

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		CONFIDENTIAL		5. Lease Serial No. COC58705	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone				6. If Indian, Allottee or Tribe Name	
2. Name of Operator ROBERT L BAYLESS, PRODUCER-LL		Contact: HABIB GUERRERO E-Mail: hguerrero@rlbayless.com		7. If Unit or CA Agreement, Name and No.	
3a. Address PO BOX 168 FARMINGTON, NM 87499		3b. Phone No. (include area code) Ph: 505-326-2659 Ext: 810 Fx: 505-326-2659		8. Lease Name and Well No. WEAVER RIDGE 23-7H	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNE 2356FNL 2278FEL 39.947501 N Lat, 109.034681 W Lon At proposed prod. zone NWNW 299FNL 954FWL 39.953149 N Lat, 109.023170 W Lon		9. API Well No.		10. Field and Pool, or Exploratory BANTA RIDGE	
14. Distance in miles and direction from nearest town or post office* 22 MILES SOUTHWEST OF RANGELY, COLORADO		12. County or Parish RIO BLANCO		13. State CO	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2278 FT- LEASE LINE		16. No. of Acres in Lease 978.00		17. Spacing Unit dedicated to this well	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2250 FT FROM EXISTING WEAVER RIDGE 23-10 W54LMD		19. Proposed Depth 5271 TVD		20. BLM/BIA Bond No. on file CO-0833	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6800 GL		22. Approximate date work will start 07/01/2012		23. Estimated duration 22 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 (Electronic Submission)	Name (Printed/Typed) HABIB GUERRERO Ph: 505-326-2659 Ext: 810	Date 04/03/2012
Title OPERATIONS ENGINEER		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify 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.

Additional Operator Remarks (see next page)

Electronic Submission #134588 verified by the BLM Well Information System
For ROBERT L BAYLESS, PRODUCER LL, sent to the Meeker

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional Operator Remarks:

- * APD fees has been mailed on a separate check to the BLM White River Office.
- * Other required attachment, such as shape files will be emailed separate.

- * The new wellpad includes the original area of disturbance of the existing Weaver Ridge 23-10 pad and it will be expanded to accommodate 2 additional wells.

- * An archeological cultural and historical survey of the area has been performed on February 06, 2012 and submitted separately by the Grand River Institute to the BLM White River office.

- * Bayless primary method is to utilize a closed-loop drilling system to contain drilling cuttings and fluids as shown on exhibit 6. In this case a lined reserve pit (secondary method) will not be necessary. If it is determined that the closed loop system is inadequate Bayless will notify the White River Resource Area Manager by sundry notice that a reserve pit will be used.

- * No oil based Muds will be used.

ROBERT L. BAYLESS, PRODUCER LLC.



30125
30125
REGISTERED LAND SURVEYOR
REGISTRATION # 30125
STATE OF CALIFORNIA LAND SURVEY

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 12-14-11	SURVEYED BY: PAUL
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DATE DRAWN: 12-28-11	DRAWN BY: R.B.T.
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REVISED: 03-27-12 - M.W.	SCALE: 1" = 1000'
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NAD 83 (SURFACE LOCATION)

LATITUDE = 39°56'51.00"
(39.947501)

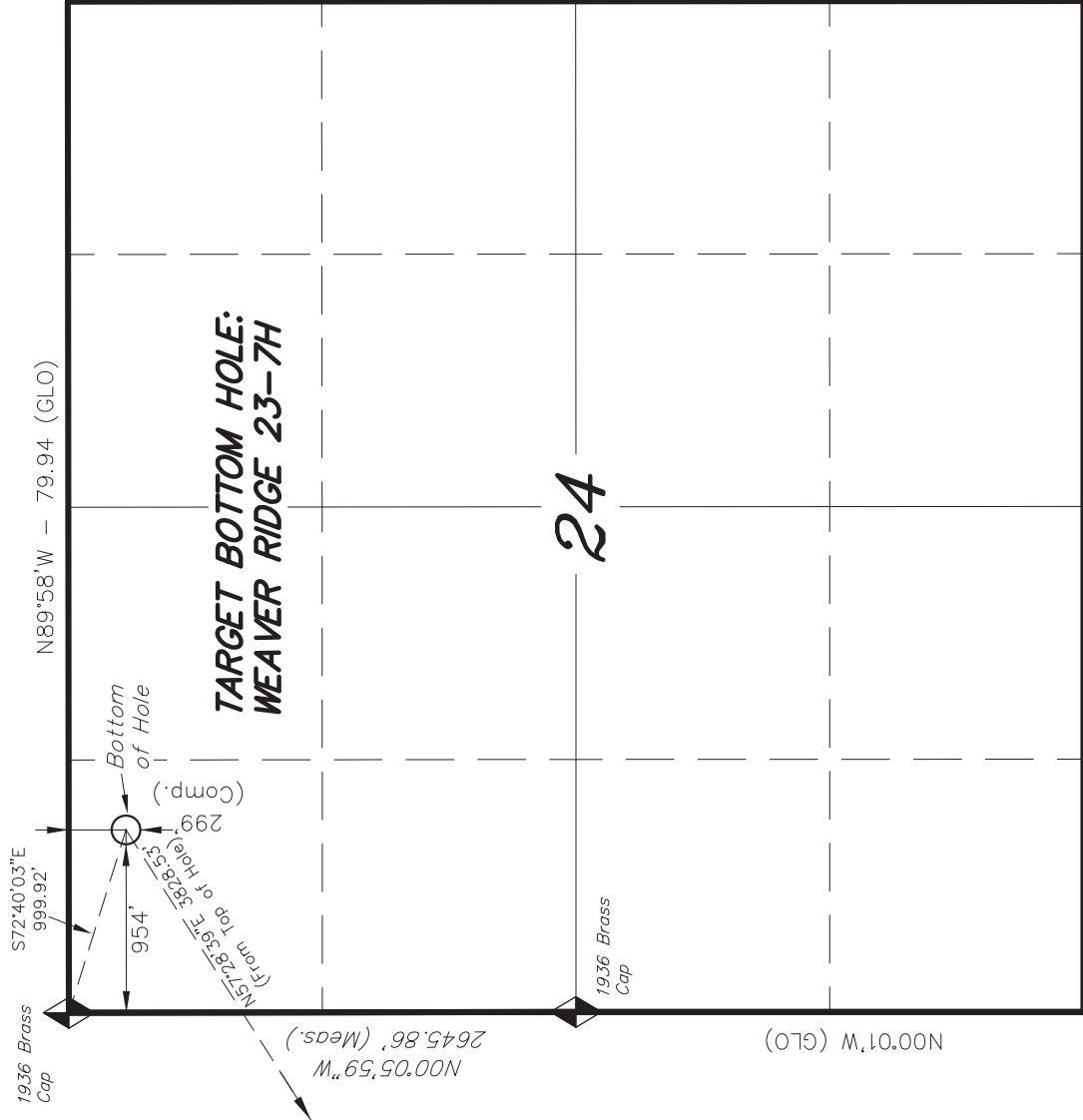
LONGITUDE = 109°02'04.85"
(109.034681)

 = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min
QUAD (WEAVER RIDGE)

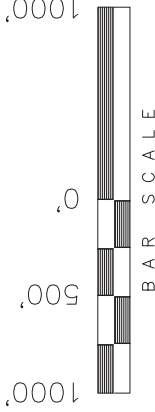
T1S, R104W, 6TH P.M.

ROBERT L. BAYLESS, PRODUCER LLC.



N00°W (GLO)

TARGET BOTTOM HOLE, WEAVER RIDGE 23-7H, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 24, T1S, R104W, 6TH P.M., RIO BLANCO COUNTY, COLORADO.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF NATURAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION. THE LOCATION HAS BEEN STAKED ON THE GROUND AS SHOWN ON THE PLAT, AND THAT THE STAKES ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

03-27-12
30125
REGISTERED LAND SURVEYOR
REGISTRATION NO. 30125
STATE OF COLORADO

79.92 (GLO)

SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (WEAVER RIDGE)

NAD 83 (BOTTOM HOLE)	
LATITUDE	= 39°57'11.34" (39.953149)
LONGITUDE	= 109°01'23.41" (109.023170)

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. — VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 12-14-11	SURVEYED BY: PAUL
DATE DRAWN: 12-28-11	DRAWN BY: R.B.T.
REVISED: 03-27-12 — M.W.	SCALE: 1" = 1000'

ROBERT L. BAYLESS, PRODUCER LLC.

WELL PAD INTERFERENCE PLAT

WEAVER RIDGE 23-10 (Existing Well)

WEAVER RIDGE 23-7H (Proposed Well)

Pad Location: SWNE Section 23, T1S, R104W, 6th P.M.

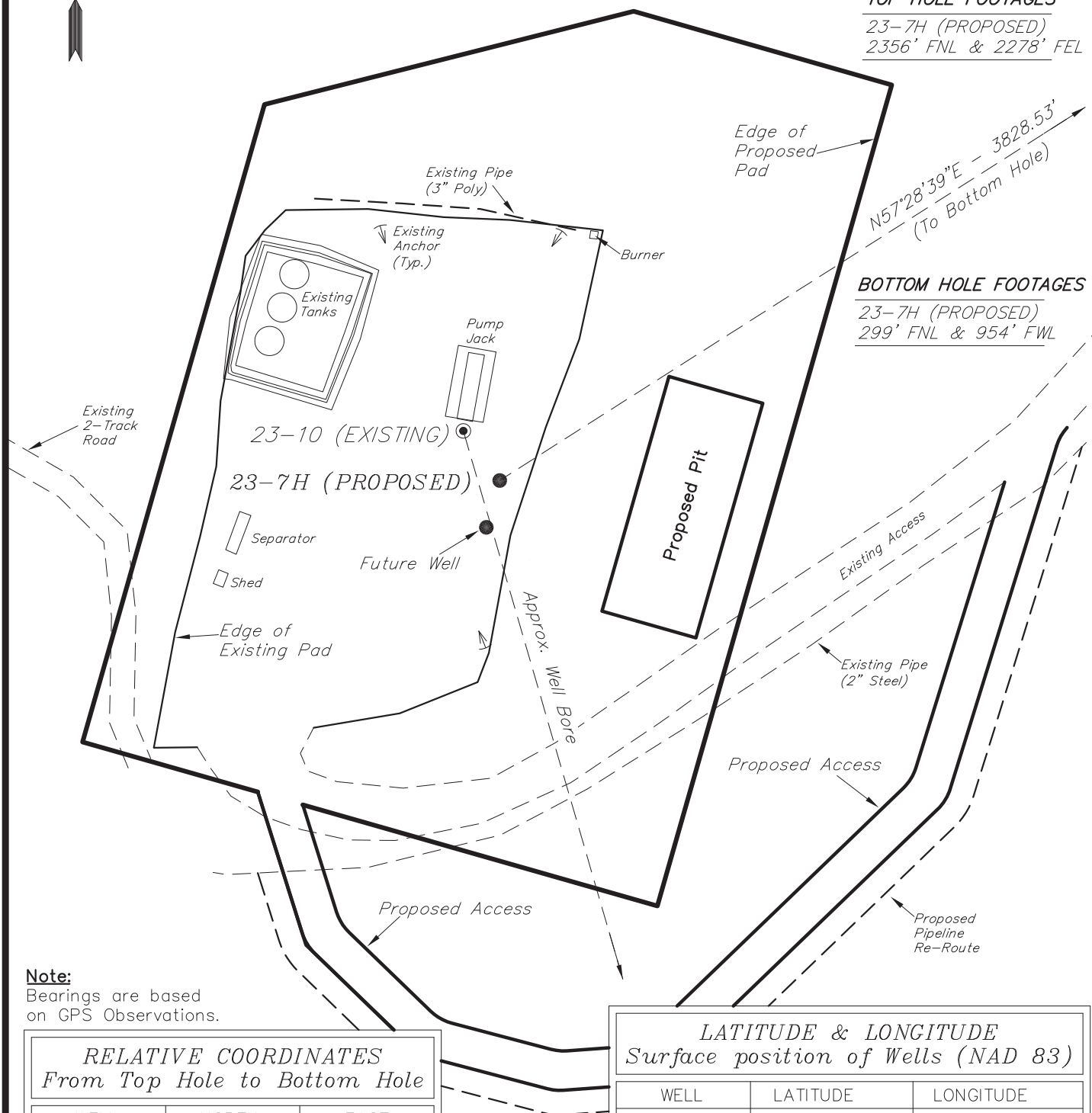


TOP HOLE FOOTAGES

23-7H (PROPOSED)
2356' FNL & 2278' FEL

BOTTOM HOLE FOOTAGES

23-7H (PROPOSED)
299' FNL & 954' FWL



Note:
Bearings are based
on GPS Observations.

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
23-7H	2,058'	3,228'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
23-10	39° 56' 51.21"	109° 02' 05.04"
23-7H	39° 56' 51.00"	109° 02' 04.85"

SURVEYED BY: PAUL DATE SURVEYED: 12-14-11
 DRAWN BY: R.B.T. DATE DRAWN: 12-28-11
 SCALE: 1" = 60' REVISED: M.W. - 03-27-12

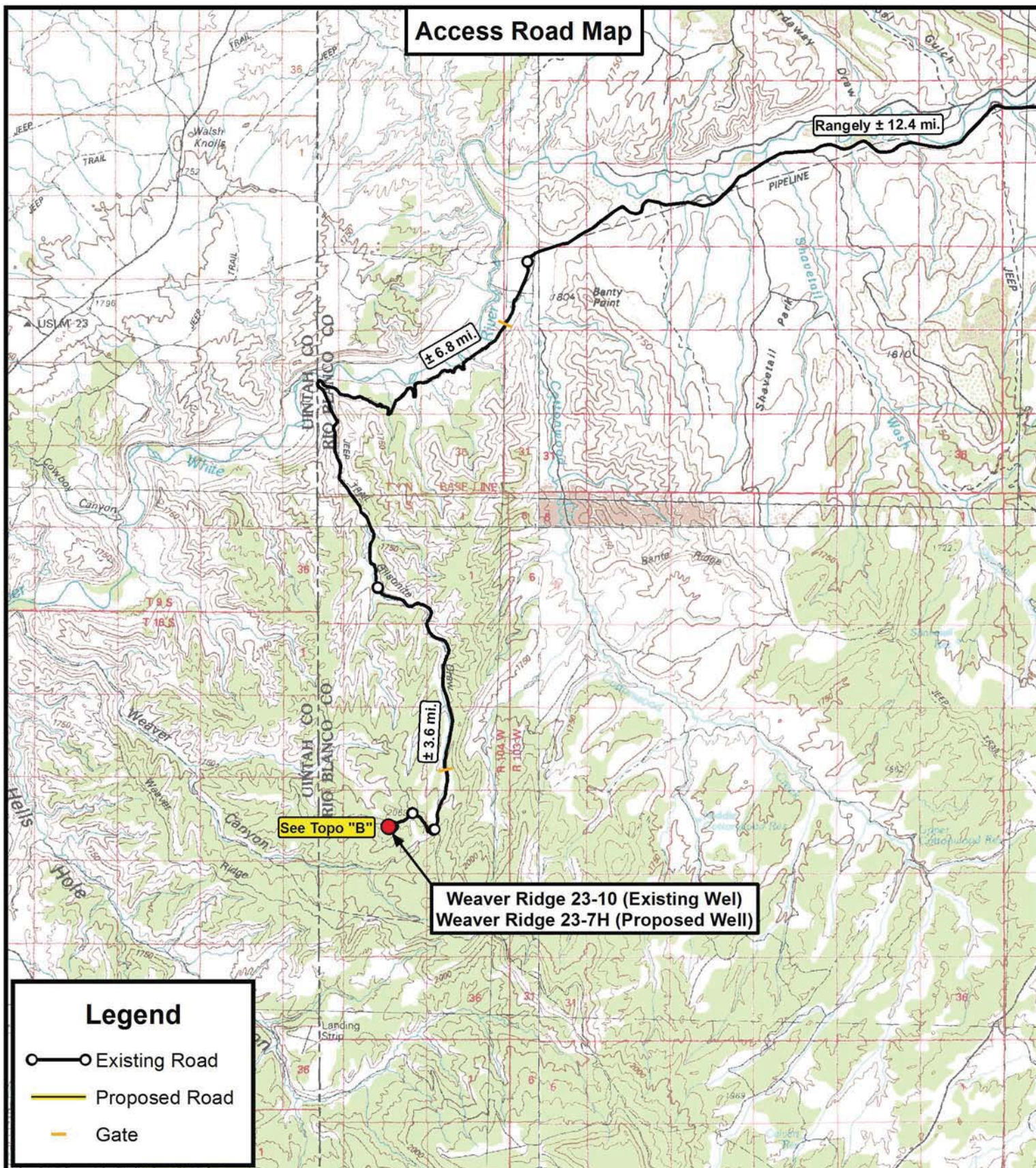
Tri State

Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Access Road Map



Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518

**ROBERT L. BAYLESS PRODUCER LLC.**

Weaver Ridge 23-10 (Existing Well)
 Weaver Ridge 23-7H (Proposed Well)
 SEC. 23, T1S, R104W, 6th P.M.
 Rio Blanco County, CO.

