Form 3160-3
(March 2012)

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
COC017189

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
COC054252

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
HUBER-CULHANE #2-32

2. Name of Operator XTO ENERGY INC

9. API Well No.

3a. Address 382 ROAD 3100
AZTEC, NM 87410

3b. Phone No. *(include area code)*
303-397-3727

10. Field and Pool, or Exploratory
IGNACIO BLANCO FRUITLAND COAL

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface 1503' FNL & 1703' FEL

At proposed prod. zone 1399' FNL & 2061' FEL, 660' FNL & 660' FWL (BHL - lower lateral)

11. Sec., T. R. M. or Blk. and Survey or Area
SWNE Sec. 32, T35N, R8W N.M.P.M

14. Distance in miles and direction from nearest town or post office*
Aprox 2.7 Mile Northeast of Durango, CO

12. County or Parish
LA PLATA

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
270'

16. No. of acres in lease
2443.24 (COC017189)
2240.01 (COC017211)

17. Spacing Unit dedicated to this well
N/2 320

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
1900'

19. Proposed Depth
4734' MD, 1866' TVD

20. BLM/BIA Bond No. on file
UTB000138

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
7019

22. Approximate date work will start*
09/01/2013

23. Estimated duration
30 days

24. Attachments

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

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

25. Signature Kelly K Kardos
Name *(Printed Typed)* Kelly K. Kardos
Date 07/23/2013

Title
Permitting Supervisor

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.

(Continued on page 2)

*(Instructions on page 2)

Form 3160-3
(March 2012)

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
COC017189

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
COC054252

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
HUBER-CULHANE #2-32

2. Name of Operator XTO ENERGY INC

9. API Well No.

3a. Address 382 ROAD 3100
AZTEC, NM 87410

3b. Phone No. *(include area code)*
303-397-3727

10. Field and Pool, or Exploratory
IGNACIO BLANCO FRUITLAND COAL

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface 1503' FNL & 1703' FEL

At proposed prod. zone 1406' FNL & 2074' FEL, 700' FNL & 660' FWL (BHL - upper lateral)

11. Sec., T. R. M. or Blk. and Survey or Area
SWNE Sec. 32, T35N, R8W N.M.P.M

14. Distance in miles and direction from nearest town or post office*
Aprox 2.7 Mile Northeast of Durango, CO

12. County or Parish
LA PLATA

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 270'

16. No. of acres in lease
2443.24 (COC017189)
2240.01 (COC017211)

17. Spacing Unit dedicated to this well
N/2 320

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1900'

19. Proposed Depth
4734' MD, 1866' TVD

20. BLM/BIA Bond No. on file
UTB000138

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
7019

22. Approximate date work will start*
09/01/2013

23. Estimated duration
30 days

24. Attachments

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

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

25. Signature Kelly K Kardos

Name *(Printed Typed)*
Kelly K. Kardos

Date
07/23/2013

Title
Permitting Supervisor

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.

(Continued on page 2)

*(Instructions on page 2)

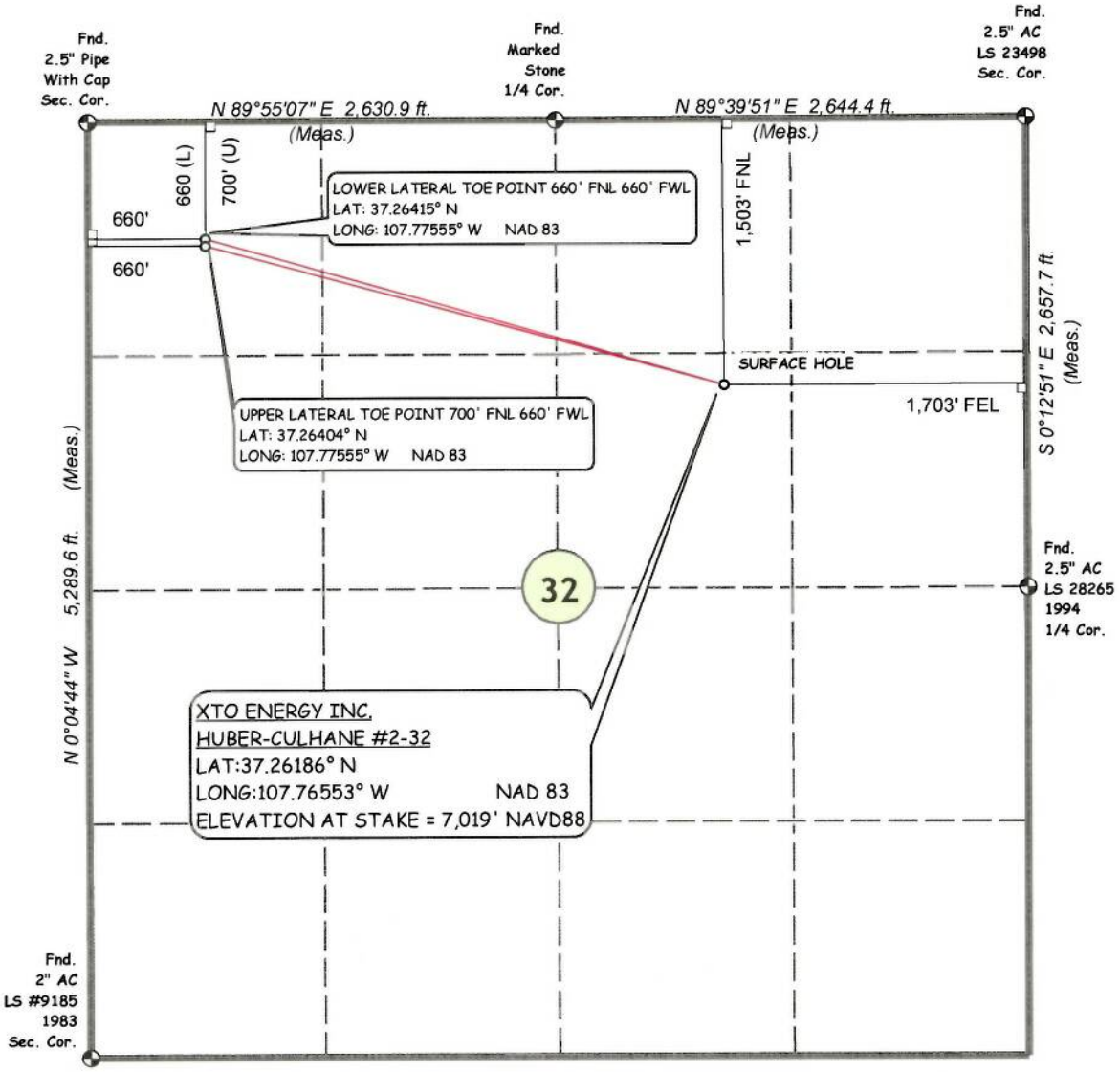
XTO ENERGY INC.
HUBER-CULHANE #2-32

1 inch equals 1,000 feet

0 500 1,000 Feet

N

SURFACE HOLE: 1,503' FNL, 1,703' FEL
SECTION 32, T-35-N, R-08-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO
LAT:37.26186° N LONG:107.76553° W NAD 83
ELEVATION AT STAKE = 7,019' NAVD88



NOTES:

1. SURFACE USE IS EXISTING WELL LOCATION AND GRAZING.
2. SEE ATTACHED ADDENDUM FOR IMPROVEMENTS, AND PROPERTY LINES WITHIN 400' OF PROPOSED WELL.
3. DATE OF SURVEY 22 Oct 2010.
4. BASIS OF ELEVATION = NAVD88 AS PREDICTED BY GEOID09.
5. PDOP OF GPS OBSERVATION OF WELL STAKE = 1.3
6. FOOTAGE DIMENSION FIELD MEASURED AT 90° FROM SECTION LINES.
7. BASIS OF BEARING: BETWEEN MONUMENTS FOUND AT THE SOUTHWEST CORNER AND THE NORTHWEST CORNER OF SECTION 32, T-35-N, R-08-W, N.M.P.M., COLORADO, LINE BEARS N0°04'44"W BY GPS MEASUREMENT.

LAT: 37°15.7112' N
LONG: 107°45.8945' W
NAD27

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

COLORADO REGISTERED DAVID ALEXANDER JOHNSON 33648 PROFESSIONAL LAND SURVEYOR 2013-02-04

DAVID ALEXANDER JOHNSON LICENSE NO. 33648 DATE
STATE OF COLORADO

XTO024_SD.MXD 2013_02_04

JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174
FARMINGTON NM 87499-2174
505-360-8029
ALEX@JOHNSONMAPPING.BIZ

XTO ENERGY INC.

Huber Culhane #2-32
APD Data
June 25, 2013

Surface Location: 1503' FNL x 1703' FEL, Sec 32, T35N, R08W **County**: La Plata **State**: Colorado

OBJECTIVE: Fruitland Coal Est KB ELEV: 7031' (12' AGL)
APPROX GR ELEV: 7019

1. MUD PROGRAM:

	Surface	Intermediate	Lower Lateral	Upper Lateral
INTERVAL	0' to 225'	225' to 2000'	1476' to TD	1406' to TD
HOLE SIZE	12.25"	8.75"	6.125"	6.125"
MUD TYPE	FW/Spud Mud	FW/Polymer	FW/ Polymer	FW/ Polymer
WEIGHT	8.6-9.0	8.4-9.2	8.4-8.6	8.4-8.6
VISCOSITY	28-32	28-36	28-36	28-36
WATER LOSS	NC	NC	NC	NC

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning.

2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at ± 225' in a 12-1/4" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll[1]	SF Burst[2]	SF Ten[3]
0'-225'	225'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	18.76	32.7	48.6

Intermediate Casing: 7" casing to be set at ±2000' MD, 2000' TVD in 8.75" hole filled with 9.20 ppg mud.
Bottomhole Location: 1503' FNL x 1703' FEL, Sec 32, T35N, R08W

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll[1]	SF Burst[2]	SF Ten[3]
0'-2000'	2000'	23.0#	J-55	ST&C	3270	4360	284	6.276	6.151	3.42	4.56	6.17

Lower Lateral Production Casing: 4.5" casing to be set at ±4734' MD, 1866' TVD in 6.125" hole filled with 8.4 ppg mud.
Bottomhole Location: 660' FNL x 660' FWL, Sec 32, T35N, R08W

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll[1]	SF Burst[2]	SF Ten[3]
1476'-4734'	3255'	10.5	J-55	ST&C	4010	4790	132	4.052	3.927	4.92	5.88	3.86

Upper Lateral Production Casing: 4.5" casing to be set at ±4707' MD, 1851' TVD in 6.125" hole filled with 8.4 ppg mud.
Bottomhole Location: 700' FNL x 660' FWL, Sec 32, T35N, R08W

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll[1]	SF Burst[2]	SF Ten[3]
1406'-4707'	3301'	10.5	J-55	ST&C	4010	4790	132	4.052	3.927	4.96	5.92	3.81

[1]Collapse SF is based on evacuated casing and hydrostatic at TVD.
[2]Burst SF is based on evacuated annulus and hydrostatic at TVD.
[3]Tensile SF is based on hanging air weight of casing in a vertical hole at measured depth.

3. WELLHEAD:

A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 8-5/8" 8rnd thread on bottom and 11-3/4" 8rnd thread on top.
B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 2,000 psig WP (4,000 psig test), 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

4. CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both surface and intermediate casing strings):

A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at ± 225' in 13-1/2" hole.

± **188** sx of Type V cement (or equivalent) typically containing accelerator and LCM, mixed at 15.8 ppg, 1.17 ft^3/sk, & 5.01 gal wtr/sk.

Total slurry volume is 220 ft^3, 100% excess of calculated annular volume to 225'.

B. Production Casing: 7", 23#/ft, J-55, ST&C casing to be set at ± 2000'MD, 2000' TVD in 8.75" hole.

LEAD:
± **102** sx of Type V (or equivalent) typically containing accelerator, LCM, dispersant, and fluid loss additives at 12.3 ppg, 2.36 ft^3/sk, & 12.95 gal wtr/sk.

TAIL:
± **100** sx of Type V or Class G cement typically containing accelerator, LCM, dispersant, and fluid loss additives at 13.5 ppg, 1.81 ft^3/sk, & 8.85 gal wtr/sk.

Total estimated slurry volume for the 7" production casing is 420 ft^3.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs (if available) plus 40%. It will be attempted to circulate cement to the surface.

C. Production Liners:

Lower Lateral: 4.5", 10.5#/ft, J-55, ST&C casing is to be set at 4734' MD, 1866' TVD in 6.125" hole.

Upper Lateral: 4.5", 10.5#/ft, J-55, ST&C casing is to be set at 4707' MD, 1851' TVD in 6.125" hole

Note: The production liners will be left uncemented using drop-off liners.

5. LOGGING PROGRAM:

A. Mud Logger: If requested by Fort Worth Geology, the mud logger will come on after setting surface casing and will remain on the hole until TD. The mud will be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP from Intermediate Hole TD (2000') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from Intermediate TD (2000') to the bottom of the surface csg. MWD Gamma Ray will be run in the Laterals.

C. Coring and Drill stem Testing: No operations are planned for this site

6. FORMATION TOPS:

Est. KB Elevation: 7031'

FORMATION	Sub-Sea	TVD
Nacimiento Formation	Surface	Surface
Animas Formation		
Ojo Alamo SS	6515	516
Kirtland Shale	6455	566
Farmington SS		
Fruitland Formation		
Upper Fruitland Coal	5635	1396
Middle Fruitland Coal**		
Pictured Cliffs Tongue		
Lower Fruitland Coal*	5194	1837
Pictured Cliffs SS	5060	1971

** Primary Objective* *** Secondary Objective*

**** Maximum anticipated BHP should be <1,100 psig *****

7. ANTICIPATED OIL, GAS, & WATER ZONES:

A.

