

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

5. Lease Serial No.  
**COC58704**

6. If Indian, Allottee or Tribe Name

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

8. Lease Name and Well No.  
**Weaver Ridge 13-9H**

9. API Well No.  
**Not assigned**

10. Field and Pool, or Exploratory  
**Wildcat**

11. Sec., T. R. M. or Blk. and Survey or Area  
**Sec 13 T1S R104W Mer 6PM**

12. County or Parish  
**Rio Blanco**

13. State  
**Co**

1a. Type of work:  DRILL  REENTER

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

2. Name of Operator **Robert L. Bayless Producer LLC**

3a. Address **P.O.Box 168  
Farmington, NM 87401**

3b. Phone No. (include area code)  
**505-326-2659**

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface **2075' FSL & 879' FEL (NESE) Sec 13 T1S R104W**  
At proposed prod. zone **1365' FSL & 1918 FEL (NWSE) Sec 13 T1S R104W**

14. Distance in miles and direction from nearest town or post office\*  
**19 MILES SOUTHWEST OF RANGELY, COLORADO**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
**879 FT- LEASE LINE**

16. No. of acres in lease  
**970.15**

17. Spacing Unit dedicated to this well  
**Unspaced 40 acres**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
**20 ft from WR 13-9 (same Wellpad)**

19. Proposed Depth  
**8136 ft (MD), 4300 ft (TVD)  
\*\*\*\*\*Horizontal well\*\*\*\*\***

20. BLM/BIA Bond No. on file  
**CO0833**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**5858 ft G.L**

22. Approximate date work will start\*  
**09/01/2010**

23. Estimated duration  
**25 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:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>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).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification</li> <li>6. Such other site specific information and/or plans as may be required by the BLM.</li> </ul> |
|---|---|

25. Signature 

Name (Printed/Typed)  
**Habib Guerrero**

Date  
**06/30/2010**

Title  
**Operations Engineer**

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.

### Well Location Plat

ROBERT L. BAYLESS, PRODUCER LLC  
 WEAVER RIDGE #13-9H  
 2075' FSL & 879' FEL  
 Sec. 13, T1S, R104W, 6th PM  
 Rio Blanco Co., CO  
 Ground Elev. 5858.3 (NAVD 88)

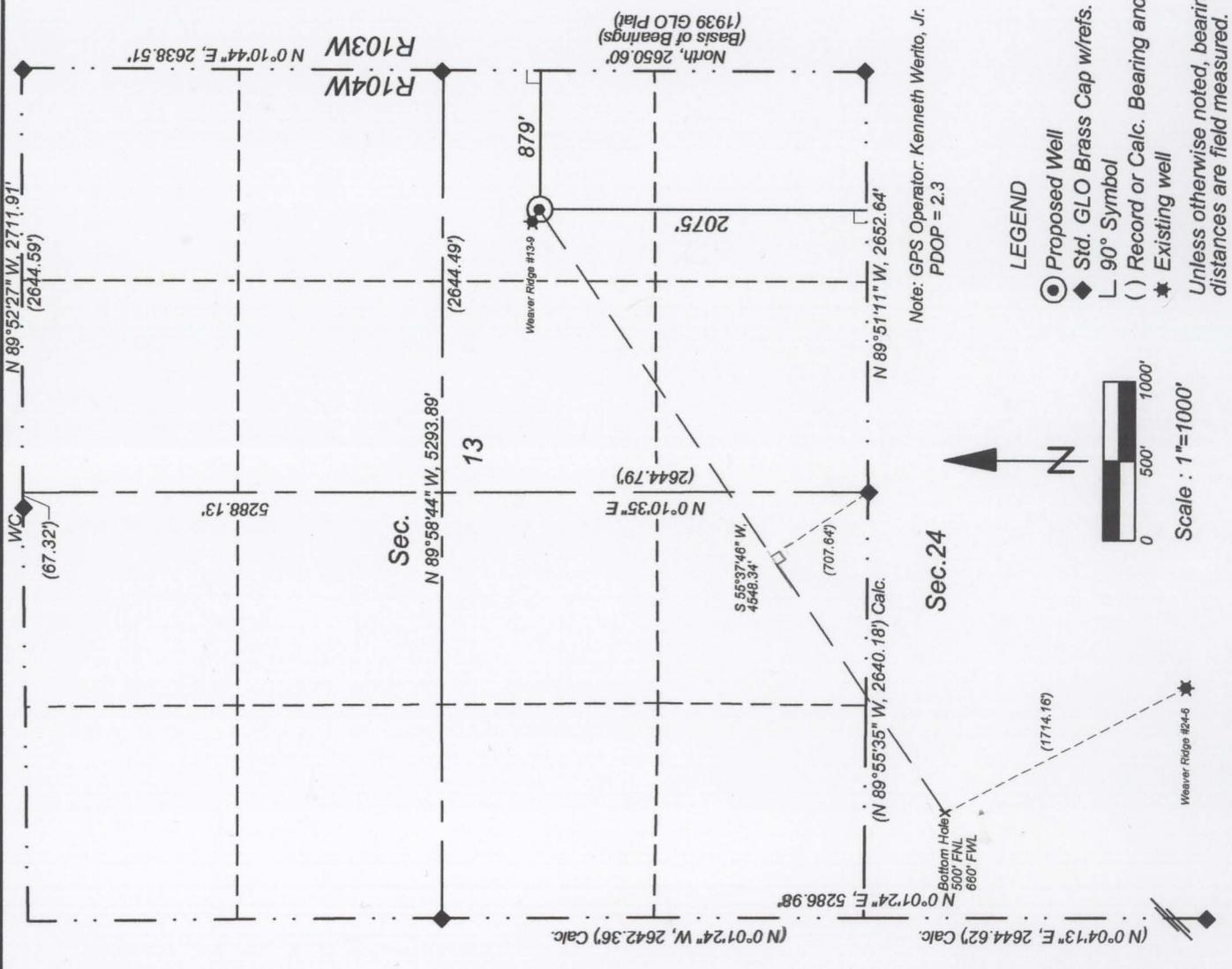
Lat. 39.95965° N  
 Long. 109.01081° W (NAD 83)  
 Field Completion Date: 27 May 2010  
 Plat Date: 12 June 2010

Non-crop Pasture  
 Existing Well Facilities

This is to certify that this plat was prepared from field notes of actual surveys made by me, or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Richard B. Gabriel  
 Colorado PLS No. 37929

Date



Note: GPS Operator: Kenneth Weritto, Jr.  
 PDOP = 2.3

#### LEGEND

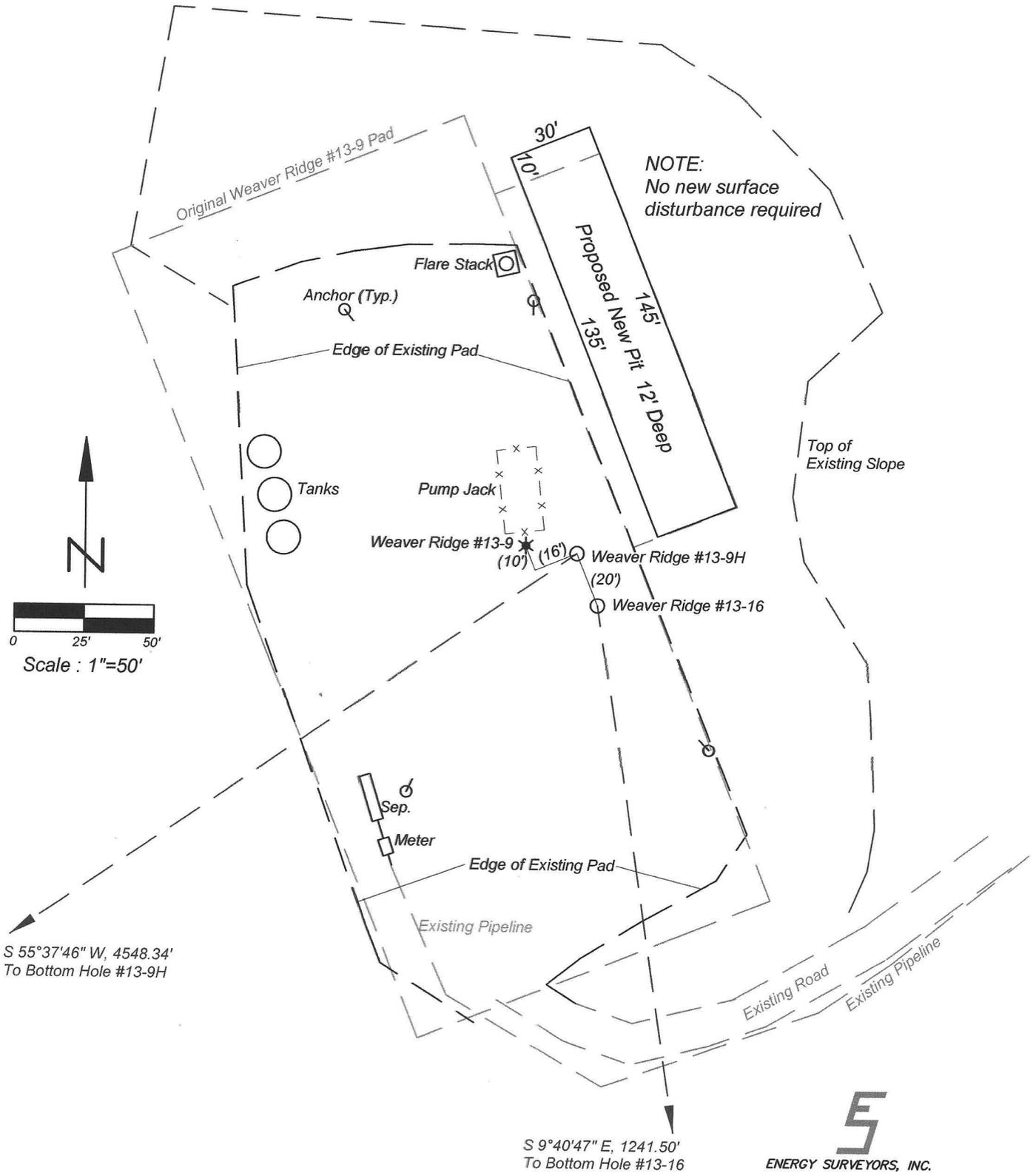
- Proposed Well
  - ◆ Std. GLO Brass Cap w/refs.
  - └ 90° Symbol
  - ( ) Record or Calc. Bearing and Dist.
  - ★ Existing well
- Unless otherwise noted, bearings and distances are field measured.



Scale : 1"=1000'

ENERGY SURVEYORS, INC.  
 P.O. BOX 991  
 FARMINGTON, NM 87499  
 FAX: 801-659-4246  
 OFFICE: 505-325-4005  
 CELL: 505-360-8142

Site Plan for  
 Robert L. Bayless, Producer LLC  
 Weaver Ridge 13-9, 13-9H, & 13-16  
 NE/4 SE/4 Sec.13, T1S, R104W, 6th PM  
 Rio Blanco Co., CO



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# Robert L. Bayless, Producer LLC

## DRILLING PROGRAM

(Attachment to Form 3160-3)

### Weaver Ridge # 13-9H

SHL: 2075' FSL & 879' FEL (NESE) Section 13, T1S R104W  
BHL: 550' FNL & 660' FWL (NWNW) Section 24, T1S R104W  
Rio Blanco County, Colorado  
Federal Lease: COC-058704

#### 1. SURFACE FORMATION -

Green River Formation – Fresh water possible above 300'.

SURFACE ELEVATION      5858 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	911 ft	Sandstones, shales, siltstones, some water, oil or gas bearing
Mesaverde	1,371 ft	Sandstones, shales, siltstones, some water, oil or gas bearing
Sego	2,538 ft	Sandstones, shales and siltstones, some water and gas bearing
Castlegate	3,043 ft	Sandstones, shales and siltstones, some water and gas bearing
Mancos	3,201 ft	Shales and siltstones, some water and gas bearing
Mancos A	4,038 ft	Shales and siltstones, some water and gas bearing
Mancos B	4,867 ft	Shales and siltstones, some water, oil and gas bearing

Lateral Measured Total Depth 8,135 ft

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

Green River Formation – Fresh water possible above 300'.

Mancos B – 4,867' – 8,135' Gas/Oil - Lateral Measured Depth

Water Zones will be protected by setting 9 5/8" 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 *
Surf – 500 ft	12-1/4"	9-5/8"	36# J-55 ST&C	Surface	To surface with ±290 sxs Class "G"
500 – 4900 ft	8-3/4"	7"	23# N-80	Intermediate	Lead: ±100 sx Premium Lite II (2900 ft - surface) Tail: ±370 sx 50:50 Pozmix G (2900 ft – 4900 ft)
4900– 8,500 ft	6 1/8"	*4-1/2"	*11.6# I-80 LT&C	*Liner	*Liner will not be cemented. Packers plus systems

\* Bayless intends to complete this well as an open hole completion to evaluate production before making the decision of running a 4-1/2" liner. If so, 4-1/2" liner will not be cemented.

\*Yields: "Class G" = 1.15 ft<sup>3</sup>/sx  
 "Premium Lite II" = 3.82 ft<sup>3</sup>/sx  
 "50:50 Pozmix G" = 1.26 ft<sup>3</sup>/sx

- 9 5/8" Surface Casing will be cemented to surface with 100% excess.
- 7" Intermediate casing will remain in place from surface to 4900 ft and it will be cement to surface with 60 % excess.
- Two centralizers will be installed on the float joint and one every second joint through all prospective pays.

\* - Actual cement volumes will be determined by caliper log.

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 rigged up after setting 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	LSND KCL system	8.4 - 8.6	38 - 42	6-8
500-4900	KCL/polymer system	8.4 - 9.4	45 - 60	6-8
4900-8136	KCL/polymer system	9.4 - 9.8	60 - 80	3-5

Sufficient 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 no intended to use oil in the mud.

7. AUXILIARY EQUIPMENT

- A) Upper kelly cock (lower kelly cock - 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 (700 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 700 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 2,000 psi

10. ANTICIPATED START DATE AND OTHER INFORMATION

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

- Starting date: September 01, 2010
- Drilling Days: Approximately 20 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) 1365 'FSL & 1918' FEL, Sec 13 T1S R104W

Existing location pad will be of sufficient size to accommodate all completion activities and equipment without new surface disturbance. All conditions of this approved plan will be applicable during all drilling and completion operations.