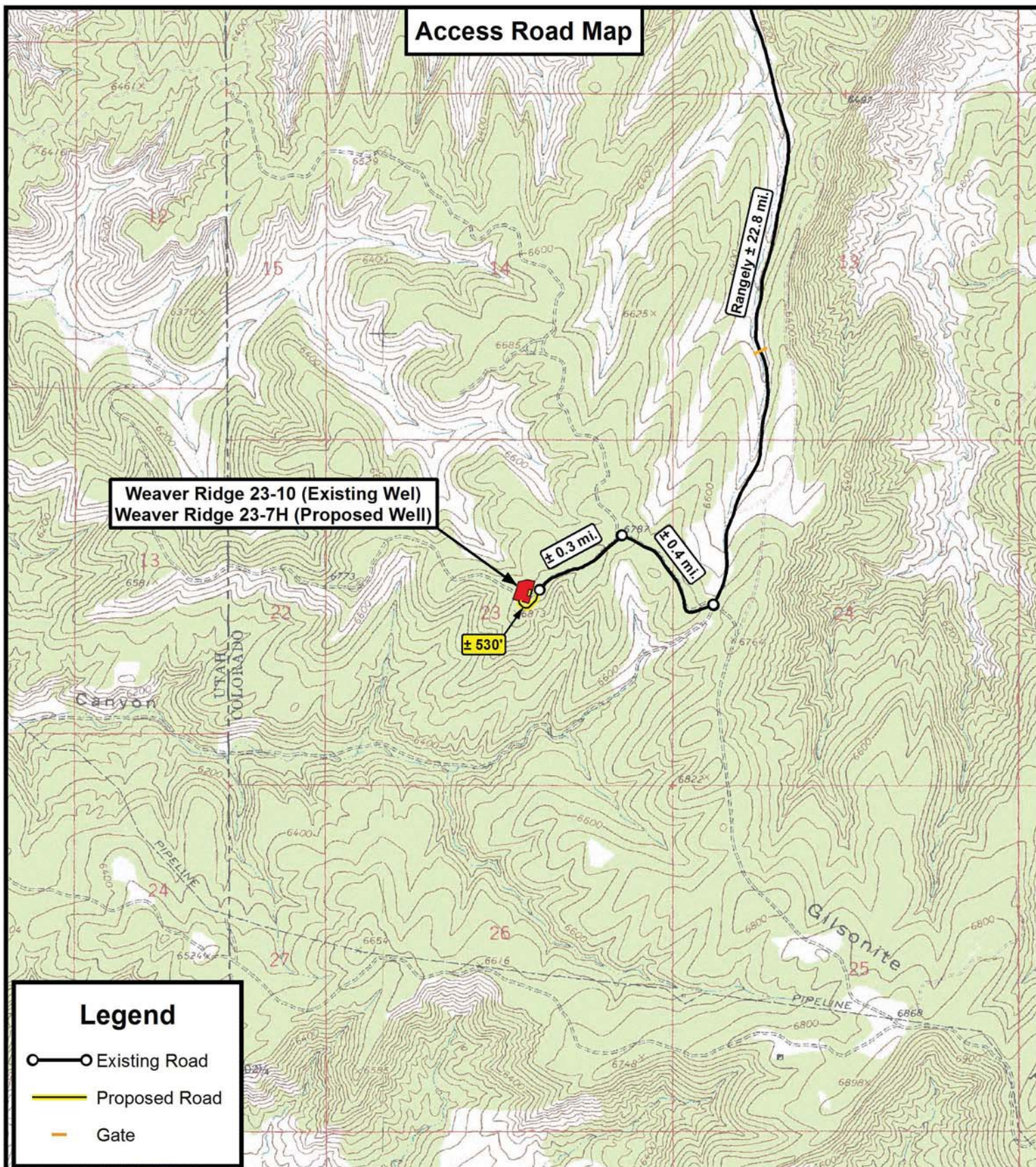
DRAWN BY:	D.C.R.	REVISED:	03-27-12 D.C.R.
DATE:	01-03-2012		
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

A

Access Road Map



Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518

**ROBERT L. BAYLESS PRODUCER LLC.**

Weaver Ridge 23-10 (Existing Well)
 Weaver Ridge 23-7H (Proposed Well)
 SEC. 23, T1S, R104W, 6th P.M.
 Rio Blanco County, CO.

DRAWN BY:	D.C.R.	REVISED:	03-27-12 D.C.R.
DATE:	01-03-2012		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP




SHEET

B

Proposed Pipeline Map

Weaver Ridge 23-10 (Existing Well)
Weaver Ridge 23-7H (Proposed Well)

Legend

-  Existing Road
-  Proposed Road
-  Proposed Pipeline Reroute

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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ROBERT L. BAYLESS PRODUCER LLC.

Weaver Ridge 23-10 (Existing Well)
Weaver Ridge 23-7H (Proposed Well)
SEC. 23, T1S, R104W, 6th P.M.
Rio Blanco County, CO.

DRAWN BY:	D.C.R.	REVISED:
DATE:	03-27-2012	
SCALE:	1" = 2,000'	

TOPOGRAPHIC MAP

SHEET

D

Robert L. Bayless, Producer LLC

DRILLING PROGRAM

(Attachment to Form 3160-3)

Weaver Ridge 23-7H

SHL: 2356' FNL & 2278' FEL (SWNE) Section 23, T1S R104W
BHL: 299' FNL & 954' FWL (NWNW) Section 24, T1S R104W
Rio Blanco County, Colorado

1. SURFACE FORMATION -

Green River Formation – Fresh water possible above 300'.

SURFACE ELEVATION 6800 ft (Ground Elevation)

2. ESTIMATED FORMATION TOPS (Water, oil, gas and/or other mineral-bearing formations)

Green River	Surface	Sandstones, shales, siltstones, some water, oil or gas bearing
Wasatch	1,980 ft	Sandstones, shales, siltstones, some water, oil or gas bearing
Mesaverde	2,397 ft	Sandstones, shales, siltstones, some water, oil or gas bearing
Sego	3,488 ft	Sandstones, shales and siltstones, some water and gas bearing
Buck Tongue	3,761 ft	Sandstones, shales and siltstones, some water and gas bearing
Castlegate	3,986 ft	Sandstones, shales and siltstones, some water and gas bearing
Mancos	4,116 ft	Shales and siltstones, some water and gas bearing
Mancos A	4,919 ft	Shales and siltstones, some water and gas bearing
Mancos B	5,264 ft	Shales and siltstones, some water, oil and gas bearing
Total Measured Depth 8,754 ft		

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

Green River Formation – Fresh water possible above 300'.
Mancos B – 5,729' – 8,754' Gas/Oil - Lateral Measured Depth

Water Zones will be protected by setting 9 5/8" new casing to 500 ft and circulation cement back to surface. All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth, and adequately protected. A sample will be taken of any water flow and furnished to the White River Field Office for analysis, if requested. All water shows must be reported within one (1) business day after being encountered.

4. CASING PROGRAM

(See attached surface casing and centralizer design – Exhibit 2)

Interval (MD)	Hole Diameter	Casing Diameter	Casing Weight and Grade	Section	Cement *
Conductor	20"	14"	(0.25 wall) - (New)	Cond	Class G Cement to Surface ±80 sx
Surf – 500 ft	12-1/4"	9-5/8"	36# J-55 ST&C (New)	Surface	To surface with ±290 sxs Class "G"
500 – 5750 ft	8-3/4"	7"	23# J-55 LT&C (New)	Intermediate	Lead: ±190 sx Premium Lite II (3800 ft - surface) Tail: ±310 sx 50:50 Pozmix G (3800 ft – 5751 ft)
5750– 8,754 ft	6 1/8"	*4-1/2"	*11.6# I-80 LT&C (New)	*Liner	*Liner will not be cemented.

* 4-1/2" liner will not be cemented.

*Yields: "Class G" = 1.15 ft³/sx
"Premium Lite II" = 3.82 ft³/sx
"50:50 Pozmix G" = 1.26 ft³/sx

- Cement volumes are based on gauge hole and will be revised as necessary (Caliper data or mud log) to ensure coverage of all fresh water and hydrocarbon bearing formations.
- 9 5/8" Surface Casing will be cemented to surface. Cement calculation were performed with 100% excess. Actual Cement Volumes will be determined from caliper log.
- 7" Intermediate casing will remain in place from surface to 5750 ft and it will be cement to surface with 30 % excess. Actual Cement Volumes will be determined from caliper log
- All casing will be in new condition.
- Conductor and surface casing may be pre-installed and cemented by a smaller conventional air/mist drilling rig.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

(See attached BOP schematic diagram – Exhibit 3)

All well control equipment shall be installed in accordance with Onshore Order #2 for 3M (3000 psi) systems.

Well control equipment will be installed and tested before drilling out of surface casing.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram (Exhibit 3) showing size and pressure readings. BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing (subsequent pressure test will be performed whenever pressure seals are broken), and then will be checked daily as to mechanical operating condition. BOP's will be pressure tested at least once every 30 days. Ram type preventors and related pressure control equipment will be pressure tested to rated working pressure of the stack assembly if a test plug is used. If a plug is not used, the stack assembly will be tested to the rated working pressure of the stack assembly or to 70% of the minimum internal yield of the casing, whichever is less. Annular type preventors will be pressure tested to 50% of their rated working pressure. All casing strings will be pressure tested to 0.22 psi/ft. or 1500 psi, whichever is greater, not to exceed 70% of internal yield.

6. MUD PROGRAM

Interval	Mud Type	Weight	Viscosity	Water Loss (cc)
0 - 500	KCL/polymer system	8.4 - 8.6	38 - 42	6-8
500-5750	KCL/polymer system	8.4 - 9.4	45 - 60	6-8
5750-8750	KCL/polymer system	9.4 - 9.8	60 - 80	3-5

Sufficient inventory of mud materials to maintain mud properties, control lost circulation and to contain "kick" will be available at the well site while drilling. Mud will be checked hourly by rig personnel. Material to soak up possible oil or fuel spills will be on site. A mud logger, gas detector and flow sensor will be used. Pressure, volume and temperature will be monitored. It is not intended to use oil in the mud.

7. AUXILIARY EQUIPMENT

- A) Upper and lower kelly cocks - will be available on rig floor
- B) Inside BOP or stab-in valve (available on rig floor)
- C) Mud monitoring will be visually observed

8. LOGGING, CORING, AND TESTING PROGRAM

- A) Logging: The electric logging program will consist of a Gamma Ray and Resistivity While drilling from KOP (4504 ft) to TD
- B) Coring: No coring is planned for this well.
- C) Testing: No DSTs are planned. A DST may be run on an unexpected show of interest.
- D) Mud Logging: Mud logger will be present from 500 ft to TD.

9. ABNORMAL CONDITIONS

- A) Pressures: No anticipated abnormal pressures expected to be encountered
Mancos formation pressure gradient-approximately 0.42 psi/ft
- B) Temperatures: No anticipated abnormal temperatures expected to be encountered
- C) H₂S: No Hydrogen Sulfide expected
- D) Anticipated bottom-hole pressure: less than 2,226 psi

10. ANTICIPATED START DATE AND OTHER INFORMATION

The anticipated starting date and duration of the drilling operations will be as follow:

- Starting date: July 01, 2012
- Drilling Days: Approximately 22 days
- Completion Days: Approximately 5 days

The well will be drilled from surface location to bottom hole location per attached directional plan as shown on exhibit 8. The proposed well path should not pose any collision or interference concerns with any existing wells along its proposed path (see exhibit 1B).

Footage at top of Productive Zone (intermediate casing shoe) 1924' FNL & 1601' FEL, Sec 23 T1S R104W.

The new location pad will be of sufficient size to accommodate all completion activities and equipment. All conditions of this approved plan will be applicable during all drilling and completion operations.