Formation	Expected Fluids	Well Depth TVD
Nacimiento Formation	Water	
Animas Formation	Water	
Ojo Alamo SS	Water	516
Kirtland Shale	Water	566
Farmington SS	Water	
Fruitland Formation	Water	
Upper Fruitland Coal	Gas	1396
Middle Fruitland Coal	Gas	
Pictured Cliffs Tongue	Gas	
Lower Fruitland Coal	Gas	1837
Pictured Cliffs SS	Gas	1971

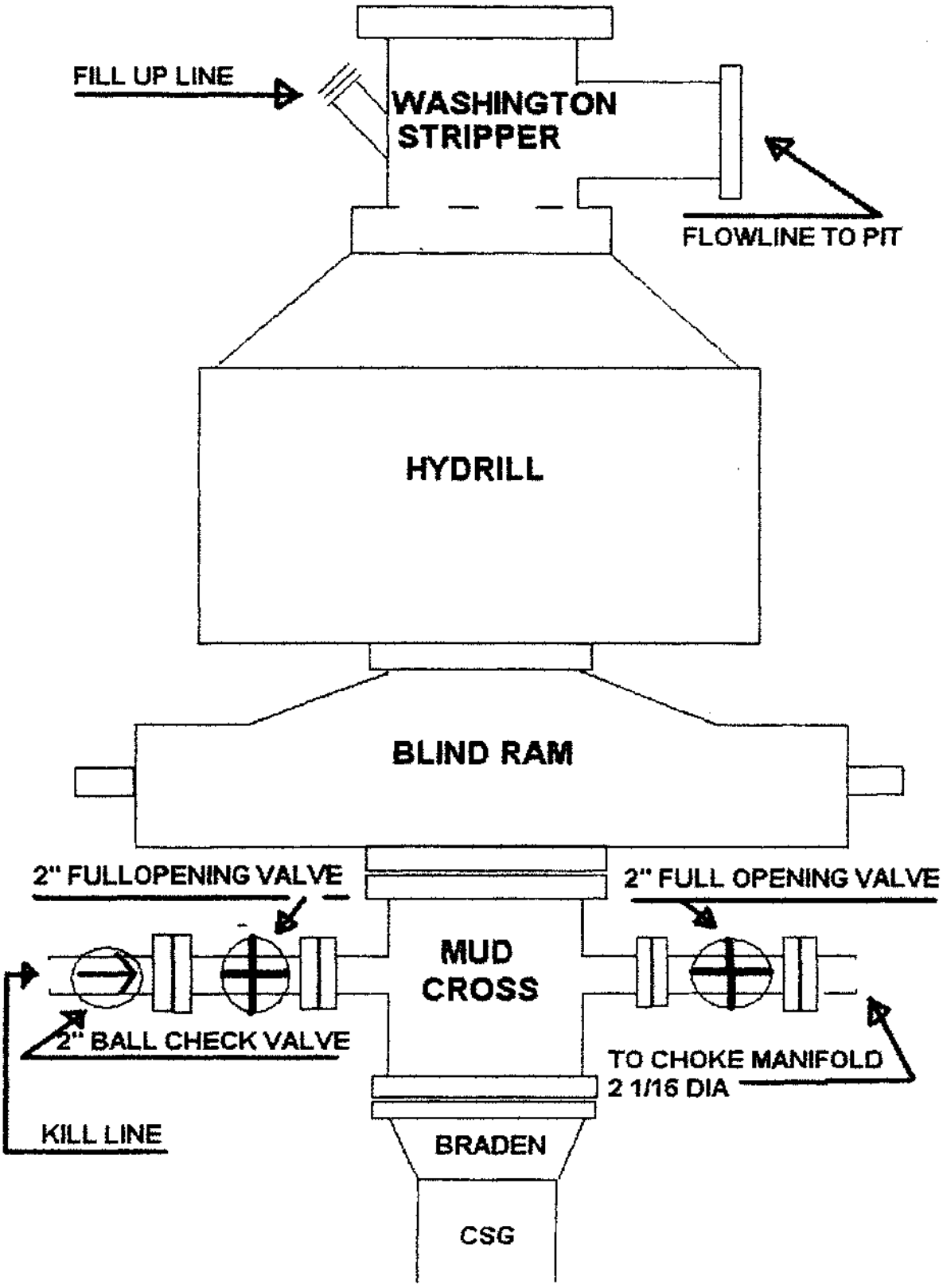
A. All anticipated Appreciable Water Zones will be covered by surface casing.
B. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.
C. H_2S is not anticipated at this site.

8. COMPANY PERSONNEL:

Name	Title	Office Phone	Cellular Phone
Ross Lubbers	Drilling Manager	303-397-3721	
Justin Niederhofer	Drilling Engineer	303-397-3719	505-320-0158
Bobby Jackson	Drilling Superintendent	303-397-3720	505-486-4706
Charles Musekamp	Project Geologist	817-885-2800	N/A

JDN
6/25/13

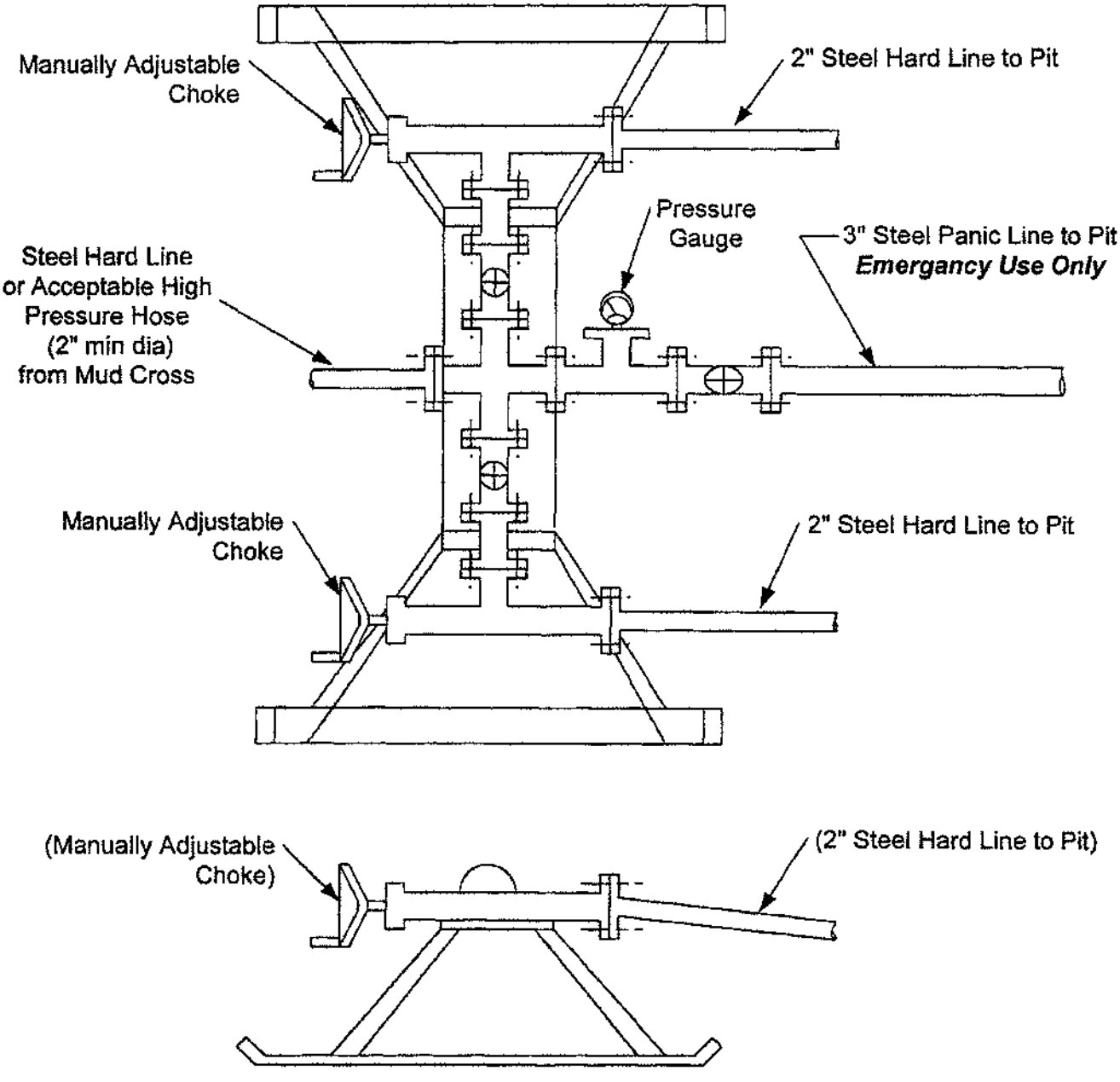
AWS 507


FILL UP LINE
WASHINGTON STRIPPER
FLOWLINE TO PIT
HYDRILL
BLIND RAM
2" FULLOPENING VALVE
2" FULL OPENING VALVE
MUD CROSS
2" BALL CHECK VALVE
TO CHOKE MANIFOLD
2 1/16 DIA
KILL LINE
BRADEN
CSG

CHOKE MANIFOLD
SCHEMATIC FOR DRILLING OPERATIONS
CLASS 1 (2M) NORMAL PRESSURE

TESTING PROCEDURE

1. Stake all lines from choke manifold to pit.
2. Pressure test choke manifold after installation.
3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.



XTO ENERGY

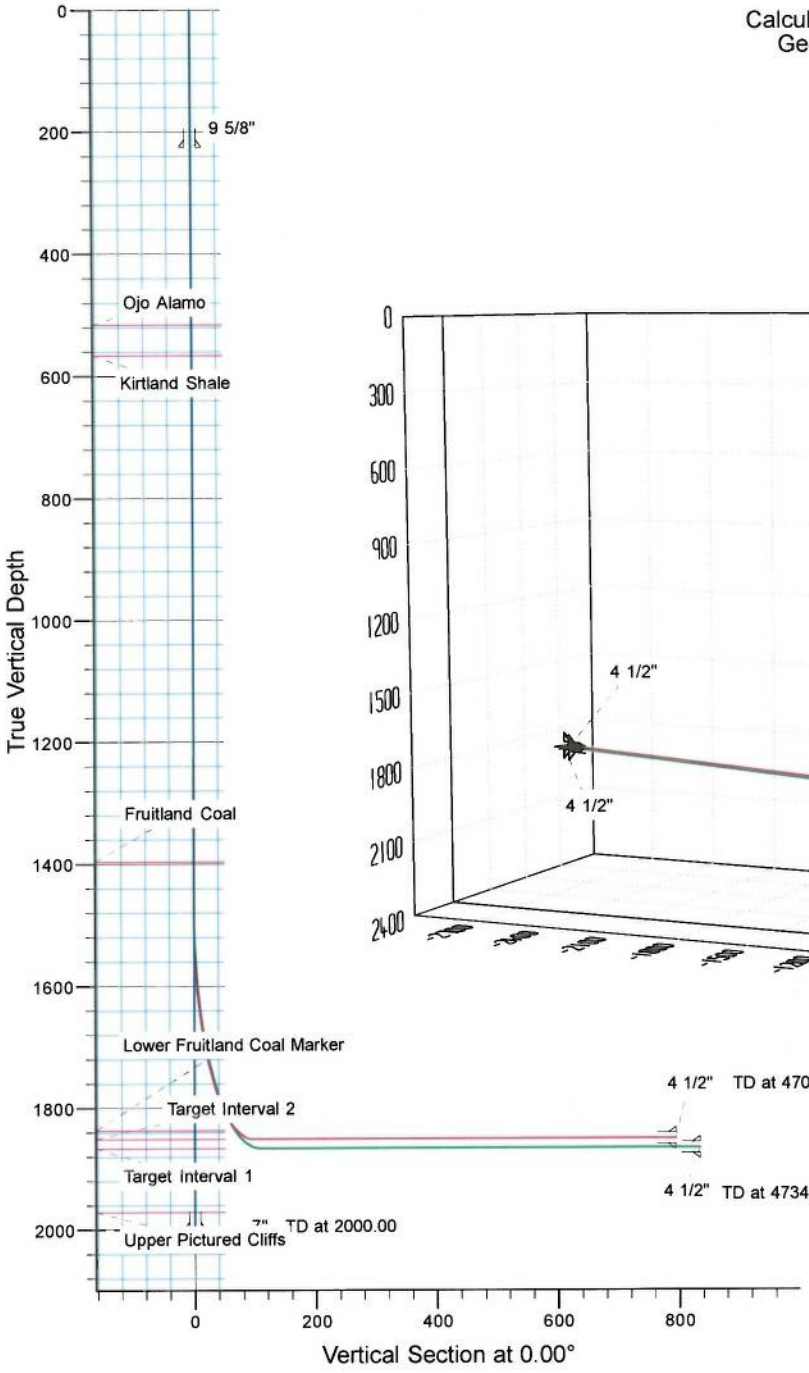
Well Name: Huber Culhane #2-32

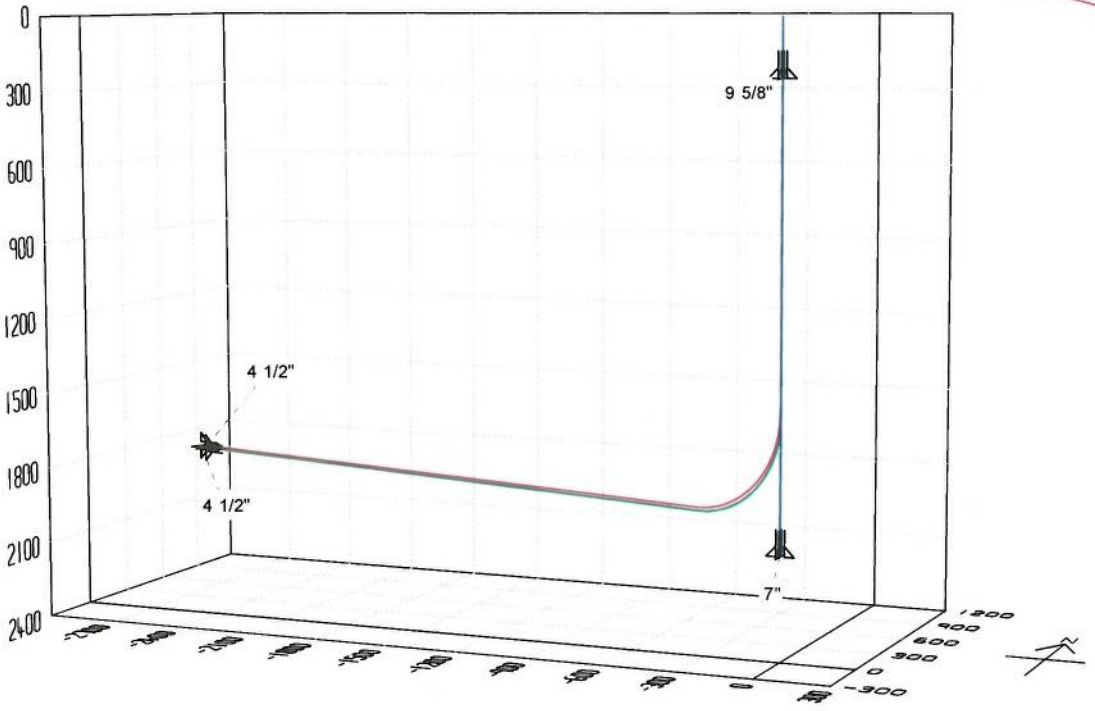
San Juan Division
Drilling Department

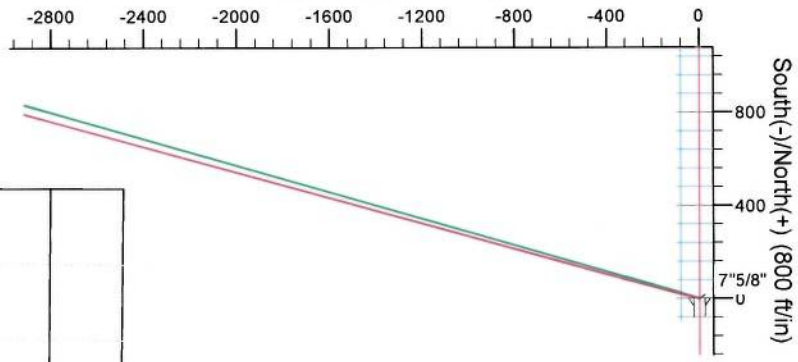
Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 37° 15' 42.696000 N
Long: 107° 45' 55.908000 W