**Robert L. Bayless, Producer LLC**

**WEAVER RIDGE #13-9H**

SHL: 2075' FSL & 879' FEL (NESE) Section 13, T1S R104W  
BHL: 550' FNL & 660' FWL (NWNW) Section 24, T1S R104W  
Rio Blanco County, Colorado

**SURFACE CASING AND CENTRALIZER DESIGN**

Proposed Total Depth: 4,870 ft      Proposed Depth of Surface Casing: 500 ft  
Estimated Pressure Gradient: 0.42 psi/ft  
Bottom Hole Pressure at 4,870 ft      Hydrostatic Head of gas/oil mud: 0.22 psi/ft  
0.42 psi/ft x 4,870 ft = 2,045 psi      0.22 psi/ft x 4,870 ft = 1071 psi

Maximum Design Surface Pressure

Bottom Hole Pressure	-	Hydrostatic Head	=	
(0.42 psi/ft x 4,870 ft)	-	(0.22 psi/ft x 4,870 ft)	=	
2,045 psi	-	1071 psi	=	974 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	= <b>21.89</b>	<b>OK</b>
Burst:	Safety Factor: 3,520 psi / 974 psi	= <b>3.61</b>	<b>OK</b>
Collapse:	Hydrostatic: 0.052 x 9.0 ppg x 500 ft	= 234 psi	
Safety Factor:	2,020 psi / 234 psi	= <b>8.63</b>	<b>OK</b>

Use: 500 ft of 9 5/8" J-55 36.0 #/ft ST&C casing

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)

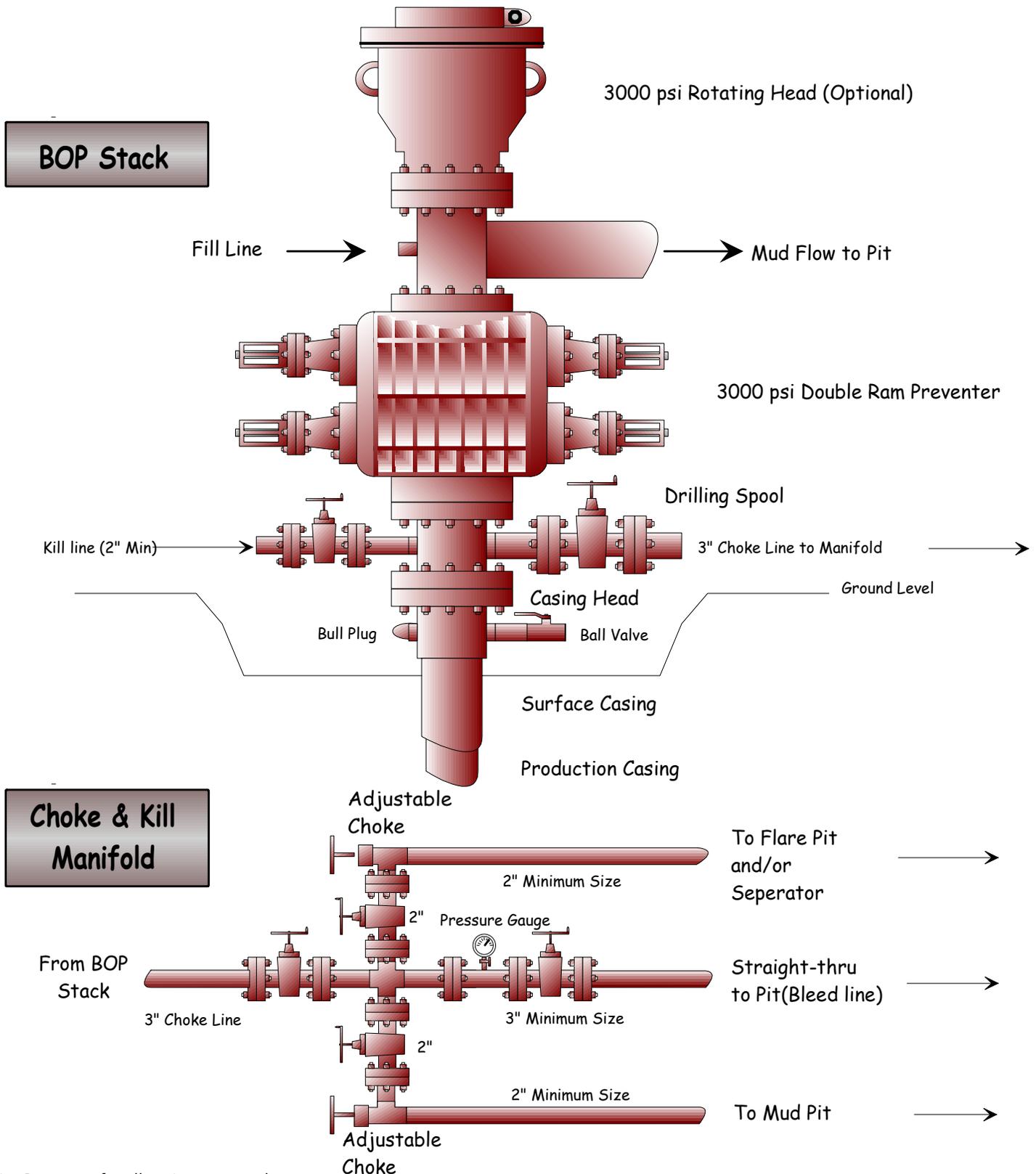
Total centralized ± 420 ft

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 #13-9H



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

**Robert L. Bayless, Producer LLC**

**Weaver Ridge # 13-9H**

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BHL: 550' FNL & 660' FWL (NWNW) Section 24, T1S R104W  
Rio Blanco County, Colorado  
Federal Lease: COC-058704

**SURFACE USE PLAN**  
**NO NEW SURFACE DISTURBANCE**  
(Attachment to Form 3160-3)

**WELL LOCATION AND INTRODUCTION**

The surface location of this proposed horizontal well is 2075' FSL & 879' FEL (NESE) Section 13, of T1S R104W with bottom-hole location at 550 FNL & 660 FWL (NWNW) Section 24, of T1S R104W. Bayless will remain within the original area of disturbance of the existing Weaver Ridge 13-9 wellpad. No new surface disturbance or access roads are required at this well site that is geologically, legally, and topographically acceptable. The existing wellpad was originally surveyed and staked on April 25, 2008 by Alliance Engineering for Robert L. Bayless, Producer LLC (Bayless), then re-staked on May 27, 2010 by Energy Surveyors, Inc.

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**

Beginning at the west end of Rangely, Colorado at the intersection of Highway 64 and County Road 2 (River Road), travel southerly on County Road 2 for approximately 11.5 miles and turn left (Cottonwood Creek Road). Travel on Cottonwood Creek Road for 4.6 miles and turn right. Travel 2.5 miles and turn right. Travel westerly for 1,606 feet (0.30 miles) to the proposed location, see exhibit 1C.

1) **EXISTING ROADS**

- A) The proposed well is a development/confirmation well to be drilled from an existing wellpad. The proposed well has been staked and reference stakes are present. Please refer to sheets 1A to 1C for location photos and proposed well as staked.
- B) No BLM road-right-of-way is required. A BLM road ROW was requested in the APD for the Weaver Ridge 13-9 well when originally filed, this same existing upgraded ROW will be utilized.
- C) The existing road will be maintained in their current condition or better prior to the commencement of operations and will continue until final abandonment and reclamation of the well 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.
- D) 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.

- E) Erosion control (wattles, straw bales and ditch) for the existing access road and wellpad are in place. Ditches along the wellpad are used to control drainage. No culverts are required.

2) NEW or RECONSTRUCTED ACCESS ROADS

- A) No new roads are planned or will be constructed to access the existing wellpad or production facilities in this well site.
- B) Bayless will remain within the original area of disturbance of the existing Weaver Ridge 13-9 well site as shown on sheet 1C and exhibits 5, 5A and 5B. No additional disturbance is required. Any additional area will be approved in advanced.
- C) If needed, the existing road will be surfaced to provided “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 Cannel Gravel P or Newpark Resources Gravel Pit.
- D) Dust control measures will be implemented during dry weather when necessary.
- E) No fence crossing or cattle guards are required for this well site.
- F) Bayless assumes the responsibility of maintenance of the access roads. Existing access roads shall be kept in good shape when necessary and in a timely manner.
- G) 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.
- H) 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 :
  - i. Grading and shaping of the roadway surface to maintain a distinct crown to move water rapidly off the road surface. Replace aggregate surfacing as necessary.
  - ii. Cleaning /reshaping ditches when necessary to maintain adequate flow capacity.
  - iii. Repair of slope protection, energy dissipation or other storm water control B BMP’s.
  - iv. Trimming roadside vegetation for sight distance and traffic safety.
  - v. Repair/ replacement of damaged road safety and regulatory signs.
  - vi. Watering for compaction/ dust control, ditch maintenance and ROW treatment for noxious weeds.
- I) Weed control will be performed by certified applicator and confirm to the pesticide Use Proposal (PUP) filed with the BLM

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

The topographic map (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:	None
Temporary abandoned wells:	1
Disposal wells:	None
Drilling Wells:	None
Producing Wells:	20
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 13-9 well, consisting of three production tanks, one separator and one flare stack are shown on exhibit 5. This equipment will be removed prior to the commencement of operations to conduct safe drilling and completion operations within the original area of disturbance.
- B) No additional gas gathering line for natural gas production will be constructed for this well. The new well will tie-in to the existing gathering line servicing the Weaver Ridge 13-9 well. This existing gathering line is shown in Exhibit 5.
- C) In the event of production, the final wellpad will consist on a total of 3 wells with 8 - 400 barrels production tanks, six for condensate and two for water, a gas allocation meter, three phase separators and three pumping units for each well on the pad and a flare stack. Exhibit 5B shows the proposed (anticipated) production facilities layout.
  - 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 test separator or the production separator. The 3 phase production separator will be used to separate gas, condensate and water from the individual well. The daily production will be allocated back based on each well respectively.
  - ii. Gas from the sales measurement unit will then flow to an existing buried flow line and off the well pad. Condensate production rates of individual wells will be allocated back based on condensate production measurements taken via the production separator.
  - 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.
- 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 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 on the previous approved APD for the Weaver Ridge 13-9.
- 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.

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 19.5 miles northeast of the proposed location. Dalbo Incorporated will haul water for Bayless.

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

6) SOURCE OF CONSTRUCTION MATERIALS

- A) No construction materials are needed for drilling operations.
- B) 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 or others over existing access roads to the area.
- C) Construction materials will consist of native materials from borrow ditches and location areas.
- D) The use of materials will conform to 43 CFR 3610.2-3.
- E) No construction materials will be removed from BLM lands.

## 7) WASTE DISPOSAL

- A) Drilling fluids will be contained in a lined reserve pit 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 section E below).
- B) 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 disposal in Rangely, CO or Peacock disposal. 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.
- C) All mud cuttings will meet the requirements of the COGCC 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.
- D) 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.
- E) 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.
- F) 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.
- G) 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.
- I) 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

- A) Bayless will remain within the original area of disturbance of the existing Weaver Ridge 13-9 well site as shown on sheet 1C and exhibits 5, 5A and 5B. No additional disturbance is required. Any additional area will be approved in advanced.
- B) All equipment and vehicles will be confined to the existing access road and wellpad area outlines in exhibit 5B.
- C) A 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.
- D) 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
- E) The reserve pit will be capable of holding 600- 700 bbls of fluid. This size of pit will be approximately equivalent to four times the TD hole volume. 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.
- F) 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.
- G) 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.
- H) If needed, flare pits must be located a sufficient distance from the reserve pit to prevent the liner from being damage during flaring operations.
- I) Compaction and construction of the berms surrounding production tanks will be designed to prevent lateral movement of fluids through the berm, prior to any storage of fluids.
- J) 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.
- K) BMP’s associated with stormwater management / erosion control will be applied to the site during and after construction and drilling/completions operations. Straw wattles, excelsior logs or dirt berms will be used for perimeter runoff control around most of the wellpad and stockpiles. In order to prevent the discharge of sediments from disturbed slopes associated with the access road or well pad, water containments will be constructed 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 at the bottom of the fill (toe of the disturbed slope) if necessary.

## 10) SURFACE RECLAMATION PLANS

- A) Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, material, trash and junk not required for production.
- B) The reserve pit 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.
- C) 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. The area will be revegetated using a certified and an approved seed mixture #1 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 15<sup>th</sup> through the first frost, unless instructed otherwise. If necessary, a BLM certified weed applicator will be used for weed control
- D) Once all wells planned for the pad have been drilled, completed and hooked up to production equipment, interim reclamations will take place. 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.
- E) 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.
- F) 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 mix#1 approved by the BLM.
- G) 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).
- H) 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.
- I) 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. Natural drainage patterns will be restored and stabilized by an application of BMP's per approved SWMP for this site. These BMP's will include surface roughening, seeding and erosion control wattles. Runoff from regraded areas will continue to be controlled at the perimeter of the disturbed area using straw wattles, excelsior logs or dirt berms. These measures will continue to be maintained around the perimeter of the site until stabilization of the reclaimed areas has been achieved.
- iii. If needed, livestock will be excluded from the final reclaimed wellpad areas by installation of a four-strand BLM Type D barbed wire fence, unless otherwise instructed by the BLM
- iv. A seed mixture # 1 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 #1					
Ecological sites	Common Name	Cultivar	Genus	Species	LBS PLS/acre
Alkaline Slopes, Clayey Foothills, Clayey Slopes, Claypan, Mountain Shale	Western Wheatgrass	Arriba	<i>Pascopyrim</i>	<i>smithii</i>	3
	Streambank Wheatgrass	Sodar			2
	Indian Ricegrass	Rimrock	<i>Achnatherum</i>	<i>hymenoides</i>	2
	Thickspike Wheatgrass	Critana	<i>Elymus</i>	<i>lanceolatus</i>	2
	Bottlebrush Squirreltail	Sandhollow			1

- J) 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) GENERAL INFORMATION

- A) The well site and lease is located entirely on Federal surface. Surface access will be via county and BLM roads.
- B) 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.
- C) 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.
- D) No Fauna was observed in the area. Assumed Fauna are mule deer, elk, coyotes, rabbits, raptors, and rodents.
- E) The proximity of water is an unnamed intermittent drainage 100 feet west of location that flows into Cottonwood Creek. There are no occupied dwellings or other features in the vicinity of this location.
- F) The concurrent surface use in the area is grazing and petroleum production.
- G) Mineral Lessor - Bureau of Land Management

H) Surface Owner

Drillsite - Existing	Bureau of Land Management White River Resource Area 220 E. Market Street Meeker, CO 81641	970-878-3800
Access - Existing	Bureau of Land Management White River Resource Area 220 E. Market Street Meeker, CO 81641	970-878-3800

12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

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.

