Yds.
REMAINING LOCATION	16,800 Cu. Yds.
TOTAL CUT	19,230 Cu. Yds.
FILL	12,020 Cu. Yds.
EXCESS MATERIAL	7,210 Cu. Yds.
TOPSOIL	2,430 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	4,780 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE & PRODUCTION FACILITY PAD DISTURBANCE (FENCED AREA)	NA	±7.505
TOTAL SURFACE USE AREA		±7.505

REV: 3 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

NOTES:

- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.
- Cut/Fill slopes 1 1/2:1 (Typ. except where noted).

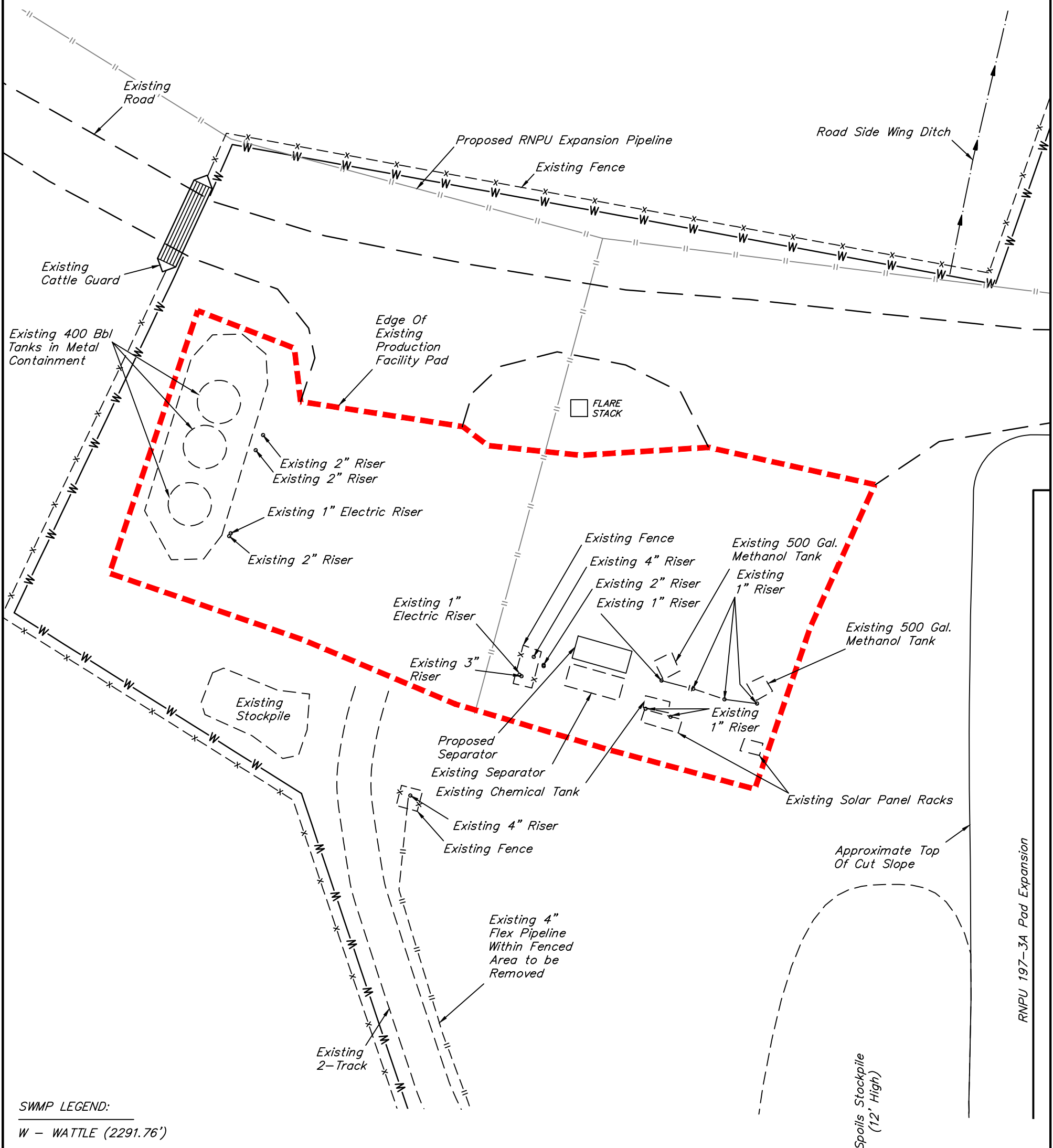
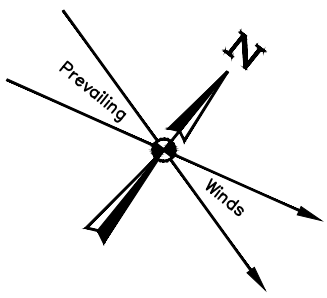
XTO ENERGY, INC.

**PROPOSED RNP 197-3A2H WITH EXISTING WELL
 RNP 197-3A1 ON RNP 197-3A PAD
 SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
 RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	DAYTON SLAUGH, D.P.	02-27-19	SCALE
DRAWN BY	T.L.L.	03-01-19	AS SHOWN
CONSTRUCTION LAYOUT CROSS SECTIONS			FIGURE #2



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SWMP LEGEND:
 W - WATTLE (2291.76')

REV: 1 08-22-19 T.L.L. (DRAWING NAME CHANGE)

XTO ENERGY, INC.