Azimuths to True North
Magnetic North: 9.73°

Magnetic Field
Strength: 50897.1snT
Dip Angle: 63.89°
Date: 3/13/2013
Model: IGRF200510







CASING DETAILS

TVD	MD	Name
225.00	225.00	9 5/8"
2000.00	2000.00	7"

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
516.00	516.00	Ojo Alamo
566.00	566.00	Kirtland Shale
1396.00	1396.00	Fruitland Coal
1837.00	1837.00	Lower Fruitland Coal Marker
1851.00	1851.00	Target Interval 2
1866.00	1866.00	Target Interval 1
1971.00	1971.00	Upper Pictured Cliffs

XTO Energy - Western Div. (NM, CO, UT)

LaPlata County (NAD83)
Huber Culhane #2-32
Huber Culhane #2-32

Huber Culhane 2-32 -- Lower Lat

Plan: Huber Culhane 2-32 -- Lower Lat

Standard Planning Report

14 June, 2013

XTO Energy, Inc.
Planning Report

Database:	LMRKPROD	**Local Co-ordinate Reference:**	Site Huber Culhane #2-32
Company:	XTO Energy - Western Div. (NM, CO, UT)	**TVD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Project:	LaPlata County (NAD83)	**MD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Site:	Huber Culhane #2-32	**North Reference:**	True
Well:	Huber Culhane #2-32	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Huber Culhane 2-32 -- Lower Lat		
Design:	Huber Culhane 2-32 -- Lower Lat		

Project LaPlata County (NAD83), LaPlata County, Colorado, Directional Fruitland Coal Wells

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Southern Zone		

Site Huber Culhane #2-32, T35N, R8W

Site Position:		**Northing:**	1,224,717.13 usft	**Latitude:**	37° 15' 42.696000 N
From:	Lat/Long	**Easting:**	2,340,735.41 usft	**Longitude:**	107° 45' 55.908000 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	-1.39 °

Well Huber Culhane #2-32, Horizontal FC

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,224,717.13 usft	**Latitude:**	37° 15' 42.695949 N
	+E/-W	0.00 ft	**Easting:**	2,340,735.41 usft	**Longitude:**	107° 45' 55.908000 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	7,019.00 ft	**Ground Level:**	7,019.00 ft

Wellbore Huber Culhane 2-32 -- Lower Lat

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	3/13/2013	9.73	63.89	50,897

Design Huber Culhane 2-32 -- Lower Lat

Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	1,476.97

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	285.96

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
1,476.97	0.00	0.00	1,476.97	0.00	0.00	0.00	0.00	0.00	0.00	
1,491.97	2.00	295.00	1,491.97	0.11	-0.24	13.33	13.33	0.00	295.00	
1,496.97	2.00	295.00	1,496.96	0.18	-0.40	0.00	0.00	0.00	0.00	
2,083.77	90.00	285.92	1,865.77	106.85	-366.91	15.00	15.00	-1.55	-9.08	
4,734.55	90.00	285.92	1,866.00	833.98	-2,916.00	0.00	0.00	0.00	0.00	Huber Culhane 2-32 -

XTO Energy, Inc.

Planning Report

Database:	LMRKPROD	**Local Co-ordinate Reference:**	Site Huber Culhane #2-32
Company:	XTO Energy - Western Div. (NM, CO, UT)	**TVD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Project:	LaPlata County (NAD83)	**MD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Site:	Huber Culhane #2-32	**North Reference:**	True
Well:	Huber Culhane #2-32	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Huber Culhane 2-32 -- Lower Lat		
Design:	Huber Culhane 2-32 -- Lower Lat		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,476.97	0.00	0.00	1,476.97	0.00	0.00	0.00	0.00	0.00	0.00
1,491.97	2.00	295.00	1,491.97	0.11	-0.24	0.26	13.33	13.33	0.00
1,496.97	2.00	295.00	1,496.96	0.18	-0.40	0.43	0.00	0.00	0.00
1,500.00	2.45	293.32	1,499.99	0.23	-0.50	0.55	15.00	14.85	-55.43
1,525.00	6.19	288.83	1,524.92	0.88	-2.27	2.42	15.00	14.95	-17.95
1,550.00	9.93	287.72	1,549.66	1.97	-5.60	5.93	15.00	14.99	-4.44
1,575.00	13.68	287.22	1,574.13	3.50	-10.48	11.04	15.00	14.99	-2.02
1,600.00	17.43	286.93	1,598.21	5.47	-16.89	17.74	15.00	15.00	-1.17
1,625.00	21.18	286.74	1,621.80	7.86	-24.80	26.00	15.00	15.00	-0.76
1,650.00	24.93	286.60	1,644.80	10.67	-34.18	35.79	15.00	15.00	-0.54
1,675.00	28.68	286.50	1,667.11	13.88	-44.98	47.06	15.00	15.00	-0.41
1,700.00	32.43	286.42	1,688.63	17.48	-57.17	59.77	15.00	15.00	-0.32
1,725.00	36.18	286.35	1,709.28	21.45	-70.68	73.86	15.00	15.00	-0.26
1,750.00	39.93	286.30	1,728.96	25.78	-85.47	89.26	15.00	15.00	-0.22
1,775.00	43.68	286.25	1,747.60	30.45	-101.46	105.93	15.00	15.00	-0.19
1,800.00	47.43	286.21	1,765.10	35.44	-118.60	123.77	15.00	15.00	-0.16
1,825.00	51.18	286.17	1,781.40	40.72	-136.80	142.72	15.00	15.00	-0.14
1,850.00	54.93	286.14	1,796.42	46.28	-155.99	162.70	15.00	15.00	-0.13
1,875.00	58.68	286.11	1,810.11	52.09	-176.08	183.62	15.00	15.00	-0.12
1,900.00	62.43	286.09	1,822.39	58.13	-196.99	205.38	15.00	15.00	-0.11
1,925.00	66.18	286.06	1,833.23	64.36	-218.64	227.91	15.00	15.00	-0.10
1,934.61	67.62	286.05	1,837.00	66.81	-227.13	236.74	15.00	15.00	-0.10
Lower Fruitland Coal Marker									
1,950.00	69.93	286.04	1,842.57	70.77	-240.92	251.09	15.00	15.00	-0.10
1,975.00	73.68	286.01	1,850.38	77.33	-263.74	274.84	15.00	15.00	-0.09
1,977.24	74.01	286.01	1,851.00	77.92	-265.81	276.99	15.00	15.00	-0.09
Target Interval 2									
2,000.00	77.43	285.99	1,856.61	84.00	-287.01	299.04	15.00	15.00	-0.09
2,025.00	81.18	285.97	1,861.25	90.76	-310.62	323.60	15.00	15.00	-0.09
2,050.00	84.93	285.95	1,864.27	97.58	-334.47	348.41	15.00	15.00	-0.08
2,075.00	88.68	285.93	1,865.67	104.44	-358.47	373.37	15.00	15.00	-0.08
2,083.77	90.00	285.92	1,865.77	106.85	-366.91	382.14	15.00	15.00	-0.08
2,100.00	90.00	285.92	1,865.77	111.30	-382.51	398.37	0.00	0.00	0.00
2,200.00	90.00	285.92	1,865.78	138.73	-478.68	498.37	0.00	0.00	0.00
2,300.00	90.00	285.92	1,865.79	166.16	-574.84	598.37	0.00	0.00	0.00
2,400.00	90.00	285.92	1,865.80	193.59	-671.00	698.37	0.00	0.00	0.00
2,500.00	90.00	285.92	1,865.81	221.02	-767.17	798.37	0.00	0.00	0.00
2,600.00	90.00	285.92	1,865.81	248.45	-863.33	898.37	0.00	0.00	0.00
2,700.00	90.00	285.92	1,865.82	275.88	-959.50	998.37	0.00	0.00	0.00

Database:	LMRKPROD	**Local Co-ordinate Reference:**	Site Huber Culhane #2-32
Company:	XTO Energy - Western Div. (NM, CO, UT)	**TVD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Project:	LaPlata County (NAD83)	**MD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Site:	Huber Culhane #2-32	**North Reference:**	True
Well:	Huber Culhane #2-32	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Huber Culhane 2-32 -- Lower Lat		
Design:	Huber Culhane 2-32 -- Lower Lat		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,800.00	90.00	285.92	1,865.83	303.31	-1,055.66	1,098.37	0.00	0.00	0.00
2,900.00	90.00	285.92	1,865.84	330.74	-1,151.82	1,198.37	0.00	0.00	0.00
3,000.00	90.00	285.92	1,865.85	358.17	-1,247.99	1,298.37	0.00	0.00	0.00
3,100.00	90.00	285.92	1,865.86	385.61	-1,344.15	1,398.37	0.00	0.00	0.00
3,200.00	90.00	285.92	1,865.87	413.04	-1,440.32	1,498.37	0.00	0.00	0.00
3,300.00	90.00	285.92	1,865.88	440.47	-1,536.48	1,598.37	0.00	0.00	0.00
3,400.00	90.00	285.92	1,865.88	467.90	-1,632.65	1,698.37	0.00	0.00	0.00
3,500.00	90.00	285.92	1,865.89	495.33	-1,728.81	1,798.37	0.00	0.00	0.00
3,600.00	90.00	285.92	1,865.90	522.76	-1,824.97	1,898.37	0.00	0.00	0.00
3,700.00	90.00	285.92	1,865.91	550.19	-1,921.14	1,998.37	0.00	0.00	0.00
3,800.00	90.00	285.92	1,865.92	577.62	-2,017.30	2,098.37	0.00	0.00	0.00
3,900.00	90.00	285.92	1,865.93	605.05	-2,113.47	2,198.37	0.00	0.00	0.00
4,000.00	90.00	285.92	1,865.94	632.48	-2,209.63	2,298.37	0.00	0.00	0.00
4,100.00	90.00	285.92	1,865.94	659.92	-2,305.79	2,398.37	0.00	0.00	0.00
4,200.00	90.00	285.92	1,865.95	687.35	-2,401.96	2,498.37	0.00	0.00	0.00
4,300.00	90.00	285.92	1,865.96	714.78	-2,498.12	2,598.37	0.00	0.00	0.00
4,400.00	90.00	285.92	1,865.97	742.21	-2,594.29	2,698.37	0.00	0.00	0.00
4,500.00	90.00	285.92	1,865.98	769.64	-2,690.45	2,798.37	0.00	0.00	0.00
4,600.00	90.00	285.92	1,865.99	797.07	-2,786.62	2,898.37	0.00	0.00	0.00
4,700.00	90.00	285.92	1,866.00	824.50	-2,882.78	2,998.37	0.00	0.00	0.00
4,734.00	90.00	285.92	1,866.00	833.83	-2,915.48	3,032.37	0.00	0.00	0.00
4 1/2"									
4,734.55	90.00	285.92	1,866.00	833.98	-2,916.00	3,032.92	0.00	0.00	0.00
Target Interval 1									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Huber Culhane 2-32 -- L - plan hits target center - Point	0.00	0.00	1,866.00	833.98	-2,916.00	1,225,621.58	2,337,840.50	37° 15' 50.939949 N	107° 46' 31.980000 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,734.00	1,866.00	4 1/2"	4-1/2	6-1/4

Database:	LMRKPROD	**Local Co-ordinate Reference:**	Site Huber Culhane #2-32
Company:	XTO Energy - Western Div. (NM, CO, UT)	**TVD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Project:	LaPlata County (NAD83)	**MD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Site:	Huber Culhane #2-32	**North Reference:**	True
Well:	Huber Culhane #2-32	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Huber Culhane 2-32 -- Lower Lat		
Design:	Huber Culhane 2-32 -- Lower Lat		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
516.00	516.00	Ojo Alamo SS		0.00	
566.00	566.00	Kirtland Shale		0.00	
1,396.00	1,396.00	Fruitland Coal		0.00	
1,934.61	1,837.00	Lower Fruitland Coal Marker		0.00	
1,977.24	1,851.00	Target Interval 2		0.00	
4,734.55	1,866.00	Target Interval 1		0.00	

XTO Energy - Western Div. (NM, CO, UT)

LaPlata County (NAD83)
Huber Culhane #2-32
Huber Culhane #2-32

Huber Culhane 2-32 -- Upper Lat.

Plan: Huber Culhane 2-32 -- Upper Lat.