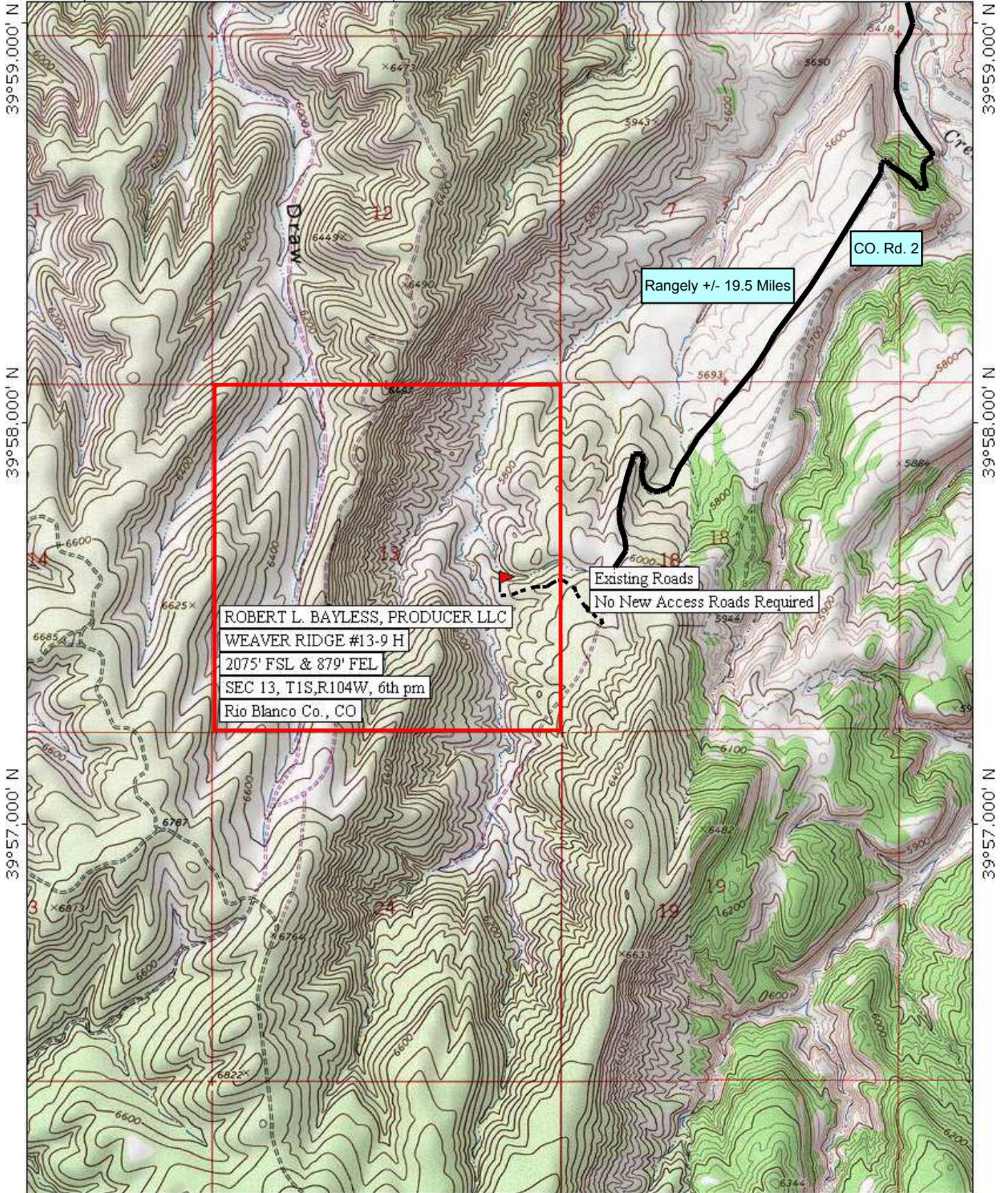
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated 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

JUNE 30, 2010  
Date

109°02.000' W      109°01.000' W      WGS84 109°00.000' W



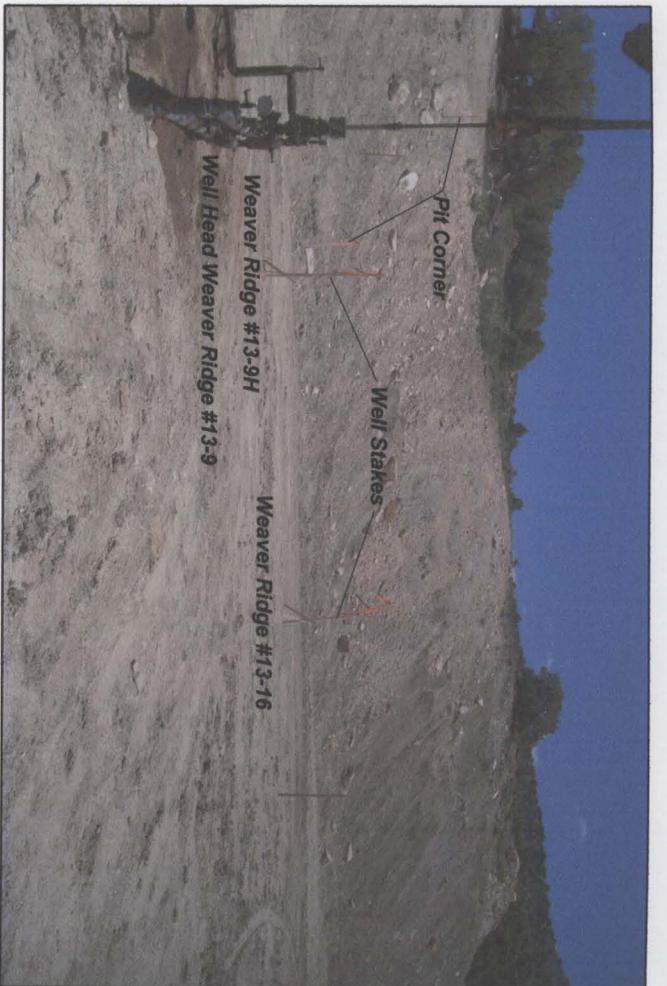
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TN  
MN  
11 1/2°

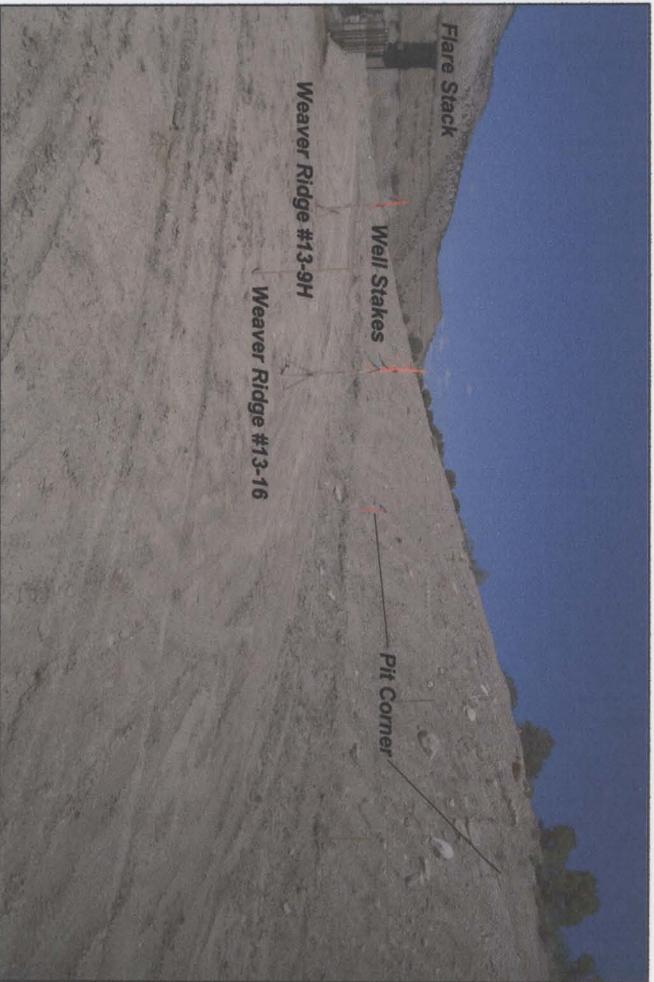
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0 .5 1 MILE

ROBERT L. BAYLESS, PRODUCER LLC  
WEAVER RIDGE #13-9H & #13-16  
NE/4 SE/4 Sec. 13, T1S, R104W, 6th PM  
Rio Blanco Co., CO

Looking East  
25 May 2010



Looking North  
25 May 2010

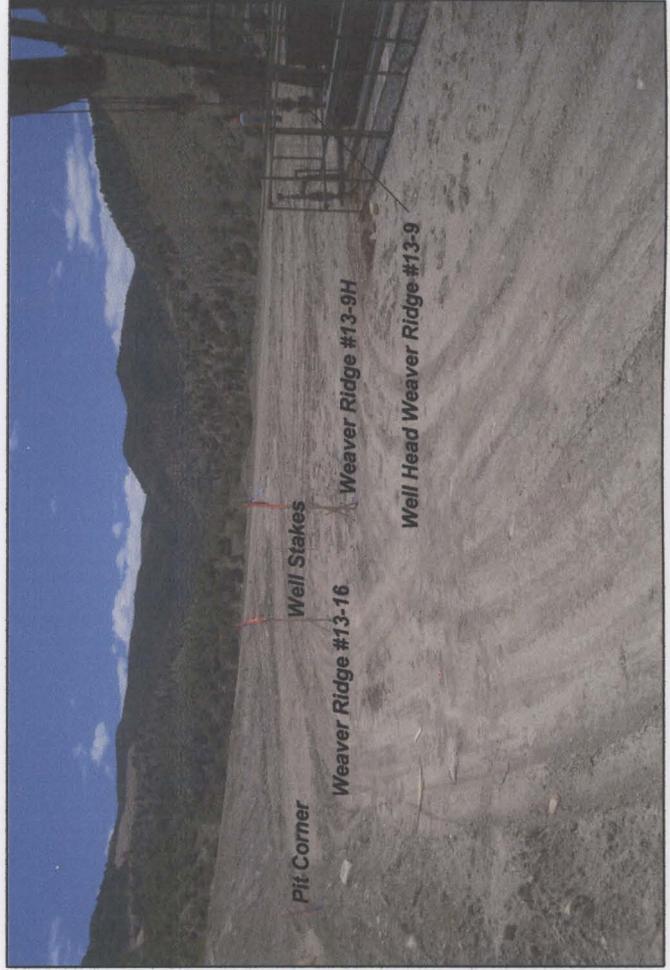
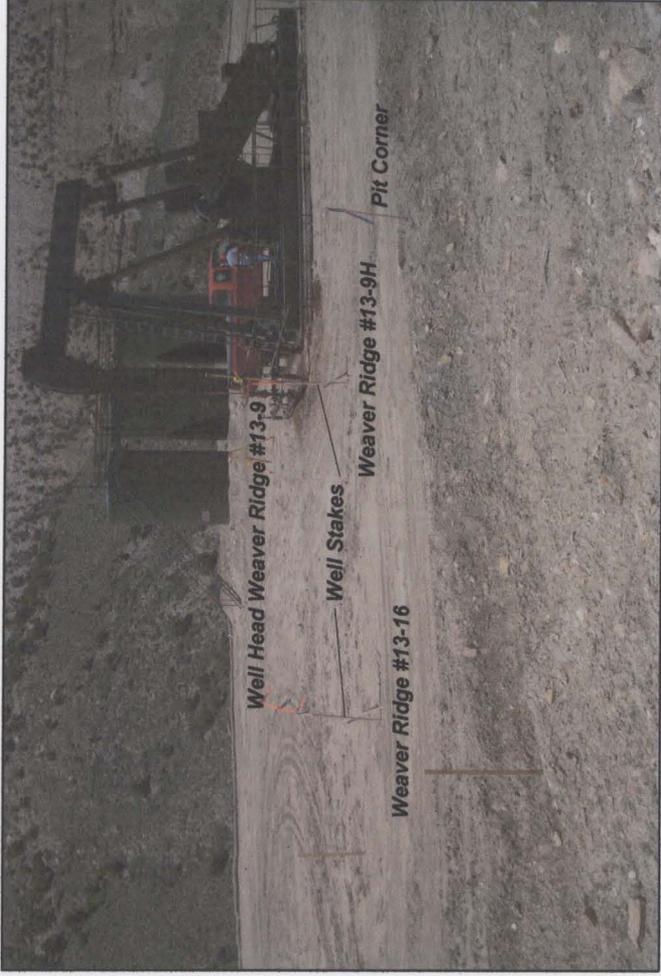


SHEET 1A

ENERGY SURVEYORS, INC.  
P.O. BOX 991  
FARMINGTON, NM 87499  
FAX: 801-639-4246  
OFFICE: 505-325-4005  
CELL: 505-360-8142

ROBERT L. BAYLESS, PRODUCER LLC  
WEAVER RIDGE #13-9H & #13-16  
NE/4 SE/4 Sec. 13, T1S, R104W, 6th PM  
Rio Blanco Co., CO

Looking West  
25 May 2010



Looking South  
25 May 2010



SHEET 1B

ENERGY SURVEYORS, INC.

FAK: 801-659-4246

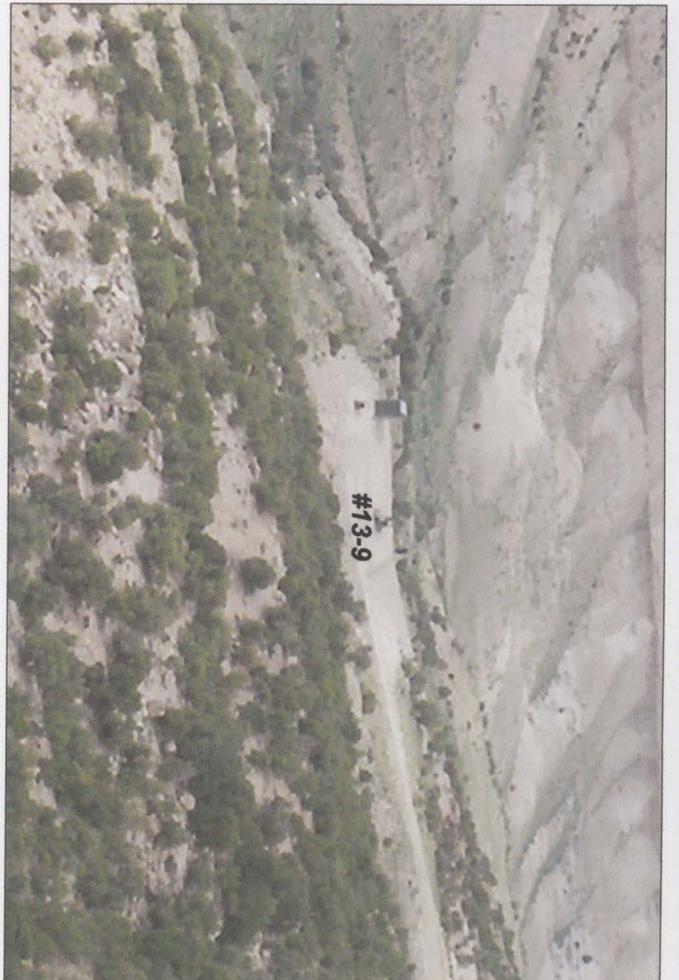
OFFICE: 505-325-4005

CELL: 505-360-8142

P.O. BOX 991  
FARMINGTON, NM 87489

**ROBERT L. BAYLESS, PRODUCER LLC  
WEAVER RIDGE #13-9H & #13-16  
NE/4 SE/4 Sec. 13, T1S, R104W, 6th PM  
Rio Blanco Co., CO**