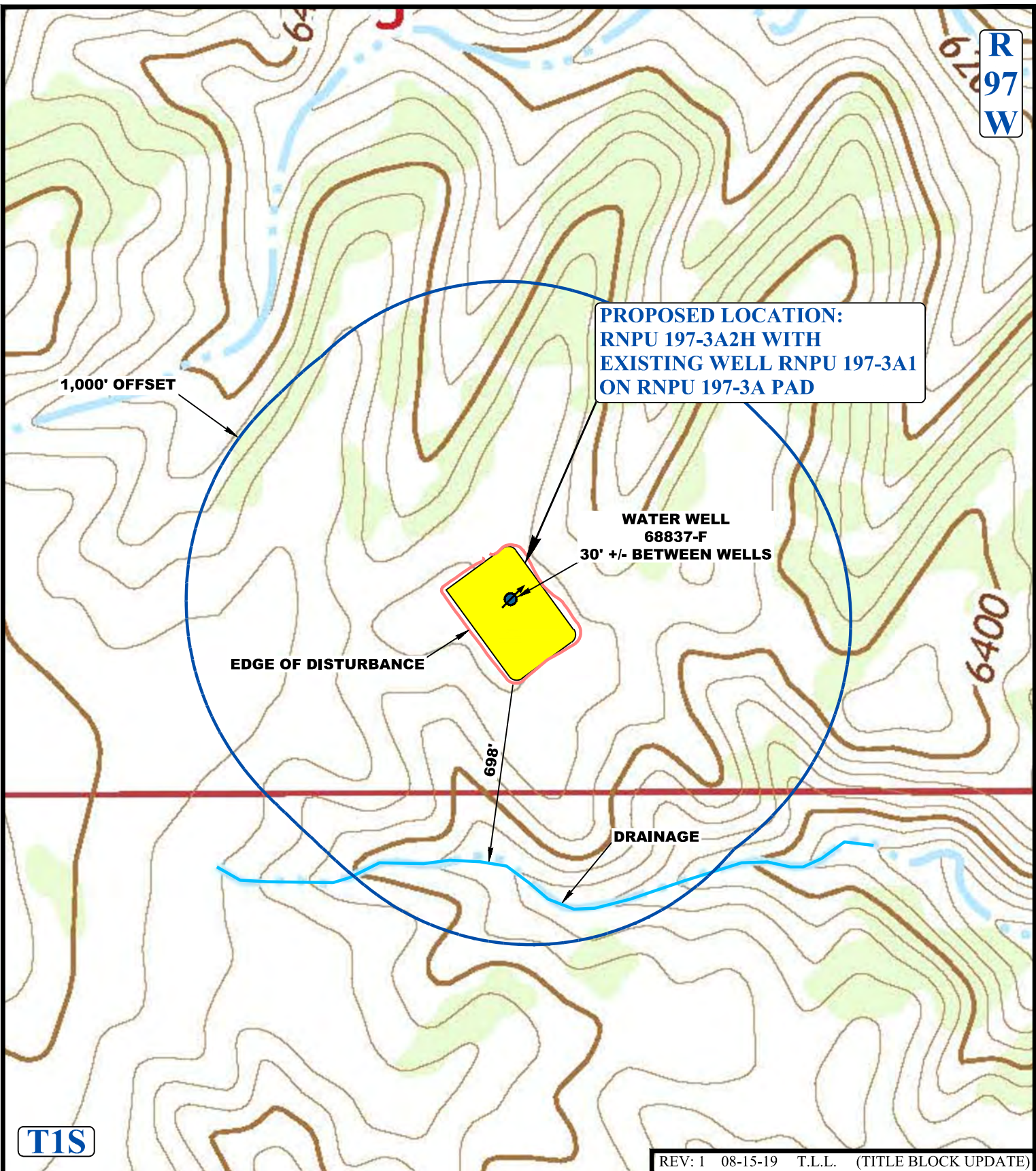
**PROPOSED RNPU 197-3A2H WITH EXISTING WELL
 RNPU 197-3A1 ON RNPU 197-3A PAD
 SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
 RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	DAYTON SLAUGH, D.P.	02-27-19	SCALE
DRAWN BY	T.L.L.	08-15-19	1" = 30'
FACILITY LAYOUT DRAWING		FIGURE #4A	



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R
97
W



T1S

REV: 1 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

LEGEND:

-  EXISTING DRAINAGE
-  1000' OFFSET BOUNDARY
-  EDGE OF DISTURBANCE
-  FLOOD PLAINS



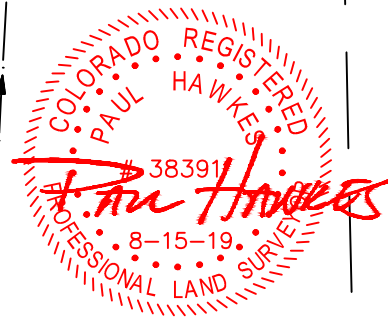
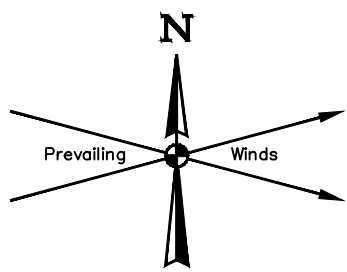
XTO ENERGY INC.