Robert L. Bayless, Producer LLC**Weaver Ridge 23-7H**

SHL: 2356' FNL & 2278' FEL (SWNE) Section 23, T1S R104W

BHL: 299' FNL & 954' FWL (NWNW) Section 24, T1S R104W

Rio Blanco County, Colorado Federal Lease: COC-058705

SURFACE CASING AND CENTRALIZER DESIGN

Proposed Total Vertical Depth:	5,271 ft	Proposed Depth of Surface Casing:	500 ft
Estimated Pressure Gradient:	0.42 psi/ft		
Bottom Hole Pressure at 5,271 ft		Hydrostatic Head of gas/oil mud:	0.22 psi/ft
0.42 psi/ft x 5,271 ft =	2,214 psi	0.22 psi/ft x 5,271 ft =	1,160 psi

Maximum Design Surface Pressure

Bottom Hole Pressure	–	Hydrostatic Head	=	
(0.42 psi/ft x 5,271 ft)	–	(0.22 psi/ft x 5,271 ft)	=	
2,214 psi	–	1,160 psi	=	1,054 psi

Casing Strengths 9-5/8" J-55 36.0 #/ft ST&C

<u>Wt (#/ft)</u>	<u>Tension (lbs)</u>	<u>Burst (psi)</u>	<u>Collapse (psi)</u>
36.0	394,000	3,520	2,020

Safety Factors

Minimum Standards:	Tension (Dry): 1.8	Burst: 1.0	Collapse: 1.125
Tension (Dry): Casing Weight:	36.0 #/ft x 500 ft	=	18,000 lbs
Safety Factor:	394,000 lbs / 18,000 lbs	=	<u>21.89</u> OK
Burst:	Safety Factor: 3,520 psi / 1,054 psi	=	<u>3.33</u> OK
Collapse:	Hydrostatic: 0.052 x 9.0 ppg x 500 ft	=	234 psi
Safety Factor:	2,020 psi / 234 psi	=	<u>8.63</u> OK

Use: 500 ft of 9 5/8" J-55 36.0 #/ft ST&C casing – "New Condition"Use: 3M BOPE and casinghead**Centralizers**

Use 6 total

- 1 middle of bottom joint
- 1 top of second joint
- 1 top of third joint
- 1 every other joint (±80 ft)

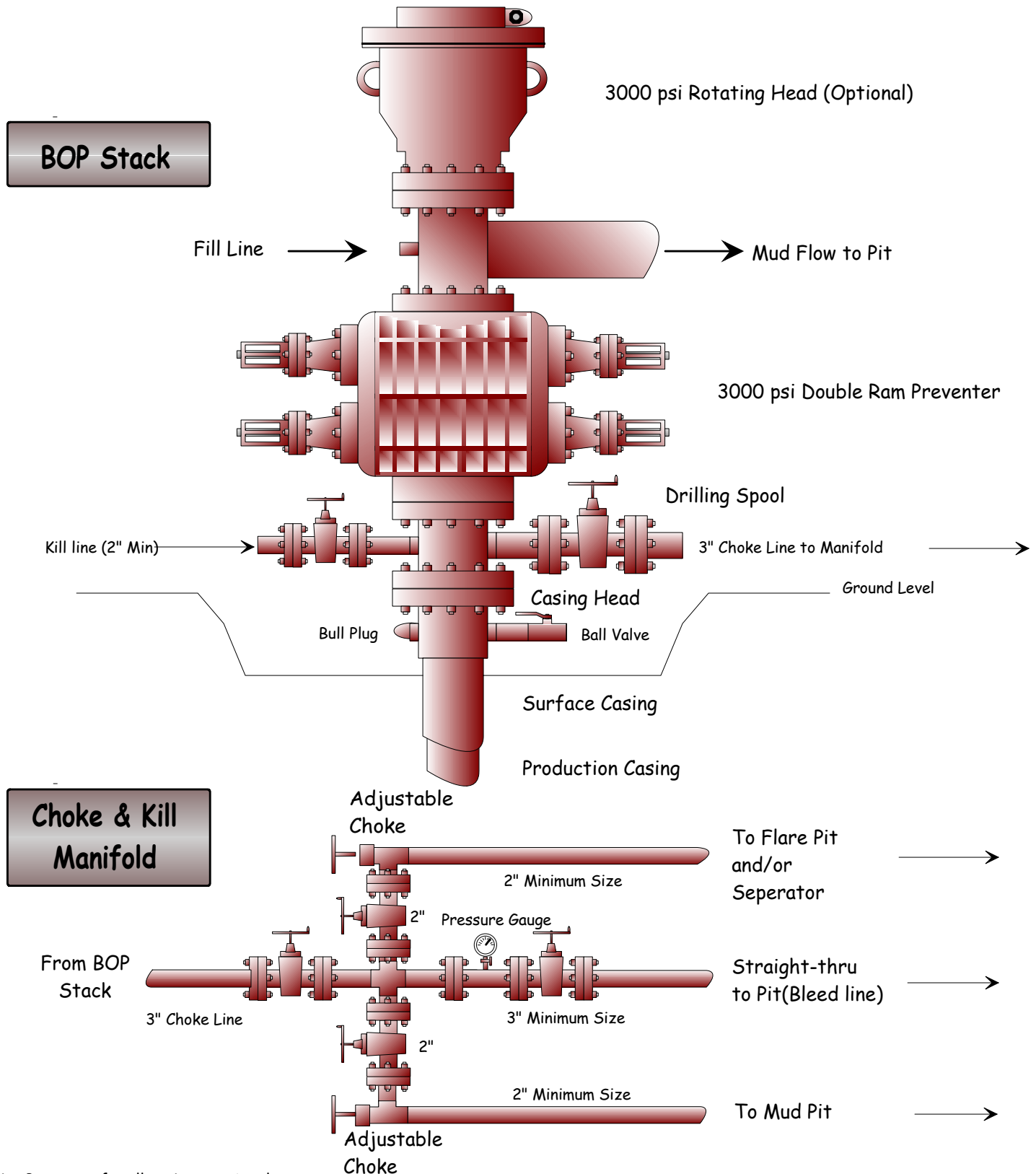
Total centralized ± 420 ft

Note that field experience indicates that additional centralizers greatly increase the chance of "sticking" the surface casing prior to reaching surface casing total depth.

Robert L. Bayless, Producer LLC

BOP and Choke Manifold For 3000 psi Service

Weaver Ridge #23-7H



Working Pressures for all equipment, Annular Preventor and both rams are rated to 3000 psi or greater

Robert L. Bayless, Producer LLC

Weaver Ridge 23-7H

SHL: 2356' FNL & 2278' FEL (SWNE) Section 23, T1S R104W
BHL: 299' FNL & 954' FWL (NWNW) Section 24, T1S R104W
Rio Blanco County, Colorado
Federal Lease: COC-058705

SURFACE USE PLAN

(Attachment to Form 3160-3)

WELL LOCATION AND INTRODUCTION

The surface location of this proposed horizontal well is 2356' FNL & 2278' FEL (SWSE) Section 23, of T1S R104W with bottom-hole location at 299' FNL & 954' FWL (NWNW) Section 24, of T1S R104W. The new wellpad includes the original area of disturbance of the existing Weaver Ridge 23-10 pad and it will be expanded to accommodate 2 additional wells. The well site was surveyed and staked on December 14, 2011 by Tri State Land Surveying and Consulting for Robert L. Bayless, Producer LLC (Bayless). Onsite meetings with BLM occurred on March 15, 2012. Present were Jay Johnson – BLM, David Kubeczko and Jacob Davidson – COGCC, Jeff Heinle – ETC, Rex Allen – EnCana, Paul Hawkes – Tri State Land, Bill Buniger – Buniger Construction, Tom McCarthy and Habib Guerrero – Bayless.

The White River Resource Area Manager will be notified 24 hours prior to commencing construction of the drillsite, 24 hours notice prior to commencing completion operations and 24 hours prior to commencing reclamation work.

DIRECTIONS TO LOCATION

Begin at the west end of Rangely, Colorado at the intersection of Highway 64 and County Road 2 (River Road), and travel southerly on County Road 2 for approximately 8.1 miles to the end of pavement. Stay on county road 2 for another 3.9 miles, cross the bridge and turn left. Travel 6.8 miles and veer left. Travel 3.6 miles and turn right at the intersection. Travel 0.3 miles up the hill and turn left to the proposed location. There are two gates located on private land, both of which must be passed through during route. Both are shown on exhibit 1B.

1) EXISTING ROADS

- A) The proposed well is a development/confirmation well to be drilled from the previously disturbed ground of the existing Weaver Ridge 23-10 wellpad. The proposed well has been staked and reference stakes are present. Please refer to sheets P1 to P3 for location photos and proposed well as staked. All existing roads in the area of the drill site are shown on exhibit 1B (Topographic maps "A & B").
- B) The last (+/- 530 ft) of the existing access road to the Weaver Ridge 23-10 location will be re-routed to facilitate the expansion of the new pad. Exhibits 1A and 5 show the existing access road.
- C) A BLM road ROW was requested on the APD for the Weaver Ridge 23-10 location when originally filed; the existing upgraded ROW will be utilized.
- D) All existing roads within 1.0 mile of the drill site consist of BLM existing dirt and gravel resource road to the edge of the proposed location which will provide access.
- E) All existing county roads use for access the subject well will be coordinated with Rio Blanco County road department. Non-county roads will be maintained to BLM Manual 9113 standards. Maintenance will be done prior to the commencement of operations and will continue until final abandonment and reclamation of the wellpad

location. Improvement and/or maintenance plans may include grading, watering for compaction/dust control, ditch maintenance, erosion control, slope stabilization and ROW treatment for noxious weeds, and road closures during periods of excessive soil moisture. Weed control will be performed by certified applicator and conform to the Pesticide Use Proposals (PUP) filed with BLM.

- F) BLM Best Management Practices (BMP's) as outlined in the "Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development" (the Gold Book) will be utilized for all construction and operational activity related to this facility.
- G) Erosion control (wattles, straw bales and ditches) for the re-routed access road and wellpad will be used and placed to control drainage where needed. No culverts are required.

2) NEW or RECONSTRUCTED ACCESS ROADS

- A) The last (+/- 530 ft) of the existing access road to the Weaver Ridge 23-10 location will be re-routed towards south to facilitate the expansion of the new pad. Exhibits 1A and 1C show the proposed access road. The construction of the re-routed portion of the road will not interfere with the access and traffic of the existing 2 track road BLM 1220 that continues west past the Weaver Ridge 23-10 wellpad. Exhibits 5A and 5C show the existing 2-track road.
- B) At final reclamation of this wellpad, those portions of BLM road 1220 that were upgraded to access the Weaver Ridge 23-10 well will be restored to the original condition it was prior to the WR 23-10 well being permitted.
- C) No additional access roads are planned or will be constructed to access the existing wellpad or production facilities in this well site.
- D) If needed, the existing road will be surfaced to provide "all weather" access using a 6" compacted road base aggregate. Aggregate for road surfacing will be hauled over existing roads from commercial sources in Rio Blanco County such as Connell Gravel Pit, Urie Rock Company and Maybell Enterprises.

Road Design Criteria

- E) New access roads will be designed to BLM Manual section 9113 standards for road shape and drainage features at all the times during construction, drilling and production. The new access road will feature a cleared width of approximately 40 ft with an 18 ft travel/running surface. Road will be crowned with 2% cross-slope.
 - i. The maximum grade for the access road will not exceed 6%.
 - ii. No turnouts will be required for the new relocated access road.
 - iii. No significant drainages are crossed with the new/ relocated access road.
 - iv. No culvert will be installed.
 - v. No fence crossing /cattle guards are required for this access road.
- F) The proposed new/relocated access road will be staked prior to construction
- G) Dust control measures will be implemented during dry weather when necessary.
- H) No fence crossing or cattle guards are required for this well site.
- I) Road will be surfaced to provide "all-weather" access using 6" compacted road base aggregate for road surfacing in Rio Blanco county (ie. Connell Gravel Pit, Urie Rock Company and Maybell Enterprises).

Road Construction and Maintenance

- J) The new re-routed access road will be designed, constructed and maintained to BLM Manual section 9113 standards for "local Road" classification.

- K) Available topsoil will be removed from the disturbed area and stored in low profile stockpiles at the ROW limits as shown on the location layout and cross section diagrams, Exhibits 5A & 5B. Following construction of the main wellpad/production facilities access road, the topsoil will be re-spread on the disturbed area (ditch and road slopes) and reseeded with an approved seed mixture #3. ROW reclamation will conform to the description provided in Section 10 of this document.
- L) Bayless assumes the responsibility of maintenance of the access roads. The use of access roads shall be limited to BLM personnel, Bayless and its authorized representatives, contractors, and subcontractors and shall be limited to business purposes. Bayless shall be responsible for all persons authorized by Bayless to use such roads and shall be responsible for any damage, the proximate cause of which is occasioned by such use, whether damage occurs through the use of Bayless, its personnel, agents, contractors, or subcontractors.
- M) Road maintenance will be performed on a "level 4" standard as defined under BLM handbook. During active operations, roads will be inspected, at minimum, each 30 days and measures taken to address any noted issues. Frequency of inspection will be increased following major precipitation/runoff events or during periods of high traffic activity. Maintenance will include :
 - a. Grading and shaping of the roadway surface to maintain a distinct crown to move
 - b. Water rapidly off the road surface. Replace aggregate surfacing as necessary.
 - c. Cleaning /reshaping ditches when necessary to maintain adequate flow capacity.
 - d. Repair of slope protection, energy dissipation or other storm water control BMP's.
 - e. Trimming roadside vegetation for sight distance and traffic safety.
 - f. Repair/ replacement of damaged road safety and regulatory signs.
 - g. Watering for compaction/ dust control, ditch maintenance and ROW treatment for noxious weeds.
- N) Noxious weed control will be performed by certified subcontractor. The pesticides use will conform to applicable Pesticide Use Proposal (PUP) filed with the BLM for the Piceance Field Area.

3) **LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION**

The topographic map "C" (Exhibit 4B) shows all existing water, drilling, abandoned disposal, injection, shut-in, producing, observation wells and production facilities within a 1 mile radius of the proposed location.

Water Wells:	None	
Abandoned wells:	2	
Temporary abandoned wells:	None	
Disposal wells:	None	
Drilling Wells:	None	
Producing Wells:	12	See Topo Map C
Shut-in Wells:	None	
Injection Wells:	None	
Monitoring or Observation Wells:	None	

4) **LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES**

- A) Existing facilities used for production of the Weaver Ridge 23-10 well, consisting of three 400 barrel production tanks, one separator, one flare stack, pump jack and meter house are shown on exhibits 1A and 5A. The pumping unit, flare stack (Burner) and 3" surface poly line may be removed prior to the commencement of operations to conduct safe drilling and completion operations. Unused areas of the wellpad will be reclaimed, as described in Section 10 of this document, following drilling and completion operations.

- B) No additional gathering lines for natural gas production will be constructed for this or future wells. The last (+/- 545 ft) of the existing 2" surface pipeline owned and operated by Energy Transfer (ETC) will be relocated the south of the re-routed portion of the access road to facilitate the expansion of the pad. The subject well will tie into the existing 2" surface gathering line that currently services the Weaver Ridge 23-10 well. Exhibits 1A and 1D shows the existing and proposed relocation of the 2" surface gas gathering line.

Production Facilities Description:

- C) The existing wellpad will be expanded toward the northeast and southeast of the existing Weaver Ridge 23-10 wellpad to accommodate at least 2 future wells.
- i. The proposed facilities will consist of an underground flow line from each wellhead to a manifold system. The manifold system will allow a full well stream from each well to flow either to the production separator or the production separator. The 3-phase production separator will be used to separate gas, condensate and water from individual wells. The daily production will be allocated back based on each gas meter to each well.
 - ii. Gas will flow from the production separator to the sales measurement unit through a buried 2" flow line before leaving the wellpad. Condensate production rates of individual wells will be allocated back based on condensate production measurements taken via the production separator and tank gauges. Condensate from the pad will be sold via trucking.
 - iii. The gas measurement facilities will be installed on the well location. Gas meter will be calibrated in place prior to any deliveries. A copy of the meter calibration reports will be submitted to the BLM Field Office upon request. All meter measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standard for natural gas measurements.
 - iv. The flowlines will be buried in a common trench with minimum 3' of cover. BMPs will be utilized to minimize potential impacts from the pipeline construction. Woody debris material will be cleared and rolled to the downgradient side of the right-of-way where feasible to act as brush barrier. Topsoil will be stored on one side of the proposed trench (the upgradient side where feasible) and will be kept within the existing right-of-way. Topsoil will be kept separate from the spoils. Spoil stockpiles from trench excavation will either be stored between the topsoil and the trench or on the opposite side of the trench from the topsoil. Wattles may be installed on the downgradient boundary of stockpiles when there is potential for sediment to leave the pipeline right-of-way. Once the flowline has been installed, the trench will be backfilled with the excavated spoils and compacted as required by the specifications. The topsoil will then be spread back across the disturbed area.
 - v. A metal containment will be place around production tanks. This containment will be able to contain at least 100% of the volume of the largest production tank.
- D) Production facilities may vary according to actual reservoir discovered and will be engineered upon completion of well tests. If a tank battery is constructed on this lease, it will be surrounded by a dike or metal berm of sufficient capacity to contain 1½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement will conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Orders No. 4 & 5.
- E) No facilities will be constructed off location.