**Oblique View  
Looking NNW  
26 May 2010**



**Oblique View  
Looking SE  
26 May 2010**



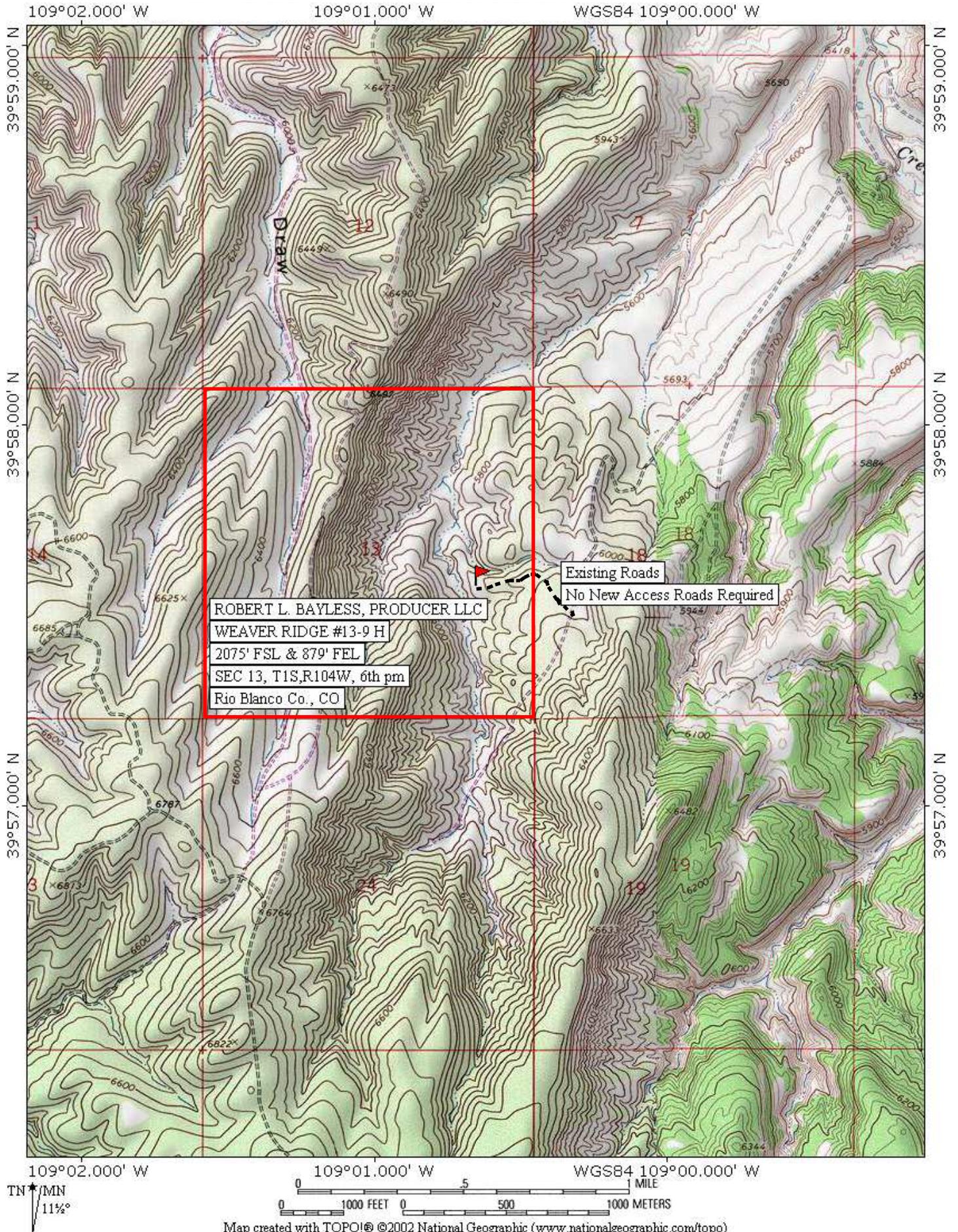
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FRANKINGTON, NM 87439**

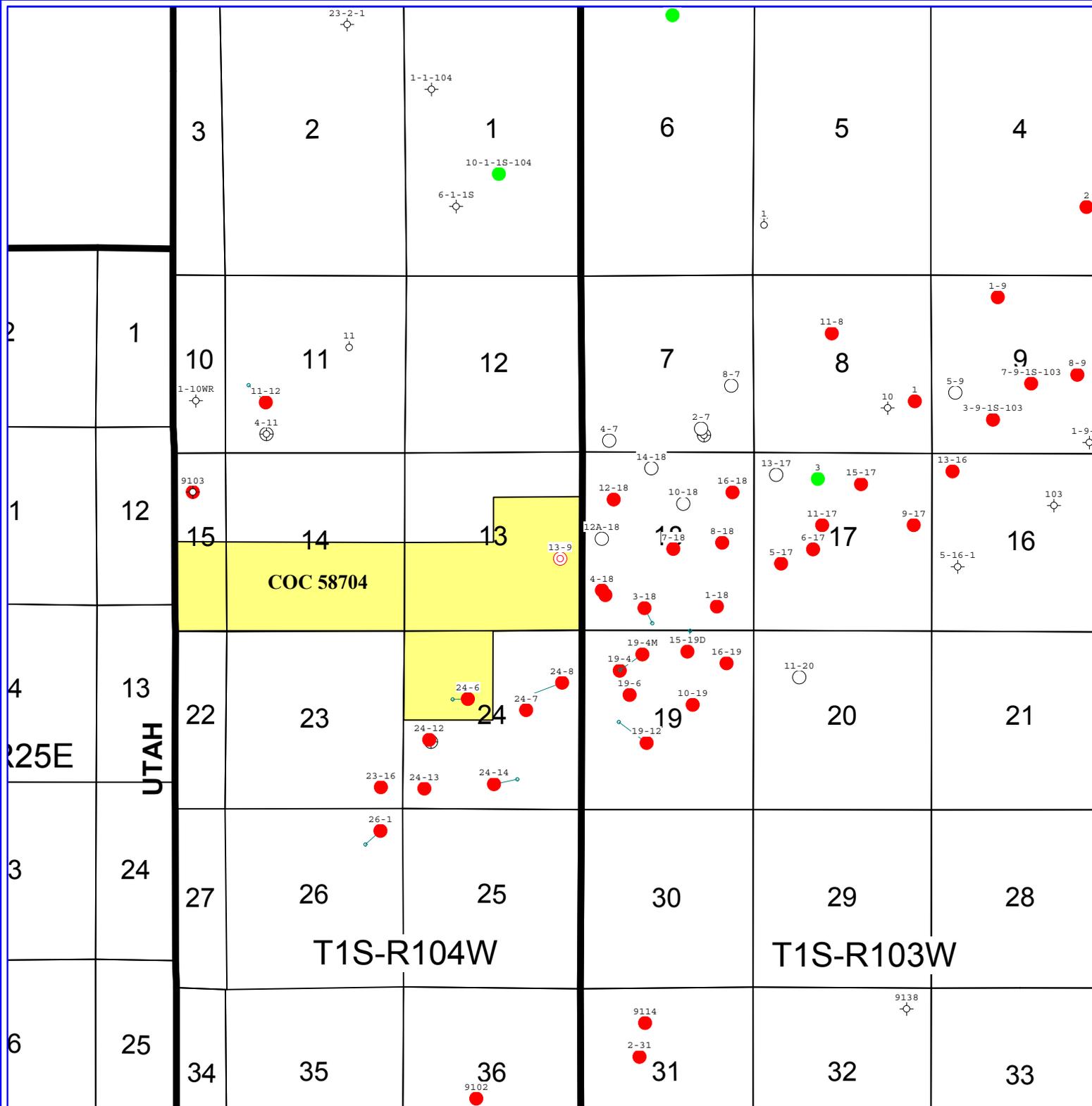
**ENERGY SURVEYORS, INC.**



**SHEET 1C**

**FX: 801-639-4246  
OFFICE: 505-329-4005  
CELL: 505-380-8142**





ROBERT L. BAYLESS, PRODUCER LLC

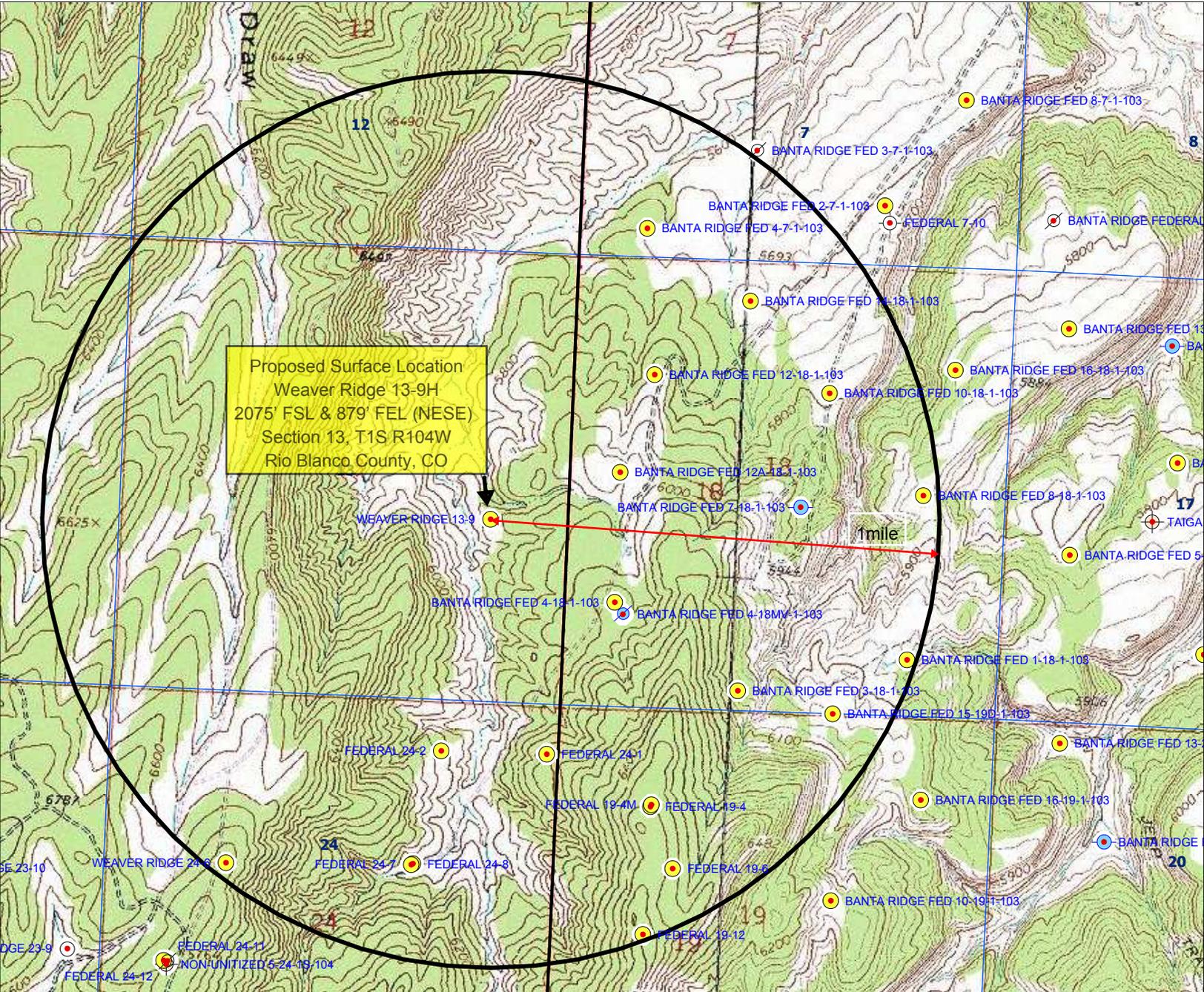
Mineral Lease MAP

Sec.13, T1S, R104W, 6th PM

Rio Blanco Co., CO

# 1 Mile Radius Map

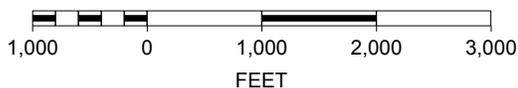
Proposed Surface Location  
Weaver Ridge 13-9H  
2075' FSL & 879' FEL (NESE)  
Section 13, T1S R104W  
Rio Blanco County, CO



Proposed Surface Location  
Weaver Ridge 13-9H  
2075' FSL & 879' FEL (NESE)  
Section 13, T1S R104W  
Rio Blanco County, CO