**PROPOSED RNPU 197-3A2H WITH EXISTING WELL
RNPU 197-3A1 ON RNPU 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**

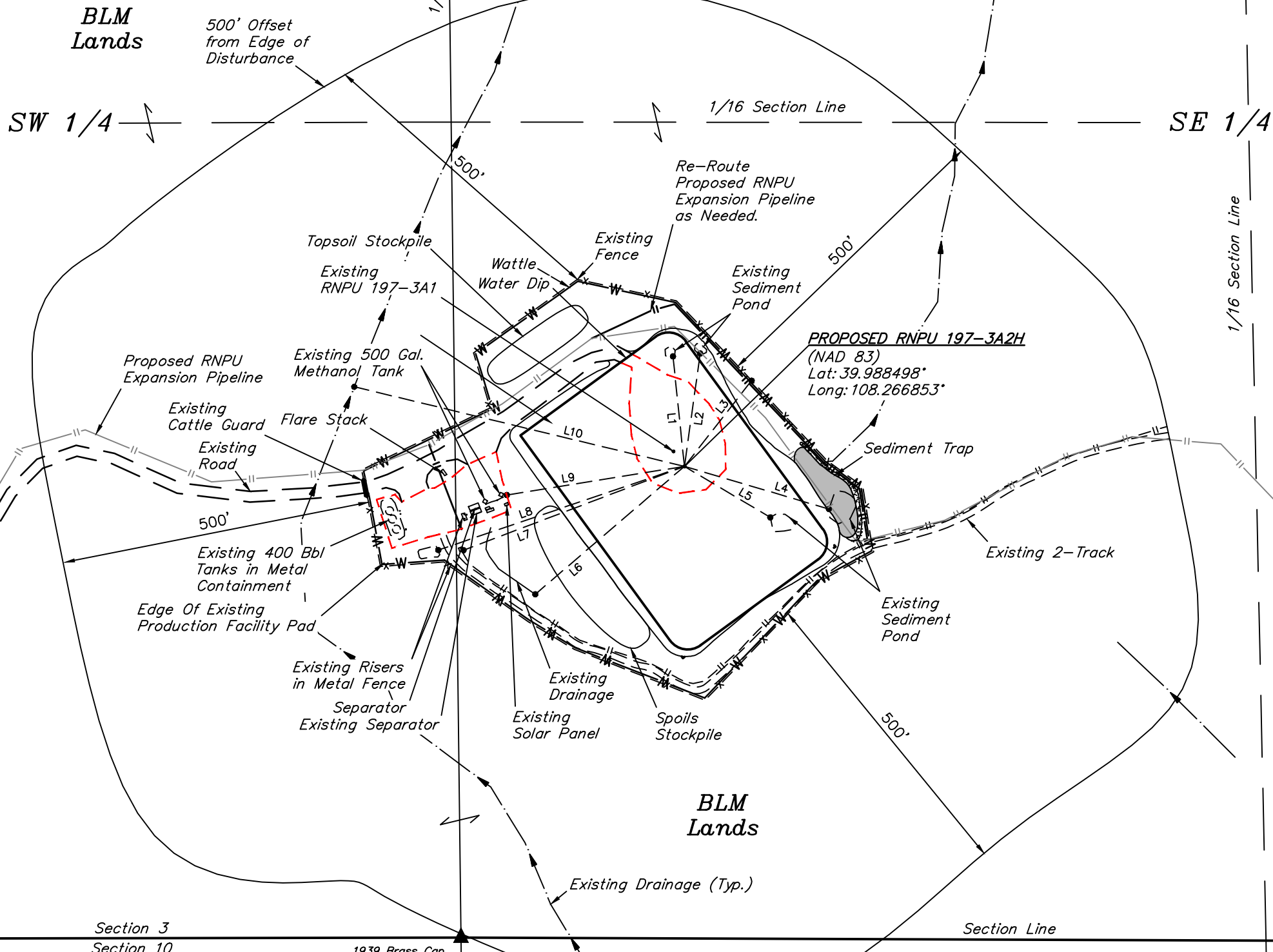
SURVEYED BY	D.S., D.P.	02-28-19	SCALE
DRAWN BY	A.A.	07-10-19	1 : 6,000
HYDROLOGY MAP			TOPO W



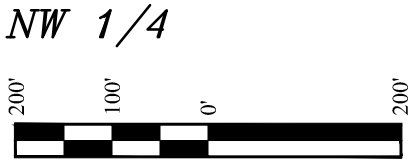
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Sec. 3



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N06°W	179'
L2	N08°E	184'
L3	N38°E	176'
L4	S74°E	243'
L5	S59°E	161'
L6	S49°W	317'
L7	S69°W	381'
L8	S71°W	420'
L9	S81°W	291'
L10	N76°W	548'



Sec. 10

REV: 2 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

PLANT COMMUNITY	
<input type="checkbox"/>	DISTURBED GRASSLAND
<input type="checkbox"/>	NATIVE GRASSLAND
<input type="checkbox"/>	SHRUB LAND
<input type="checkbox"/>	PLAINS RIPARIAN
<input checked="" type="checkbox"/>	MOUNTAIN RIPARIAN
<input type="checkbox"/>	FOREST LAND
<input type="checkbox"/>	WETLANDS AQUATIC
<input type="checkbox"/>	ALPINE
<input type="checkbox"/>	OTHER (Describe): _____

