

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING				FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>		
<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> HORSE BENCH FEDERAL 5-27D-12-16		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> UNDESIGNATED		
<b>4. TYPE OF WELL</b> Gas Well Coalbed Methane Well: NO				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>		
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP				<b>7. OPERATOR PHONE</b> 303 312-8164		
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202				<b>9. OPERATOR E-MAIL</b> dspencer@billbarrettcorp.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU79178		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
<b>LOCATION AT SURFACE</b>	1267 FNL 1761 FEL	NWNE	27	12.0 S	16.0 E	S
<b>Top of Uppermost Producing Zone</b>	2025 FNL 830 FWL	SWNW	27	12.0 S	16.0 E	S
<b>At Total Depth</b>	2049 FNL 704 FWL	SWNW	27	12.0 S	16.0 E	S
<b>21. COUNTY</b> CARBON		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 494		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1323		<b>26. PROPOSED DEPTH</b> MD: 8500 TVD: 7600		
<b>27. ELEVATION - GROUND LEVEL</b> 6672		<b>28. BOND NUMBER</b> WYB00040		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Nine Mile Creek		
<b>ATTACHMENTS</b>						
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
<b>NAME</b> Tracey Fallang		<b>TITLE</b> Regulatory Manager		<b>PHONE</b> 303 312-8134		
<b>SIGNATURE</b>		<b>DATE</b> 11/03/2010		<b>EMAIL</b> tfallang@billbarrettcorp.com		
<b>API NUMBER ASSIGNED</b> 43007500930000		<b>APPROVAL</b>  Permit Manager				

<b>Proposed Hole, Casing, and Cement</b>						
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Cond	26	16	0	40		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Unknown	40	65.0			

<b>Proposed Hole, Casing, and Cement</b>						
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	4.5	0	8000		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade N-80 LT&C	8500	11.6			

<b>Proposed Hole, Casing, and Cement</b>						
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	9.625	0	1000		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	1000	36.0			

## DRILLING PROGRAM

### BILL BARRETT CORPORATION

#### Horse Bench Federal 5-27D-12-16

NWNE, 1267 FNL, 1761 FEL, Sec. 27, T12S-R16E (surface hole)

SWNW, 2049 FNL, 704 FWL, Sec. 27, T12S-R16E (bottom hole)

Carbon County, Utah

1 – 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Green River	Surface	Surface
Wasatch	3459'	2860'
North Horn	5909'*	4920'*
Dark Canyon	7339'*	6350'*
Price River	7669'*	6680'*
TD	8500'*	7600'*

**PROSPECTIVE PAY:** \*Members of the Mesaverde formation and Wasatch formation (inclusive of the North Horn) are primary objectives for oil/gas. Any shallow water zones encountered will be adequately protected and reported. All potentially productive hydrocarbon zones will be cemented off.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1000'	No pressure control required
1000' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

4. **Casing Program**

Hole Size	Setting Depth		Casing Size	Casing Weight	Casing Grade	Thread	Condition
	From	To					
26"	Surface	40'	16"	65#			
12 1/4"	Surface	1000'	9 5/8"	36#	Jor K 55	ST&C	New
8 3/4" and 7 7/8"	Surface	8500'	5 1/2" 4 1/2"	17.0# 11.6#	I-100 N -80	LT&C LT&C	New New

Note: BBC will use one of the options of production casing size noted above. In addition, the 7 7/8" hole size will begin at the point the bit is changed.

5. **Cementing Program**

16" Conductor Casing	Grout cement
9 5/8" Surface Casing	<p><i>Lead</i> with approximately 170 sx Varicem cement + additives mixed at 12.0 ppg (yield = 2.53 ft<sup>3</sup>/sx).</p> <p><i>Tail</i> with approximately and 190 sx Halcem cement with additives mixed at 15.8 ppg (yield = 1.16 ft<sup>3</sup>/sx) circulated to surface with 100% excess.</p>
5 1/2" Production Casing  OR  4 1/2" Production Casing	<p><i>Lead</i> with approximately 320 sx (4 1/2" csg) or 260 sx (5 1/2" csg) of Halliburton Light Premium cement with additives mixed at 12.5 ppg (yield = 1.96 ft<sup>3</sup>/sx).</p> <p><i>Tail</i> with approximately 1470 sx (4 1/2" csg) or 1210 sx (5 1/2" csg) of 50/50 Poz cement + additives mixed at 13.4 ppg (yield = 1.45 ft<sup>3</sup>/sk), circulated to ~800' with 15% excess.</p>
Note: Actual volumes to be calculated from caliper log.	

6. **Mud Program**

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0 - 40'	8.3 - 8.6	27 - 40	--	Native Spud Mud
40' - 1000'	8.3 - 8.6	27 - 40	15 cc or less	Native/Gel/Lime
1000' - TD	8.6 - 9.5	38 - 46	15 cc or less	LSND/DAP

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce tork and drag.

7. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips. slope only;
Logging	DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

8. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3754 psi\* and maximum anticipated surface pressure equals approximately 2082 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A - (0.22 x TD)

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9. **Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. **Drilling Schedule**

Location Construction: August 1, 2012  
Spud: August 15, 2012  
Duration: 8 days drilling time  
30 days completion time

## Other -Onshore Variances Requested

### Use of EFM and Flow Conditioner (Onshore Order No. 5)

Use of an electronic flow meter (EFM) for gas measurement purposes is requested with this application.

Use of a flow conditioner is also being requested (versus straightening vanes). Flow conditioners have been proven to be as or more effective than straightening vanes in conditioning gas for measurement. In addition to their superior conditioning properties, they take up less space (shorter meter runs/smaller footprint), and are less prone to corrosion and dislodging (greater reliability). In the past BBC has experienced straightening vanes becoming dislodged in normal service and compromising their conditioning effectiveness.