1 mile

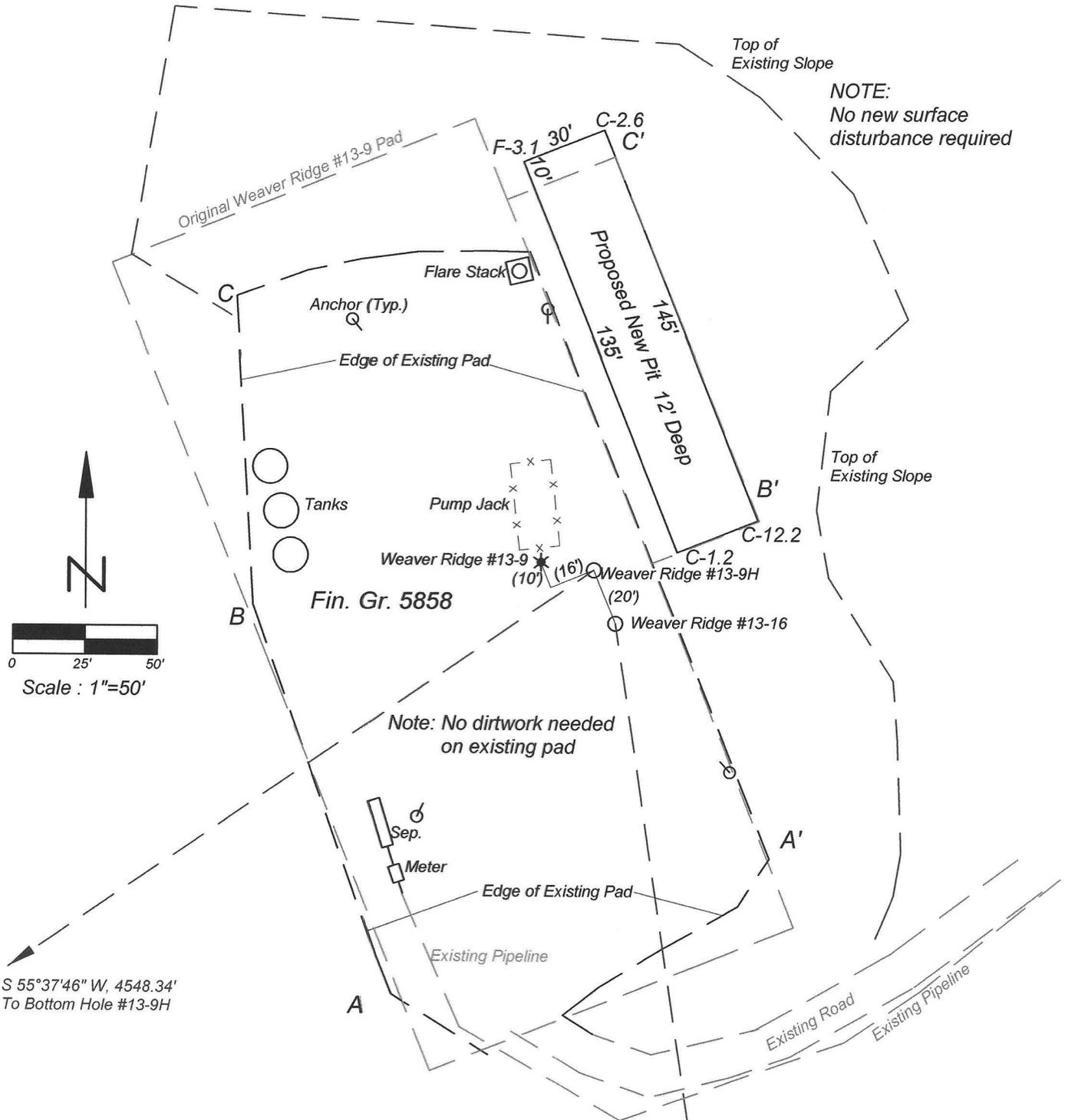
SCALE 1 : 20,000



- Producing Wells
- Temporary Abandoned



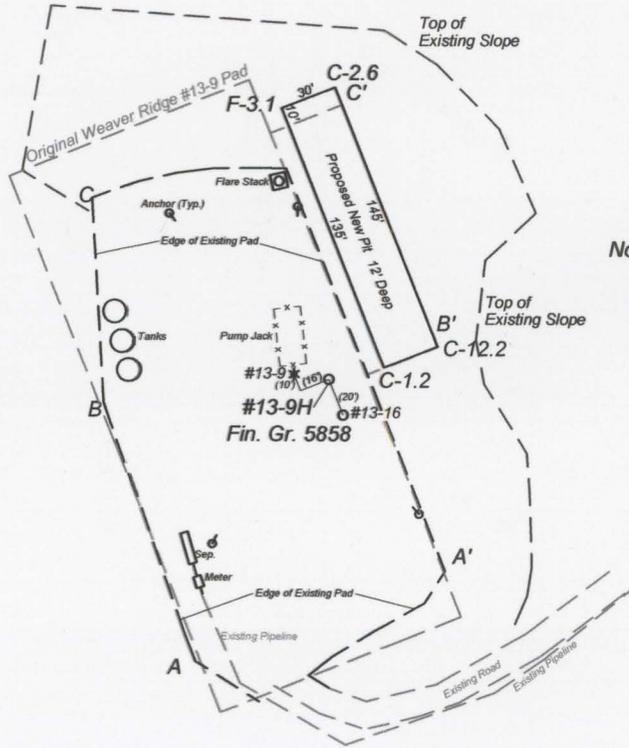
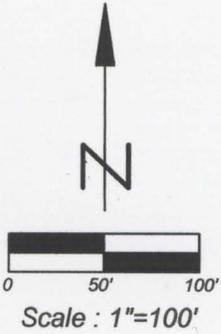
Pit and Pad Layout for  
 Robert L. Bayless, Producer LLC  
 Weaver Ridge #13-9H  
 2075' FSL & 879' FEL  
 Sec. 13, T1S, R104W, 6th PM  
 Rio Blanco Co., CO



Fin. Gr. 5858

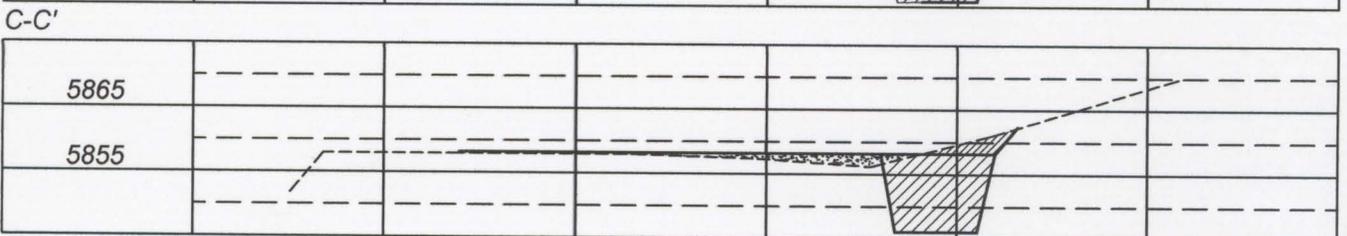
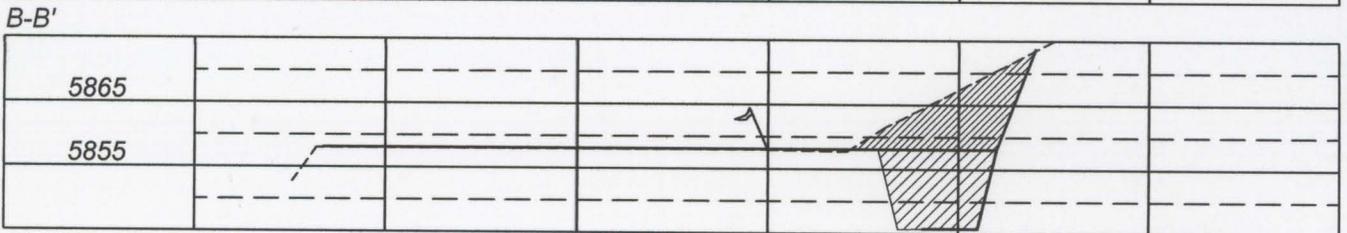
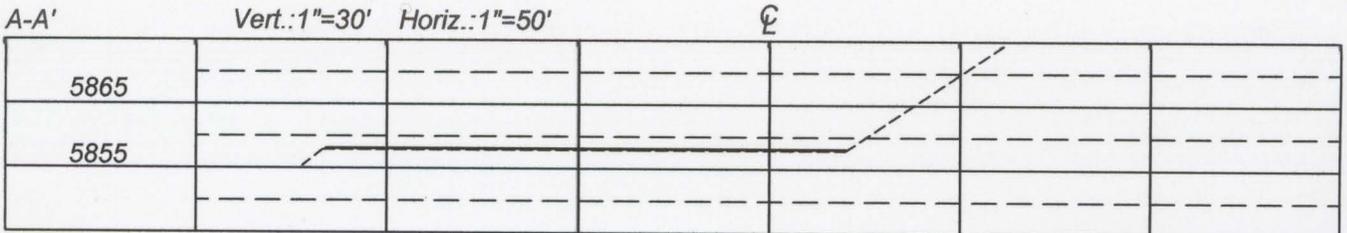
**ENERGY SURVEYORS, INC.**  
 P.O. BOX 991  
 FARMINGTON, NM 87499  
 FAX: 801-659-4246  
 OFFICE: 505-325-4005  
 CELL: 505-360-8142

Pit and Pad Layout for  
 Robert L. Bayless, Producer LLC  
 Weaver Ridge #13-9H  
 2075' FSL & 879' FEL  
 Sec. 13, T1S, R104W, 6th PM  
 Rio Blanco Co., CO



Note: Existing pad to be utilized as-is.  
 Pits to be cut with no new disturbance  
 outside of previous top of cut slope.

Cut: ± 684 CY  
 Fill: ± 27 CY  
 Pit Vol.: ± 1064 CY



Proposed Layout for  
Robert L. Bayless, Producer LLC  
Weaver Ridge #13-9, 13-9H, & 13-16  
NE/4 SE/4  
Sec. 13, T1S, R104W, 6th PM  
Rio Blanco Co., CO

Area between Top and Toe  
of slope for original WR #13-9 pad  
Total disturbed area: 1.80 Ac.±

Top of  
Existing Slope

Approx. Toe of  
Existing Slope

Original Weaver Ridge #13-9 Pad

NOTE:  
No new surface  
disturbance required

Flare Stack

Anchor (Typ.)

4 New Tanks

Edge of Existing Pad

3 Existing Tanks

Weaver Ridge #13-9

Weaver Ridge #13-9H

1 New Tank

Weaver Ridge #13-16

New Sep. & Meters

Existing Sep.

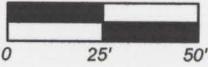
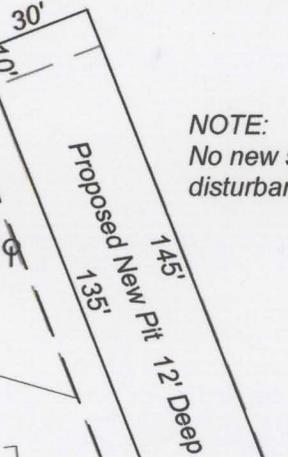
Existing Meter

Edge of Existing Pad

Existing Pipeline

Approx. Toe of  
Existing Slope

Top of  
Existing Slope



Scale : 1"=50'



ENERGY SURVEYORS, INC.

P.O. BOX 991  
FARMINGTON, NM 87499

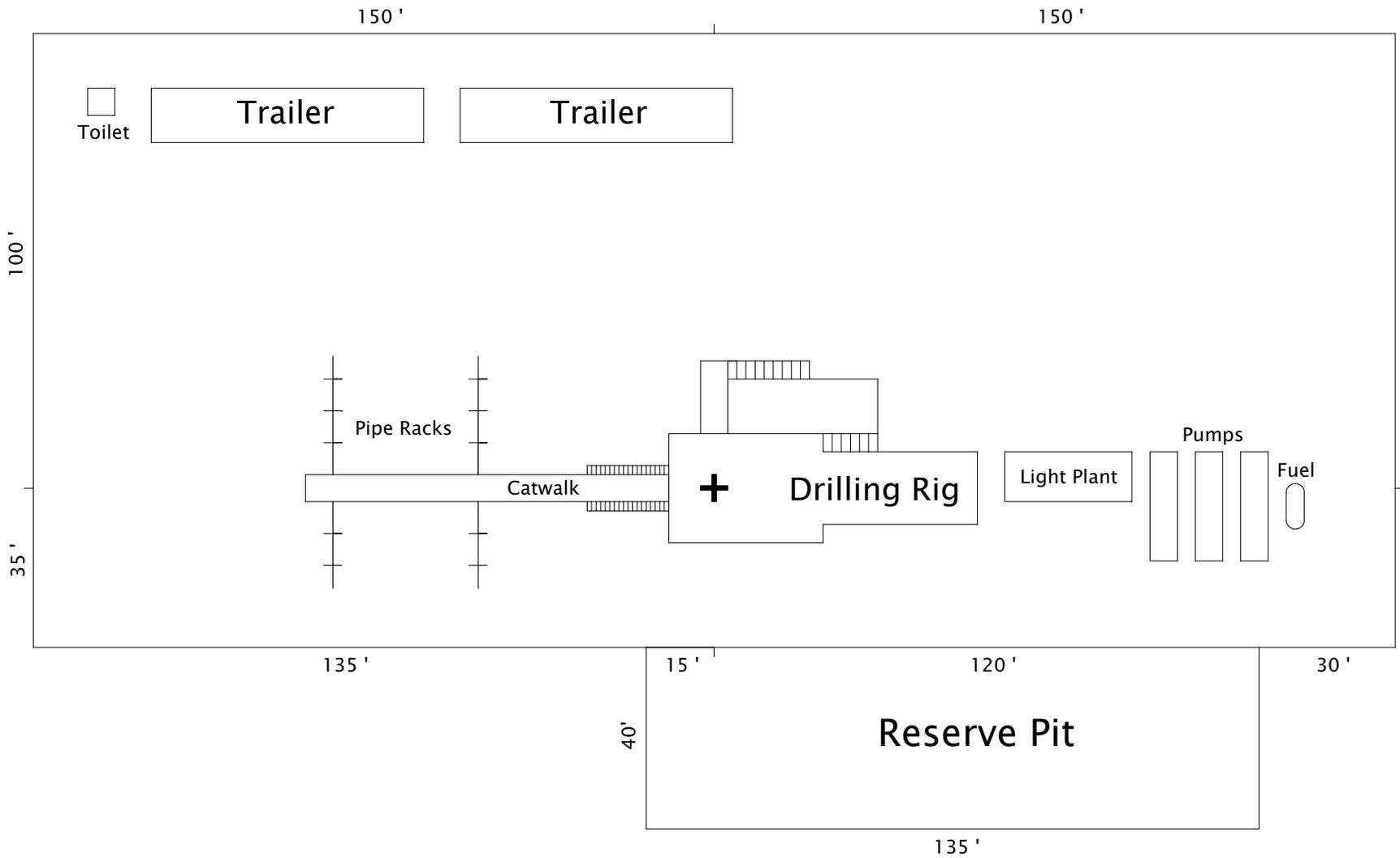
FAX: 801-659-4246  
OFFICE: 505-325-4005  
CELL: 505-360-8142

**EXHIBIT 6**

**Drilling Rig Layout**

Robert L. Bayless, Producer LLC

Weaver Ridge # 13-9 H



**ROBERT L. BAYLESS PRODUCER LLC****Weaver Ridge 13-9 H**

SHL: 2075' FSL & 879' FEL (NESE) Section 13, T1S, R104W  
BHL: 550' FNL & 660' FWL (NWNW) Section 24, T1S, R104W  
Rio Blanco County, Colorado  
Federal Lease: COC-58704

**Reclamation and Rehabilitation Operations**

(Attachment to Surface Use Plan)

The following plan describe surface reclamation actions for vegetation and soil rehabilitation, scarification and reseeding of the pads "apron" (the area surrounding the pad site, including the cut and fill, topsoil and excess materials stockpile sites, etc.). The BLM will be contacted prior to commencement of any reclamation operations.

The direction and specific work orders spelled out in this plan will apply to the existing well pad on the above cited well. The overall goals and objectives of this plan for the Weaver Ridge 13-9H well pad site and any additional infrastructure associated with this well are to a)Minimize the surface impacts to other resources and authorized uses in the vicinity of the well pad site, b)Restore the landform and natural process to re-establish and sustain a pre-disturbance productivity of the site, consistent with the 1997 White River Resource Management Plan (WRRMP), c) Apply all Conditions of Approval (COA)s which are outlined in the Record of Decision/EA associated with this well and also consider additional applicable BLM's Conditions of Approval (WRRMP, Appendix 2) as a baseline to minimize surface impacts and enhance subsequent reclamation actions, and d)Apply appropriate new techniques and/or methodologies that would minimize surface disturbance and enhance reclamation success.

This plan outlines new and additional interim and final reclamation actions for the Weaver Ridge 13-9H well pad that would need to occur to realize the objectives stated above.

**Criteria for Determining Long -Term Success of This Plan**

To determine success, the following criteria would be used:

- Establish a self-sustaining, healthy, diverse, native or seeded plant community on the well pad site.
- Maintain sufficient desired vegetation density to a) control erosion and b) prevent non-native plant invasion. Specifically, erosion control is sufficient when gullying, deep and excessive rilling or slumping is not observed.
- Re-establish wildlife habitat or forage production.
- Revegetation success criteria will be as follows:
  - Total vegetative ground cover will be at least 70% of ground cover in a comparable, adjacent undisturbed area
  - Seeded or desirable plant species will consist of at least 90% of vegetative ground cover.