- F) Production equipment will be painted light reflective colors to limit evaporation and waste of liquid hydrocarbons. All above ground permanent structures including production equipment will be painted to blend with the surrounding landscape. The color Juniper Green was specified by the BLM at the onsite. All above ground equipment will be painted and maintained through the life of the wells.
- G) All undesirable events (fires, accidents, blowouts, spills) as specified in Notice to Lessees (NTL-3A) will be reported to the White River BLM Field Office. Major events will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than major events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly report of the Operations and Production (Form 3160-6).
- H) All production facilities will comply with federal rules regarding noise. Regardless of whether the operation is at the construction, drilling or production phase, adequate muffling techniques, if necessary, will be applied.
- I) Bayless will contract with a State Certified applicator licensed to work on public land, and treat all state and county identified noxious weed species at least annually, on all facilities associated with this well. Approval shall be documented in writing by the BLM Authorized Officer (AO). The applicator must operate under an approved and approved pesticide use proposal (PUP) application from the BLM. Use of pesticides and herbicides will comply with the applicable Federal and State laws.
- J) The disturbed area will be reseeded, as part of final reclamation using a BLM approved seed mixture. Seeding success will be periodically evaluated. Successful vegetation is expected within two growing seasons. In the event that seeding does not appear to germinate, areas will be reseeded.

5) LOCATION AND TYPE OF WATER SUPPLY

Fresh water to be used for the drilling of this well will be hauled by truck over the existing access roads in the area, from the Rangely City water supply which is approximately 22 miles northeast of the proposed location. Humboldt Incorporated and RN Industries will haul water for Bayless. Exhibit 9 shows the anticipated water sources and volumes.

- i. Water will be hauled to the location using existing roads as shown on exhibit 1B
- ii. No new roads will be constructed for purpose of water haulage.
- iii. No water supply pipelines will be laid for this or future wells.
- iv. Water for construction, drilling, dust suppression and completion operations will be utilized from the Rangely City water supply under existing permits.

6) CONSTRUCTION MATERIALS

- A) Wellpad sub-grade will be constructed by normal cut and fill methods. Cut has been balanced to meet fill requirements. No offsite borrow will be required to construct the sub grade. Construction techniques are described in section 9 of this document.
- B) Construction materials will consist of native materials from borrow ditches and location areas.
- C) No construction materials will be removed from BLM lands
- D) In the event of production, if gravel is required, a small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit or commercial sources in Rio Blanco County, such as Connell Gravel Pit, Urie Rock Company and Maybell Enterprises over existing access roads to the area.
- D) The use of materials will conform to 43 CFR 3610.2-3.

7) **METHODS FOR HANDLING WASTE**

- A) Drilling fluids will be contained utilizing either method.
 - i. Closed Loop drilling system (primary method)
 - ii. Lined reserve pit (secondary method).

Bayless primary method is to utilize a closed-loop drilling system to contain drilling fluids as shown on exhibit 6. In this case a lined reserve pit (secondary method) will not be necessary. If it is determined that the closed loop system is inadequate Bayless will notify the White River Resource Area Manager by sundry notice that a reserve pit will be used including a revised drilling rig layout diagram as shown on exhibit 6A.

- B) The closed loop drilling system will include a cuttings catch pit, dewatering system, centrifuge system and additional fluid storage. The cuttings pit will be approximately 11 feet wide, 10 feet deep and 50 ft long with a 45 deg slope (ramp) and drilling fluids including salts and chemicals will be contained within the pit and closed loop system. Cuttings will be treated to meet the requirements of the COGCC table 910-1 before being buried onsite with a minimum of 3 ft of fill to as per COGCC guidelines. Upon termination of drilling and completion operations, the mud will be transferred to another drilling location for recycling/reuse as per COGCC RULE 903. If the mud is not needed elsewhere, all drilling fluids will be treated or disposed as COGCC Rule 325 guidelines.

- C) If it is determined by Bayless to use a lined reserve pit it will be constructed to BLM Gold book, Onshore Order # 1 standards and to meet Colorado Oil and Gas conservation Commission (COGCC) requirements on the wellpad during drilling operations.

The reserve and dry cuttings pit/trenches will be lined using synthetic liner with thickness of 24 mil. If needed to dry the cuttings and accelerate the pit closure process, the cuttings may be solidified by mixing a drying agent. Excess pit liner above “free board” elevations will be removed and disposed as trash (see item F below).

- D) Drilling fluids will be removed by vacuum truck to another active location and/or will be allowed to evaporate in the reserve pit until the pit is dry enough for back filling. Water produced during test 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. Currently disposal sites on our approved list in the area are: On-site or Peacocks disposal or RN Industries disposal in Rangely, CO. Pits containing water that would provide a medium for breeding mosquitoes will be treated to control mosquito larvae. Treatment will include application of mosquito larvacide.
- E) The reserve pit will be lined with synthetic liner with thickness of 24 mil. The reserve pit liner will be sufficiently reinforced to withstand normal wear and tear associated with the installation and pit use and will be chemically compatible with all substances that will be put into the pit. A minimum of not less than 2 feet freeboard will be maintained in the pit at all the times. All oil or floating debris will be removed from the pit immediately after the drilling phase of the well.
- F) The reserve pit will be fenced “stock tight” on three sides with a 4 strand barbed or woven wire fence during drilling operations and on the fourth side at time of rig release. The pit will remain fenced until backfilled. In order to prevent use by migratory birds, reserve pits that store or are expected to store fluids which may pose a risk to such birds, during completion and after completion activities have ceased, shall be netted. If any other means than netting are used BLM will be notify prior to beginning completion activities.

- G) All mud cuttings will meet the requirements of the COGCC Table 910-1 before being buried on-site. All cuttings will have all harmful properties of the waste reduced or removed and the mobility of leachate constituents reduced or eliminated.
- H) Sewage from the trailer houses will be disposed of in a manner meeting the Rio Blanco County Regulation, as under the guidance of Colorado Water Quality Control Commission, Department of Public Health and Environment. Sewage will not be buried on location or put in a borehole as per Colorado Department of Public Health and Environmental (CDPHE) Regulations unless a CDPHE Permit is obtained. Sewage will normally be stored, on-site, in above ground septic tanks. Contents are periodically hauled to municipal water treatment plants at Meeker and Craig, Colorado for disposal. Chemical portable toilets will be furnished for human waste and their contents hauled to an approved disposal site. Bayless will have a service agreement with Redi Services of Meeker Colorado for septic removal. Septic is transported by vacuum truck to Meeker Sanitation District at 1150 Market Street for treatment by their facility.
- I) Trash, waste paper and other non-flammable waste will be contained in a portable trash cage which will be totally enclosed. No trash will be placed in the reserves pit. The cage and contents will be transported by a third party contract trucking and dumped to the Rio Blanco County landfill or other CDPHE approved Sanitary Landfill as necessary or upon completion of operations.
- J) Salts that are not used in the drilling fluid will be removed from the location by the supplier. Empty sacks are placed in the trash for disposal to Rio Blanco County landfill.
- K) Chemicals that are not used in the drilling and completion of the well will be removed from the location by the supplier. Used drums are returned to the vendor for reuse.
- L) The producing fluids (producer water, frac fluid and possibly condensate), while testing the well will be flowed back to a frac tank or reserve pit. Any condensate will be skimmed and transferred to production tanks. Sand and produced fluids other than condensate will be transferred to the reserve pit until such time as the well is cleaned up sufficiently to produce pipeline quality gas.

Hazardous Material Statement: No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well

8) ANCILLARY FACILITIES

No ancillary facilities will be necessary.

9) WELLSITE LAYOUT (NARRATIVE & DIAGRAM)

- A) The White River Resource Area Manager shall be notified 24 hours in advanced before any construction begins on the proposed location site.
- B) The new wellpad includes the original area of disturbance of the existing Weaver Ridge 23-10 pad and it will be expanded to accommodate 2 additional wells. Any additional area will be approved in advanced. Exhibits 5A and 5B provide the proposed well site layout and earthwork requirements. Overall disturbance limits of the wellpad, including possible BMP installation, are estimated to be at 4.52 acres. Disturbance areas are shown on Exhibit 5C.

- C) Roads and well production equipment, such as tank, separators, and others will be placed on location so as to permit maximum interim reclamation of disturbed areas, so proper re-contouring and re-vegetation can occur. The total reclaimed area has been estimated to be 2.94 acres, exhibit 5C.
- D) All equipment and vehicles will be confined to the existing access road and wellpad area outlines in exhibits 1A and 1B.
- E) A final diagram showing the proposed production facilities layout will be submitted to the Authorized Officer via Sundry Notice (form 3160-5) for approval of subsequent operations.
- F) During wellpad construction, if snow is encountered, the snow will be removed before construction begins or the topsoil is disturbed and placed downhill of the topsoil stockpile location.
- All available topsoil will be stripped on well locations and access roads, prior to construction, and stockpiled for use reclamation of the site. Topsoil stockpile will be clearly segregated from any spoil pile and placed in location as shown on Exhibit 5A. Topsoil depth at this site is estimated at 6". If necessary, topsoil will be temporarily seeded and covered with a wildlife friendly biodegradable erosion control blanket. Additionally, wattles will be installed on the downgradient end of the topsoil pile.
 - When appropriate in the growing season, any weeds in the topsoil pile should be treated prior redistribution of the topsoil during construction/expansion of the proposed pad.
 - Wellpad subgrade will be constructed using cut/fill methods to achieve the required site profile. Embankments may be layer placed or constructed by side casting/ end dumping. No offsite borrow will be required for subgrade construction at this site. Excess cut will stockpile in areas as shown on Exhibit 5A.
 - Aggregate surfacing (road base material) will be hauled, placed and compacted to achieve necessary thickness to provide "all weather" surface. If needed, aggregate will be obtained from commercial sources in Rio Blanco County (ie. Connell Gravel Pit, Urie Rock Company and Maybell Enterprises).
- G) The reserve pit size will be capable of holding the TD hole volume for this and future wells. This pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.
- H) The reserve pit will be designed to prevent the collection of surface runoff. The design, size and capacity of the reserve pit have been increased to allow for additional completion fluids.
- I) If needed, flare pits must be located a sufficient distance from the reserve pit to prevent the liner from being damage during flaring operations.
- J) Compaction and construction of the berms surrounding production tanks will be designed to conform with SPCC plans to prevent lateral movement of fluids through the berm, prior to any storage of fluids.
- K) All surface disturbing activities will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- L) BMP's associated with stormwater management / erosion control will be applied to the site during and after construction and drilling/completions operations. Straw wattles, and or dirt berms will be used where needed for perimeter runoff control around of the wellpad and stockpiles. In order to prevent the discharge of sediments from disturbed slopes associated with the access road or wellpad, water containments will be constructed where needed along the side of the road to keep the water running down. Erosion control barriers such as straw wattles or excelsior logs will be also constructed, if necessary.

10) **PLANS FOR SURFACE RECLAMATION**

- A) Immediately upon completion of the drilling and well completion, the well location and surrounding area(s) will be cleared of all debris, material, trash and junk not required for production.
- B) Interim restoration applicable to all areas of disturbance on the pad and access road not needed for production or access will be rehabilitated. Rehabilitation of these previously disturbed areas will consist of backfilling and contouring, back sloping and contouring all cut & fill slopes and re-seeding. Wellpad size will be reduced to minimum size necessary to conduct safe operations and cuts and fill will be reduced to 3:1 or less slope, whenever practicable.
- C) At final reclamation of this wellpad, those portions of BLM road 1220 that were upgraded to access the Weaver Ridge 23-10 well should be restored to the original condition it was prior to the WR 23-10 well being permitted.
- D) Those portions of the road that are not part of the rerouting should be put into final reclamation immediately at the time the road is being rerouted.
- E) If it is determined by Bayless to use a lined reserve pit it will be allowed to dry prior to the commencement of backfilling work. The cuttings pit will be emptied as previously describe in item 7. The pit will be backfilled and re-contoured to blend with the existing environment as soon as practical after the cuttings have dried.
- F) Unneeded disturbed surfaces remaining after drilling and completion operations will be shaped to match the surrounding terrain and seeded as specified by the BLM. Site specific BMP's associated with interim reclamation will be applied per the approved ISWMP permit for this site.
 - a. Regrading will consist of cut/fill operations to return disturbed areas not required for production to approximate original contour. Stockpile spoil will be incorporated into the regarded area in locations which will be available for final re-contouring upon well abandonment.
 - b. The stockpiled topsoil material will be evenly distributed over the disturbed area for surface restoration. Following the topsoil placement, the area will be revegetated using a certified and an approved seed mixture #3 as prescribed by the BLM. Seed will be certified and free of noxious weeds. Seed certification tags will be submitted to the area manager within 30 days of seeding. Revegetation is generally scheduled for the fall planting season, September 15th through the first frost, unless instructed otherwise. If necessary, a BLM certified weed applicator will be used for weed control.
- G) Once all wells planned for the pad have been drilled, completed and hooked up to production equipment, interim reclamations will take place, see exhibit 5C. Restoration of un-needed portions of the pad will commence as soon as practical after the installation of production facilities but no later than 6 months.
- H) If needed, immediately after interim reclamation is concluded, livestock grazing will be excluded from all reclaimed wellpad areas by installation of a four-strand BLM Type D barbed wire fence, unless otherwise instructed by the BLM. No cattle guards are expected for this location.
- I) Cut and fill slopes no actively used during the production phase (generally that area outside the rig anchors) will be reduced to 3:1 slope and the surface will be roughened on the contour.
- J) Salvaged topsoil from the location will be evenly redistributed over the cut and fill surfaces. Upon final reclamations at the end of the project life, topsoil spread on these surfaces will be used for the overall reclamation effort. Any materials temporarily stockpile will receive short term stabilization using seed mixture #3 approved by the BLM.
- K) Plans for implementation of specific BMP's on the wellpad, access road and pipeline during interim and final reclamation are described in detail on the BMP (Exhibit 7).

- L) Once the last well on the pad is P&A'd, the well site and access road will be restored to their approximate original contours. For the well pad, this will consist of pushing fill material into the cuts and up over the back slope. For the access road, culverts and ditch topsoil will be redistributed over all disturbed areas and seed applies as required by the BLM.
- M) Upon final abandonment of the well, Bayless will return all remaining disturbed areas to approximate original contour and rehabilitate the road and location to a satisfactorily revegetated, safe and stable condition per BLM specifications.
- i. Topsoil will be removed from remaining sideslopes and temporarily regraded areas (interim reclamation) and stockpiled for redistribution on final graded areas.
 - ii. All disturbed areas, including roads, pipelines, pads, production facilities, and interim reclaimed areas will be re-contoured to the contour existing prior to initial construction or a contour that blends indistinguishably with the surrounding landscape.
 - iii. Natural drainage patterns will be restored and stabilized by an application of BMP's per approved SWMP for this site. These BMP's include surface roughening, seeding and erosion control wattles following regarding operations. Storm runoff from re-graded areas will continue to be controlled at the perimeter of the disturbed area using straw wattles or dirt berm or other appropriate BMP's. These measures will continue to be maintained around the perimeter of the site until stabilization of the reclaimed areas has been achieved, see exhibit 5C.
 - iv. A seed mixture # 3 previously approved by the BLM will be used to reclaim and reseed the access road, wellpad, pipeline and all disturbed areas. Seed will be applied with a drill at the prescribed rate unless slopes or other impediments preclude such work. If broadcast, seed will be applied at double the prescribed drill rate. Refer to BMP (Exhibit 7) for reseeding procedures on interim and final reclamation.