Make/Model: CPA 50E

Dimensions: 2" or 3" Flanged conditioners - 16" minimum up to 3 1/2' long x 2" (ID 2.067) OR 24" minimum up to 3 1/2' long x 3" (ID 3.068)

### Air Drilling (Onshore Order No. 2)

Air drilling operations will be conducted with the purpose of drilling and setting surface casing with a truck mounted air rig, for all Federal wells located at this pad. Surface casing is approximately 1000'. Bill Barrett Corporation will comply with the following surface air drilling operation requirements:

1. Properly lubricated and maintained diverter system in place of a rotating head. The diverter system forces air and cutting returns to the cuttings pit and is used solely to drill the surface hole. In addition, BBC will use a properly lubricated and maintained rotating head in compliance with OOG No. 2.
2. The Blooie line will discharge at least 100 feet from the wellbore and will be securely anchored.
3. An automatic igniter or continuous pilot light will be installed at the end of the blooie line.
4. Compressors that supply energy to drill the air filled surface hole will be located 100' away from the wellbore and on the opposite side of the blooie line. The compressors will be equipped with 1) emergency kill switch, 2) pressure relief valves 3) spark arresters on the motors.

## **PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type:** Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes.
8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
9. Upper kelly cock valve with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Pressure gauge on choke manifold.
12. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 3,000 psi

**C. Testing Procedure:**

### Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### **D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

#### **E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The choke manifold will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.



# Bill Barrett Corporation

## NINE MILE CEMENT VOLUMES

**Well Name:** Horse Bench Federal 5-27D-12-16

**Surface Hole Data:**

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

**Calculated Data:**

Lead Volume:	203.6	ft <sup>3</sup>
Lead Fill:	650'	
Tail Volume:	109.6	ft <sup>3</sup>
Tail Fill:	350'	

**Cement Data:**

Lead Yield:	2.53	ft <sup>3</sup> /sk
Tail Yield:	1.16	ft <sup>3</sup> /sk
% Excess:	100%	

**Calculated # of Sacks:**

# SK's Lead:	170
# SK's Tail:	190

**Production Hole Data:**

Total Depth:	8,500'
Top of Cement:	800'
OD of Hole:	8.750"
<b>OD of Casing:</b>	<b>5.500"</b>

**Calculated Data:**

Lead Volume:	429.4	ft <sup>3</sup>
Lead Fill:	1,700'	
Tail Volume:	1515.6	ft <sup>3</sup>
Tail Fill:	6,000'	

**Cement Data:**

Lead Yield:	1.91	ft <sup>3</sup> /sk
Tail Yield:	1.45	ft <sup>3</sup> /sk
% Excess:	15%	

**Calculated # of Sacks:**

# SK's Lead:	260
# SK's Tail:	1210

### Horse Bench Federal 5-27D-12-16 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>	
<b>Lead Cement - (650' - 0')</b>		
Varicem <sup>TM</sup> Cement	Fluid Weight:	12 lbm/gal
0.25 lbm/sk Poly-E-Flake	Slurry Yield:	2.53 ft <sup>3</sup> /sk
	Total Mixing Fluid:	14.82 Gal/sk
	Top of Fluid:	0'
	Calculated Fill:	650'
	Volume:	36.25 bbl
	<b>Proposed Sacks:</b>	<b>170 sks</b>
<b>Tail Cement - (1000' - 650')</b>		
Halcem <sup>TM</sup> System	Fluid Weight:	15.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.16 ft <sup>3</sup> /sk
	Total Mixing Fluid:	4.98 Gal/sk
	Top of Fluid:	650'
	Calculated Fill:	350'
	Volume:	19.52 bbl
	<b>Proposed Sacks:</b>	<b>190 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>	
<b>Lead Cement - (800' - 2500')</b>		
Halliburton Light Premium	Fluid Weight:	12.5 lbm/gal
0.3% Versaset	Slurry Yield:	1.91 ft <sup>3</sup> /sk
0.3% Super CBL	Total Mixing Fluid:	10.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	800'
0.25% Fe-2	Calculated Fill:	1,700'
0.2% Econolite	Volume:	76.48 bbl
	<b>Proposed Sacks:</b>	<b>260 sks</b>
<b>Tail Cement - (2500' - 8500')</b>		
50/50 Poz Premium	Fluid Weight:	13.4 lbm/gal
3.0 % KCL	Slurry Yield:	1.45 ft <sup>3</sup> /sk
0.75% Halad®-322	Total Mixing Fluid:	6.82 Gal/sk
0.2% FWCA	Top of Fluid:	2,500'
0.3% Super CBL	Calculated Fill:	6,000'
0.125 lbm/sk Poly-E-Flake	Volume:	269.91 bbl
1.0 lbm/sk Granulite TR 1/4	<b>Proposed Sacks:</b>	<b>1210 sks</b>



# Bill Barrett Corporation

## NINE MILE CEMENT VOLUMES

**Well Name:** Horse Bench Federal 5-27D-12-16

**Surface Hole Data:**

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

**Calculated Data:**

Lead Volume:	203.6	ft <sup>3</sup>
Lead Fill:	650'	
Tail Volume:	109.6	ft <sup>3</sup>
Tail Fill:	350'	

**Cement Data:**

Lead Yield:	2.53	ft <sup>3</sup> /sk
Tail Yield:	1.16	ft <sup>3</sup> /sk
% Excess:	100%	

**Calculated # of Sacks:**

# SK's Lead:	170
# SK's Tail:	190

**Production Hole Data:**

Total Depth:	8,500'
Top of Cement:	800'
OD of Hole:	8.750"
<b>OD of Casing:</b>	<b>4.500"</b>

**Calculated Data:**

Lead Volume:	522.1	ft <sup>3</sup>
Lead Fill:	1,700'	
Tail Volume:	1842.8	ft <sup>3</sup>
Tail Fill:	6,000'	