CURRENT LAND USE										
CROP LAND:	<input type="checkbox"/>	IRRIGATED	<input type="checkbox"/>	DRY LAND	<input type="checkbox"/>	IMPROVED PASTURE	<input type="checkbox"/>	HAY MEADOW	<input type="checkbox"/>	CRP
NON-CROP LAND:	<input checked="" type="checkbox"/>	RANGELAND	<input checked="" type="checkbox"/>	TIMBER	<input type="checkbox"/>	RECREATIONAL	<input type="checkbox"/>	OTHER (Describe)	_____	
SUBDIVIDED:	<input type="checkbox"/>	INDUSTRIAL	<input type="checkbox"/>	COMMERCIAL	<input type="checkbox"/>	RESIDENTIAL	_____			

FUTURE LAND USE										
CROP LAND:	<input type="checkbox"/>	IRRIGATED	<input type="checkbox"/>	DRY LAND	<input type="checkbox"/>	IMPROVED PASTURE	<input type="checkbox"/>	HAY MEADOW	<input type="checkbox"/>	CRP
NON-CROP LAND:	<input checked="" type="checkbox"/>	RANGELAND	<input checked="" type="checkbox"/>	TIMBER	<input type="checkbox"/>	RECREATIONAL	<input type="checkbox"/>	OTHER (Describe)	_____	
SUBDIVIDED:	<input type="checkbox"/>	INDUSTRIAL	<input type="checkbox"/>	COMMERCIAL	<input type="checkbox"/>	RESIDENTIAL	_____			



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RNP 197-3A1 ON RNP 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO

SURVEYED BY	DAYTON SLAUGH, D.P.	02-27-19	SCALE
DRAWN BY	T.L.L.	07-12-19	1" = 200'

LOCATION DRAWING **FIGURE #5**

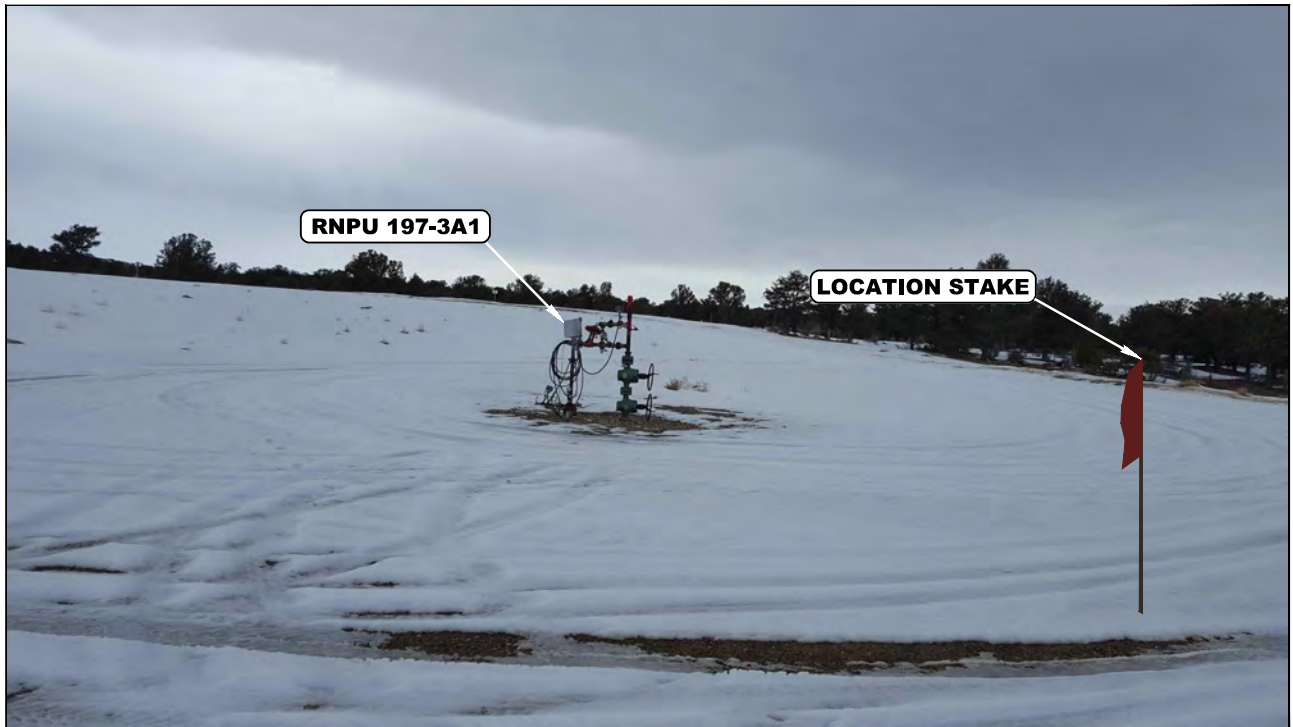


PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY

REV: 1 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

XTO ENERGY INC.