Native Seed Mix #3	
Common Name	LBS PLS/acre*
Western Wheatgrass (Rosana)	4
Indian Ricegrass (Rimrock)	3
Bluebunch Wheatgrass (Whitmar)	3.5
Needle and Thread Grass	2.5
Lewis Flax (Maple Grove)	1
Scarlet Globemallow	0.5
* Application rate is drill seed rate. Should seed be broadcast, apply at two times the rate	

- N) Rehabilitation operations (both interim and final) will start in a timely manner following the completion of operations per Onshore Order #1. Site specific BMP's will be applied as described above. Additional reclamation efforts will be undertaken if, after the first growing season, there are no positive indicators of successful establishment of seeded species (i.e. germination). Reclamation efforts will continue so as to ensure a sufficient vegetative ground cover from reclaimed plant species within (3) growing seasons after the application of seed.

11) **SURFACE OWNERSHIP**

Surface and minerals ownership at the wellpad is the:

Bureau of Land Management,
White River Resource Area
220 E. Market Street
Meeker, CO 81641

970-878-3800

12) **ADDITIONAL INFORMATION**

- A) An archeological cultural and historical survey of the area has been performed on February 06, 2012 and submitted separately by the Grand River Institute to the BLM White River office. Raptors and Sensitivity plant surveys are expected to be done on June 1st, 2006 by West Water engineering and submitted separately to the BLM.
- B) The well site and lease is located entirely on Federal surface, exhibit 4A. Surface access will be via county and BLM roads, exhibit 1C.
- C) The project area is situated in the uplands of the northwest edge of the Piceance Basin. The topographic and geologic features include a moderate relief area which is well drained. The area has slight sand and silt deposition and is surrounded by rock outcrops with moderately eroded drainages. The major soil type is a clay/loam.
- D) The Flora in the area consists of Juniper, Pinon pine, Matchbrush, Mountain Mahogany, Phlox, Rubber rabbitbrush, Shadscale saltbrush, Penstemon, Mormon tea, Snowberry, Basin wildrye, Cheatgrass, and Indian ricegrass.
- E) No Fauna was observed in the area. Assumed Fauna are mule deer, elk, coyotes, rabbits, raptors, and rodents.
- F) The proximity of water is an unnamed intermittent drainage 1600 feet east of location that flows into Weaver Canyon. There are no occupied dwellings or other features in the vicinity of this location.
- G) The concurrent surface use in the area is grazing and petroleum production.
- H) Total surface maximum disturbance is estimated at 4.52 acres including the drilling/production facility pad, new re-routed access road, associated flowlines and installation of storm water management BMP's Maximum Disturbed are is indicated on exhibit 5C.

12) **REPRESENTATIVES (LESSEE'S OR OPERATOR'S) & CERTIFICATION**

Robert L. Bayless, Producer LLC
P.O. Box 168
Farmington, NM 87499

Habib Guerrero – Operations Engineer
Phone: (505) 326-2659
Fax: (505) 326-6911

13) **CERTIFICATION:**

I hereby certify that Robert L. Bayless, Producer LLC is responsible under the terms and conditions of the lease to conduct lease operations in conjunction with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Robert L. Bayless, Producer LLC under their nationwide surety bond, BLM Bond #CO0833.

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 the operations proposed herein will be performed by Robert L. Bayless, Producer LLC and its contractors and sub-contractors 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.

Habib J. Guerrero
Operations Engineer
Robert L. Bayless, Producer LLC

March 30, 2012
Date

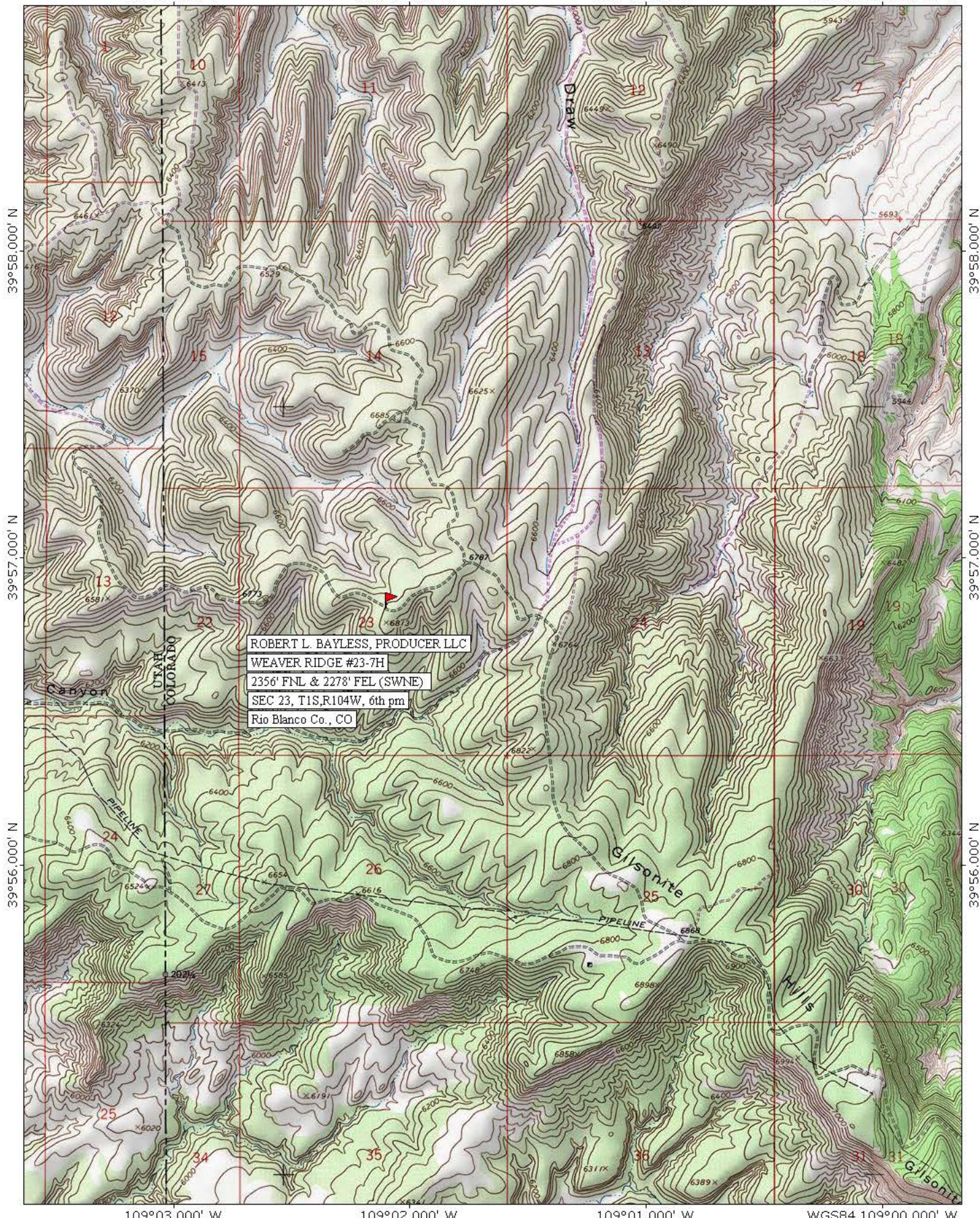
TOPO! map printed on 03/29/12 from "COLORADO.tpo" and "Untitled.tpg"

109°03.000' W

109°02.000' W

109°01.000' W

WGS84 109°00.000' W



TN/MN
11 1/2°

109°03.000' W

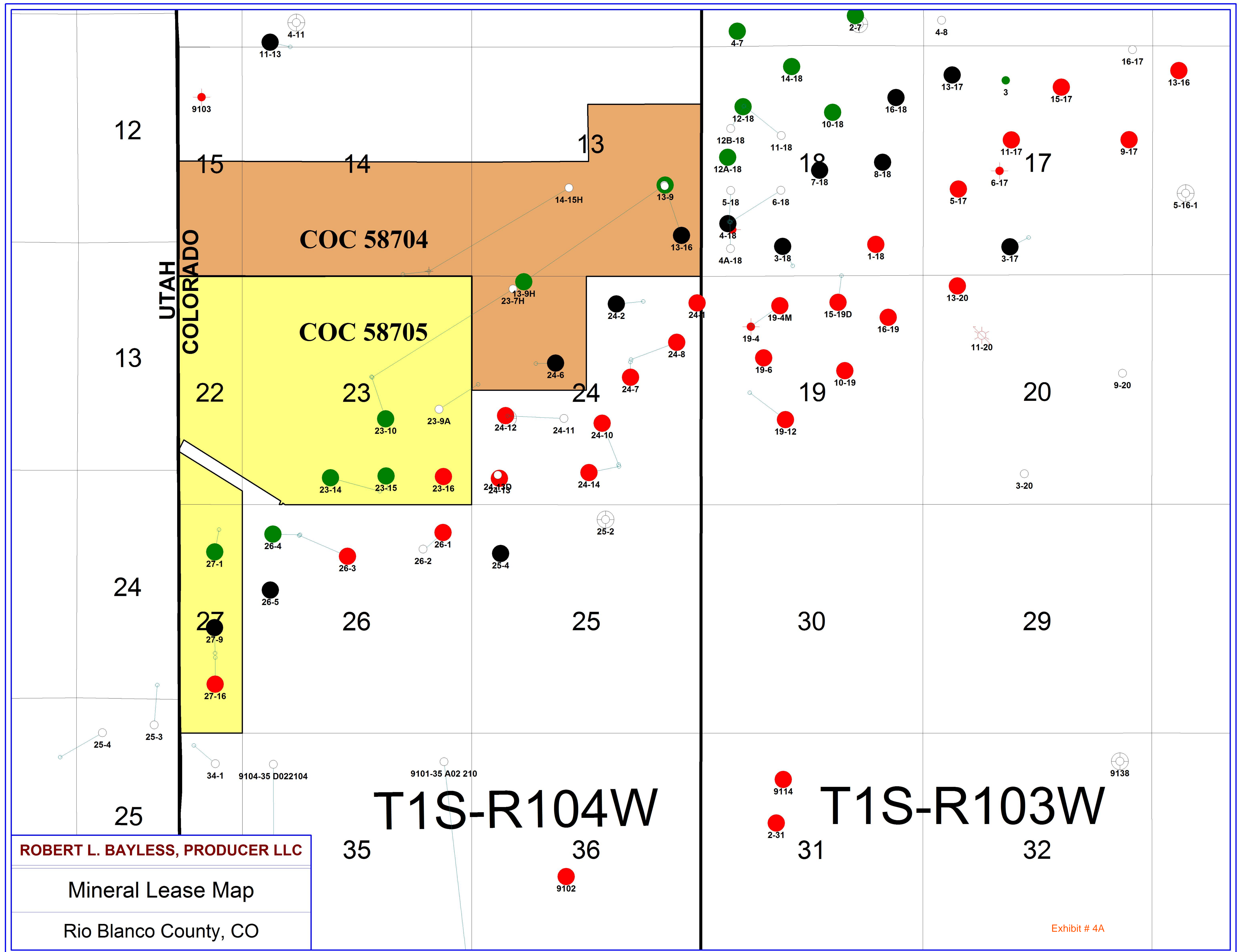
109°02.000' W

109°01.000' W

WGS84 109°00.000' W

0 1000 FEET 0 500 1000 METERS

Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)

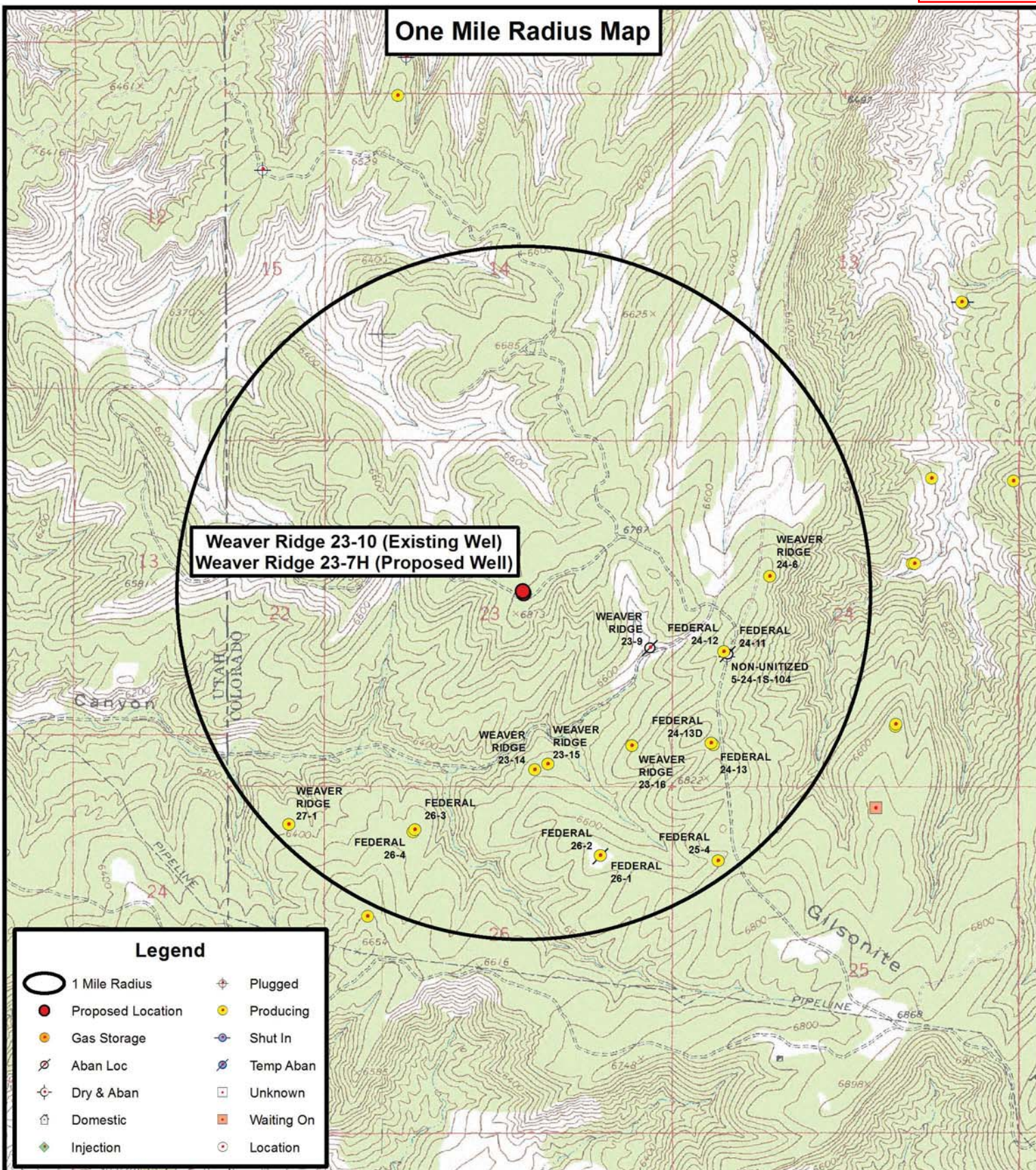


ROBERT L. BAYLESS, PRODUCER LLC

Mineral Lease Map

Rio Blanco County, CO

One Mile Radius Map



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



ROBERT L. BAYLESS PRODUCER LLC.