**Cement Data:**

Lead Yield:	1.91	ft <sup>3</sup> /sk
Tail Yield:	1.45	ft <sup>3</sup> /sk
% Excess:	15%	

**Calculated # of Sacks:**

# SK's Lead:	320
# SK's Tail:	1470

### Horse Bench Federal 5-27D-12-16 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>	
<b>Lead Cement - (650' - 0')</b>		
Varicem <sup>TM</sup> Cement	Fluid Weight:	12 lbm/gal
0.25 lbm/sk Poly-E-Flake	Slurry Yield:	2.53 ft <sup>3</sup> /sk
	Total Mixing Fluid:	14.82 Gal/sk
	Top of Fluid:	0'
	Calculated Fill:	650'
	Volume:	36.25 bbl
	<b>Proposed Sacks:</b>	<b>170 sks</b>
<b>Tail Cement - (1000' - 650')</b>		
Halcem <sup>TM</sup> System	Fluid Weight:	15.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.16 ft <sup>3</sup> /sk
	Total Mixing Fluid:	4.98 Gal/sk
	Top of Fluid:	650'
	Calculated Fill:	350'
	Volume:	19.52 bbl
	<b>Proposed Sacks:</b>	<b>190 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>	
<b>Lead Cement - (800' - 2500')</b>		
Halliburton Light Premium	Fluid Weight:	12.5 lbm/gal
0.3% Versaset	Slurry Yield:	1.91 ft <sup>3</sup> /sk
0.3% Super CBL	Total Mixing Fluid:	10.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	800'
0.25% Fe-2	Calculated Fill:	1,700'
0.2% Econolite	Volume:	92.99 bbl
	<b>Proposed Sacks:</b>	<b>320 sks</b>
<b>Tail Cement - (2500' - 8500')</b>		
50/50 Poz Premium	Fluid Weight:	13.4 lbm/gal
3.0 % KCL	Slurry Yield:	1.45 ft <sup>3</sup> /sk
0.75% Halad®-322	Total Mixing Fluid:	6.82 Gal/sk
0.2% FWCA	Top of Fluid:	2,500'
0.3% Super CBL	Calculated Fill:	6,000'
0.125 lbm/sk Poly-E-Flake	Volume:	328.19 bbl
1.0 lbm/sk Granulite TR 1/4	<b>Proposed Sacks:</b>	<b>1470 sks</b>

**T12S, R16E, S.L.B.&M.**

**BILL BARRETT CORPORATION**

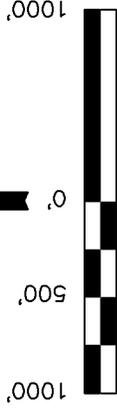
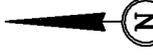
Well location, HORSE BENCH FEDERAL #5-27D-12-16, located as shown in the NW 1/4 NE 1/4 of Section 27, T12S, R16E, S.L.B.&M., Carbon County, Utah.

**BASIS OF ELEVATION**

COTTON TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.

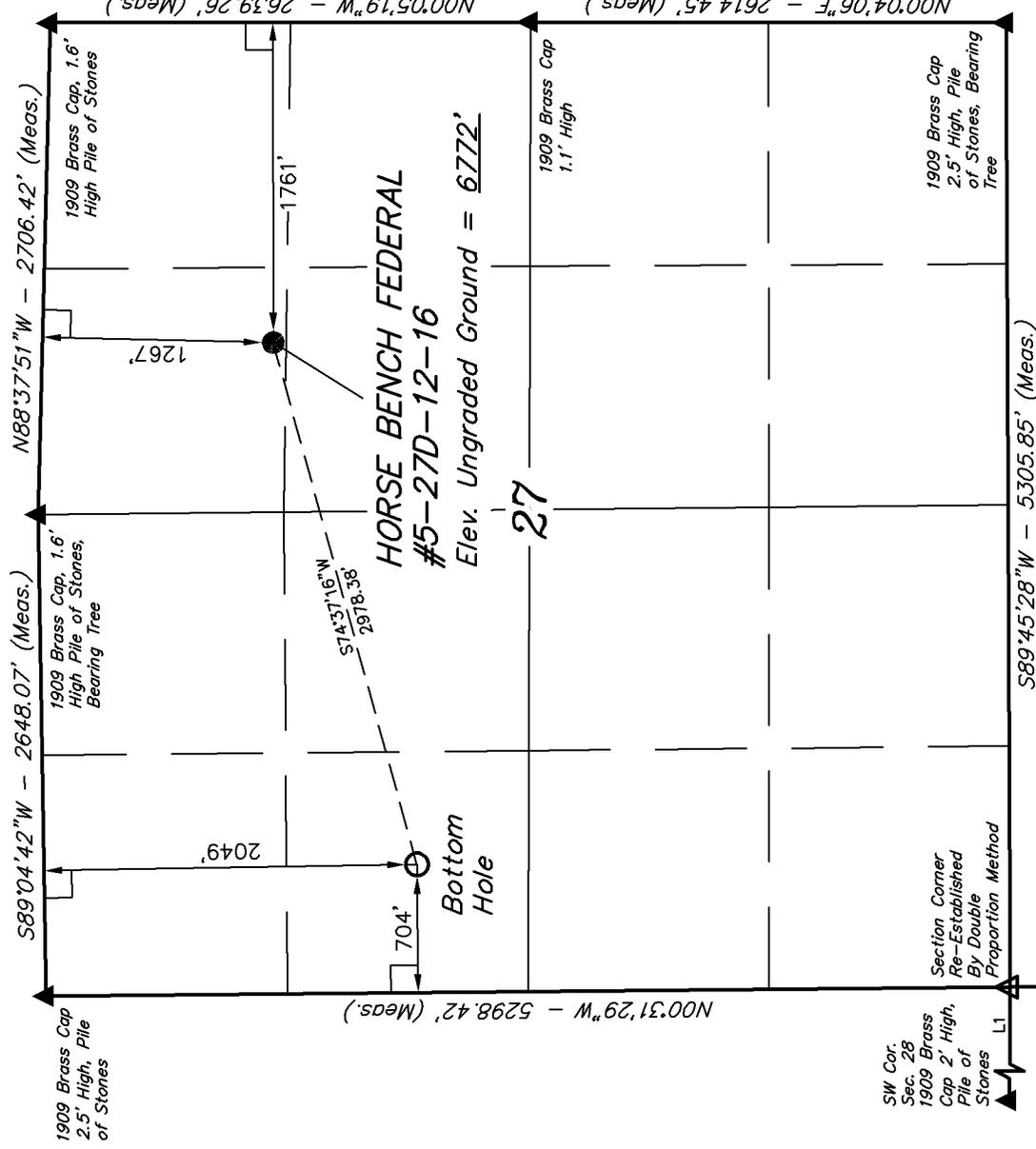
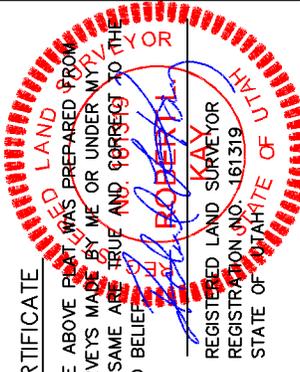
**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