Standard Planning Report

14 June, 2013

XTO Energy, Inc.
Planning Report

Database:	LMRKPROD	**Local Co-ordinate Reference:**	Site Huber Culhane #2-32
Company:	XTO Energy - Western Div. (NM, CO, UT)	**TVD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Project:	LaPlata County (NAD83)	**MD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Site:	Huber Culhane #2-32	**North Reference:**	True
Well:	Huber Culhane #2-32	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Huber Culhane 2-32 -- Upper Lat.		
Design:	Huber Culhane 2-32 -- Upper Lat.		

Project LaPlata County (NAD83), LaPlata County, Colorado, Directional Fruitland Coal Wells

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Southern Zone		

Site Huber Culhane #2-32, T35N, R8W

Site Position:		**Northing:**	1,224,717.13 usft	**Latitude:**	37° 15' 42.696000 N
From:	Lat/Long	**Easting:**	2,340,735.41 usft	**Longitude:**	107° 45' 55.908000 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	-1.39 °

Well Huber Culhane #2-32, Horizontal FC

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,224,717.13 usft	**Latitude:**	37° 15' 42.695949 N
	+E/-W	0.00 ft	**Easting:**	2,340,735.41 usft	**Longitude:**	107° 45' 55.908000 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	7,019.00 ft	**Ground Level:**	7,019.00 ft

Wellbore Huber Culhane 2-32 -- Upper Lat.

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	3/13/2013	9.73	63.89	50,897

Design Huber Culhane 2-32 -- Upper Lat.

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	1,406.56

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	285.23

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
1,406.56	0.00	0.00	1,406.56	0.00	0.00	0.00	0.00	0.00	0.00	
1,421.56	2.00	265.00	1,421.56	-0.02	-0.26	13.33	13.33	0.00	265.00	
1,481.59	2.00	265.00	1,481.55	-0.21	-2.35	0.00	0.00	0.00	0.00	
2,069.09	90.00	285.33	1,851.00	96.41	-371.71	15.00	14.98	3.46	20.34	
4,707.26	90.00	285.33	1,851.00	793.93	-2,916.01	0.00	0.00	0.00	0.00	Huber Culhane 2-32 -

XTO Energy, Inc.

Planning Report

Database:	LMRKPROD	**Local Co-ordinate Reference:**	Site Huber Culhane #2-32
Company:	XTO Energy - Western Div. (NM, CO, UT)	**TVD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Project:	LaPlata County (NAD83)	**MD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Site:	Huber Culhane #2-32	**North Reference:**	True
Well:	Huber Culhane #2-32	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Huber Culhane 2-32 -- Upper Lat.		
Design:	Huber Culhane 2-32 -- Upper Lat.		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,406.56	0.00	0.00	1,406.56	0.00	0.00	0.00	0.00	0.00	0.00
1,421.56	2.00	265.00	1,421.56	-0.02	-0.26	0.25	13.33	13.33	0.00
1,481.59	2.00	265.00	1,481.55	-0.21	-2.35	2.21	0.00	0.00	0.00
1,500.00	4.69	276.82	1,499.93	-0.14	-3.41	3.26	15.00	14.60	64.23
1,525.00	8.41	280.63	1,524.76	0.31	-6.23	6.09	15.00	14.91	15.21
1,550.00	12.16	282.10	1,549.35	1.20	-10.60	10.54	15.00	14.96	5.90
1,575.00	15.90	282.89	1,573.60	2.52	-16.51	16.60	15.00	14.98	3.15
1,600.00	19.65	283.38	1,597.41	4.26	-23.94	24.22	15.00	14.99	1.97
1,625.00	23.40	283.72	1,620.66	6.41	-32.86	33.39	15.00	14.99	1.36
1,650.00	27.14	283.98	1,643.26	8.97	-43.22	44.06	15.00	14.99	1.00
1,675.00	30.89	284.17	1,665.12	11.91	-54.98	56.18	15.00	15.00	0.78
1,700.00	34.64	284.33	1,686.14	15.25	-68.09	69.71	15.00	15.00	0.62
1,725.00	38.39	284.45	1,706.23	18.94	-82.50	84.58	15.00	15.00	0.51
1,750.00	42.14	284.56	1,725.30	22.99	-98.14	100.73	15.00	15.00	0.44
1,775.00	45.89	284.66	1,743.28	27.37	-114.95	118.10	15.00	15.00	0.38
1,800.00	49.64	284.74	1,760.08	32.07	-132.85	136.61	15.00	15.00	0.33
1,825.00	53.39	284.81	1,775.63	37.06	-151.77	156.17	15.00	15.00	0.30
1,850.00	57.14	284.88	1,789.87	42.32	-171.62	176.71	15.00	15.00	0.27
1,875.00	60.89	284.94	1,802.74	47.84	-192.33	198.14	15.00	15.00	0.25
1,900.00	64.64	285.00	1,814.18	53.58	-213.80	220.36	15.00	15.00	0.23
1,925.00	68.39	285.06	1,824.14	59.52	-235.94	243.29	15.00	15.00	0.22
1,950.00	72.14	285.11	1,832.58	65.65	-258.65	266.81	15.00	15.00	0.21
1,965.36	74.44	285.14	1,837.00	69.48	-272.85	281.52	15.00	15.00	0.20
Lower Fruitland Coal Marker									
1,975.00	75.89	285.16	1,839.47	71.92	-281.85	290.84	15.00	15.00	0.19
2,000.00	79.64	285.20	1,844.77	78.31	-305.42	315.27	15.00	15.00	0.19
2,025.00	83.39	285.25	1,848.46	84.81	-329.28	339.99	15.00	15.00	0.19
2,050.00	87.14	285.30	1,850.52	91.37	-353.31	364.90	15.00	15.00	0.18
2,069.09	90.00	285.33	1,851.00	96.41	-371.71	383.99	15.00	15.00	0.18
Target Interval 2									
2,100.00	90.00	285.33	1,851.00	104.58	-401.52	414.89	0.00	0.00	0.00
2,200.00	90.00	285.33	1,851.00	131.02	-497.97	514.89	0.00	0.00	0.00
2,300.00	90.00	285.33	1,851.00	157.46	-594.41	614.89	0.00	0.00	0.00
2,400.00	90.00	285.33	1,851.00	183.90	-690.85	714.89	0.00	0.00	0.00
2,500.00	90.00	285.33	1,851.00	210.34	-787.29	814.89	0.00	0.00	0.00
2,600.00	90.00	285.33	1,851.00	236.78	-883.73	914.89	0.00	0.00	0.00
2,700.00	90.00	285.33	1,851.00	263.22	-980.17	1,014.89	0.00	0.00	0.00
2,800.00	90.00	285.33	1,851.00	289.66	-1,076.61	1,114.89	0.00	0.00	0.00
2,900.00	90.00	285.33	1,851.00	316.10	-1,173.06	1,214.89	0.00	0.00	0.00

Database:	LMRKPROD	**Local Co-ordinate Reference:**	Site Huber Culhane #2-32
Company:	XTO Energy - Western Div. (NM, CO, UT)	**TVD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Project:	LaPlata County (NAD83)	**MD Reference:**	Rig KB @ 7031.00ft (Aztec 507)
Site:	Huber Culhane #2-32	**North Reference:**	True
Well:	Huber Culhane #2-32	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Huber Culhane 2-32 -- Upper Lat.		
Design:	Huber Culhane 2-32 -- Upper Lat.		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,000.00	90.00	285.33	1,851.00	342.54	-1,269.50	1,314.89	0.00	0.00	0.00
3,100.00	90.00	285.33	1,851.00	368.98	-1,365.94	1,414.89	0.00	0.00	0.00
3,200.00	90.00	285.33	1,851.00	395.41	-1,462.38	1,514.89	0.00	0.00	0.00
3,300.00	90.00	285.33	1,851.00	421.85	-1,558.82	1,614.89	0.00	0.00	0.00
3,400.00	90.00	285.33	1,851.00	448.29	-1,655.26	1,714.89	0.00	0.00	0.00
3,500.00	90.00	285.33	1,851.00	474.73	-1,751.70	1,814.89	0.00	0.00	0.00
3,600.00	90.00	285.33	1,851.00	501.17	-1,848.15	1,914.89	0.00	0.00	0.00
3,700.00	90.00	285.33	1,851.00	527.61	-1,944.59	2,014.89	0.00	0.00	0.00
3,800.00	90.00	285.33	1,851.00	554.05	-2,041.03	2,114.89	0.00	0.00	0.00
3,900.00	90.00	285.33	1,851.00	580.49	-2,137.47	2,214.89	0.00	0.00	0.00
4,000.00	90.00	285.33	1,851.00	606.93	-2,233.91	2,314.89	0.00	0.00	0.00
4,100.00	90.00	285.33	1,851.00	633.37	-2,330.35	2,414.89	0.00	0.00	0.00
4,200.00	90.00	285.33	1,851.00	659.81	-2,426.79	2,514.89	0.00	0.00	0.00
4,300.00	90.00	285.33	1,851.00	686.25	-2,523.24	2,614.89	0.00	0.00	0.00
4,400.00	90.00	285.33	1,851.00	712.69	-2,619.68	2,714.89	0.00	0.00	0.00
4,500.00	90.00	285.33	1,851.00	739.13	-2,716.12	2,814.89	0.00	0.00	0.00
4,600.00	90.00	285.33	1,851.00	765.57	-2,812.56	2,914.89	0.00	0.00	0.00
4,707.00	90.00	285.33	1,851.00	793.86	-2,915.75	3,021.89	0.00	0.00	0.00
4 1/2"									
4,707.26	90.00	285.33	1,851.00	793.93	-2,916.01	3,022.15	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Huber Culhane 2-32 --U - plan hits target center - Point	0.00	0.00	1,851.00	793.93	-2,916.01	1,225,581.54	2,337,839.52	37° 15' 50.543949 N	107° 46' 31.980000 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,707.00	1,851.00	4 1/2"	4-1/2	6-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
516.00	516.00	Ojo Alamo SS		0.00	
566.00	566.00	Kirtland Shale		0.00	
1,396.00	1,396.00	Fruitland Coal		0.00	
1,965.36	1,837.00	Lower Fruitland Coal Marker		0.00	
2,069.09	1,851.00	Target Interval 2		0.00	

SURFACE USE PLAN

XTO Energy Inc.
HUBER CULHANE #2-32
1,503' FNL x 1,703' FEL
Section 32, T35N, R8W
La Plata County, Colorado

TWELVE POINT SURFACE USE PLAN

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

   a. Proposed route to location is shown on the USGS quadrangle map: **See Exhibit "A".**

   b. Location of proposed well in relation to town or other reference point: **From the intersection of US 160 and HWY 172, head north on CR 234. Drive 1.0 mile and take first right onto CR 228. Continue 2.7 miles. Turn left on existing access road through gate to existing Huber #1-32 location.**

   c. All existing roads within 1 mile of the drill site are shown on Exhibit "A". **If necessary, all existing roads that will be used for access to the well location will be maintained to their current condition or better unless BLM approval or consent is given to upgrade the existing road(s).**

2. Planned Access Roads:

   a. Location (centerline): **Starting from a point along an existing road in the NE/4 of Sec 32, T35N, R8W.**

   b. Length of new access to be constructed: **None. This well will be drilled on an existing location. See Exhibit "A"**

   c. Length of existing roads to be upgraded: **None**

   d. Maximum total disturbed width: **Typically both existing roads and new access roads require up to 40' of disturbed width in order to obtain a 20' driving surface.**

   e. Maximum travel surface width: **25' or less**

   f. Maximum grades: **Maximum grades will not exceed 10% after construction.**

   g. Turnouts: **No turnouts are planned at this time. Turnouts may be specified in the approved APD.**

   h. Surface materials: **Only native materials will be used during construction. If necessary, gravel or rock maybe purchased and used to improve road conditions and travel.**

i. Drainage (crowning, ditching, culverts, etc): **Roads will be crowned and bar ditches will be located along either side. 18-24" dia CMP culverts will be installed as necessary.**

j. Cattleguards: **No new cattleguards are planned at this time.**

k. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

l. Length of new and/or existing roads which lie outside the lease or unit boundary for which a BLM/state/fee right-of-way is required: **None**

m. Other: **See general information below.**

Surface disturbance and vehicular travel will be limited to the approved location and access road only. Any additional surface area needed must be approved by BLM in advance.

If any additional right-of-way is necessary, no surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.

If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations as determined by the BLM.

If the well is productive, the access road will be rehabilitated as needed and brought to Resource (Class III) Road Standards within a time period specified by the BLM. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Field Office Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells within a one mile radius of the proposed well:
See Exhibit "B" for existing wells and offset water wells.

4. Location of Production Facilities:

a. On-site facilities: **Typical on-site facilities will consist of a wellhead, flow lines (typ 3" dia.), artificial lifting system (if necessary), wellhead compression (if necessary), gas/oil/water separator (3 phase), gas measurement and water measurement equipment, and a heated enclosure/building for weather and environmental protection. The tank battery, if necessary will typically be constructed and surrounded by a berm of sufficient capacity to contain 1½ times the storage capacity of the largest tank(s). All loading lines and valves for these tanks will be placed inside the berm surrounding the tank battery. All oil/condensate production and measurement shall conform to the provisions of 43 CFR § 3162.7 and Onshore Oil and Gas Order No. 4, if applicable. Other on-**

site equipment and system may include methanol injection and winter weather protection.

All permanent (in place for six months or longer) structures constructed or installed on the well site location will be painted a flat, non-reflective color to match the standard environmental colors, as specified by the COA's in the APD. All facilities will be painted within six months of installation. Facilities required by comply with the Occupational Safety and Health Act (OSHA) may be excluded.

b. Off-site facilities: **Off-site facilities are typically located at the CDP station and usually include central compression, gas processing, separation, tanks, pits, electronics, gas measurement and possibly a produced water disposal (SWD) well.**

c. Pipelines: **The well will be produced into a 4" steel gas pipeline and transported to either an existing pipeline ROW (3rd party transporter) or gas gathering facility. See Exhibit "C".**

d. Powerlines: **There are no plans to include powerlines in this application. In the event power is required, a ROW application will be submitted to the appropriate agencies.**

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from (describe location and/or show on a map): **Water will be purchased from a commercial water source and trucked via third party to the location over approved access roads.**

Water obtained on private land, or land administered by another agencies, will require approval from the owner or agency for use of said water.