Weaver Ridge 23-10 (Existing Well)
 Weaver Ridge 23-7H (Proposed Well)
 SEC. 23, T1S, R104W, 6th P.M.
 Rio Blanco County, CO.

DRAWN BY:	D.C.R.	REVISED:	01-16-12 D.C.R.
DATE:	01-03-2012		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

C

Aerial Map

Weaver Ridge 23-10 (Existing Well)
Weaver Ridge 23-7H (Proposed Well)



Legend

- Existing Road
— Proposed Road



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

**ROBERT L. BAYLESS PRODUCER LLC.**

Weaver Ridge 23-10 (Existing Well)
Weaver Ridge 23-7H (Proposed Well)
SEC. 23, T1S, R104W, 6th P.M.
Rio Blanco County, CO.

DRAWN BY:	D.C.R.	REVISED:	01-16-12 D.C.R.
DATE:	01-03-2012		
SCALE:	1" = 1,000'		

AERIAL MAP

SHEET

E

ROBERT L. BAYLESS, PRODUCER LLC.

LOCATION DRAWING

WEAVER RIDGE 23-10 (EXISTING WELL)

WEAVER RIDGE 23-7H (PROPOSED WELL)

Pad Location: SWNE SECTION 23, T1S, R104W, 6th P.M.



1/16 Section Line

SURFACE USE NOTE:

Surface use of the well site is Grazing. Vegetation consists mainly of Juniper and Native Grasses.

SE 1/4 NW 1/4

SW 1/4 NE 1/4

LOCATION
REFERENCE POINT
(23-7H Well Pad)

1/4 Section Line

SEC. 23

NE 1/4 SW 1/4

NW 1/4 SE 1/4

1/4 Section Line

1/16 Section Line

400' OFFSET
FROM DISTURBANCE

Distances from Well Head

WELL	BUILDING	ABOVE GROUND UTILITY	PUBLIC ROAD	RAILROAD
23-7H	N13°E 6.4 MILES	N13°E 6.4 MILES	N13°E 6.5 MILES	N12°E 13.4 MILES



B A R S C A L E

SURVEYED BY: PAUL DATE SURVEYED: 12-14-11
 DRAWN BY: R.B.T. DATE DRAWN: 12-28-11
 SCALE: 1" = 300' REVISED: M.W. - 03-27-12

Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

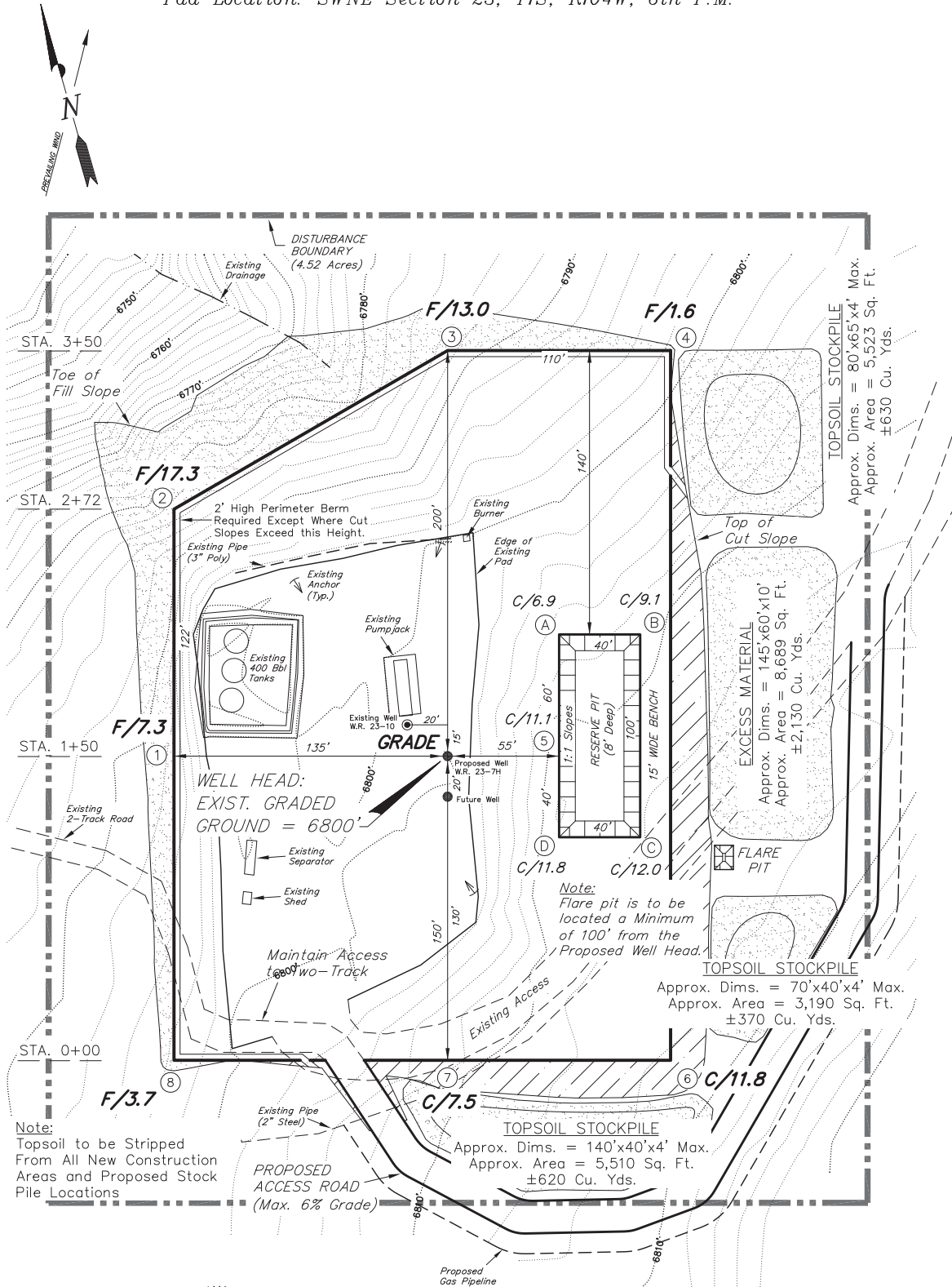
ROBERT L. BAYLESS, PRODUCER LLC.

PROPOSED LOCATION LAYOUT

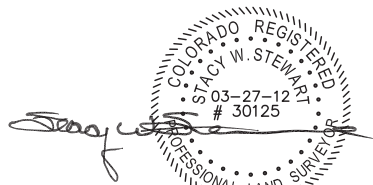
WEAVER RIDGE 23-10 (Existing Well)

WEAVER RIDGE 23-7H (Proposed Well)

Pad Location: SWNE Section 23, T1S, R104W, 6th P.M.



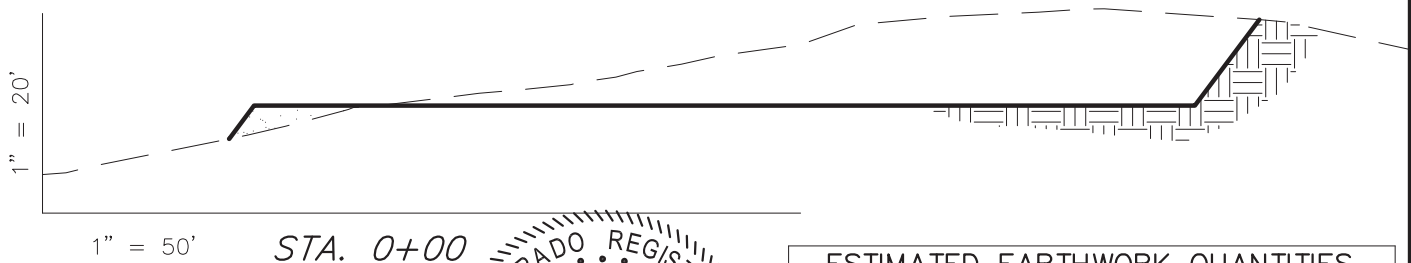
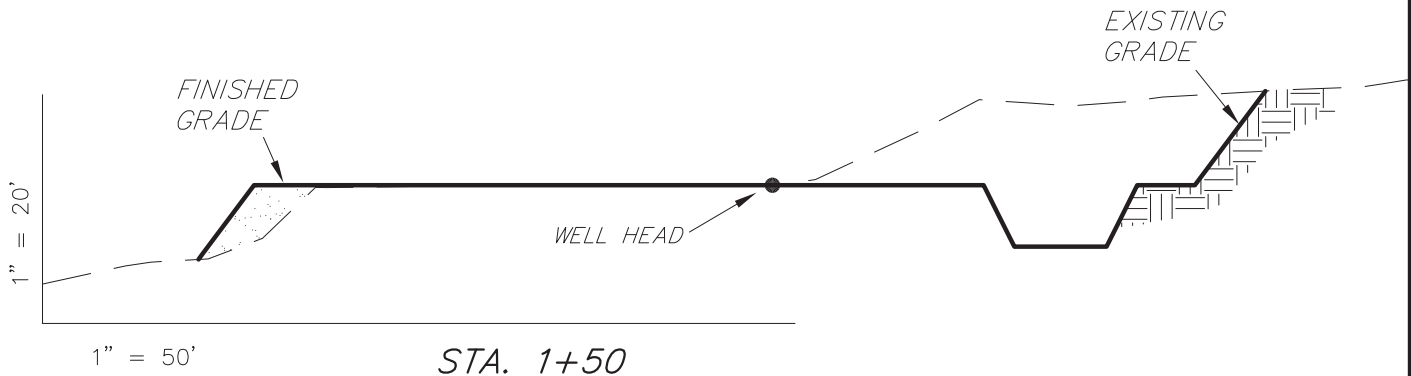
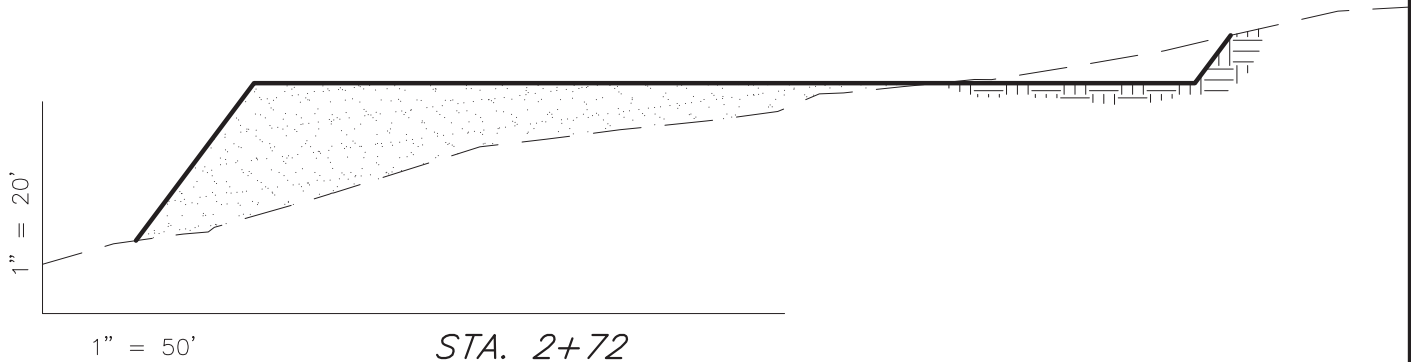
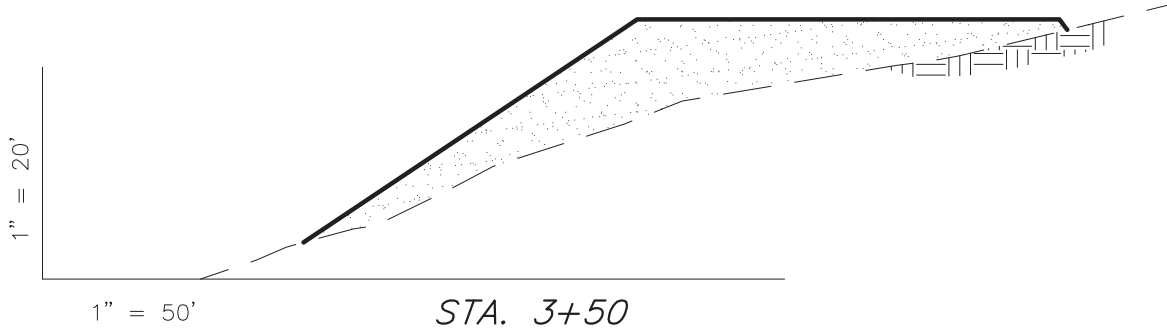
Note:
Topsoil to be Stripped
From All New Construction
Areas and Proposed Stock
Pile Locations



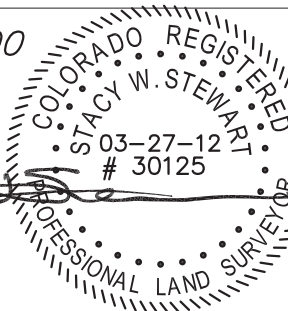
NOTE:
The topsoil & excess material areas are calculated as being mounds containing 3,750 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY:	P.H.	DATE SURVEYED:	12-14-11
DRAWN BY:	M.W.	DATE DRAWN:	12-28-11
SCALE:	1" = 50'	REVISED:	M.W. - 03-27-12

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ROBERT L. BAYLESS, PRODUCER LLC.**CROSS SECTIONS****WEAVER RIDGE 23-10 (Existing Well)****WEAVER RIDGE 23-7H (Proposed Well)***Pad Location: SWNE Section 23, T1S, R104W, 6th P.M.*

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1



ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	8,860	7,790	Topsoil is not included in Pad Cut Volume	1,070
PIT	870	0		870
TOTALS	9,730	7,790	1,470	1,940

SURVEYED BY:	P.H.	DATE SURVEYED:	12-14-11
DRAWN BY:	M.W.	DATE DRAWN:	12-28-11
SCALE:	1" = 50'	REVISED:	M.W. - 03-27-12

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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