S C A L E  
CERTIFICATE

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



LINE TABLE		
LINE	BEARING	LENGTH
L1	N89°32'50"W	5307.30'
L2	N00°02'13"W	5298.20'

NAD 83 (TARGET BOTTOM HOLE)		
LATITUDE	= 39°44'47.68"	(39.746578)
LONGITUDE	= 110°07'02.74"	(110.117428)
NAD 27 (TARGET BOTTOM HOLE)		
LATITUDE	= 39°44'47.81"	(39.746613)
LONGITUDE	= 110°07'00.19"	(110.116720)
STATE PLANE NAD 27	N: 517760.63	E: 2388928.45
STATE PLANE NAD 27	N: 518592.76	E: 2391786.88

**UNTAH ENGINEERING & LAND SURVEYING**  
**85 SOUTH 200 EAST - VERNAL, UTAH 84078**  
 (435) 789-1017

SCALE: 1" = 1000'  
 DATE SURVEYED: 09-10-10  
 DATE DRAWN: 09-20-10

PARTY: T.A. C.A. C.C.  
 REFERENCES: G.L.O. PLAT

WEATHER: WARM  
 FILE: BILL BARRETT CORPORATION

- LEGEND:**
- ◻ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
  - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

SW Cor. Sec. 28  
 1909 Brass Cap 2' High, Pile of Stones

Section Corner Re-Established By Double Proportion Method

SW Cor. Sec. 34  
 1983 Alum. Cap 1.2' High, Pile of Stones

N00°04'06"E - 2614.45' (Meas.)  
 N00°05'19"W - 2639.26' (Meas.)  
 N88°37'51"W - 2706.42' (Meas.)  
 N00°04'28"W - 5305.85' (Meas.)

1909 Brass Cap, 1.6' High Pile of Stones  
 1909 Brass Cap 1.1' High  
 1909 Brass Cap 2.5' High, Pile of Stones, Bearing Tree

HORSE BENCH FEDERAL #5-27D-12-16  
 Elev. Ungraded Ground = 6772'  
 27

Bottom Hole  
 704'  
 2049'  
 1267'  
 1761'  
 2978.38'  
 S74°37'16"W

# BILL BARRETT CORPORATION

HORSE BENCH NE 27 PAD

HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE: #3A-27D-12-16, #14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16, #5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16, #6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16, #8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16

LOCATED IN CARBON COUNTY, UTAH  
SECTION 27, T12S, R16E, S.L.B.&M.



PHOTO: VIEW OF LOCATION STAKES

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

<b>LOCATION PHOTOS</b>			<b>09</b>	<b>21</b>	<b>10</b>	<b>PHOTO</b>
			MONTH	DAY	YEAR	
TAKEN BY: D.R.	DRAWN BY: J.J.	REVISED: 00-00-00				