**RECLAMATION PLAN****1. General Practices**

The following practices will be completed prior to the initiation of any specific reclamation action:

- Clearly stake the specific area(s) to be worked and limit all work to be within these stakes.
- Take photos of the specific area(s) to be worked/reworked prior to and at the conclusion of the scheduled work.
- Bayless will conduct a pre-work meeting with any contractor and/or subcontractor associated with actions outlined in this plan. The purpose of such meetings is to ensure all reclamation actions are discussed and understood prior to initiating any such action.
- Bayless will have a representative on site during all reclamation actions. Should a question arise as to the specific actions/processes to be undertaken, surface- disturbing actions will cease and the BLM will be consulted. Surface-disturbing actions will resume only after clarification and/or adjustments to the specific actions are agreed to by both the BLM and Bayless.
- Bayless will provide BLM with at least 24 hours notice prior to actual initiation of any reclamation action.
- Earthwork for both interim and final reclamation actions will be completed within six (6) months of each well completion or plugging (weather permitting). Drill pit and reserve or production pits (if used) will be reclaimed in strict adherence to requirements established in Onshore Order #7. In general these requirements include: pits must be free of oil and other liquid and/or solid wastes prior to filling, pit liner must be removed to the solids level or treated to prevent re-emergence to the surface, pit area will be filled in and mounded slightly to allow for settling and positive drainage.

**2. CONDITIONS AND/OR REQUIREMENTS****a. Site Preparation**

- Visually inspect and control any weeds on the site to be reclaimed to ensure that it is free of noxious and invasive weed plants prior to completing any reclamation actions.
- Minor/temporary re-contouring will be accomplished to return the reclaimed area's landform to a flat, gently sloping saddle. The site will be restored to maintain the gentle and natural drainage pattern.
- Access routes of the pad will be maintained to include proper drainage from the pad.
- Complete all ground work on the contour over areas to be revegetated.
- If soil is compacted, rip the soil to relieve soil compaction several days prior to reseeding.

**b. Topsoil**

- Ensure all topsoil is free of rock fragments larger than gravel size (3 inches) and comprise less than 5% of the topsoil.
- Spread topsoil over the entire staked area to be reclaimed.

**c. Reseeding**

- Disturbed areas will be reseeded to reduce the potential for invasive species infestations.
- Apply seed using a rangeland-type drill seeder. If the area to be reclaimed is too small to effectively utilize rangeland-type seed drill, broadcasting of the seed may be appropriate. If broadcasting, double the recommended seed amounts and rake or harrow the area to cover seed.
- Use a drill seeder that is of a size and properly equipped to complete the reseeding action. The drill seeds should also be equipped with the following: a) light-weight chains attached to the drill tubes to lightly cover the seed after deposition; and b) packer wheels to compact the seeded furrow and lessen the depth of soil overlying the planted seed.
- Apply seed during periods when maximum soil moisture is anticipated, i.e., late fall or early winter. Delay seeding long enough in the fall to prevent germination until the following spring. Fall seeding will be completed after September 1, and prior to prolonged grounds frost. To be effective, spring seeding will be completed after the frost has left the ground and prior May 15<sup>th</sup>.
- Prior to actually setting seed, ensure sufficient topsoil moisture content exists. Sufficient moisture content may be determined by forming a short ribbon of moistened soil thru the thumb and index finger, or when a small ball of moistened soil can be formed and hold its shape.
- If insufficient soil moisture exists, gently sprinkle water from water trucks. Seeding may occur if insufficient moisture content exists, but there is at least a 60% from an incoming storm event.
- Visually inspect the reseeded area. If a large percentage of seed is visible on the soil's surface, hand rake or harrow the area to cover the seed to minimize predation by birds and rodents. Leave the reseeded area roughened to improve surface water retention and prolong soil moisture
- The site will be revegetated using a certified seed mix and application rates as prescribed by the BLM. If possible apply this seed mix in the fall to take advantage of available soil moisture.
- Acquire site-adapted seed from a reputable and knowledgeable source. All acquired seed will be certified weed-free. All seed poundage will be pure-live seed. Following seeding, BLM will be provided with all seed bag tags.

**d. Protection of Reseeded Areas**

- Manage noxious and problem weeds so that they cause no further negative environmental, aesthetic or economic impact.
- Install a protective fence around the reseeded areas to reduce the possibility of foraging by wild horses, wildlife and livestock. No existing vegetation along this fence line would be removed; however, shrubs may be hand-cut to allow for placement of wire.
- Remove this protective fence after the end of the second growing year if the following condition is met or there is direct evidence that the reseeded area is making substantial progress towards meeting the established objective.
- Maintain this protective fence until the reseeded areas achieve the desired density and are mature enough to withstand the pressure of foraging.
- Work with other authorized users of the area to minimize drawing attention of foraging animals to the reseeded areas, i.e., request livestock operators to not put out salt, feed supplements, water facilities within 1 mile of the reseeded areas.

**e. Monitoring**

The following monitoring strategy will be undertaken to provide quantifiable data needed to assess the success of this plan and to quickly identify changes in trends/progress towards realizing the overall objectives of this plan.

- Establish photo point(s) at permanent/long-term reference locations to provide a general view of the reclaimed areas associated with the well pad, apron and along the access route and pipeline corridor.
- Establish one, 100 meter (330-foot) transect outside the reclaimed area, on a site of similar soils and vegetation. The location of this site, which would be approved by BLM, would serve as a representative reference location to determine the revegetation trend of the reclaimed area.
- Establish at least two, 100 meter (330-foot) transects within the revegetated areas associated with the well pad and apron areas and/or along the access route and pipeline corridor.
- Beginning in 2010, take photos and record data from the transects during June or July, the period of maximum vegetative growth. Repeat these actions for at least 2 years to determine the level and/or trends of success of the actions outlined in this plan.
- If after 2 years interim reclamation actions are successful, i.e., meeting the overall objectives reduce monitoring to other year until final reclamation is complete and determined successful.
- Copies of all monitoring data and photos will be provided to BLM by the end of each calendar year.

**f. Follow-up Actions**

If after 2 growing seasons data reveals that the total vegetative ground cover in the reseeded areas is less than 70% of ground cover in a comparable, adjacent undisturbed area or seeded or desirable plant species consist of 90% or less of the existing vegetative ground cover, then the steps outlined above will be reassessed. It may be appropriate to repeat the actions outlined above or revise the plan to incorporate new or different methodologies or technologies, seed mixtures, etc.

**Table 2. Interim Reclamation Actions and Time Schedule for Weaver Ridge 13-9H well.**

Actions	Subsequent Action	Time Schedule
1. Control noxious and invasive weeds per the approved PUP.	<ul style="list-style-type: none"> <li>Submit pesticide Use Proposal for the Weaver Ridge 13-9H.</li> <li>Work with BLM and County, as appropriate to obtain approval for PUP.</li> <li>Inventory and flag all areas dominated by noxious and invasive weed species to be treated and controlled in 2010.</li> <li>Control weeds in accordance with the approved PUP.</li> </ul>	<ul style="list-style-type: none"> <li>Prior to March 1, 2011</li> <li>Prior to March 1, 2011</li> <li>No later than the 4 leaf stage of emerging vegetation in areas identified.</li> </ul>
2. Construct needed water control structures or install straw wattles to minimize effects of surface water runoff and topsoil loss.	<ul style="list-style-type: none"> <li>Install per BLM direction, if provided or as described in sections 1-E or 9-K of the Surface use plan</li> </ul>	<ul style="list-style-type: none"> <li>Already in place.</li> </ul>
3. Reseeded the entire pipeline corridor	<ul style="list-style-type: none"> <li>Follow site preparation and reseeding instruction.</li> </ul>	<ul style="list-style-type: none"> <li>Follow weed control activities as set out in the approved PUP.</li> <li>Prepare site for initial reseeding of grass species in the fall of 2011; followed by supplementary reseeding of forb and shrub species in the spring of 2012.</li> </ul>
4. Protect reseeded areas	<ul style="list-style-type: none"> <li>Install protective fence around reseeded pad, apron and access route areas</li> </ul>	<ul style="list-style-type: none"> <li>Complete installation preferably prior to fall 2011 reseeding actions or no later than spring of 2012.</li> </ul>
5. Initiate monitoring of reclamation actions	<ul style="list-style-type: none"> <li>Establish monitoring sites and record initial data</li> </ul>	<ul style="list-style-type: none"> <li>Establish photo points at the conclusion of fall reseeding activities</li> <li>Record initial data in June/July 2010, or during the period of maximum vegetative growth.</li> </ul>

**g. Final Reclamation**

Final reclamation sets "...the course for eventual ecosystem restoration..., this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. BLM and USFS 2007). Final reclamation actions will be completed on the entire well pad, apron, access route and pipeline corridor areas of the above cited Weaver Ridge 13-9H well pad. Final reclamation would be completed following final plugging and abandonment actions of the final well located on the well pad site.

Final reclamation of the Weaver Ridge 13-9H well site will follow the following steps:

- Spread all topsoil and vegetation from all portions of the pad site not previously reshaped to blend with the surrounding contour.
- Recontour such areas back to the original contour, or at least on a contour that blends with the surrounding landform. Any remaining excavations and pits will be backfilled when they are dry and free of waste and graded to conform to the surrounding terrain as set out above for interim reclamation.

- Redistribute the topsoil, outlined above for interim reclamation.
- Revegetate the site, as outlined above for interim reclamation.
- Water control structures will be installed temporarily to prevent erosion until the site is successfully stabilized.

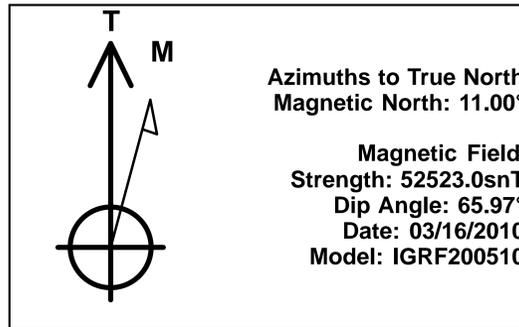
The access route, if determined by the BLM to be no longer needed, will be reclaimed as follows:

- Recontour the road back to the original contour.
- Final reseeding, including control of noxious weeds would be as outlined above for interim reclamation.
- Reapply topsoil material, as needed, as outlined above for interim reclamation.
- Construct waterbars and/or placing surface water control structure to prevent erosion until the site is successfully stabilized.
- Install barricades and signs, as needed, to prevent unwanted vehicle traffic while the route is revegetated. Remove such barricades and signs when the route is successfully reclaimed.

Unless directed otherwise by the BLM, buried pipelines will remain in place. Reclamation of the pipeline corridor would be as outlined above for the access route.

Monitoring and follow-up actions associated with final reclamation will involve continuation of the established monitoring protocol for interim reclamation.

# Robert L. Bayless, Producer LLC



Project: Rio Blanco County  
Site: Weaver Ridge  
Well: 13-9 H  
Wellbore: OH  
Plan: Plan #1 (13-9 H/OH)

PROJECT DETAILS: Rio Blanco County  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone  
System Datum: Mean Sea Level  
Local North: No north reference data is available

**CONFIDENTIAL- TIGHT HOLE!!!**

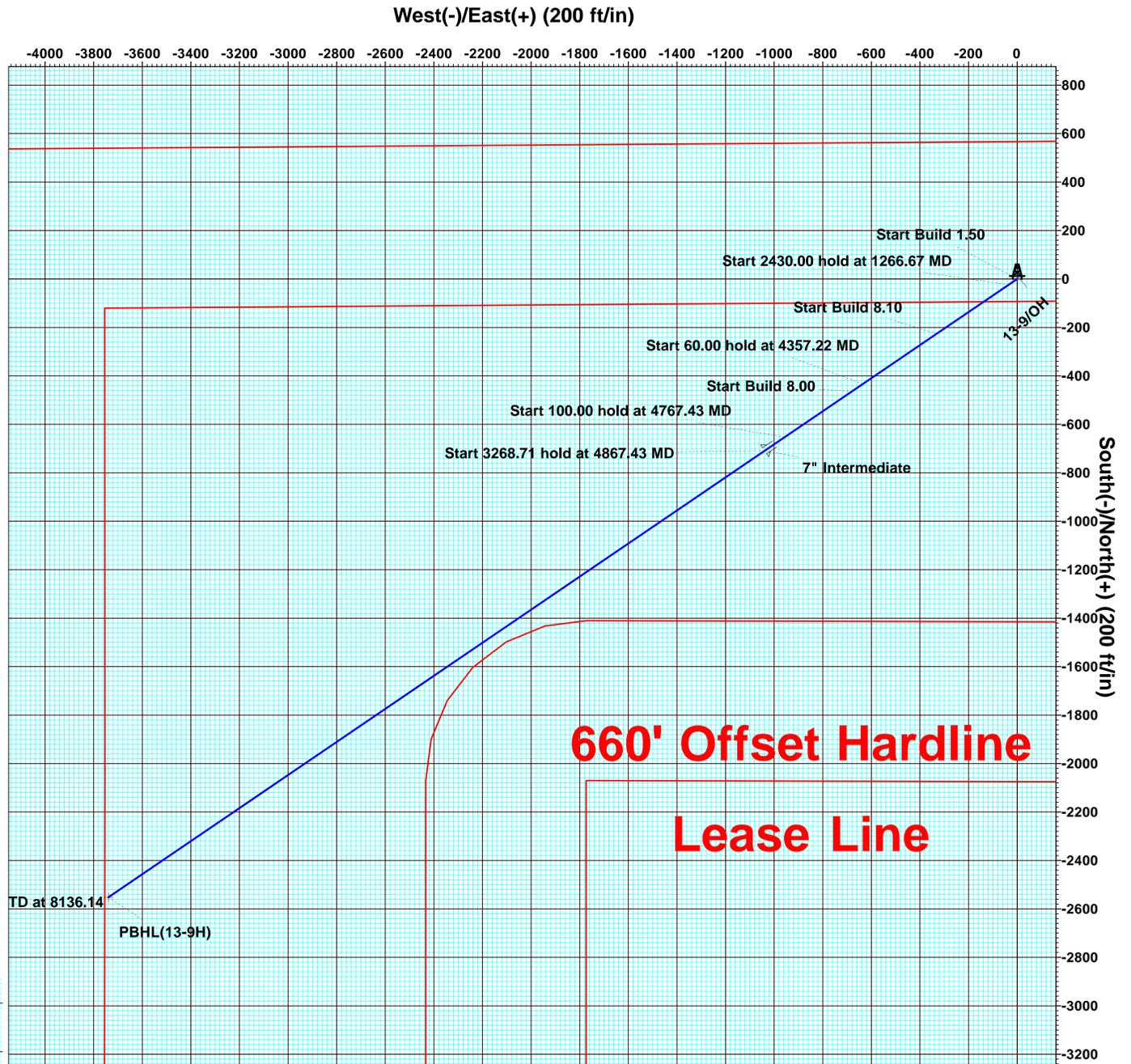
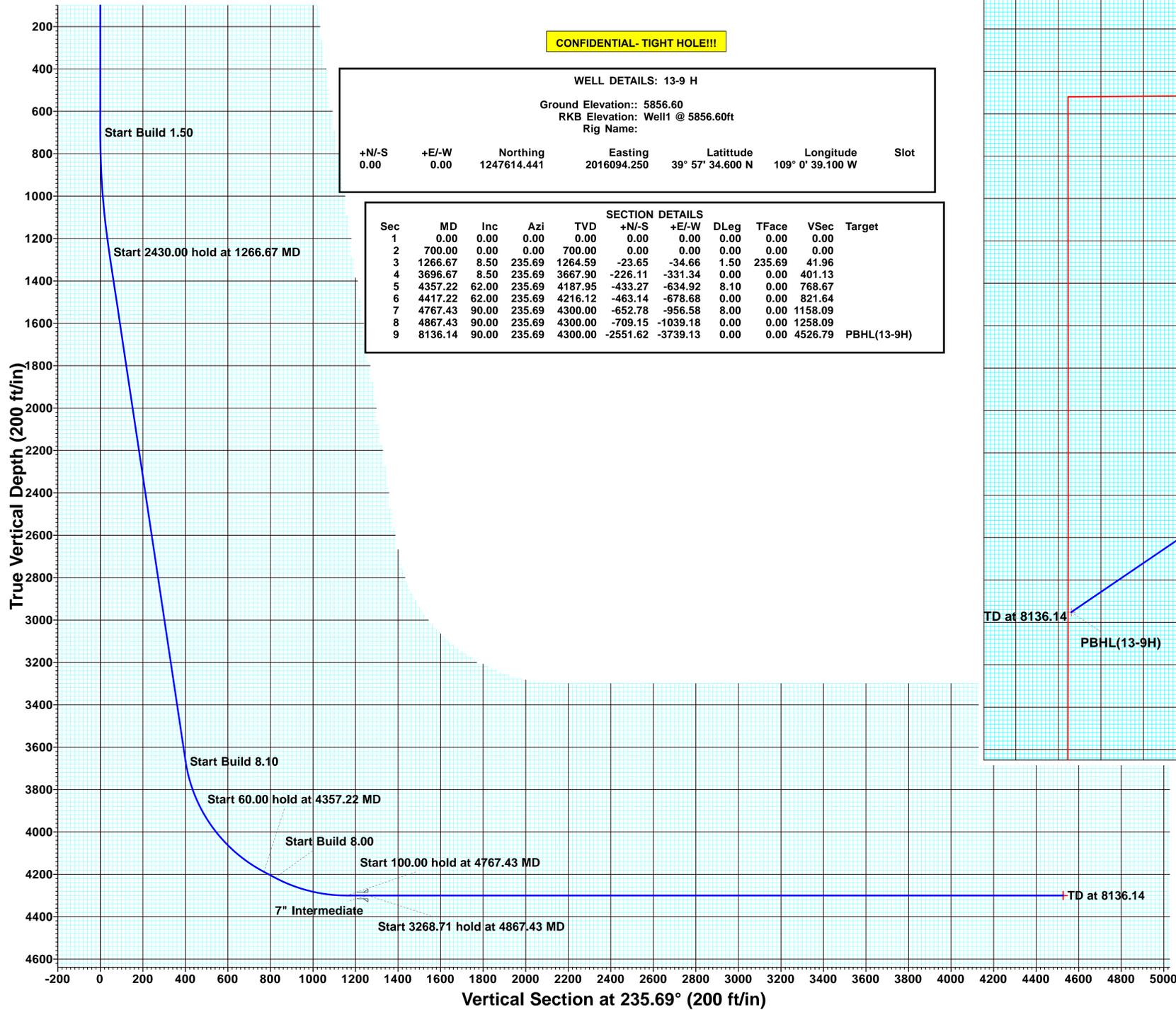
**WELL DETAILS: 13-9 H**