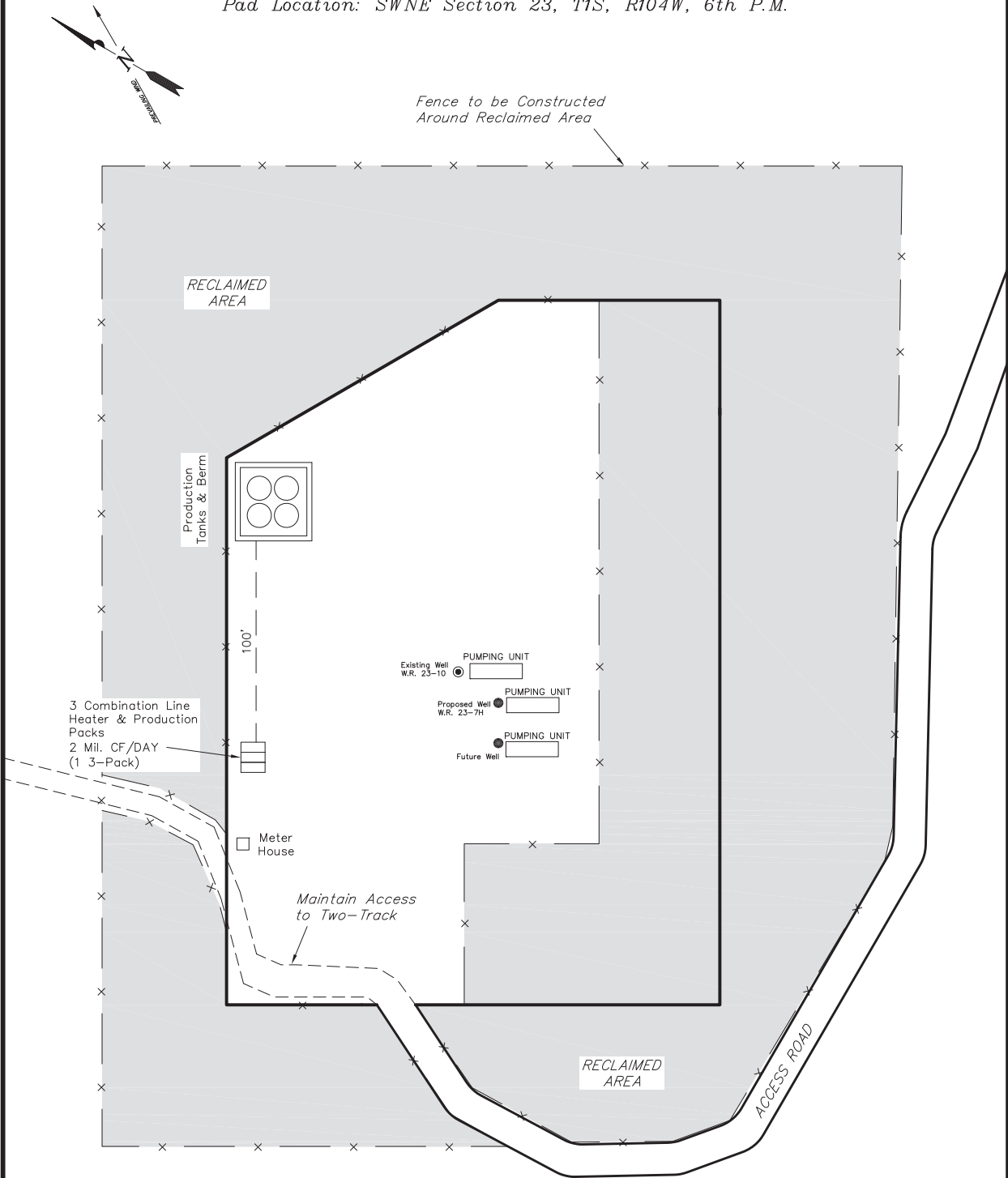
ROBERT L. BAYLESS, PRODUCER LLC.

PROPOSED SCHEMATIC

WEAVER RIDGE 23-10 (Existing Well)

WEAVER RIDGE 23-7H (Proposed Well)

Pad Location: SWNE Section 23, T1S, R104W, 6th P.M.



Notes:

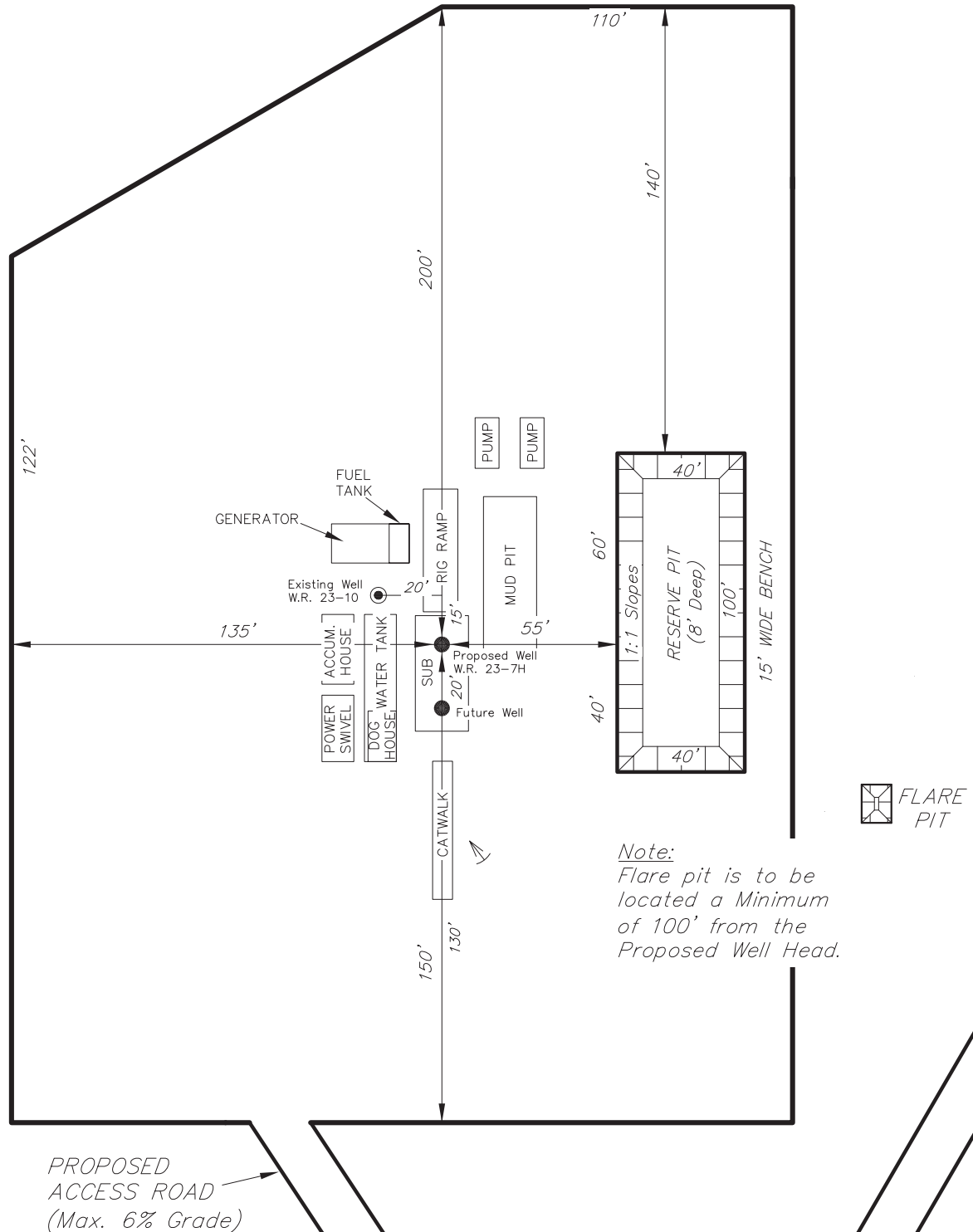
1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change do to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = 4.52 ACRES
TOTAL RECLAIMED AREA = 2.94 ACRES
UNRECLAIMED AREA = 1.58 ACRES

SURVEYED BY:	C.D.S.	DATE SURVEYED:	10-03-11
DRAWN BY:	F.T.M.	DATE DRAWN:	10-06-11
SCALE:	1" = 50'	REVISED:	M.W. - 03-27-12

Tri State
Land Surveying, Inc.
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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

ROBERT L. BAYLESS, PRODUCER LLC.**TYPICAL RIG LAYOUT****WEAVER RIDGE 23-10 (Existing Well)****WEAVER RIDGE 23-7H (Proposed Well)***Pad Location: SWNE Section 23, T1S, R104W, 6th P.M.*

SURVEYED BY:	P.H.	DATE SURVEYED:	12-14-11
DRAWN BY:	M.W.	DATE DRAWN:	12-28-11
SCALE:	1" = 50'	REVISED:	M.W. - 03-27-12

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



Robert L. Bayless, Producer LLC.

Weaver Ridge 23-7H
Sec23 T01S R104W
Rio Blanco Co., CO

PATHFINDER

A Schlumberger Company

GE: 6800' / KB: 12'

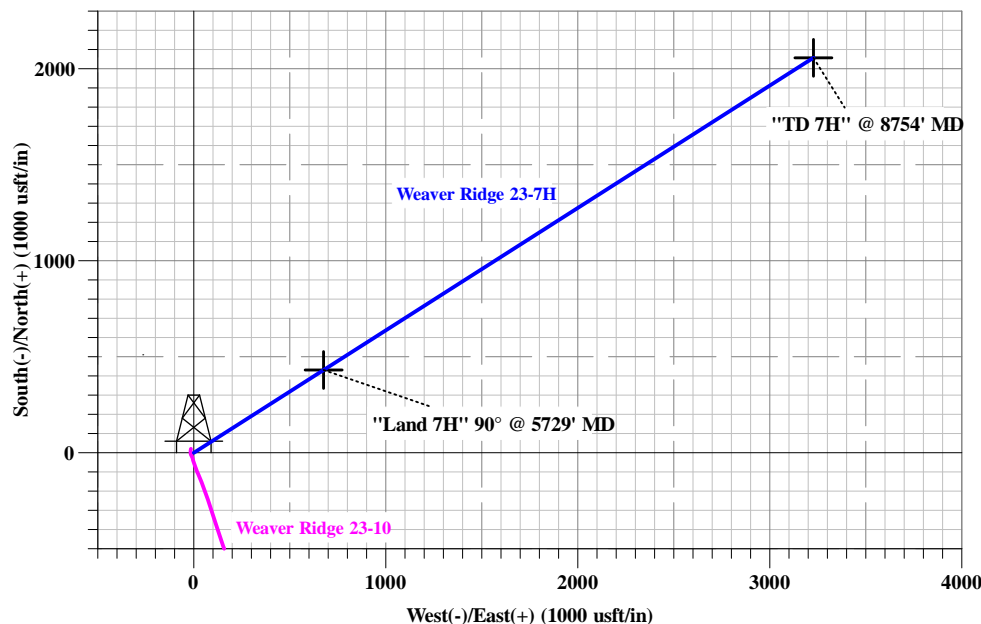
Exhibit # 8

CASING DETAILS

MD	TVD	Size
500.0	500.0	9 5/8"
5271.0	5729.8	7"

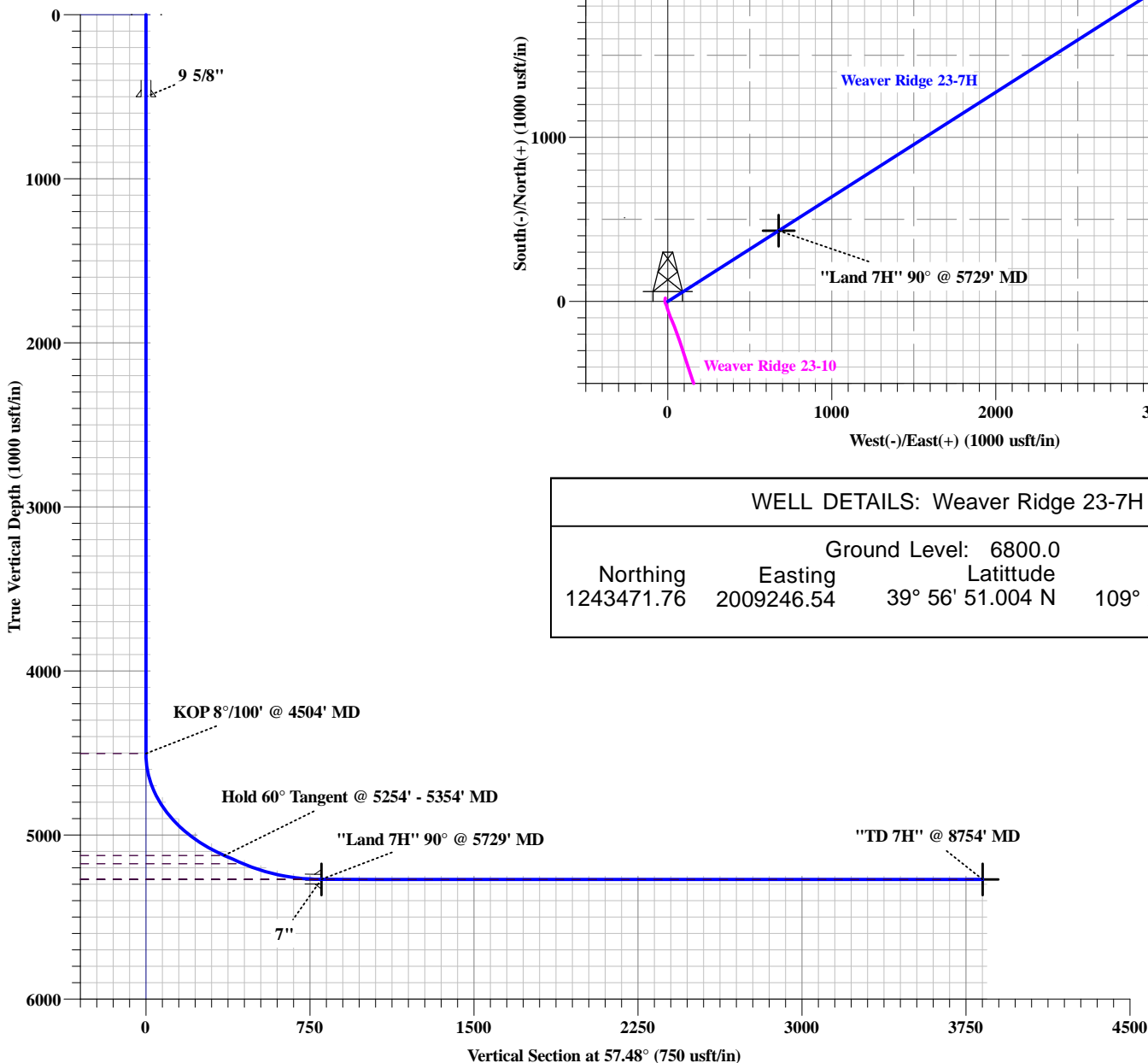
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Land - 7H	5271.0	431.6	676.9	1243876.05	2009940.10	Point
BHL - 7H	5271.0	2057.6	3227.1	1245399.15	2012553.04	Point



WELL DETAILS: Weaver Ridge 23-7H

Ground Level: 6800.0			
Northing	Easting	Latitude	Longitude
1243471.76	2009246.54	39° 56' 51.004 N	109° 2' 4.852 W



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4504.8	0.00	0.00	4504.8	0.0	0.0	0.00	0.00	0.0	
5254.8	60.00	57.48	5125.0	192.5	301.9	8.00	57.48	358.1	
5354.8	60.00	57.48	5175.0	239.1	375.0	0.00	0.00	444.7	
5729.8	90.00	57.48	5271.0	431.6	676.9	8.00	0.00	802.8	
8754.2	90.00	57.48	5271.0	2057.6	3227.1	0.00	0.00	3827.2	BHL - 7H

Plan: Design #3 (Weaver Ridge 23-7H/Wellbore #1)

Created By: Breck Enoch

Date: 15-Mar-2012



Robert L. Bayless, Producer LLC.