6. Source of Construction Material:

Pad construction material will be obtained from (if the material source is federally owned, a map will be included showing the location of the material): **All construction material will be purchased from private landowners and or from a commercial gravel/materials pit. All material will be trucked to location via third party trucking using only approved access roads.**

The use of materials under BLM jurisdiction will conform to 43 CFR § 3610.2-3, if applicable.

7. Methods of Handling Waste Disposal:

Describe the methods and locations proposed for safe containment and disposal of waste material, e.g. cuttings, produced water, garbage, sewage, chemicals, etc.

Drill fluid will be maintained in a closed loop mud system and may be reused for drilling activities on the next location or disposed of at an approved Waste Disposal Facility. The dry drill cuttings will be disposed of at Bondad Landfill. A reserve pit will not be utilized.

Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations.

Sewage from trailers and chemical portable toilets will be removed on a regular basis by a third party contractor and disposed of at an authorized sanitary waste facility.

Any and all chemicals used during the drilling and completion of the well will be kept to a minimum and stored within the boundaries of the well pad. The third party chemical contractor will be responsible for containment and clean-up and removal of all spilled chemicals on location.

8. Ancillary Facilities: **No ancillary facilities will be required during the drilling or completion of the well.**

9. Well Site Layout -depict the pit, rig, cut and fill, topsoil, etc. on a plat with a scale of at least 1"=50'. **See Exhibit "D".**

All equipment and vehicles that will be used to drill and complete this well will remain within the boundaries of the approved wellpad. Any equipment and or vehicles park or stored off of the location will be considered trespassing on federal lands and will NOT be tolerated.

Materials obtained from the construction of location, like topsoil and vegetation will be stock piled as indicated and permitted by the approved APD. The stock piles themselves may be outside the approved boundaries of the wellpad.

10. Plans for Restoration of the Surface: (Interim Reclamation and Final Reclamation)

The stripped topsoil (generally 6-8") shall be stockpiled separately and clearly marked for interim reclamation. Where soil is placed over Temporary Use Areas care will be taken so as not to disturb topsoil.

Topsoil along the access road will be salvaged where available during construction and re-spread to the greatest degree practical on cut slopes, fill slopes and borrow ditches prior to seeding.

On pre-existing well pads, repairs will be made to erosion gullies on cut and fill slopes.

A field wide storm water management plan has been developed and site specific best management practices will be utilized as appropriate. Site specific BMPs: **See Exhibit "E".**

The operator will control non-native, invasive species (noxious weeds) in accordance with the Federal Noxious Weed Act. Control of non-native, invasive species will be completed on all disturbed sites associated with the development and final reclamation of well pads, access roads and pipelines.

Interim Reclamation
The well pad will be contoured to blend with the surrounding natural landscape. All topsoil shall be evenly spread on over the disturbed area. Re-seeding of the site will be conducted using seed mix specified by the surface owner. **See Exhibit "F".**

Final Reclamation
Upon final abandonment, reclamation will be conducted as stipulated in the original conditions of approval contained in the approved APD. An identifying above ground abandonment marker shall be inscribed with the following: operator name, lease number, well name and number, plugging date and surveyed description (township, range, section and either quarter-quarter or footages).

Additional requirements: **If required shall be included in the COA's of the approved APD.**

11. Surface and Mineral Ownership:

Surface Ownership (well location and lands crossed to access location):
David A. and Marie E. Paul, 2729 CR 228, Durango, CO 81301
Memorandum of Surface Use Agreement: **See Exhibit "G".**

Minerals:
Vertical Pilot Hole – Fee Minerals.
Horizontal lateral #1 and lateral #2 - Bureau of Land Management

12. Other Information:

a. Archeological Concerns: **A BLM approved contractor has submitted the appropriate reports to the agency as required. Special stipulations will be included in the COA's of the approved APD.**

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 appropriate BLM Field Office for further instructions.

b. Threatened and Endangered Species Concerns: **A BLM approved contractor has submitted the appropriate reports to the agencies as required. Special stipulation will be included in the COA's of the approved APD.**

c. Wildlife Seasonal Restrictions: **Current wildlife restrictions and closure dates, if applicable, will be specified in the approved APD.**

d. **On-site took place on April 6, 2011** – Walt Brown, Chris Schultz, Lynn Robinson (BLM), Kelly Kardos, Bob Percell, Mike Simon, Justin Weber (XTO), Alex Johnson (JMAS), Page Marchus, Amanda Kuenzi, Kathy (SWCA), David Paul (landowner).

e. **Upon reasonable notification to the landowner, BLM personnel may access the location. BLM personnel must insure that gate is closed.**

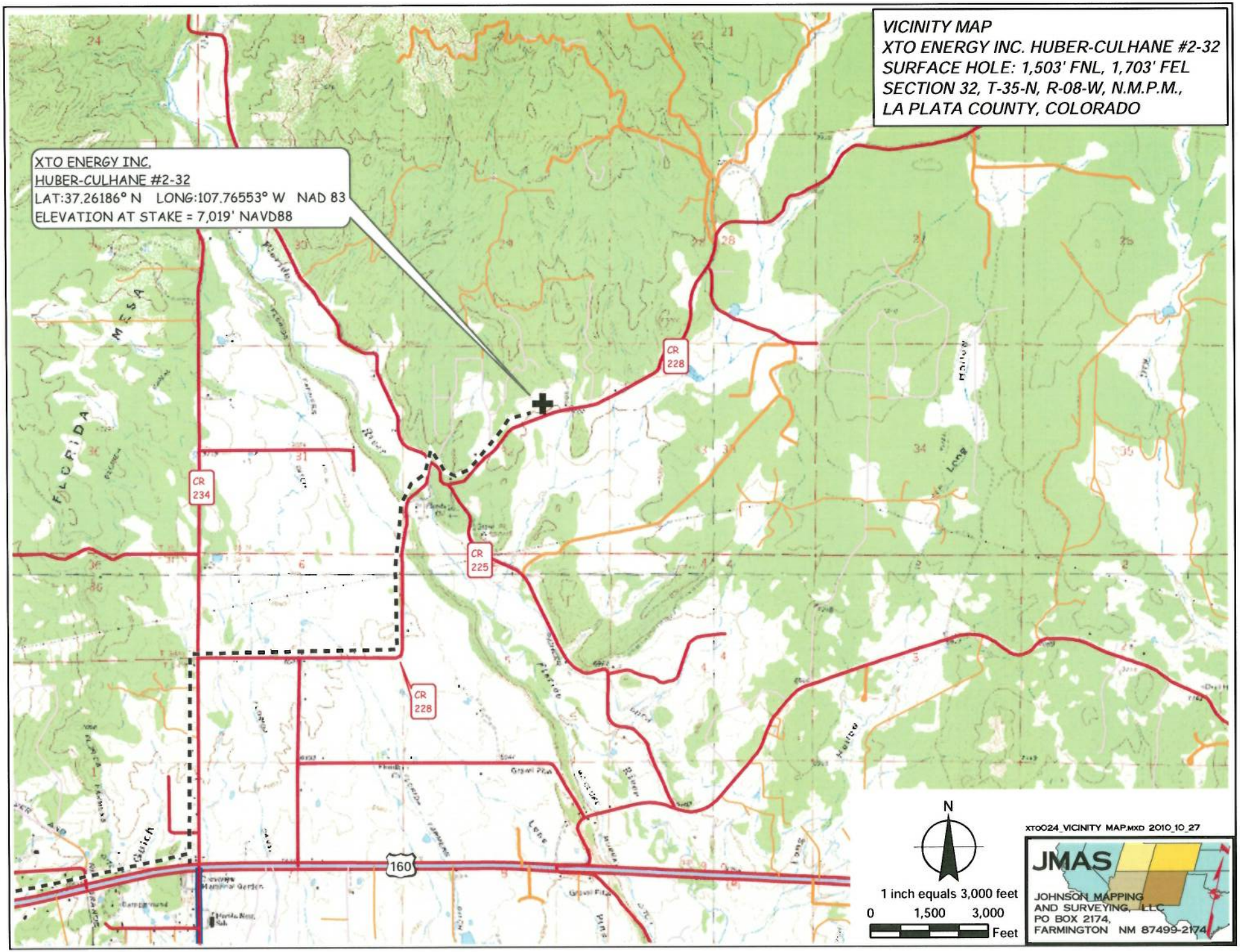
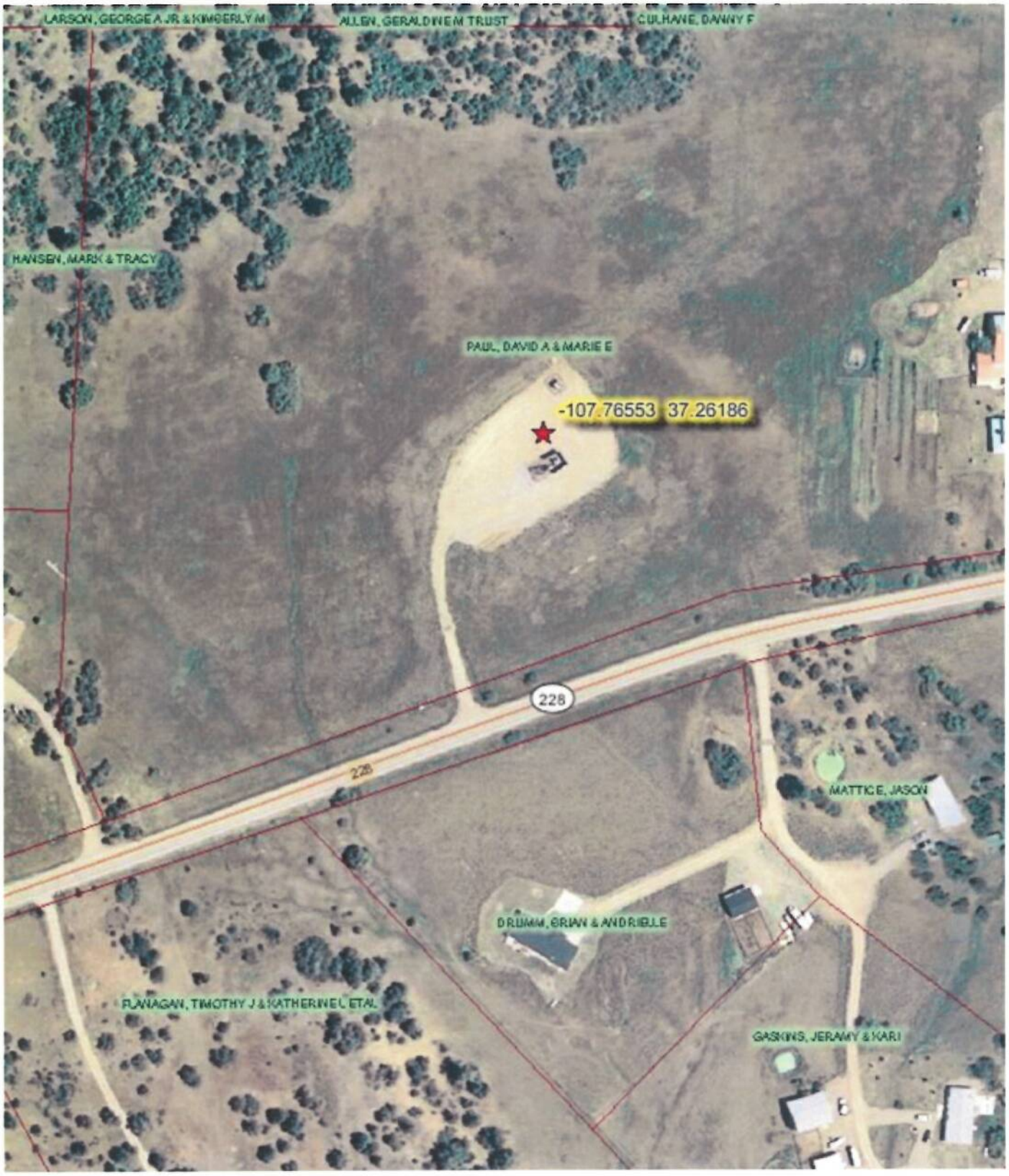

VICINITY MAP
XTO ENERGY INC. HUBER-CULHANE #2-32
SURFACE HOLE: 1,503' FNL, 1,703' FEL
SECTION 32, T-35-N, R-08-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO
XTO ENERGY INC.
HUBER-CULHANE #2-32
LAT:37.26186° N LONG:107.76553° W NAD 83
ELEVATION AT STAKE = 7,019' NAVD88
FLORIDA MESA
CR 234
CR 225
CR 228
CR 228
160
N
1 inch equals 3,000 feet
0 1,500 3,000
Feet
XTO024_VICINITY MAP.MXD 2010_10_27
JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174,
FARMINGTON NM 87499-2174

EXHIBIT A



Surface Ownership (well location):
David A. Paul & Marie E. Paul, 2729 CR 228, Durango, CO 81301

Surface Ownership (lands crossed to access location):
David A. Paul & Marie E. Paul, 2729 CR 228, Durango, CO 81301