**PROPOSED RNPU 197-3A2H WITH EXISTING WELL
RNPU 197-3A1 ON RNPU 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**

TAKEN BY	D.S., D.P.	02-28-19	
DRAWN BY	A.A.	07-10-19	
LOCATION PHOTOS			PHOTO 1



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PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: NORTHERLY

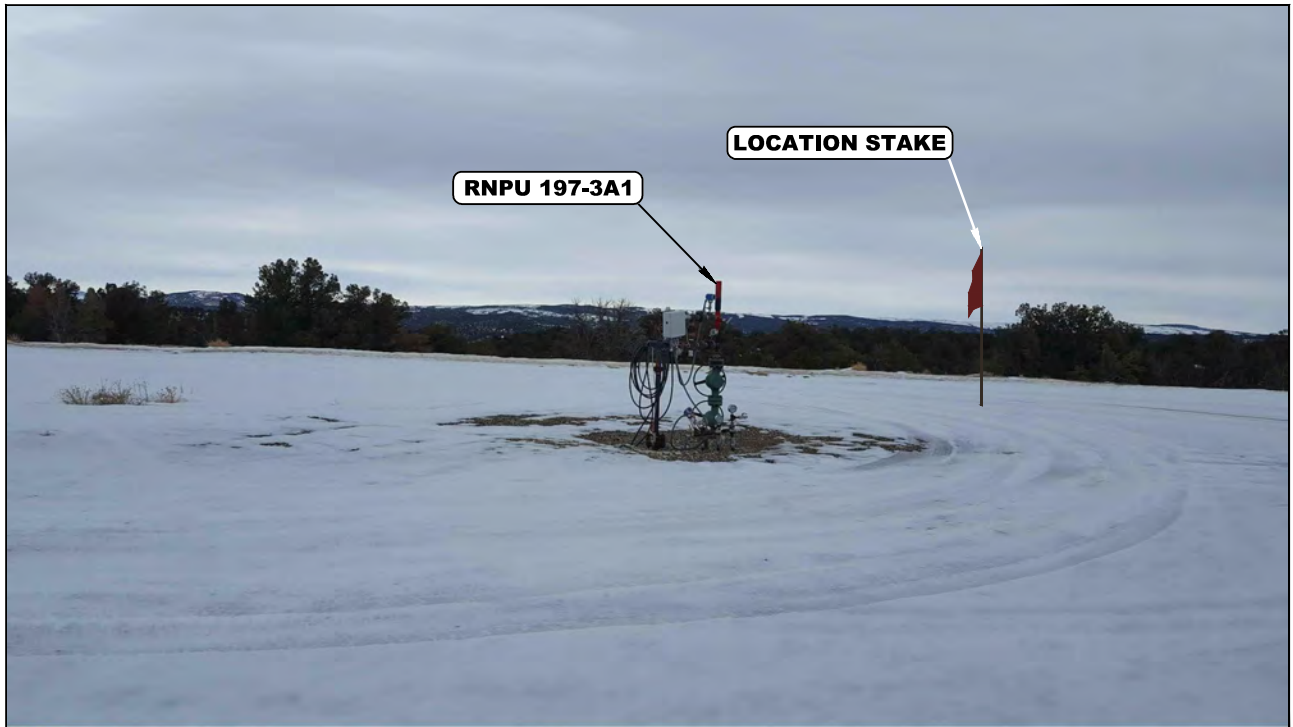


PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: EASTERLY

REV: 1 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

XTO ENERGY INC.

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RNPU 197-3A1 ON RNPU 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**

TAKEN BY	D.S., D.P.	02-28-19	
DRAWN BY	A.A.	07-10-19	

LOCATION PHOTOS

PHOTO 2



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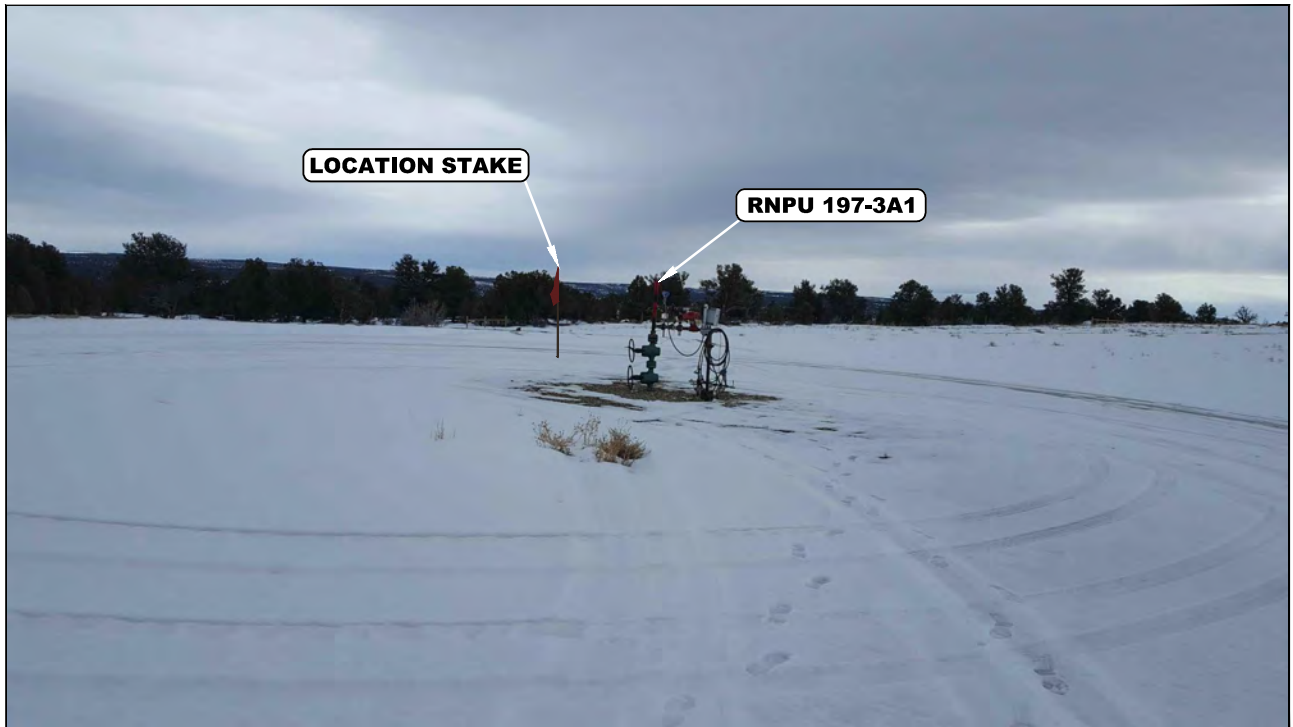


PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

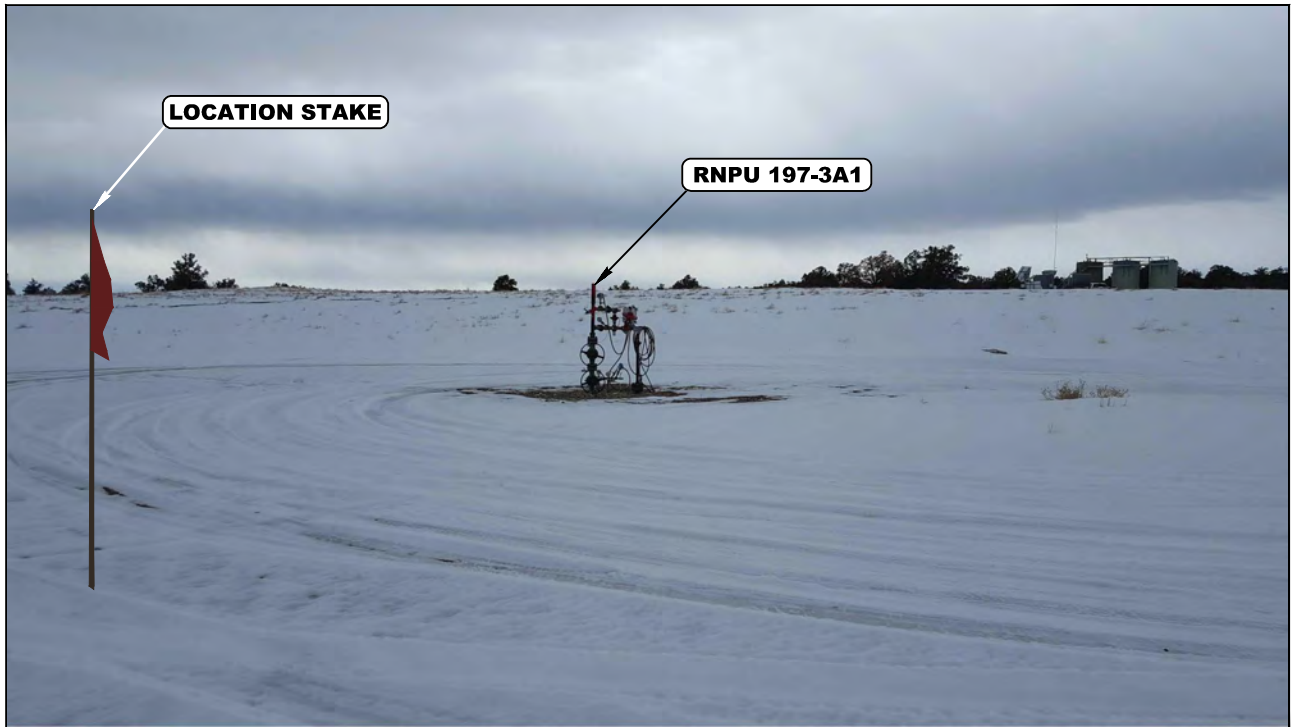


PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: WESTERLY

REV: 1 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

XTO ENERGY INC.

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SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**