**Rio Blanco Co., CO
Sec23 T01S R104W
Weaver Ridge 23-7H**

Wellbore #1

Plan: Design #3

Standard Planning Report

15 March, 2012



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Sec23 T01S R104W
Company:	Robert L. Bayless, Producer LLC.	TVD Reference:	WELL @ 6812.0usft (Original Well Elev)
Project:	Rio Blanco Co., CO	MD Reference:	WELL @ 6812.0usft (Original Well Elev)
Site:	Sec23 T01S R104W	North Reference:	True
Well:	Weaver Ridge 23-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Project	Rio Blanco Co., CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Sec23 T01S R104W				
Site Position:		Northing:	1,243,471.76 usft	Latitude:	39° 56' 51.004 N
From:	Lat/Long	Easting:	2,009,246.55 usft	Longitude:	109° 2' 4.852 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-2.28

Well	Weaver Ridge 23-7H					
Well Position	+N/-S	0.0 usft	Northing:	1,243,471.76 usft	Latitude:	39° 56' 51.004 N
	+E/-W	0.0 usft	Easting:	2,009,246.55 usft	Longitude:	109° 2' 4.852 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	6,800.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2012/02/01	10.79	65.90	52,287

Design	Design #3			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	57.48

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,504.8	0.00	0.00	4,504.8	0.0	0.0	0.00	0.00	0.00	0.00	
5,254.8	60.00	57.48	5,125.0	192.5	301.9	8.00	8.00	0.00	57.48	
5,354.8	60.00	57.48	5,175.0	239.1	375.0	0.00	0.00	0.00	0.00	
5,729.8	90.00	57.48	5,271.0	431.6	676.9	8.00	8.00	0.00	0.00	
8,754.2	90.00	57.48	5,271.0	2,057.6	3,227.1	0.00	0.00	0.00	0.00	BHL - 7H



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Sec23 T01S R104W
Company:	Robert L. Bayless, Producer LLC.	TVD Reference:	WELL @ 6812.0usft (Original Well Elev)
Project:	Rio Blanco Co., CO	MD Reference:	WELL @ 6812.0usft (Original Well Elev)
Site:	Sec23 T01S R104W	North Reference:	True
Well:	Weaver Ridge 23-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12.0	0.00	0.00	12.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,980.0	0.00	0.00	1,980.0	0.0	0.0	0.0	0.00	0.00	0.00
Wasatch									
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,397.0	0.00	0.00	2,397.0	0.0	0.0	0.0	0.00	0.00	0.00
Mesaverde									
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,488.0	0.00	0.00	3,488.0	0.0	0.0	0.0	0.00	0.00	0.00
Upper Sego									
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,692.0	0.00	0.00	3,692.0	0.0	0.0	0.0	0.00	0.00	0.00
Lower Sego									
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,761.0	0.00	0.00	3,761.0	0.0	0.0	0.0	0.00	0.00	0.00
Buck Tongue									
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Sec23 T01S R104W
Company:	Robert L. Bayless, Producer LLC.	TVD Reference:	WELL @ 6812.0usft (Original Well Elev)
Project:	Rio Blanco Co., CO	MD Reference:	WELL @ 6812.0usft (Original Well Elev)
Site:	Sec23 T01S R104W	North Reference:	True
Well:	Weaver Ridge 23-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,986.0	0.00	0.00	3,986.0	0.0	0.0	0.0	0.00	0.00	0.00
Castlegate									
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,116.0	0.00	0.00	4,116.0	0.0	0.0	0.0	0.00	0.00	0.00
Mancos									
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,504.8	0.00	0.00	4,504.8	0.0	0.0	0.0	0.00	0.00	0.00
KOP 8°/100' @ 4504' MD									
4,550.0	3.62	57.48	4,550.0	0.8	1.2	1.4	8.00	8.00	0.00
4,600.0	7.62	57.48	4,599.7	3.4	5.3	6.3	8.00	8.00	0.00
4,650.0	11.62	57.48	4,649.0	7.9	12.4	14.7	8.00	8.00	0.00
4,700.0	15.62	57.48	4,697.6	14.2	22.3	26.4	8.00	8.00	0.00
4,750.0	19.62	57.48	4,745.2	22.3	35.0	41.6	8.00	8.00	0.00
4,800.0	23.62	57.48	4,791.7	32.2	50.6	60.0	8.00	8.00	0.00
4,850.0	27.62	57.48	4,836.8	43.9	68.8	81.6	8.00	8.00	0.00
4,900.0	31.62	57.48	4,880.2	57.1	89.6	106.3	8.00	8.00	0.00
4,919.8	33.20	57.48	4,897.0	62.9	98.6	116.9	8.00	8.00	0.00
Mancos A									
4,950.0	35.62	57.48	4,921.9	72.0	113.0	134.0	8.00	8.00	0.00
5,000.0	39.62	57.48	4,961.5	88.4	138.7	164.5	8.00	8.00	0.00
5,050.0	43.62	57.48	4,998.8	106.3	166.7	197.7	8.00	8.00	0.00
5,100.0	47.62	57.48	5,033.8	125.5	196.8	233.4	8.00	8.00	0.00
5,150.0	51.62	57.48	5,066.2	146.0	228.9	271.5	8.00	8.00	0.00
5,200.0	55.62	57.48	5,095.9	167.6	262.8	311.7	8.00	8.00	0.00
5,254.8	60.00	57.48	5,125.0	192.5	301.9	358.1	8.00	8.00	0.00
Hold 60° Tangent @ 5254' - 5354' MD									
5,264.7	60.00	57.48	5,130.0	197.1	309.2	366.7	0.00	0.00	0.00
Mancos B									
5,300.0	60.00	57.48	5,147.6	213.6	334.9	397.2	0.00	0.00	0.00
5,354.8	60.00	57.48	5,175.0	239.1	375.0	444.7	0.00	0.00	0.00
Build 8°/100' @ 5354' MD									
5,400.0	63.62	57.48	5,196.4	260.5	408.5	484.5	8.00	8.00	0.00
5,450.0	67.62	57.48	5,217.0	285.0	446.9	530.1	8.00	8.00	0.00
5,500.0	71.62	57.48	5,234.4	310.2	486.4	576.9	8.00	8.00	0.00
5,547.8	75.44	57.48	5,248.0	334.8	525.1	622.8	8.00	8.00	0.00
MnB Basal SS									
5,550.0	75.62	57.48	5,248.5	336.0	526.9	624.9	8.00	8.00	0.00
5,600.0	79.62	57.48	5,259.3	362.2	568.1	673.7	8.00	8.00	0.00
5,650.0	83.62	57.48	5,266.6	388.8	609.8	723.2	8.00	8.00	0.00
5,700.0	87.62	57.48	5,270.4	415.6	651.8	773.0	8.00	8.00	0.00
5,729.8	90.00	57.48	5,271.0	431.6	676.9	802.8	8.00	8.00	0.00
"Land 7H" 90° @ 5729' MD - Target - 7"									
5,800.0	90.00	57.48	5,271.0	469.3	736.1	873.0	0.00	0.00	0.00
5,900.0	90.00	57.48	5,271.0	523.1	820.4	973.0	0.00	0.00	0.00
6,000.0	90.00	57.48	5,271.0	576.9	904.7	1,073.0	0.00	0.00	0.00
6,100.0	90.00	57.48	5,271.0	630.6	989.1	1,173.0	0.00	0.00	0.00
6,200.0	90.00	57.48	5,271.0	684.4	1,073.4	1,273.0	0.00	0.00	0.00
6,300.0	90.00	57.48	5,271.0	738.2	1,157.7	1,373.0	0.00	0.00	0.00
6,400.0	90.00	57.48	5,271.0	791.9	1,242.0	1,473.0	0.00	0.00	0.00
6,500.0	90.00	57.48	5,271.0	845.7	1,326.3	1,573.0	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Sec23 T01S R104W
Company:	Robert L. Bayless, Producer LLC.	TVD Reference:	WELL @ 6812.0usft (Original Well Elev)
Project:	Rio Blanco Co., CO	MD Reference:	WELL @ 6812.0usft (Original Well Elev)
Site:	Sec23 T01S R104W	North Reference:	True
Well:	Weaver Ridge 23-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,600.0	90.00	57.48	5,271.0	899.4	1,410.6	1,673.0	0.00	0.00	0.00	
6,700.0	90.00	57.48	5,271.0	953.2	1,495.0	1,773.0	0.00	0.00	0.00	
6,800.0	90.00	57.48	5,271.0	1,007.0	1,579.3	1,873.0	0.00	0.00	0.00	
6,900.0	90.00	57.48	5,271.0	1,060.7	1,663.6	1,973.0	0.00	0.00	0.00	
7,000.0	90.00	57.48	5,271.0	1,114.5	1,747.9	2,073.0	0.00	0.00	0.00	
7,100.0	90.00	57.48	5,271.0	1,168.3	1,832.2	2,173.0	0.00	0.00	0.00	
7,200.0	90.00	57.48	5,271.0	1,222.0	1,916.6	2,273.0	0.00	0.00	0.00	
7,300.0	90.00	57.48	5,271.0	1,275.8	2,000.9	2,373.0	0.00	0.00	0.00	
7,400.0	90.00	57.48	5,271.0	1,329.5	2,085.2	2,473.0	0.00	0.00	0.00	
7,500.0	90.00	57.48	5,271.0	1,383.3	2,169.5	2,573.0	0.00	0.00	0.00	
7,600.0	90.00	57.48	5,271.0	1,437.1	2,253.8	2,673.0	0.00	0.00	0.00	
7,700.0	90.00	57.48	5,271.0	1,490.8	2,338.1	2,773.0	0.00	0.00	0.00	
7,800.0	90.00	57.48	5,271.0	1,544.6	2,422.5	2,873.0	0.00	0.00	0.00	
7,900.0	90.00	57.48	5,271.0	1,598.4	2,506.8	2,973.0	0.00	0.00	0.00	
8,000.0	90.00	57.48	5,271.0	1,652.1	2,591.1	3,073.0	0.00	0.00	0.00	
8,100.0	90.00	57.48	5,271.0	1,705.9	2,675.4	3,173.0	0.00	0.00	0.00	
8,200.0	90.00	57.48	5,271.0	1,759.6	2,759.7	3,273.0	0.00	0.00	0.00	
8,300.0	90.00	57.48	5,271.0	1,813.4	2,844.1	3,373.0	0.00	0.00	0.00	
8,400.0	90.00	57.48	5,271.0	1,867.2	2,928.4	3,473.0	0.00	0.00	0.00	
8,500.0	90.00	57.48	5,271.0	1,920.9	3,012.7	3,573.0	0.00	0.00	0.00	
8,600.0	90.00	57.48	5,271.0	1,974.7	3,097.0	3,673.0	0.00	0.00	0.00	
8,700.0	90.00	57.48	5,271.0	2,028.5	3,181.3	3,773.0	0.00	0.00	0.00	
8,754.2	90.00	57.48	5,271.0	2,057.6	3,227.0	3,827.2	0.00	0.00	0.00	
"TD 7H" @ 8754' MD										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
Land - 7H - plan hits target center - Point	0.00	0.00	5,271.0	431.6	676.9	1,243,876.04	2,009,940.11	39° 56' 55.269 N		109° 1' 56.160 W
BHL - 7H - plan hits target center - Point	0.00	0.00	5,271.0	2,057.6	3,227.1	1,245,399.15	2,012,553.04	39° 57' 11.336 N		109° 1' 23.412 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
500.0	500.0	9 5/8"		9-5/8	12-1/4
5,729.8	5,271.0	7"		7	8-3/4



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Sec23 T01S R104W
Company:	Robert L. Bayless, Producer LLC.	TVD Reference:	WELL @ 6812.0usft (Original Well Elev)
Project:	Rio Blanco Co., CO	MD Reference:	WELL @ 6812.0usft (Original Well Elev)
Site:	Sec23 T01S R104W	North Reference:	True
Well:	Weaver Ridge 23-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
12.0	12.0	Green River		0.00		
1,980.0	1,980.0	Wasatch		0.00		
2,397.0	2,397.0	Mesaverde		0.00		
3,488.0	3,488.0	Upper Sego		0.00		
3,692.0	3,692.0	Lower Sego		0.00		
3,761.0	3,761.0	Buck Tongue		0.00		
3,986.0	3,986.0	Castlegate		0.00		
4,116.0	4,116.0	Mancos		0.00		
4,919.8	4,897.0	Mancos A		0.00		
5,264.7	5,130.0	Mancos B		0.00		
5,547.8	5,248.0	MnB Basal SS		0.00		
5,729.8	5,271.0	Target		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
4,504.8	4,504.8	0.0	0.0	KOP 8°/100' @ 4504' MD	
5,254.8	5,125.0	192.5	301.9	Hold 60° Tangent @ 5254' - 5354' MD	
5,354.8	5,175.0	239.1	375.0	Build 8°/100' @ 5354' MD	
5,729.8	5,271.0	431.6	676.9	"Land 7H" 90° @ 5729' MD	
8,754.2	5,271.0	2,057.6	3,227.0	"TD 7H" @ 8754' MD	

ROBERT L. BAYLESS, PRODUCER LLC

WEAVER RIDGE 23-7H

SHL: 2356' FNL & 2278' FEL (SWNE) Section 23, T1S R104W

BHL: 299' FNL & 954' FWL (NWNW) Section 24, T1S R104W

Rio Blanco County, Colorado

SURFACE USE PLAN - EXHIBIT 9

Water Source & Delivery Information (Per BLM Onshore Order # 1)

Water Use Operation	Volume per Well (Bbl-Est)	Volume per WellPad (Bbl-Est)	Water Type	Water Delivery Method	Water Source	Comments
construction	N/A	4000	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Dust Abatement	N/A	2000	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Drilling (Conductor & Surface)	1000	N/A	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Drilling (Intermd & Production)	4000	N/A	Fresh	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B
Completion	10000	N/A	Fresh/Produced	Truck	Rangely City Water supply	See Haul Route Map Exhibit 1B

FUTURE WELLS (AT LEAST 1 MORE) - SIMILAR WELLBORE PROFILE ===

Robert L. Bayless, Producer LLC

EXHIBITS LIST

(Attachment to Form 3160-3)

Weaver Ridge 23-7H

SHL: 2356' FNL & 2278' FEL (SWNE) Section 23, T1S R104W

BHL: 299' FNL & 954' FWL (NWNW) Section 24, T1S R104W

Rio Blanco County, Colorado

Federal Lease: COC-058705

EXHIBIT 1.	Well Location Plat
EXHIBIT 1A.	Well Pad Interference Plat
EXHIBIT 1B.	Location Access Road and Directions Map
EXHIBIT 1C.	Proposed New (re-rerouted) Road
EXHIBIT 1D.	Proposed New (re-located) Pipeline
EXHIBIT 2.	Surface Casing and Centralizer Design
EXHIBIT 3.	BOP and Choke Manifold diagram
EXHIBIT 4.	Location area Topo Map
EXHIBIT 4A.	Bayless Mineral Lease Map
EXHIBIT 4B.	One Mile Radius Map
EXHIBIT 4C.	Location Aerial Map
EXHIBIT 4D.	Location Hydrology Map
EXHIBIT 5.	Proposed Location Layout
EXHIBIT 5A.	Proposed Wellpad Layout
EXHIBIT 5B.	Cross Sections.
EXHIBIT 5C.	Interim Reclamation -SWBMP Plan
EXHIBIT 6.	Drilling Rig Layout – Closed Loop
EXHIBIT 6A.	Drilling Rig Layout – Reserve Pit
EXHIBIT 7.	BMP – Reclamation and Rehabilitation Plan
EXHIBIT 8.	Directional Drilling plan
EXHIBIT 9.	Anticipated Water Sources and Estimated Water Volumes
SHEET P1-P3.	Location Pictures