Ground Elevation: 5856.60  
RKB Elevation: Well1 @ 5856.60ft  
Rig Name:

+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1247614.441	2016094.250	39° 57' 34.600 N	109° 0' 39.100 W	

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	
3	1266.67	8.50	235.69	1264.59	-23.65	-34.66	1.50	235.69	41.96	
4	3696.67	8.50	235.69	3667.90	-226.11	-331.34	0.00	0.00	401.13	
5	4357.22	62.00	235.69	4187.95	-433.27	-634.92	8.10	0.00	768.67	
6	4417.22	62.00	235.69	4216.12	-463.14	-678.68	0.00	0.00	821.64	
7	4767.43	90.00	235.69	4300.00	-652.78	-956.58	8.00	0.00	1158.09	
8	4867.43	90.00	235.69	4300.00	-709.15	-1039.18	0.00	0.00	1258.09	
9	8136.14	90.00	235.69	4300.00	-2551.62	-3739.13	0.00	0.00	4526.79	PBHL(13-9H)



# Robert L. Bayless, Producer LLC

Rio Blanco County  
Weaver Ridge  
13-9 H  
OH

**CONFIDENTIAL - TIGHT HOLE!!**

Plan: Plan #1

## Pathfinder X & Y Planning Report

24 June, 2010



**Pathfinder**  
Pathfinder X & Y Planning Report



<b>Company:</b> Robert L. Bayless, Producer LLC	<b>Local Co-ordinate Reference:</b> Well 13-9 H
<b>Project:</b> Rio Blanco County	<b>TVD Reference:</b> Well1 @ 5856.60ft
<b>Site:</b> Weaver Ridge	<b>MD Reference:</b> Well1 @ 5856.60ft
<b>Well:</b> 13-9 H	<b>North Reference:</b> True
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Plan #1	<b>Database:</b> Midland Database

<b>Project</b>	Rio Blanco County
<b>Map System:</b>	US State Plane 1983
<b>Geo Datum:</b>	North American Datum 1983
<b>Map Zone:</b>	Colorado Northern Zone
<b>System Datum:</b>	Mean Sea Level

<b>Site</b>	Weaver Ridge
<b>Site Position:</b>	
<b>From:</b> Lat/Long	
<b>Position Uncertainty:</b> 0.00 ft	
<b>Northing:</b>	1,247,664.167 ft
<b>Easting:</b>	2,016,301.324 ft
<b>Slot Radius:</b>	"
<b>Latitude:</b>	39° 57' 35.172 N
<b>Longitude:</b>	109° 0' 36.468 W
<b>Grid Convergence:</b>	-2.27 °

<b>Well</b>	13-9 H
<b>Well Position</b>	
+N/-S	0.00 ft
+E/-W	0.00 ft
<b>Position Uncertainty</b>	0.00 ft
<b>Northing:</b>	1,247,614.441 ft
<b>Easting:</b>	2,016,094.250 ft
<b>Wellhead Elevation:</b>	ft
<b>Latitude:</b>	39° 57' 34.600 N
<b>Longitude:</b>	109° 0' 39.100 W
<b>Ground Level:</b>	5,856.60 ft

<b>Wellbore</b>	OH
<b>Magnetics</b>	
Model Name	IGRF200510
Sample Date	03/16/2010
Declination (°)	11.00
Dip Angle (°)	65.97
Field Strength (nT)	52,523

<b>Design</b>	Plan #1
<b>Audit Notes:</b>	
<b>Version:</b>	Phase: PLAN Tie On Depth: 0.00
<b>Vertical Section:</b>	
Depth From (TVD) (ft)	+N/-S (ft) +E/-W (ft) Direction (°)
0.00	0.00 0.00 235.69

<b>Survey Tool Program</b>	Date 06/24/2010			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	8,135.82	Plan #1 (OH)	MWD	MWD - Standard

**Pathfinder**  
Pathfinder X & Y Planning Report



<b>Company:</b> Robert L. Bayless, Producer LLC	<b>Local Co-ordinate Reference:</b> Well 13-9 H
<b>Project:</b> Rio Blanco County	<b>TVD Reference:</b> Well1 @ 5856.60ft
<b>Site:</b> Weaver Ridge	<b>MD Reference:</b> Well1 @ 5856.60ft
<b>Well:</b> 13-9 H	<b>North Reference:</b> True
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Plan #1	<b>Database:</b> Midland Database

**Planned Survey**

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-5,856.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
100.00	0.00	0.00	100.00	-5,756.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
200.00	0.00	0.00	200.00	-5,656.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
300.00	0.00	0.00	300.00	-5,556.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
400.00	0.00	0.00	400.00	-5,456.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
500.00	0.00	0.00	500.00	-5,356.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
600.00	0.00	0.00	600.00	-5,256.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
700.00	0.00	0.00	700.00	-5,156.60	0.00	0.00	0.00	0.00	1,247,614.44	2,016,094.25
<b>Start Build 1.50</b>										
800.00	1.50	235.69	799.99	-5,056.61	-0.74	-1.08	1.31	1.50	1,247,613.75	2,016,093.14
900.00	3.00	235.69	899.91	-4,956.69	-2.95	-4.32	5.23	1.50	1,247,611.66	2,016,089.81
911.02	3.17	235.69	910.91	-4,945.69	-3.28	-4.81	5.83	1.50	1,247,611.35	2,016,089.31
<b>Wasatch</b>										
1,000.00	4.50	235.69	999.69	-4,856.91	-6.64	-9.73	11.77	1.50	1,247,608.19	2,016,084.27
1,100.00	6.00	235.69	1,099.27	-4,757.33	-11.79	-17.28	20.92	1.50	1,247,603.34	2,016,076.51
1,200.00	7.50	235.69	1,198.57	-4,658.03	-18.42	-26.99	32.68	1.50	1,247,597.10	2,016,066.55
1,266.67	8.50	235.69	1,264.59	-4,592.01	-23.65	-34.66	41.96	1.50	1,247,592.18	2,016,058.68
<b>Start 2430.00 hold at 1266.67 MD</b>										
1,300.00	8.50	235.69	1,297.56	-4,559.04	-26.43	-38.73	46.88	0.00	1,247,589.57	2,016,054.51
1,371.08	8.50	235.69	1,367.86	-4,488.74	-32.35	-47.40	57.39	0.00	1,247,583.99	2,016,045.60
<b>Mesaverde</b>										
1,400.00	8.50	235.69	1,396.46	-4,460.14	-34.76	-50.93	61.66	0.00	1,247,581.73	2,016,041.98
1,500.00	8.50	235.69	1,495.36	-4,361.24	-43.09	-63.14	76.45	0.00	1,247,573.88	2,016,029.45
1,600.00	8.50	235.69	1,594.26	-4,262.34	-51.42	-75.35	91.23	0.00	1,247,566.04	2,016,016.92
1,700.00	8.50	235.69	1,693.16	-4,163.44	-59.75	-87.56	106.01	0.00	1,247,558.20	2,016,004.39
1,800.00	8.50	235.69	1,792.07	-4,064.53	-68.08	-99.77	120.79	0.00	1,247,550.36	2,015,991.86
1,900.00	8.50	235.69	1,890.97	-3,965.63	-76.42	-111.98	135.57	0.00	1,247,542.52	2,015,979.33
2,000.00	8.50	235.69	1,989.87	-3,866.73	-84.75	-124.19	150.35	0.00	1,247,534.68	2,015,966.80

**Pathfinder**  
Pathfinder X & Y Planning Report



<b>Company:</b>	Robert L. Bayless, Producer LLC	<b>Local Co-ordinate Reference:</b>	Well 13-9 H
<b>Project:</b>	Rio Blanco County	<b>TVD Reference:</b>	Well1 @ 5856.60ft
<b>Site:</b>	Weaver Ridge	<b>MD Reference:</b>	Well1 @ 5856.60ft
<b>Well:</b>	13-9 H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	Midland Database

<b>Planned Survey</b>											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,100.00	8.50	235.69	2,088.77	-3,767.83	-93.08	-136.40	165.13	0.00	1,247,526.83	2,015,954.27	
2,200.00	8.50	235.69	2,187.67	-3,668.93	-101.41	-148.61	179.91	0.00	1,247,518.99	2,015,941.74	
2,300.00	8.50	235.69	2,286.57	-3,570.03	-109.74	-160.82	194.69	0.00	1,247,511.15	2,015,929.22	
2,400.00	8.50	235.69	2,385.48	-3,471.12	-118.07	-173.03	209.47	0.00	1,247,503.31	2,015,916.69	
2,500.00	8.50	235.69	2,484.38	-3,372.22	-126.41	-185.23	224.25	0.00	1,247,495.47	2,015,904.16	
2,538.69	8.50	235.69	2,522.64	-3,333.96	-129.63	-189.96	229.97	0.00	1,247,492.43	2,015,899.31	
<b>Upper Seg</b>											
2,600.00	8.50	235.69	2,583.28	-3,273.32	-134.74	-197.44	239.04	0.00	1,247,487.62	2,015,891.63	
2,700.00	8.50	235.69	2,682.18	-3,174.42	-143.07	-209.65	253.82	0.00	1,247,479.78	2,015,879.10	
2,741.90	8.50	235.69	2,723.62	-3,132.98	-146.56	-214.77	260.01	0.00	1,247,476.50	2,015,873.85	
<b>Lower Seg</b>											
2,800.00	8.50	235.69	2,781.08	-3,075.52	-151.40	-221.86	268.60	0.00	1,247,471.94	2,015,866.57	
2,800.54	8.50	235.69	2,781.62	-3,074.98	-151.45	-221.93	268.68	0.00	1,247,471.90	2,015,866.50	
<b>Buck Tongue</b>											
2,900.00	8.50	235.69	2,879.98	-2,976.62	-159.73	-234.07	283.38	0.00	1,247,464.10	2,015,854.04	
3,000.00	8.50	235.69	2,978.88	-2,877.72	-168.06	-246.28	298.16	0.00	1,247,456.26	2,015,841.51	
3,043.17	8.50	235.69	3,021.58	-2,835.02	-171.66	-251.55	304.54	0.00	1,247,452.87	2,015,836.10	
<b>Castlegate</b>											
3,100.00	8.50	235.69	3,077.79	-2,778.81	-176.40	-258.49	312.94	0.00	1,247,448.42	2,015,828.98	
3,200.00	8.50	235.69	3,176.69	-2,679.91	-184.73	-270.70	327.72	0.00	1,247,440.57	2,015,816.45	
3,201.86	8.50	235.69	3,178.53	-2,678.07	-184.88	-270.93	328.00	0.00	1,247,440.43	2,015,816.22	
<b>Mancos</b>											
3,300.00	8.50	235.69	3,275.59	-2,581.01	-193.06	-282.91	342.50	0.00	1,247,432.73	2,015,803.92	
3,400.00	8.50	235.69	3,374.49	-2,482.11	-201.39	-295.12	357.28	0.00	1,247,424.89	2,015,791.39	
3,500.00	8.50	235.69	3,473.39	-2,383.21	-209.72	-307.32	372.06	0.00	1,247,417.05	2,015,778.86	
3,600.00	8.50	235.69	3,572.29	-2,284.31	-218.05	-319.53	386.84	0.00	1,247,409.21	2,015,766.34	
3,696.67	8.50	235.69	3,667.90	-2,188.70	-226.11	-331.34	401.13	0.00	1,247,401.63	2,015,754.22	
<b>Start Build 8.10</b>											

**Pathfinder**  
Pathfinder X & Y Planning Report



<b>Company:</b> Robert L. Bayless, Producer LLC	<b>Local Co-ordinate Reference:</b> Well 13-9 H
<b>Project:</b> Rio Blanco County	<b>TVD Reference:</b> Well1 @ 5856.60ft
<b>Site:</b> Weaver Ridge	<b>MD Reference:</b> Well1 @ 5856.60ft
<b>Well:</b> 13-9 H	<b>North Reference:</b> True
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Plan #1	<b>Database:</b> Midland Database