# BILL BARRETT CORPORATION

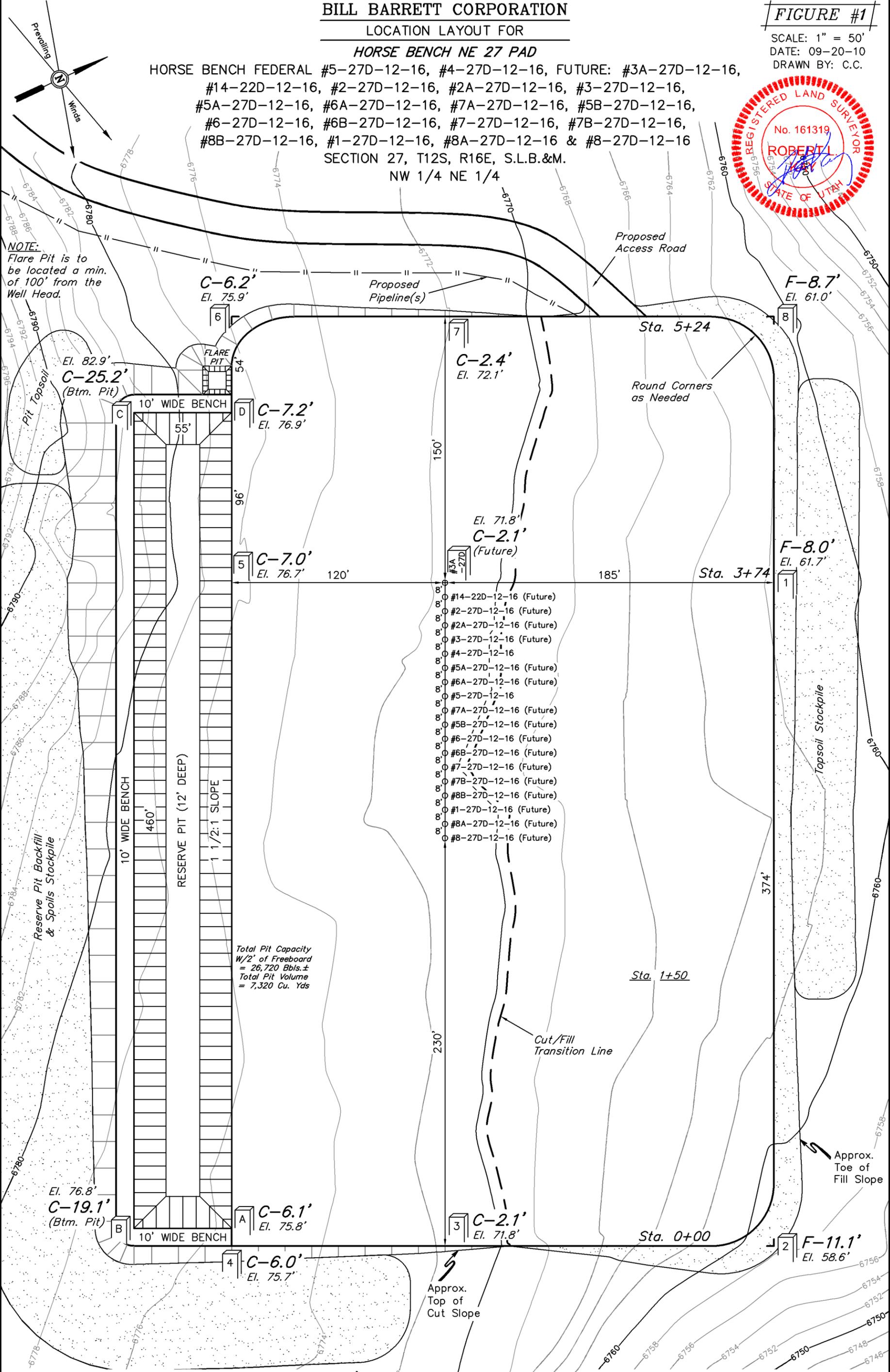
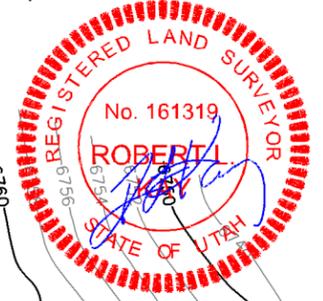
## LOCATION LAYOUT FOR

### HORSE BENCH NE 27 PAD

HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE: #3A-27D-12-16,  
 #14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,  
 #5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,  
 #6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,  
 #8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16  
 SECTION 27, T12S, R16E, S.L.B.&M.  
 NW 1/4 NE 1/4

FIGURE #1

SCALE: 1" = 50'  
 DATE: 09-20-10  
 DRAWN BY: C.C.



**NOTE:**  
 Flare Pit is to be located a min. of 100' from the Well Head.

Total Pit Capacity  
 W/2' of Freeboard  
 = 26,720 Bbbls.±  
 Total Pit Volume  
 = 7,320 Cu. Yds

Elev. Ungraded Ground At #3A-27D Loc. Stake = 6771.8'  
 FINISHED GRADE ELEV. AT #3A-27D LOC. STAKE = 6769.7'

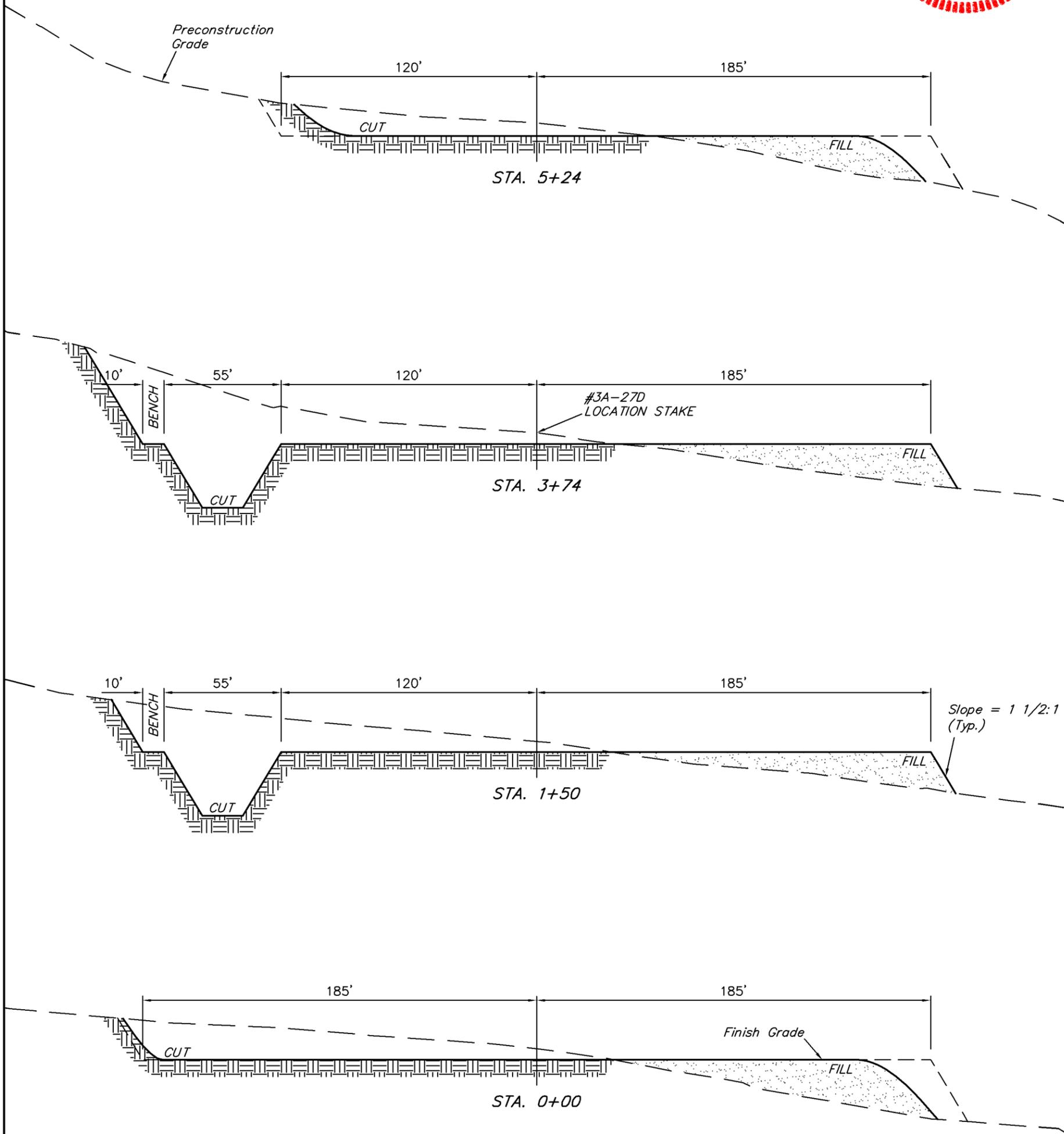
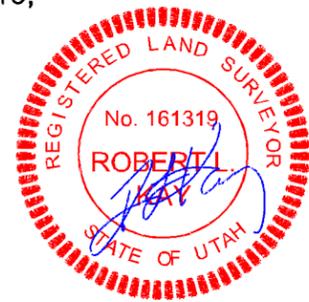
UINTAH ENGINEERING & LAND SURVEYING  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**BILL BARRETT CORPORATION**  
 TYPICAL CROSS SECTIONS FOR  
**HORSE BENCH NE 27 PAD**