EXHIBIT A

EXISTING WELLS & WATER WELLS WITHIN 1 MILE

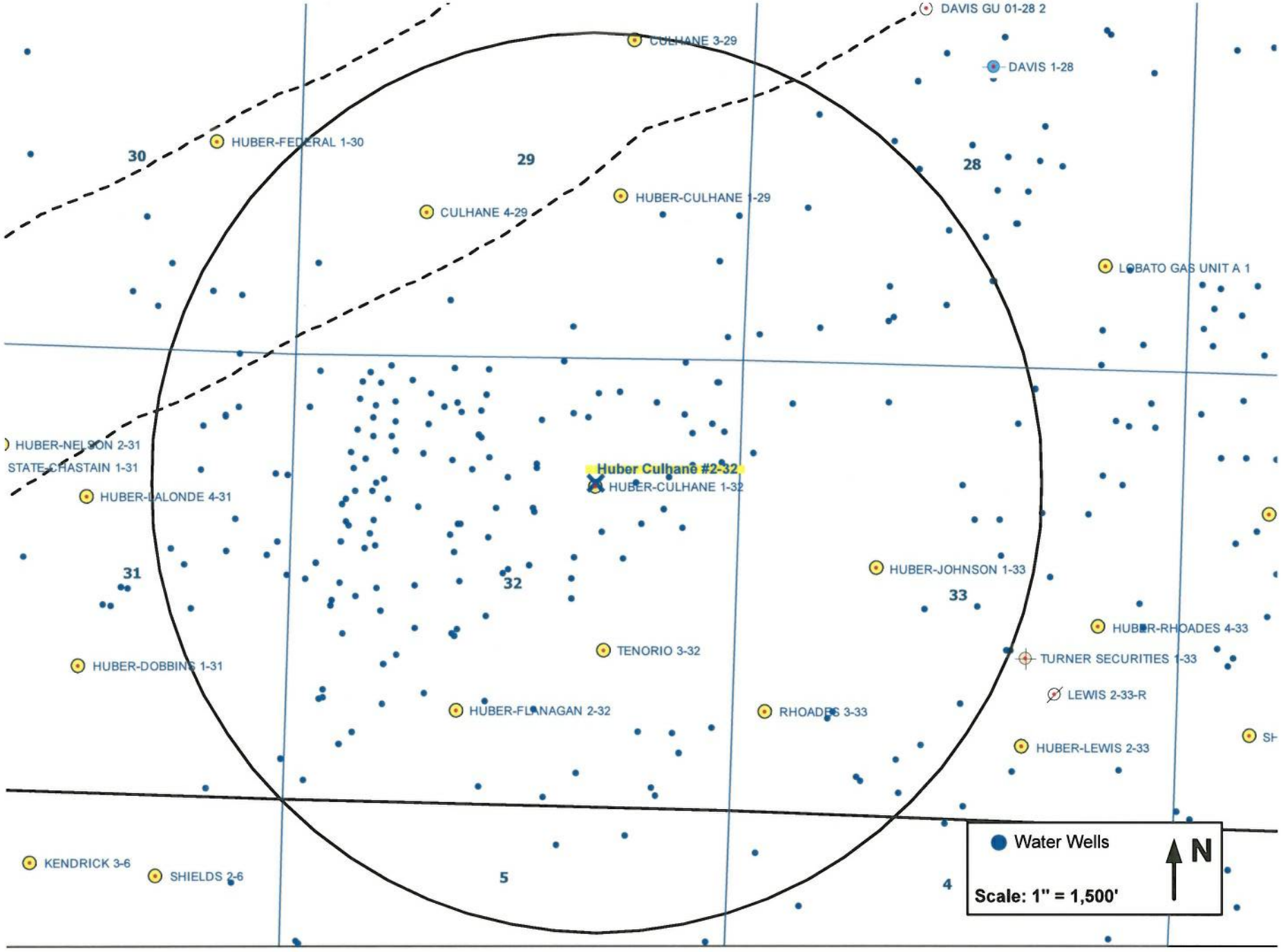
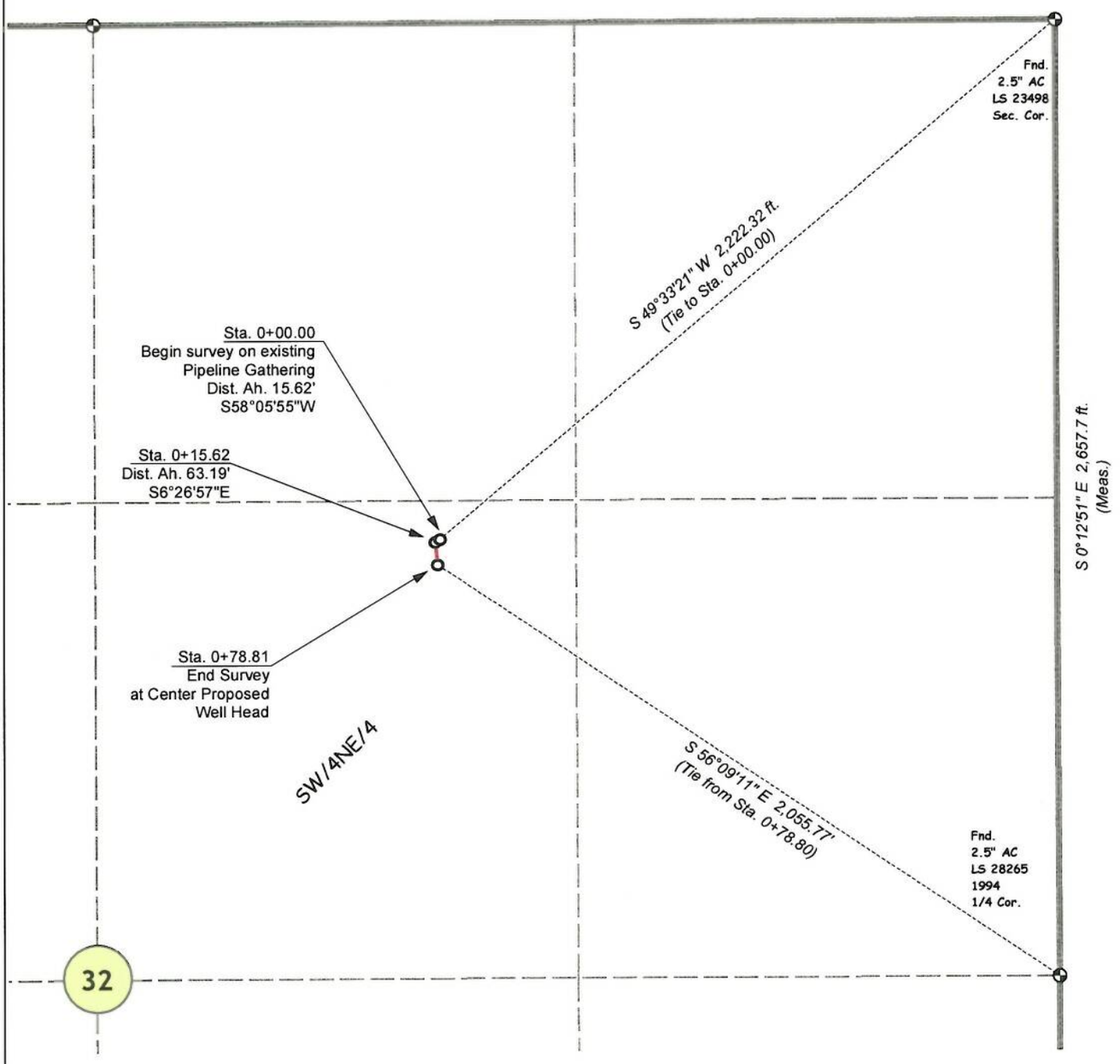


EXHIBIT B

XTO ENERGY INC. - HUBER CULHANE #2-32
PROPOSED GAS AND WATER PIPELINE
SURVEY

SE/4NE/4 SECTION 32, T-35-N, R-08-W, N.M.P.M., LA PLATA COUNTY, COLORADO



0 200 400 Feet

1 inch equals 400 feet

N

NOTES:
1. DATE OF SURVEY 2010_10_22

2. THE LOCATIONS OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

BASIS OF BEARING = BASIS OF BEARING: BETWEEN MONUMENTS FOUND AT THE SOUTHWEST CORNER AND THE NORTHWEST CORNER OF SECTION32, T-35-N, R-08-W, N.M.P.M., COLORADO, LINE BEARS N0°04'44"W BY GPS MEASUREMENT.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

DAVID ALEXANDER JOHNSON LICENSE NO. 33648 DATE
STATE OF COLORADO

COLORADO REGISTERED
DAVID ALEXANDER JOHNSON
33648
2010-11-21
PROFESSIONAL LAND SURVEYOR

XTO024_PIPE01.MXD 2010_11_21

JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174,
FARMINGTON NM 87499-2174

EXHIBIT C

XTO ENERGY INC. - HUBER CULHANE #2-32
PROPOSED GAS AND WATER PIPELINE
LEGAL DESCRIPTION

SE/4NE/4 SECTION 32, T-35-N, R-08-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO

Centerline Description

An easement, 40 feet in width, located in the Southwest Quarter of the Northeast Quarter of Section 32, Township 35 North, Range 8 West, of the New Mexico Principal Meridian, La Plata County, State of Colorado, being more particularly described by the following centerline:

BEGINNING at a point located in said Southwest Quarter of the Northeast Quarter, which bears S 49°33'21" W a distance of 2,222.32 feet, from a 2.5" Aluminum Cap found for the Northeast Corner of said Section 32,

THENCE	S 58°05'55" W	a distance of	15.62	feet,
THENCE	S 6°26'57" E	a distance of	63.19	feet,

to a Well stake set for the Huber Culhane #2-32, said point being the **POINT OF ENDING** for this description, and from which a 2.5" Aluminum Cap found for the East Quarter Corner of said Section 32 bears S 56°09'11" E a distance of 2,055.77 feet.

CONTAINING: 78.81 feet, 4.78 rods and 0.072 acre +/-

COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR
DAVID ALEXANDER JOHNSON
33648
2010-11-21

DAVID ALEXANDER JOHNSON, L.S. NO. 33648 DATE

BASIS OF BEARINGS: BASIS OF BEARING: BETWEEN MONUMENTS FOUND AT THE SOUTHWEST CORNER AND THE NORTHWEST CORNER OF SECTION 32, T-35-N, R-08-W, N.M.P.M., COLORADO, LINE BEARS N0°04'44"W BY GPS MEASUREMENT.

X:\PROJECTS\XTO024 HUBER CULHANE 2 32\GEODATA\MXD\ALIGNMENT\XTO024 PIPE DESC.doc
11/21/2010 12:01 PM

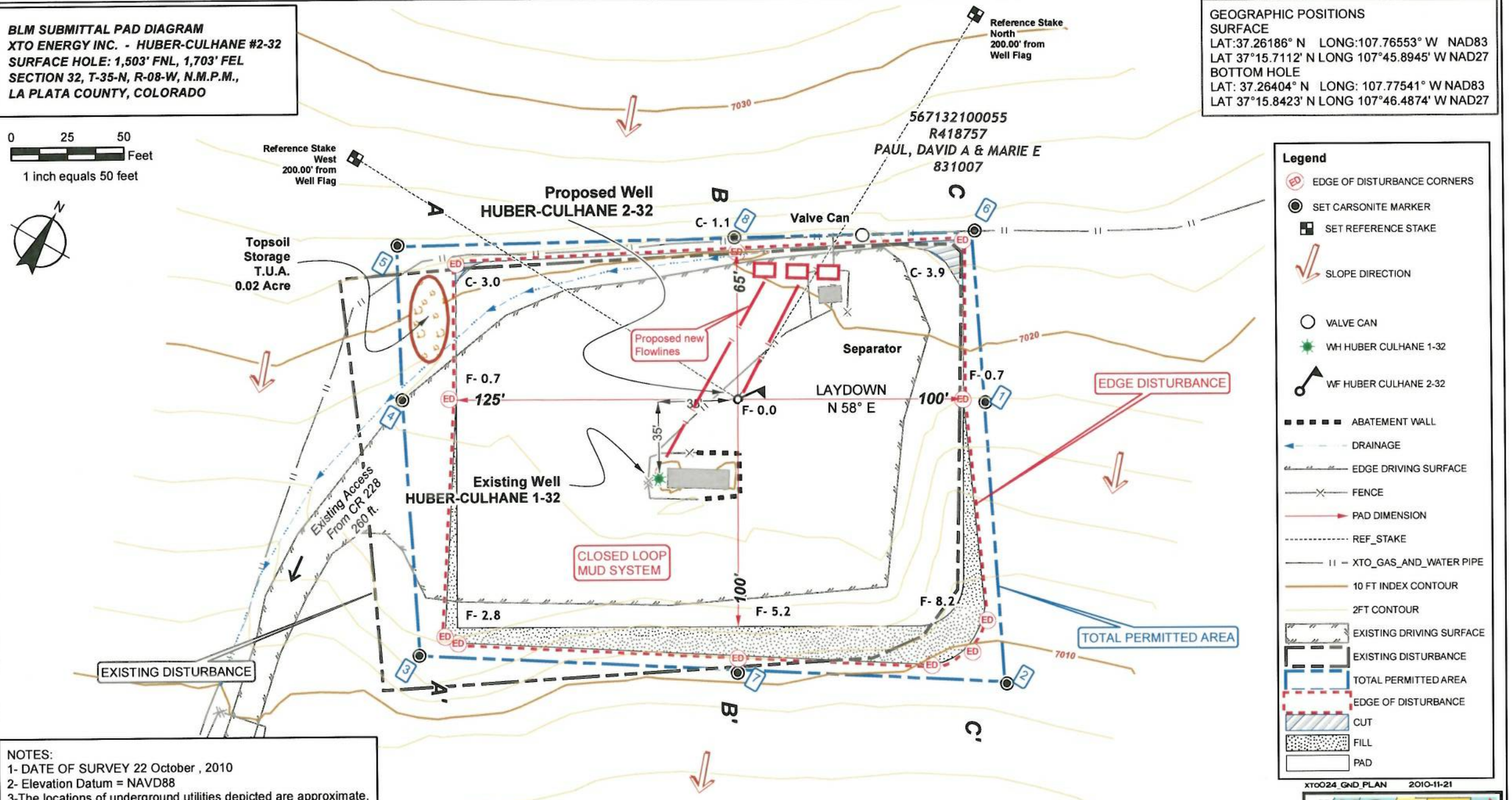
XTO024_PIPE02.MXD 2010_11_21

EXHIBIT C

BLM SUBMITTAL PAD DIAGRAM
XTO ENERGY INC. - HUBER-CULHANE #2-32
SURFACE HOLE: 1,503' FNL, 1,703' FEL
SECTION 32, T-35-N, R-08-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO

GEOGRAPHIC POSITIONS
SURFACE
LAT:37.26186° N LONG:107.76553° W NAD83
LAT 37°15.7112' N LONG 107°45.8945' W NAD27
BOTTOM HOLE
LAT: 37.26404° N LONG: 107.77541° W NAD83
LAT 37°15.8423' N LONG 107°46.4874' W NAD27