**Planned Survey**

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
3,700.00	8.77	235.69	3,671.19	-2,185.41	-226.39	-331.75	401.63	8.10	1,247,401.36	2,015,753.80
3,750.00	12.82	235.69	3,720.30	-2,136.30	-231.67	-339.48	411.00	8.10	1,247,396.39	2,015,745.86
3,800.00	16.87	235.69	3,768.62	-2,087.98	-238.89	-350.06	423.80	8.10	1,247,389.60	2,015,735.01
3,850.00	20.92	235.69	3,815.92	-2,040.68	-248.01	-363.43	439.99	8.10	1,247,381.01	2,015,721.28
3,900.00	24.97	235.69	3,861.95	-1,994.65	-258.99	-379.53	459.48	8.10	1,247,370.67	2,015,704.77
3,950.00	29.02	235.69	3,906.50	-1,950.10	-271.78	-398.27	482.17	8.10	1,247,358.63	2,015,685.53
4,000.00	33.07	235.69	3,949.33	-1,907.27	-286.31	-419.56	507.95	8.10	1,247,344.96	2,015,663.68
4,038.89	36.22	235.69	3,981.32	-1,875.28	-298.78	-437.82	530.05	8.10	1,247,333.23	2,015,644.94
<b>Mancos A</b>										
4,050.00	37.12	235.69	3,990.23	-1,866.37	-302.51	-443.30	536.69	8.10	1,247,329.71	2,015,639.32
4,100.00	41.17	235.69	4,029.00	-1,827.60	-320.30	-469.37	568.24	8.10	1,247,312.97	2,015,612.57
4,150.00	45.22	235.69	4,065.44	-1,791.16	-339.59	-497.63	602.46	8.10	1,247,294.82	2,015,583.57
4,200.00	49.27	235.69	4,099.38	-1,757.22	-360.28	-527.95	639.16	8.10	1,247,275.34	2,015,552.46
4,250.00	53.32	235.69	4,130.64	-1,725.96	-382.26	-560.17	678.17	8.10	1,247,254.65	2,015,519.39
4,300.00	57.37	235.69	4,159.07	-1,697.53	-405.44	-594.13	719.29	8.10	1,247,232.83	2,015,484.53
4,339.19	60.54	235.69	4,179.28	-1,677.32	-424.36	-621.86	752.86	8.10	1,247,215.03	2,015,456.08
<b>Mancos B</b>										
4,350.00	61.42	235.69	4,184.53	-1,672.07	-429.69	-629.67	762.31	8.10	1,247,210.01	2,015,448.06
4,357.22	62.00	235.69	4,187.95	-1,668.65	-433.27	-634.92	768.67	8.10	1,247,206.64	2,015,442.68
<b>Start 60.00 hold at 4357.22 MD</b>										
4,400.00	62.00	235.69	4,208.03	-1,648.57	-454.57	-666.12	806.44	0.00	1,247,186.60	2,015,410.66
4,417.22	62.00	235.69	4,216.12	-1,640.48	-463.14	-678.68	821.64	0.00	1,247,178.53	2,015,397.77
<b>Start Build 8.00</b>										
4,450.00	64.62	235.69	4,230.84	-1,625.76	-479.64	-702.87	850.93	8.00	1,247,162.99	2,015,372.95
4,500.00	68.62	235.69	4,250.68	-1,605.92	-505.51	-740.77	896.82	8.00	1,247,138.65	2,015,334.05
4,550.00	72.62	235.69	4,267.27	-1,589.33	-532.09	-779.72	943.97	8.00	1,247,113.63	2,015,294.08
4,600.00	76.61	235.69	4,280.53	-1,576.07	-559.26	-819.53	992.17	8.00	1,247,088.06	2,015,253.22
4,650.00	80.61	235.69	4,290.40	-1,566.20	-586.88	-860.01	1,041.18	8.00	1,247,062.06	2,015,211.68

**Pathfinder**  
Pathfinder X & Y Planning Report



<b>Company:</b>	Robert L. Bayless, Producer LLC	<b>Local Co-ordinate Reference:</b>	Well 13-9 H
<b>Project:</b>	Rio Blanco County	<b>TVD Reference:</b>	Well1 @ 5856.60ft
<b>Site:</b>	Weaver Ridge	<b>MD Reference:</b>	Well1 @ 5856.60ft
<b>Well:</b>	13-9 H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	Midland Database

**Planned Survey**

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
4,700.00	84.61	235.69	4,296.83	-1,559.77	-614.82	-900.96	1,090.75	8.00	1,247,035.76	2,015,169.66
4,750.00	88.61	235.69	4,299.79	-1,556.81	-642.95	-942.18	1,140.65	8.00	1,247,009.29	2,015,127.36
4,767.43	90.00	235.69	4,300.00	-1,556.60	-652.78	-956.58	1,158.09	8.00	1,247,000.04	2,015,112.58
<b>EOC-4767.43'MD,90.00°INC,235.69°AZI,4300.00'TVD,8.00°DLS, 1158.08°VS, -652.78°N, -956.58°E</b>										
4,800.00	90.00	235.69	4,300.00	-1,556.60	-671.14	-983.48	1,190.65	0.00	1,246,982.76	2,015,084.98
4,867.43	90.00	235.69	4,300.00	-1,556.60	-709.15	-1,039.18	1,258.09	0.00	1,246,946.98	2,015,027.81
<b>Start 3268.71 hold at 4867.43 MD</b>										
4,900.00	90.00	235.69	4,300.00	-1,556.60	-727.50	-1,066.08	1,290.65	0.00	1,246,929.71	2,015,000.21
5,000.00	90.00	235.69	4,300.00	-1,556.60	-783.87	-1,148.68	1,390.65	0.00	1,246,876.65	2,014,915.44
5,100.00	90.00	235.69	4,300.00	-1,556.60	-840.24	-1,231.28	1,490.65	0.00	1,246,823.60	2,014,830.68
5,200.00	90.00	235.69	4,300.00	-1,556.60	-896.60	-1,313.88	1,590.65	0.00	1,246,770.55	2,014,745.91
5,300.00	90.00	235.69	4,300.00	-1,556.60	-952.97	-1,396.48	1,690.65	0.00	1,246,717.49	2,014,661.14
5,400.00	90.00	235.69	4,300.00	-1,556.60	-1,009.34	-1,479.08	1,790.65	0.00	1,246,664.44	2,014,576.38
5,500.00	90.00	235.69	4,300.00	-1,556.60	-1,065.70	-1,561.68	1,890.65	0.00	1,246,611.39	2,014,491.61
5,600.00	90.00	235.69	4,300.00	-1,556.60	-1,122.07	-1,644.28	1,990.65	0.00	1,246,558.33	2,014,406.85
5,700.00	90.00	235.69	4,300.00	-1,556.60	-1,178.44	-1,726.88	2,090.65	0.00	1,246,505.28	2,014,322.08
5,800.00	90.00	235.69	4,300.00	-1,556.60	-1,234.81	-1,809.48	2,190.65	0.00	1,246,452.23	2,014,237.31
5,900.00	90.00	235.69	4,300.00	-1,556.60	-1,291.17	-1,892.08	2,290.65	0.00	1,246,399.17	2,014,152.55
6,000.00	90.00	235.69	4,300.00	-1,556.60	-1,347.54	-1,974.68	2,390.65	0.00	1,246,346.12	2,014,067.78
6,100.00	90.00	235.69	4,300.00	-1,556.60	-1,403.91	-2,057.28	2,490.65	0.00	1,246,293.07	2,013,983.01
6,200.00	90.00	235.69	4,300.00	-1,556.60	-1,460.27	-2,139.88	2,590.65	0.00	1,246,240.01	2,013,898.25
6,300.00	90.00	235.69	4,300.00	-1,556.60	-1,516.64	-2,222.48	2,690.65	0.00	1,246,186.96	2,013,813.48
6,400.00	90.00	235.69	4,300.00	-1,556.60	-1,573.01	-2,305.08	2,790.65	0.00	1,246,133.91	2,013,728.71
6,500.00	90.00	235.69	4,300.00	-1,556.60	-1,629.37	-2,387.68	2,890.65	0.00	1,246,080.85	2,013,643.95
6,600.00	90.00	235.69	4,300.00	-1,556.60	-1,685.74	-2,470.28	2,990.65	0.00	1,246,027.80	2,013,559.18
6,700.00	90.00	235.69	4,300.00	-1,556.60	-1,742.11	-2,552.88	3,090.65	0.00	1,245,974.75	2,013,474.41
6,800.00	90.00	235.69	4,300.00	-1,556.60	-1,798.48	-2,635.48	3,190.65	0.00	1,245,921.69	2,013,389.65

**Pathfinder**  
Pathfinder X & Y Planning Report



<b>Company:</b> Robert L. Bayless, Producer LLC	<b>Local Co-ordinate Reference:</b> Well 13-9 H
<b>Project:</b> Rio Blanco County	<b>TVD Reference:</b> Well1 @ 5856.60ft
<b>Site:</b> Weaver Ridge	<b>MD Reference:</b> Well1 @ 5856.60ft
<b>Well:</b> 13-9 H	<b>North Reference:</b> True
<b>Wellbore:</b> OH	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Plan #1	<b>Database:</b> Midland Database

**Planned Survey**

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
6,900.00	90.00	235.69	4,300.00	-1,556.60	-1,854.84	-2,718.08	3,290.65	0.00	1,245,868.64	2,013,304.88
7,000.00	90.00	235.69	4,300.00	-1,556.60	-1,911.21	-2,800.68	3,390.65	0.00	1,245,815.59	2,013,220.12
7,100.00	90.00	235.69	4,300.00	-1,556.60	-1,967.58	-2,883.28	3,490.65	0.00	1,245,762.53	2,013,135.35
7,200.00	90.00	235.69	4,300.00	-1,556.60	-2,023.94	-2,965.88	3,590.65	0.00	1,245,709.48	2,013,050.58
7,300.00	90.00	235.69	4,300.00	-1,556.60	-2,080.31	-3,048.48	3,690.65	0.00	1,245,656.43	2,012,965.82
7,400.00	90.00	235.69	4,300.00	-1,556.60	-2,136.68	-3,131.08	3,790.65	0.00	1,245,603.37	2,012,881.05
7,500.00	90.00	235.69	4,300.00	-1,556.60	-2,193.05	-3,213.68	3,890.65	0.00	1,245,550.32	2,012,796.28
7,600.00	90.00	235.69	4,300.00	-1,556.60	-2,249.41	-3,296.28	3,990.65	0.00	1,245,497.27	2,012,711.52
7,700.00	90.00	235.69	4,300.00	-1,556.60	-2,305.78	-3,378.88	4,090.65	0.00	1,245,444.21	2,012,626.75
7,800.00	90.00	235.69	4,300.00	-1,556.60	-2,362.15	-3,461.48	4,190.65	0.00	1,245,391.16	2,012,541.98
7,900.00	90.00	235.69	4,300.00	-1,556.60	-2,418.51	-3,544.08	4,290.65	0.00	1,245,338.11	2,012,457.22
8,000.00	90.00	235.69	4,300.00	-1,556.60	-2,474.88	-3,626.68	4,390.65	0.00	1,245,285.05	2,012,372.45
8,100.00	90.00	235.69	4,300.00	-1,556.60	-2,531.25	-3,709.28	4,490.65	0.00	1,245,232.00	2,012,287.69
8,136.14	90.00	235.69	4,300.00	-1,556.60	-2,551.62	-3,739.13	4,526.79	0.00	1,245,212.83	2,012,257.05

**TD at 8136.14 - PBHL(13-9H)**

**Targets**

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(13-9H) - plan hits target center - Point	0.00	0.00	4,300.00	-2,551.85	-3,738.97	1,245,212.590	2,012,257.198	39° 57' 9.378 N	109° 1' 27.113 W

**Casing Points**

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
4,867.43	4,300.00	7" Intermediate	7	8-3/4

<b>Company:</b>	Robert L. Bayless, Producer LLC	<b>Local Co-ordinate Reference:</b>	Well 13-9 H
<b>Project:</b>	Rio Blanco County	<b>TVD Reference:</b>	Well1 @ 5856.60ft
<b>Site:</b>	Weaver Ridge	<b>MD Reference:</b>	Well1 @ 5856.60ft
<b>Well:</b>	13-9 H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	Midland Database

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,043.17	3,021.58	Castlegate		0.00		
1,371.08	1,367.86	Mesaverde		0.00		
911.02	910.91	Wasatch		0.00		
4,339.19	4,179.28	Mancos B		0.00		
4,038.89	3,981.32	Mancos A		0.00		
2,741.90	2,723.62	Lower Segó		0.00		
3,201.86	3,178.53	Mancos		0.00		
2,800.54	2,781.62	Buck Tongue		0.00		
2,538.69	2,522.64	Upper Segó		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
700.00	700.00	0.00	0.00	Start Build 1.50	
1,266.67	1,264.59	-23.65	-34.66	Start 2430.00 hold at 1266.67 MD	
3,696.67	3,667.90	-226.11	-331.34	Start Build 8.10	
4,357.22	4,187.95	-433.27	-634.92	Start 60.00 hold at 4357.22 MD	
4,417.22	4,216.12	-463.14	-678.68	Start Build 8.00	
4,767.43	4,300.00	-652.78	-956.58	EOC-4767.43'MD,90.00°INC,235.69°AZI,4300.00'TVD,8.00°DLS, 1158	
4,867.43	4,300.00	-709.15	-1,039.18	Start 3268.71 hold at 4867.43 MD	
8,136.14	4,300.00	-2,551.62	-3,739.13	TD at 8136.14	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

# **Robert L. Bayless, Producer LLC**

## **EXHIBITS LIST**

(Attachment to Form 3160-3)

### **Weaver Ridge # 13-9H**

SHL: 2075' FSL & 879' FEL (NESE) Section 13, T1S R104W  
BHL: 550' FNL & 660' FWL (NWNW) Section 24, T1S R104W  
Rio Blanco County, Colorado  
Federal Lease: COC-058704

- EXHIBIT 1. Well Location Plat
- EXHIBIT 1B. Well Pad Interference Plat
- EXHIBIT 1C. Location Topo Map and Directions
- EXHIBIT 2. Surface Casing and Centralizer Design
- EXHIBIT 3. BOP and Choke Manifold diagram
- EXHIBIT 3A. Proposed Wellbore Diagram
- SHEET 1A-1C. Location Pictures
- EXHIBIT 4. Location Topo Map
- EXHIBIT 4A. Mineral Lease Map
- EXHIBIT 4B. One Mile Radius Map
- EXHIBIT 5. Pit and Pad Layout
- EXHIBIT 5A. Cut Sheet and Cross Section Diagram
- EXHIBIT 5B. Proposed (anticipated) Production Facilities Layout
- EXHIBIT 6. Typical Rig Layout
- EXHIBIT 7. BMP – Reclamation and Rehabilitation Plan
- EXHIBIT 8. Directional Drilling plan