**FIGURE #2**

X-Section Scale  
 1" = 20'  
 1" = 50'  
 DATE: 09-20-10  
 DRAWN BY: C.C.

HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE: #3A-27D-12-16,  
 #14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,  
 #5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,  
 #6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,  
 #8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16  
 SECTION 27, T12S, R16E, S.L.B.&M.  
 NW 1/4 NE 1/4



NOTE:  
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGE DISTURBANCES					
	PAD	CO-LOCATED ACCESS RD/PIPELINE	H2O PIPELINE	ACCESS ROAD	TOTAL
SHORT TERM	±5.648	±6.861	±1.316	±1.618	±15.443
LONG TERM	±1.164	±2.573	±0.066	±1.213	±5.016

\* NOTE:  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	=	4,080 Cu. Yds.
Remaining Location	=	27,040 Cu. Yds.
<b>TOTAL CUT</b>	=	<b>31,120 CU.YDS.</b>
<b>FILL</b>	=	<b>14,820 CU.YDS.</b>

EXCESS MATERIAL = 16,300 Cu. Yds.  
 Topsoil & Pit Backfill (1/2 Pit Vol.) = 7,740 Cu. Yds.  
 EXCESS UNBALANCE = 8,560 Cu. Yds.  
 (After Interim Rehabilitation)

**BILL BARRETT CORPORATION**

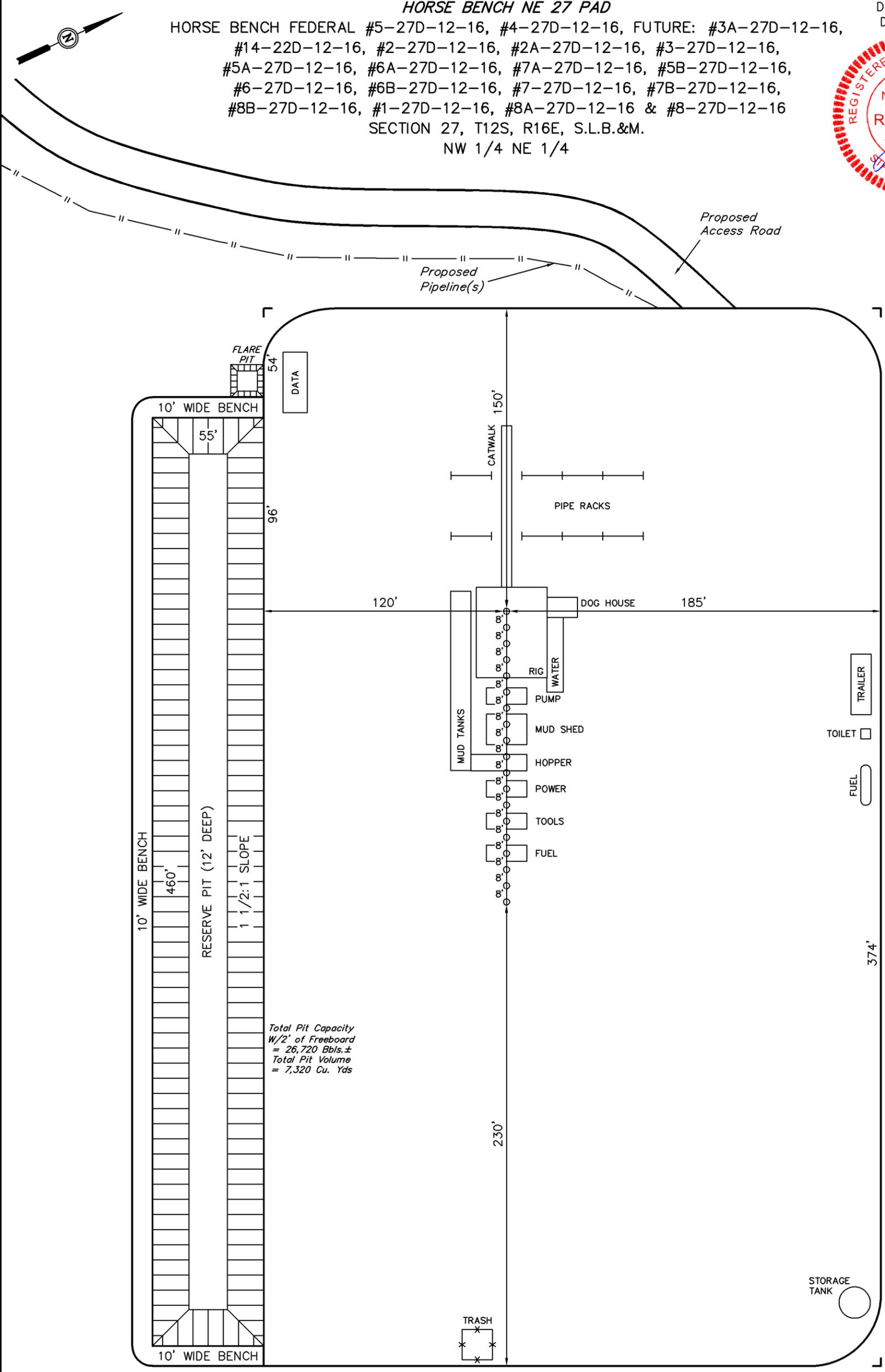
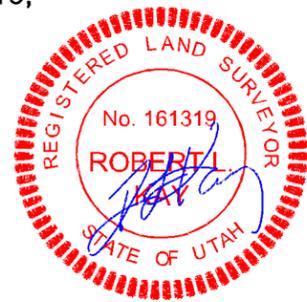
TYPICAL RIG LAYOUT FOR