0 25 50 Feet
1 inch equals 50 feet



Legend
- EDGE OF DISTURBANCE CORNERS
- SET CARSONITE MARKER
- SET REFERENCE STAKE
- SLOPE DIRECTION
- VALVE CAN
- WH HUBER CULHANE 1-32
- WF HUBER CULHANE 2-32
- ABATEMENT WALL
- DRAINAGE
- EDGE DRIVING SURFACE
- FENCE
- PAD DIMENSION
- REF_STAKE
- XTO_GAS_AND_WATER PIPE
- 10 FT INDEX CONTOUR
- 2FT CONTOUR
- EXISTING DRIVING SURFACE
- EXISTING DISTURBANCE
- TOTAL PERMITTED AREA
- EDGE OF DISTURBANCE
- CUT
- FILL
- PAD

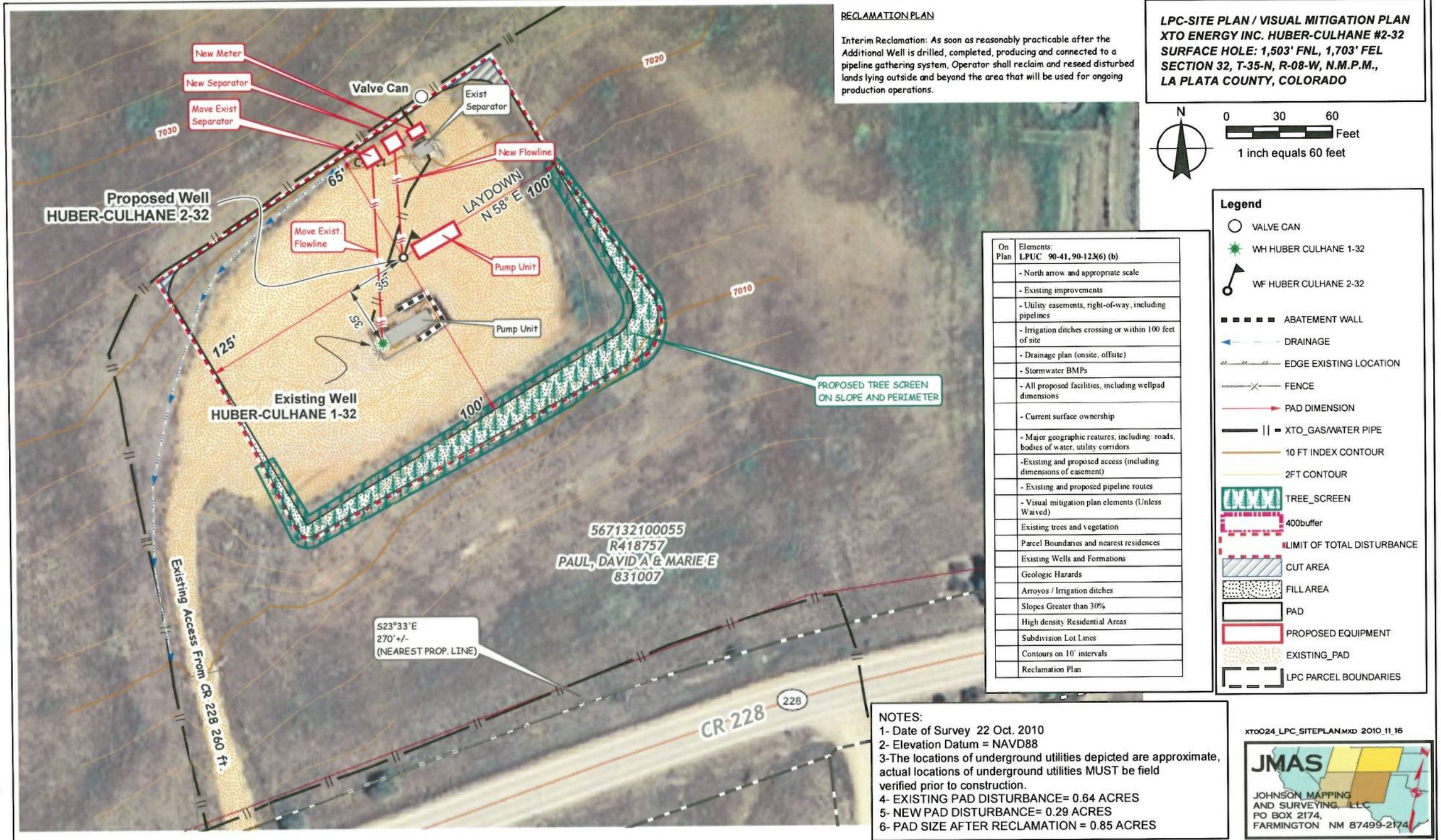
XTO024_GND_PLAN 2010-11-21

NOTES:
1- DATE OF SURVEY 22 October , 2010
2- Elevation Datum = NAVD88
3-The locations of underground utilities depicted are approximate, actual locations of underground utilities MUST be field verified prior to construction.
4-PROPOSED FLAT PAD SIZE = 0.85 ACRES
5-TOTAL DISTURBANCE = 0.93 ACRES
6- EXISTING DISTURBANCE= 0.91 ACRES
7- PAD SIZE AFTER RECLAMATION = 0.85 ACRE

WELL TO BE DRILLED WITH CLOSED LOOP MUD SYSTEM WITH ABOVE GROUND STEEL CONTAINER

JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174
FARMINGTON NM 87499-2174
505-360-8029
ALEX@JOHNSONMAPPING.BIZ

EXHIBIT D



RECLAMATION PLAN

Interim Reclamation: As soon as reasonably practicable after the Additional Well is drilled, completed, producing and connected to a pipeline gathering system, Operator shall reclaim and reseed disturbed lands lying outside and beyond the area that will be used for ongoing production operations.

LPC-SITE PLAN / VISUAL MITIGATION PLAN XTO ENERGY INC. HUBER-CULHANE #2-32 SURFACE HOLE: 1,503' FNL, 1,703' FEL SECTION 32, T-35-N, R-08-W, N.M.P.M., LA PLATA COUNTY, COLORADO

N

0 30 60 Feet

1 inch equals 60 feet

On Plan	Elements: LPUC 90-41, 90-123(6) (b)
	- North arrow and appropriate scale
	- Existing improvements
	- Utility easements, right-of-way, including pipelines
	- Irrigation ditches crossing or within 100 feet of site
	- Drainage plan (onsite, offsite)
	- Stormwater BMPs
	- All proposed facilities, including wellpad dimensions
	- Current surface ownership
	- Major geographic features, including: roads, bodies of water, utility corridors
	-Existing and proposed access (including dimensions of easement)
	- Existing and proposed pipeline routes
	- Visual mitigation plan elements (Unless Waived)
	Existing trees and vegetation
	Parcel Boundaries and nearest residences
	Existing Wells and Formations
	Geologic Hazards
	Arroyos / Irrigation ditches
	Slopes Greater than 30%
	High density Residential Areas
	Subdivision Lot Lines
	Contours on 10' intervals
	Reclamation Plan

Legend

- VALVE CAN
- WH HUBER CULHANE 1-32
- WF HUBER CULHANE 2-32
- ABATEMENT WALL
- DRAINAGE
- EDGE EXISTING LOCATION
- FENCE
- PAD DIMENSION
- XTO_GAS/WATER PIPE
- 10 FT INDEX CONTOUR
- 2FT CONTOUR
- TREE_SCREEN
- 400buffer
- LIMIT OF TOTAL DISTURBANCE
- CUT AREA
- FILL AREA
- PAD
- PROPOSED EQUIPMENT
- EXISTING_PAD
- LPC PARCEL BOUNDARIES

NOTES:
1- Date of Survey 22 Oct. 2010
2- Elevation Datum = NAVD88
3-The locations of underground utilities depicted are approximate, actual locations of underground utilities MUST be field verified prior to construction.
4- EXISTING PAD DISTURBANCE= 0.64 ACRES
5- NEW PAD DISTURBANCE= 0.29 ACRES
6- PAD SIZE AFTER RECLAMATION = 0.85 ACRES

XTO024_LPC_SITEPLAN.MXD 2010_11_16

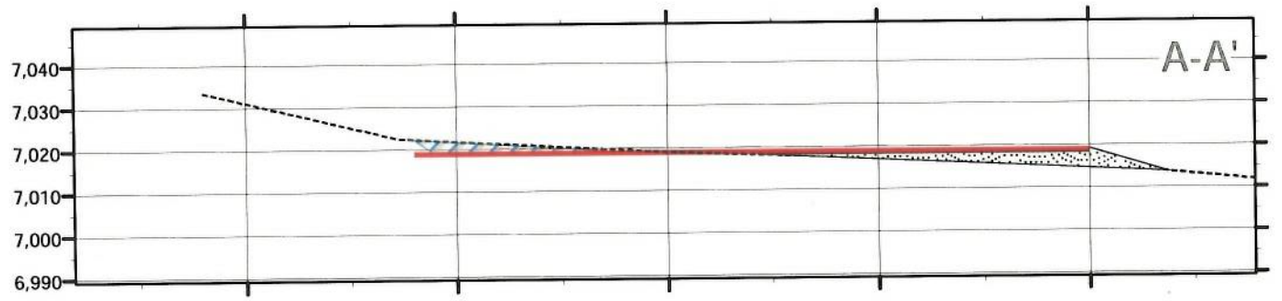
JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174,
FARMINGTON NM 87499-2174

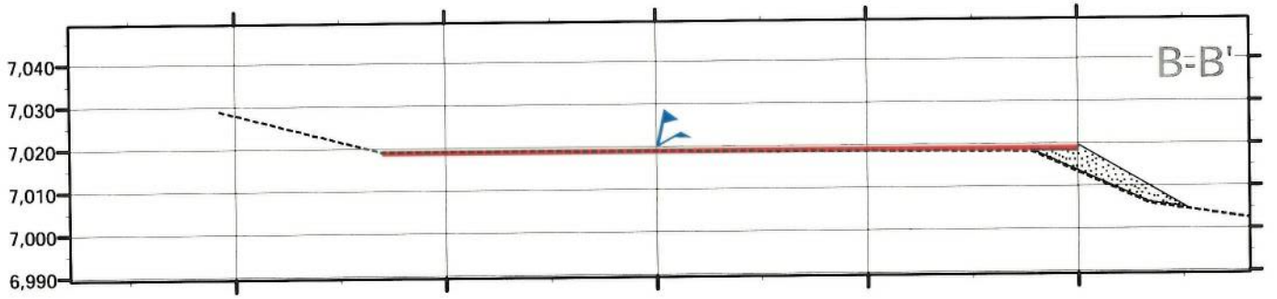
EXHIBIT D

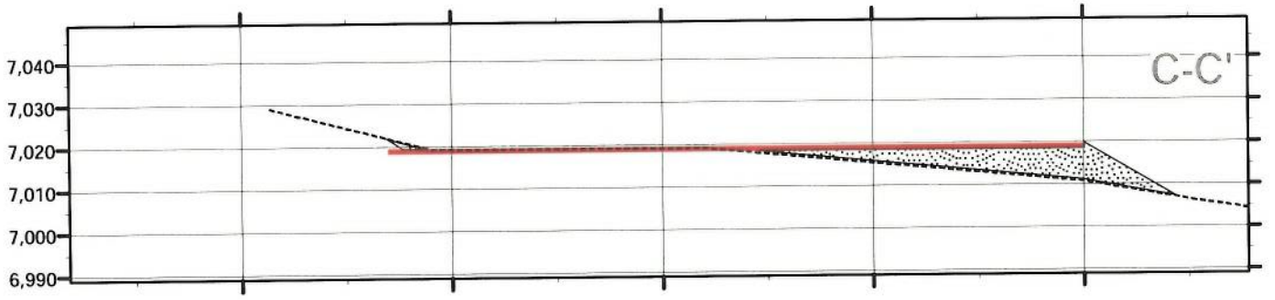
CUT AND FILL X-SECTIONS
XTO ENERGY INC. HUBER-CULHANE #2-32
SURFACE HOLE: 1,503' FNL, 1,703' FEL
SECTION 32, T-35-N, R-08-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO

PROPOSED PAD CROSS SECTIONS

X-SECTION PROFILES - 1 inch equals 40 feet







NAD 83
LAT:37.26186° N
LONG:107.76553° W

NAD 27
LAT 37°15.7112' N
LONG 107°45.8945' W

NOTES:

1-DATE OF FIELD SURVEY 8 Jun 2007, 22 Oct 2010

2-THE LOCATIONS OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
3-ELEVATION DATUM = NAVD88

XTO024_X-S.MXD 2010_10_26

JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174,
FARMINGTON NM 87499-2174
505-360-8029
ALEX@JOHNSONMAPPING.BIZ