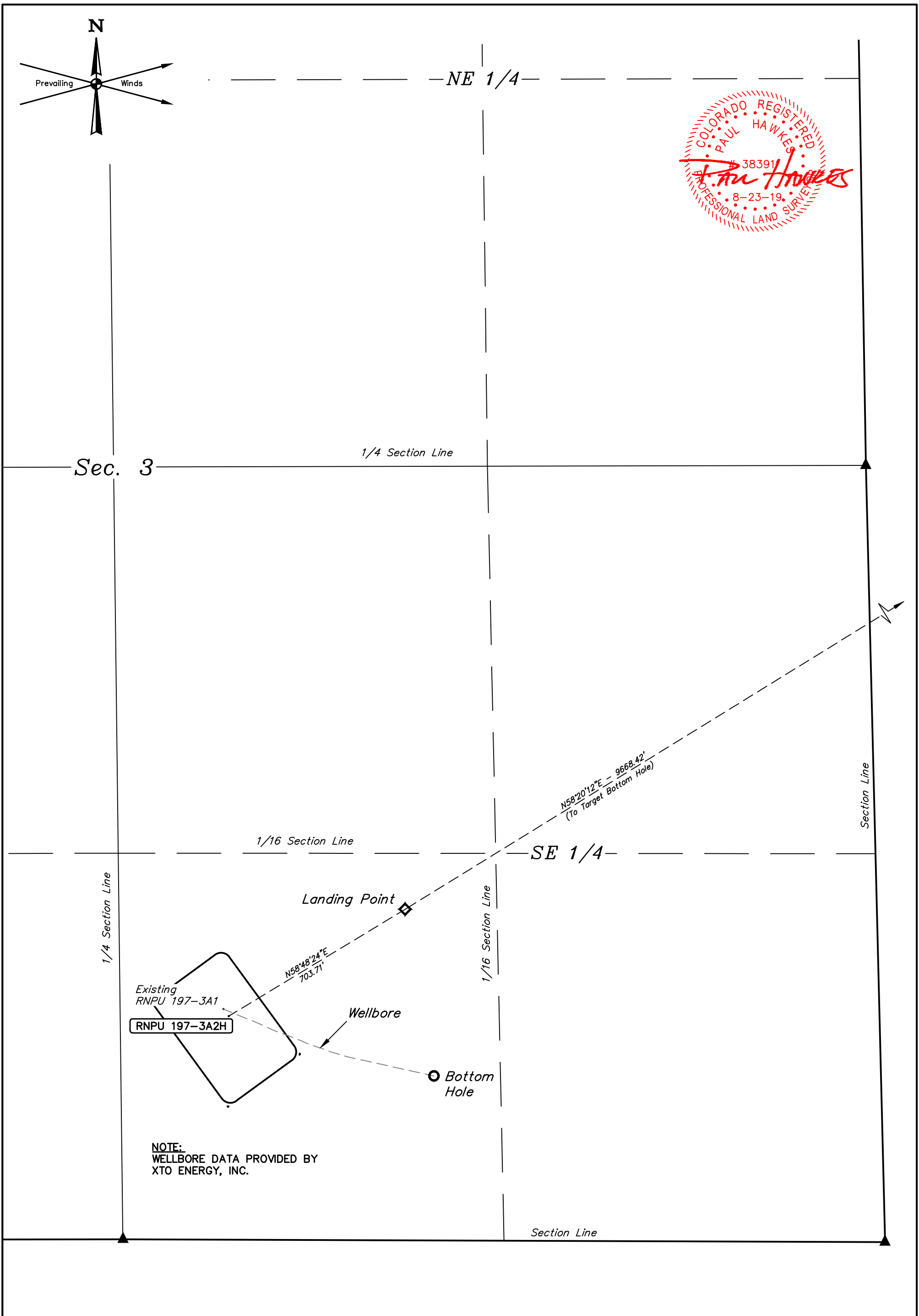
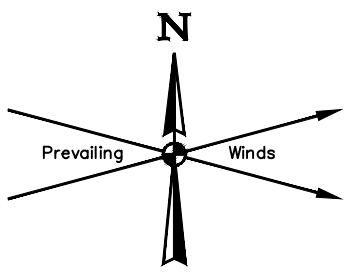
TAKEN BY	D.S., D.P.	02-28-19	
DRAWN BY	A.A.	07-10-19	

LOCATION PHOTOS

PHOTO 3



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Existing
RNPU 197-3A1
RNPU 197-3A2H

Landing Point

Wellbore

Bottom Hole

NOTE:
WELLBORE DATA PROVIDED BY
XTO ENERGY, INC.

XTO ENERGY, INC.

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RNPU 197-3A1 ON RNPU 197-3A PAD
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RIO BLANCO COUNTY, COLORADO**

SURVEYED BY	DAYTON SLAUGH, D.P.	02-27-19	SCALE
DRAWN BY	T.L.L.	08-22-19	1" = 300'

MULTI-Well PLAN

FIGURE #6



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Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named, soils that are similar to the named components, and some minor components that differ in use and management from the major soils.

Most of the soils similar to the major components have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Some minor components, however, have properties and behavior characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

Rio Blanco County Area, Colorado

73—Rentsac channery loam, 5 to 50 percent slopes

Map Unit Setting

National map unit symbol: jp64

Elevation: 6,000 to 7,600 feet

Mean annual precipitation: 14 to 18 inches

Mean annual air temperature: 42 to 45 degrees F

Frost-free period: 80 to 105 days

Farmland classification: Not prime farmland

Map Unit Composition

Rentsac and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rentsac

Setting

Landform: Ridges

Landform position (three-dimensional): Upper third of mountainflank

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Residuum weathered from calcareous sandstone

Typical profile

H1 - 0 to 5 inches: channery loam

H2 - 5 to 16 inches: extremely channery loam, extremely gravelly sandy loam, very flaggy loam

H2 - 5 to 16 inches: unweathered bedrock

H2 - 5 to 16 inches:

H3 - 16 to 20 inches:

Properties and qualities

Slope: 5 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: Pinyon-Juniper (F048AY909CO)