**HORSE BENCH NE 27 PAD**

HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE: #3A-27D-12-16,  
#14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,  
#5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,  
#6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,  
#8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4

**FIGURE #3**

SCALE: 1" = 50'  
DATE: 09-20-10  
DRAWN BY: C.C.



Total Pit Capacity  
w/2' of Freeboard  
= 26,720 Bbls.±  
Total Pit Volume  
= 7,320 Cu. Yds

**BILL BARRETT CORPORATION**

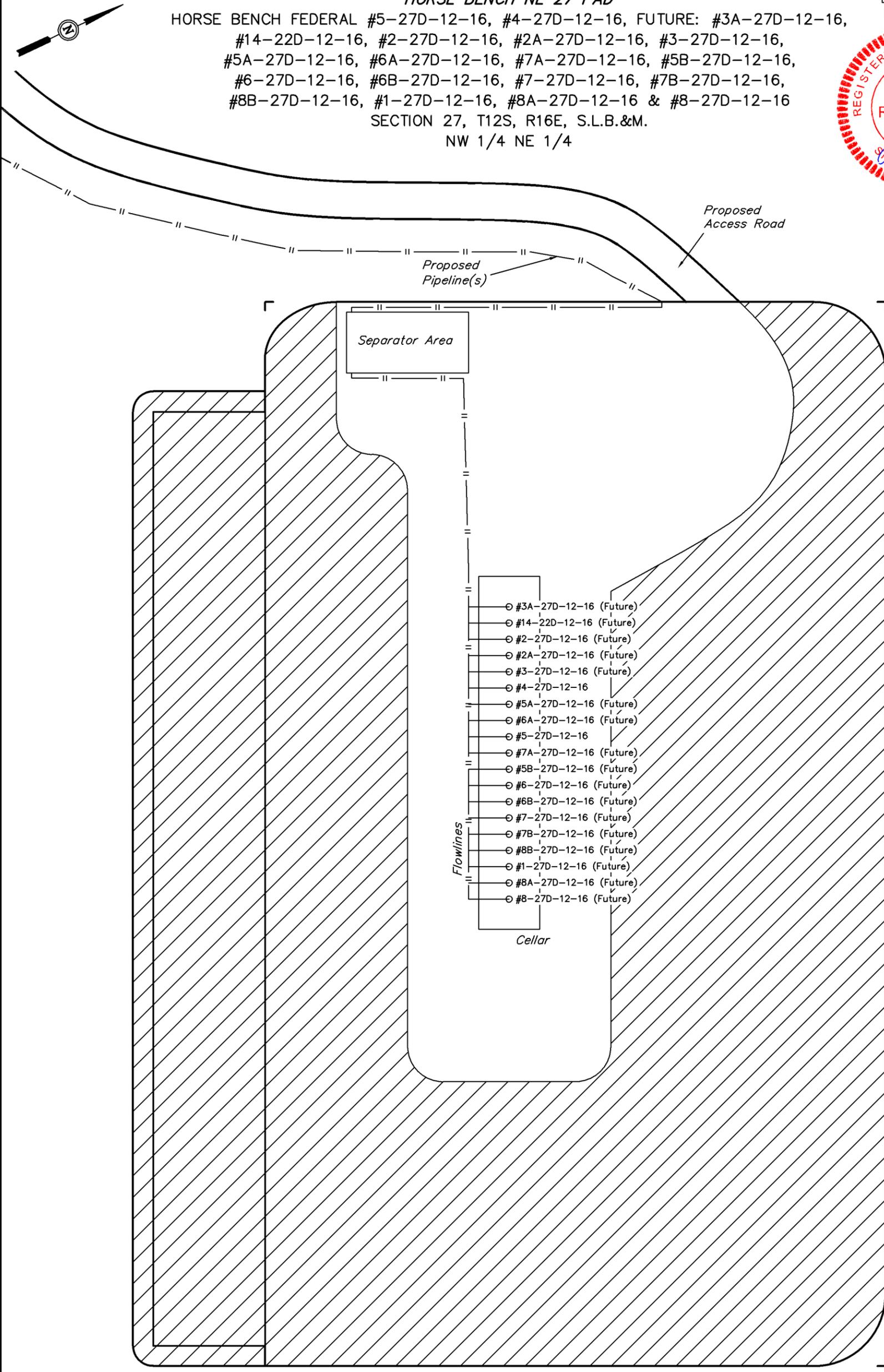
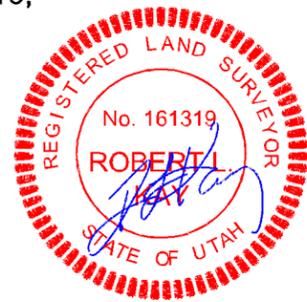
INTERIM RECLAMATION FOR