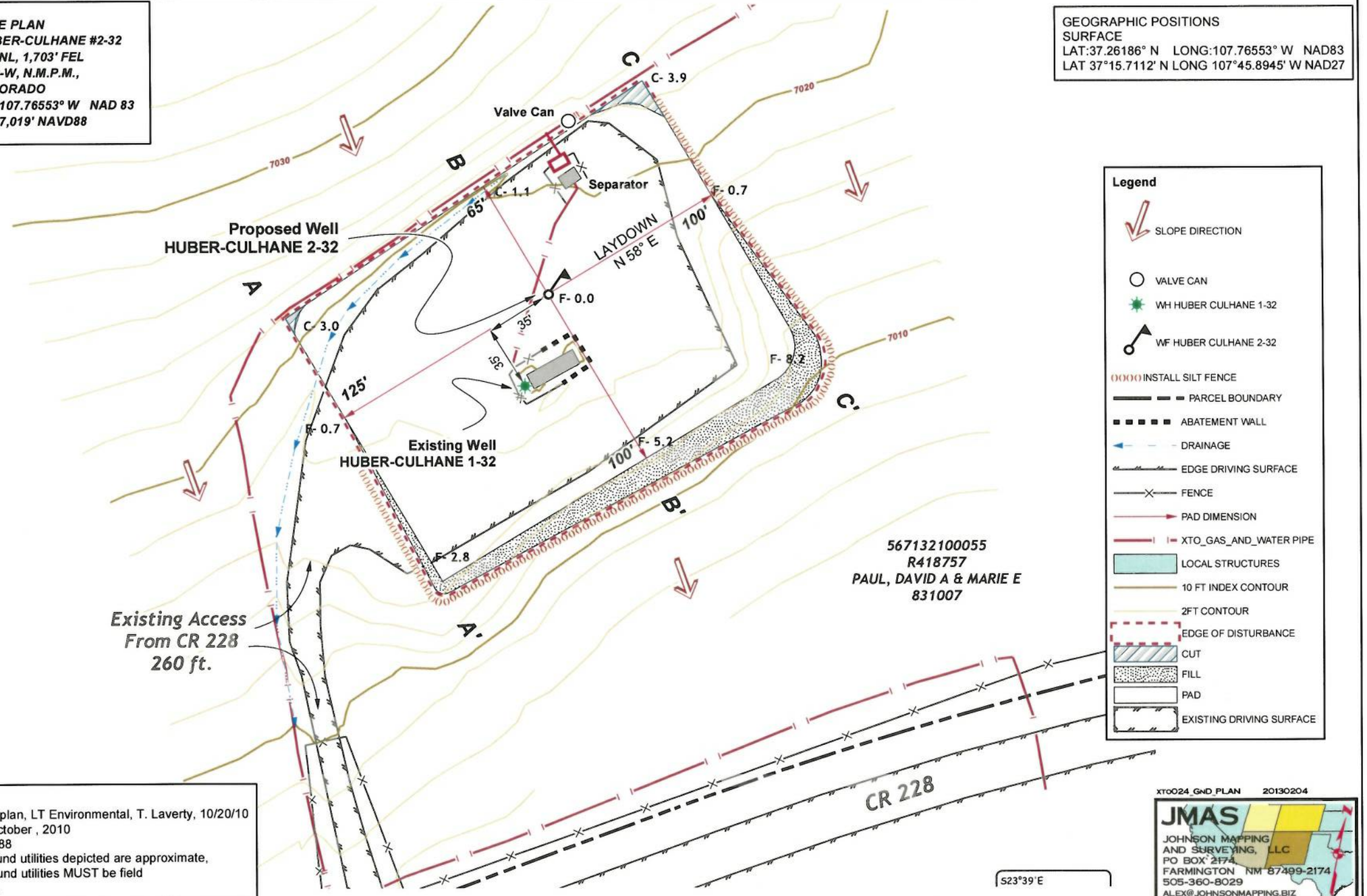
EXHIBIT D

GRADING AND DRAINAGE PLAN
XTO ENERGY INC. - HUBER-CULHANE #2-32
SURFACE HOLE: 1,503' FNL, 1,703' FEL
SECTION 32, T-35-N, R-08-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO
LAT:37.26186° N LONG:107.76553° W NAD 83
ELEVATION AT STAKE = 7,019' NAVD88

GEOGRAPHIC POSITIONS
SURFACE
LAT:37.26186° N LONG:107.76553° W NAD83
LAT 37°15.7112' N LONG 107°45.8945' W NAD27

0 30 60
Feet
1 inch equals 60 feet

N



Legend

- SLOPE DIRECTION
- VALVE CAN
- WH HUBER CULHANE 1-32
- WF HUBER CULHANE 2-32
- INSTALL SILT FENCE
- PARCEL BOUNDARY
- ABATEMENT WALL
- DRAINAGE
- EDGE DRIVING SURFACE
- FENCE
- PAD DIMENSION
- XTO_GAS_AND_WATER PIPE
- LOCAL STRUCTURES
- 10 FT INDEX CONTOUR
- 2FT CONTOUR
- EDGE OF DISTURBANCE
- CUT
- FILL
- PAD
- EXISTING DRIVING SURFACE

NOTES:
1- Reference SMPCIF/BMP plan, LT Environmental, T. Laverty, 10/20/10
2- DATE OF SURVEY 22 October , 2010
3- Elevation Datum = NAVD88
4-The locations of underground utilities depicted are approximate, actual locations of underground utilities MUST be field verified prior to construction.

XTO024_GND_PLAN 20130204

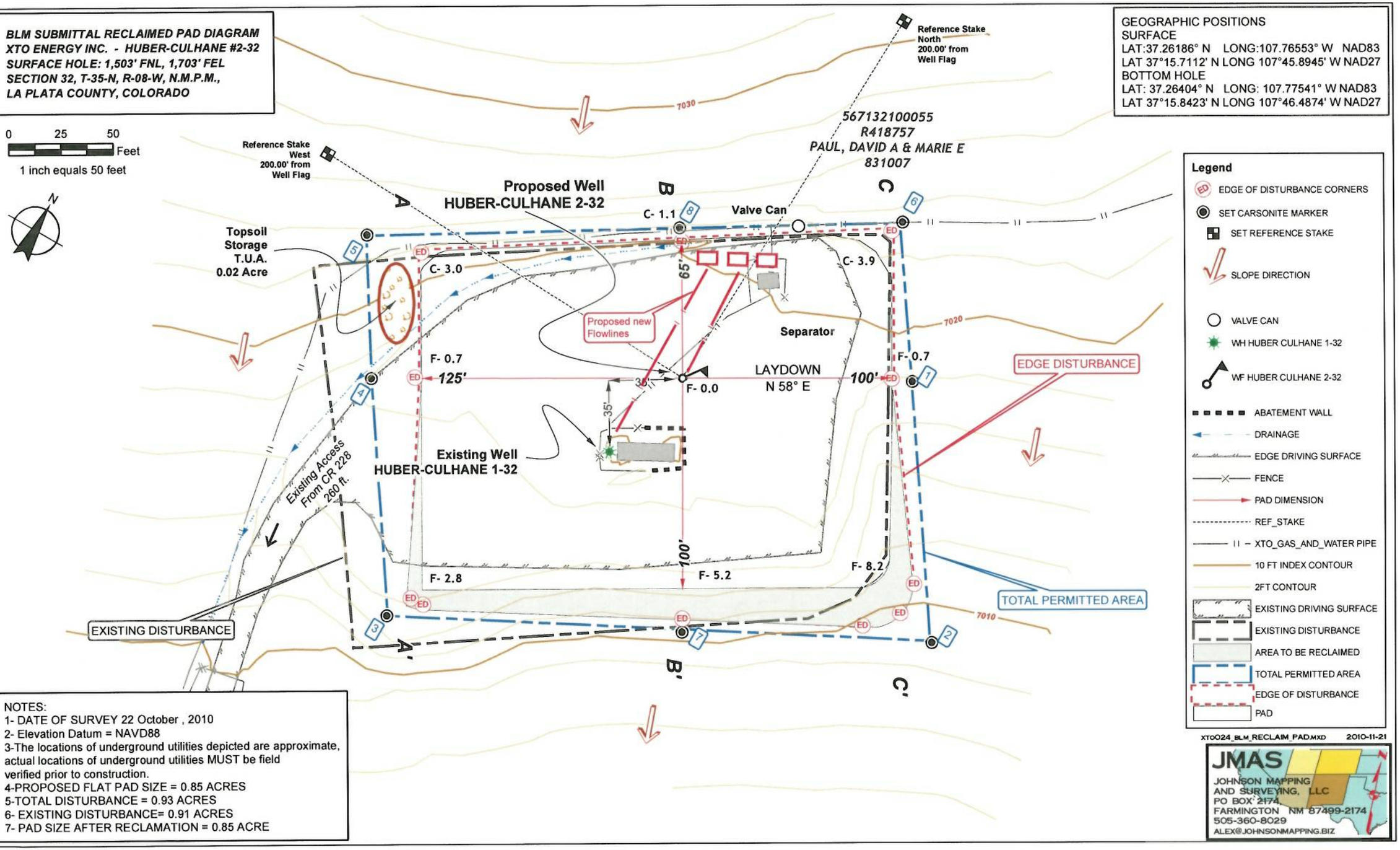
JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174
FARMINGTON NM 87499-2174
505-360-8029
ALEX@JOHNSONMAPPING.BIZ

EXHIBIT

BLM SUBMITTAL RECLAIMED PAD DIAGRAM
XTO ENERGY INC. - HUBER-CULHANE #2-32
SURFACE HOLE: 1,503' FNL, 1,703' FEL
SECTION 32, T-35-N, R-08-W, N.M.P.M.,
LA PLATA COUNTY, COLORADO

GEOGRAPHIC POSITIONS
SURFACE
LAT:37.26186° N LONG:107.76553° W NAD83
LAT 37°15.7112' N LONG 107°45.8945' W NAD27
BOTTOM HOLE
LAT: 37.26404° N LONG: 107.77541° W NAD83
LAT 37°15.8423' N LONG 107°46.4874' W NAD27

0 25 50 Feet
1 inch equals 50 feet



Legend

- EDGE OF DISTURBANCE CORNERS
- SET CARSONITE MARKER
- SET REFERENCE STAKE
- SLOPE DIRECTION
- VALVE CAN
- WH HUBER CULHANE 1-32
- WF HUBER CULHANE 2-32
- ABATEMENT WALL
- DRAINAGE
- EDGE DRIVING SURFACE
- FENCE
- PAD DIMENSION
- REF_STAKE
- XTO_GAS_AND_WATER PIPE
- 10 FT INDEX CONTOUR
- 2FT CONTOUR
- EXISTING DRIVING SURFACE
- EXISTING DISTURBANCE
- AREA TO BE RECLAIMED
- TOTAL PERMITTED AREA
- EDGE OF DISTURBANCE
- PAD

NOTES:
1- DATE OF SURVEY 22 October , 2010
2- Elevation Datum = NAVD88
3-The locations of underground utilities depicted are approximate, actual locations of underground utilities MUST be field verified prior to construction.
4-PROPOSED FLAT PAD SIZE = 0.85 ACRES
5-TOTAL DISTURBANCE = 0.93 ACRES
6- EXISTING DISTURBANCE= 0.91 ACRES
7- PAD SIZE AFTER RECLAMATION = 0.85 ACRE

XTO024_BLM_RECLAIM_PAD.MXD 2010-11-21

JMAS
JOHNSON MAPPING AND SURVEYING, LLC
PO BOX 2174
FARMINGTON NM 87499-2174
505-360-8029
ALEX@JOHNSONMAPPING.BIZ

EXHIBIT F

MEMORANDUM OF SURFACE USE AGREEMENT

(Huber-Culhane #2-32 from the Huber-Culhane #1-32 Well Location)

This MEMORANDUM OF SURFACE USE AGREEMENT ("Memorandum") is provided by XTO Energy Inc., a Delaware Corporation, the address of which is 810 Houston Street, Fort Worth, TX 76102-6298 ("XTO or "Operator), and David A. Paul and Marie E. Paul, whose address is 2729 CR-228, Durango, Colorado 81301 ("Surface Owner").

Notice is hereby given that XTO and Surface Owner have entered in a Surface Use Agreement dated the 14th of March, 2011, concerning a proposed gas well known as the Huber-Culhane #2-32 (the "Additional Well") to be located on the well pad of an existing gas well known as the Huber-Culhane #1-32 (the "Existing Well") or reasonable expansion or modification thereof. Both wells are or will be located on the below described property and will be or have been drilled pursuant to underlying oil and gas lease(s) and applicable permits. Under the Surface Use Agreement, Surface Owner and Operator have agreed to certain specific matters in connection with XTO's right to use the surface estate of the following property:

> Tract B-1 of CULHANE, INC. / PAUL BOUNDARY ADJUSTMENT PROJECT NO. 94-210, according to the plat thereof filed for record on January 24, 1955, as Reception No. 681830, La Plata County, Colorado, which is situated in the NE1/4 of Section 32, Township-35-North, Range-08-West, N.M.P.M.

This memorandum constitutes notice to all interested parties of the existence of the Surface Use Agreement. Furthermore, any successor or assign of either XTO or Surface Owner shall be bound by the terms and conditions of the Surface Use Agreement. In the event that any party acquires any rights or interests in the surface estate of the Property, such rights or interests shall be subject to the terms and conditions set forth in the Surface Use Agreement. For more information, contact either XTO or Surface Owner.

Under Colorado Oil and Gas Conservation Commission (the "COGCC") Notice and Consultation Rules 305.e, 305.e(1)(A), 305.e(7), 306.a. and 306.a(3), Surface Owner acknowledges and agrees that Operator has complied with all notice and consultation requirements of COGCC Rules 305 and 306. The 305.e(7) Waiver being only applicable to planned drilling and completion activities under the aforementioned Surface Use Agreement. XTO in compliance with COGCC Rules shall provide Surface Owner Notice as required for all subsequent activities. Surface Owner also waives the right to receive notices under the La Plata County Code including, but not limited to, Section 90-77 of said Code.

SURFACE OWNER:

By: _____ Date: 3/14/2011
David A. Paul

By: _____ Date: 3/14/11
Marie E. Paul

OPERATOR:

XTO Energy Inc., a Delaware corporation

By: _____

Name: Edwin S. Ryan, Jr.

Title: Senior Vice President – Land Administration

EXHIBIT G

ACKNOWLEDGEMENTS

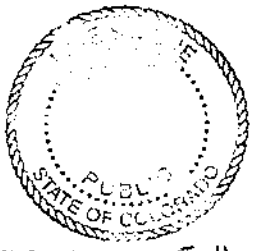
STATE OF Colorado)
)ss.
COUNTY OF La Plata)

This instrument was acknowledged before me this 14th day of March, 2011 by David A. Paul and Marie E. Paul, personally known to me.

WITNESS my hand and official seal.

Mike Sinore (SEAL)
Notary Public

MAY 11, 2014
My Commission Expires



My Commission Expires 5-11-14

STATE OF TEXAS)
) ss.
COUNTY OF TARRANT)

This instrument was acknowledged before me on the 27th day of March, 2011 by Edwin S. Ryan, Jr., Senior Vice President – Land Administration of XTO Energy Inc., a Delaware corporation, on behalf of said corporation.

WITNESS my hand and official seal.

Debra L. Hunter (SEAL)
Notary Public

Jan 28, 2012
My Commission Expires

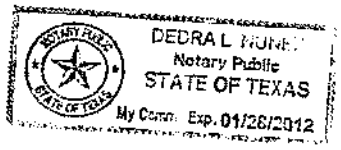


EXHIBIT G

Operator Certification:

a. Permitting and Compliance:

Kelly Kardos
Permitting Supervisor
XTO Energy Inc.
PO Box 6501
Englewood, CO 80155
303-397-3727

b. Drilling and Completions:

Justin Niederhofer
XTO Energy Inc.
PO Box 6501
Englewood, CO 80155
303-397-3719

c. Certification:

I hereby certify that, I or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or XTO Energy Inc., are responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this **10th** day of **July 2013.**

Signature: Kelly Kardos
Kelly Kardos