Hydric soil rating: No

Minor Components

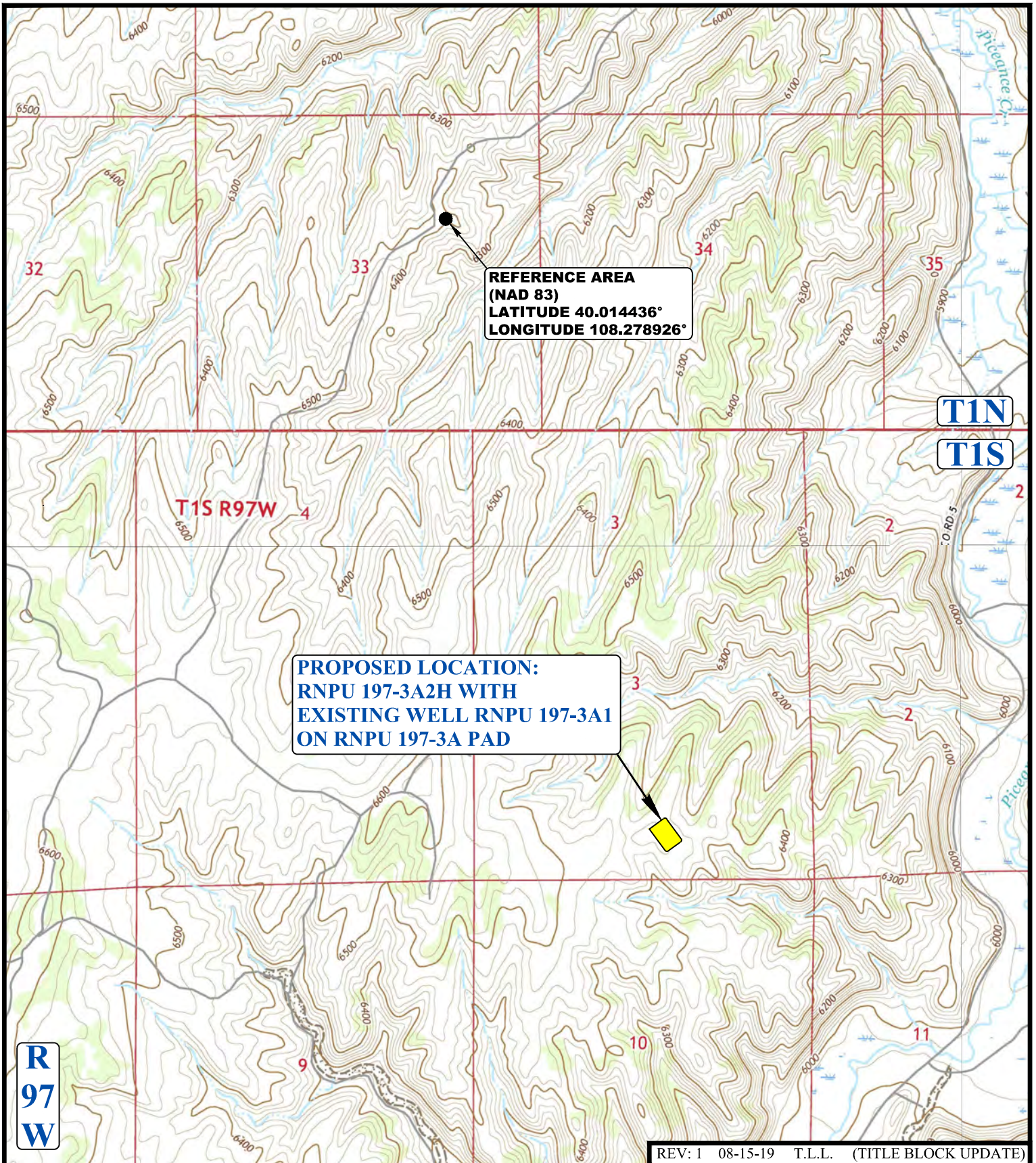
Other soils

Percent of map unit: 20 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Rio Blanco County Area, Colorado
Survey Area Data: Version 13, Sep 10, 2018



REV: 1 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

LEGEND:

XTO ENERGY INC.

**PROPOSED RNPU 197-3A2H WITH EXISTING WELL
RNPU 197-3A1 ON RNPU 197-3A PAD
SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**



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SURVEYED BY	D.S., D.P.	02-28-19	SCALE
DRAWN BY	A.A.	07-10-19	1 : 24,000
REFERENCE AREA MAP			REF TOPO



PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: EASTERLY

REV: 1 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

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**PROPOSED RNPU 197-3A2H WITH EXISTING WELL
 RNPU 197-3A1 ON RNPU 197-3A PAD
 SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
 RIO BLANCO COUNTY, COLORADO**

TAKEN BY	D.S., D.P.	02-28-19	
DRAWN BY	A.A.	07-10-19	

REFERENCE AREA PHOTOS REF 1



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PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: WESTERLY

REV: 1 08-15-19 T.L.L. (TITLE BLOCK UPDATE)

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SW 1/4 SE 1/4, SECTION 3, T1S, R97W, 6th P.M.
RIO BLANCO COUNTY, COLORADO**

TAKEN BY	D.S., D.P.	02-28-19	
DRAWN BY	A.A.	07-10-19	

REFERENCE AREA PHOTOS REF 2



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