**HORSE BENCH NE 27 PAD**

HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE: #3A-27D-12-16,  
#14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,  
#5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,  
#6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,  
#8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4

**FIGURE #4**

SCALE: 1" = 50'  
DATE: 09-20-10  
DRAWN BY: C.C.



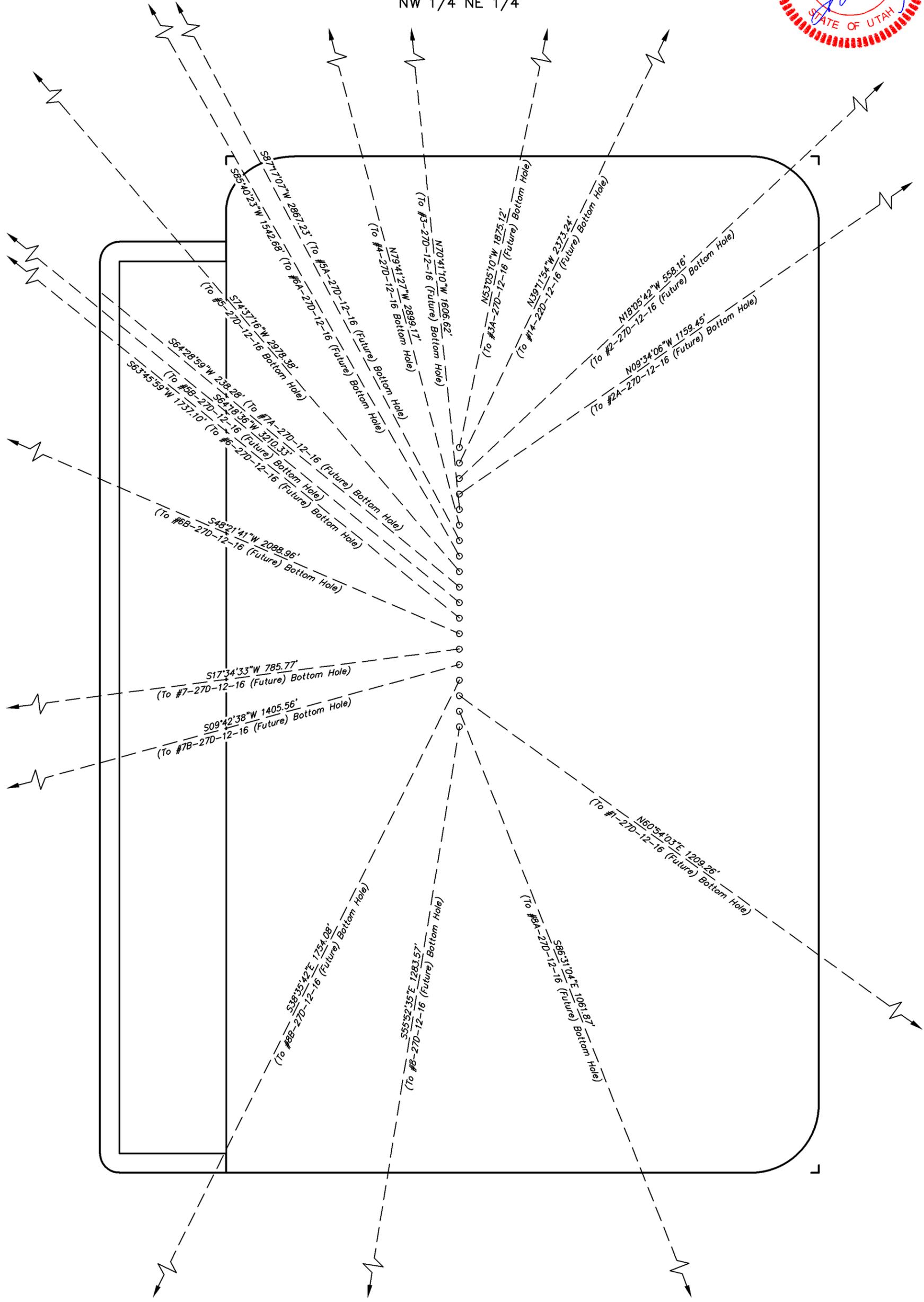
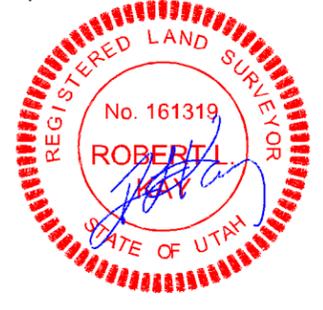
RE-HABBED AREA

**BILL BARRETT CORPORATION**  
INTERFERENCE DIAGRAM FOR  
**HORSE BENCH NE 27 PAD**

**FIGURE #4**

SCALE: 1" = 50'  
DATE: 09-20-10  
DRAWN BY: C.C.

HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE: #3A-27D-12-16,  
#14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,  
#5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,  
#6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,  
#8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4

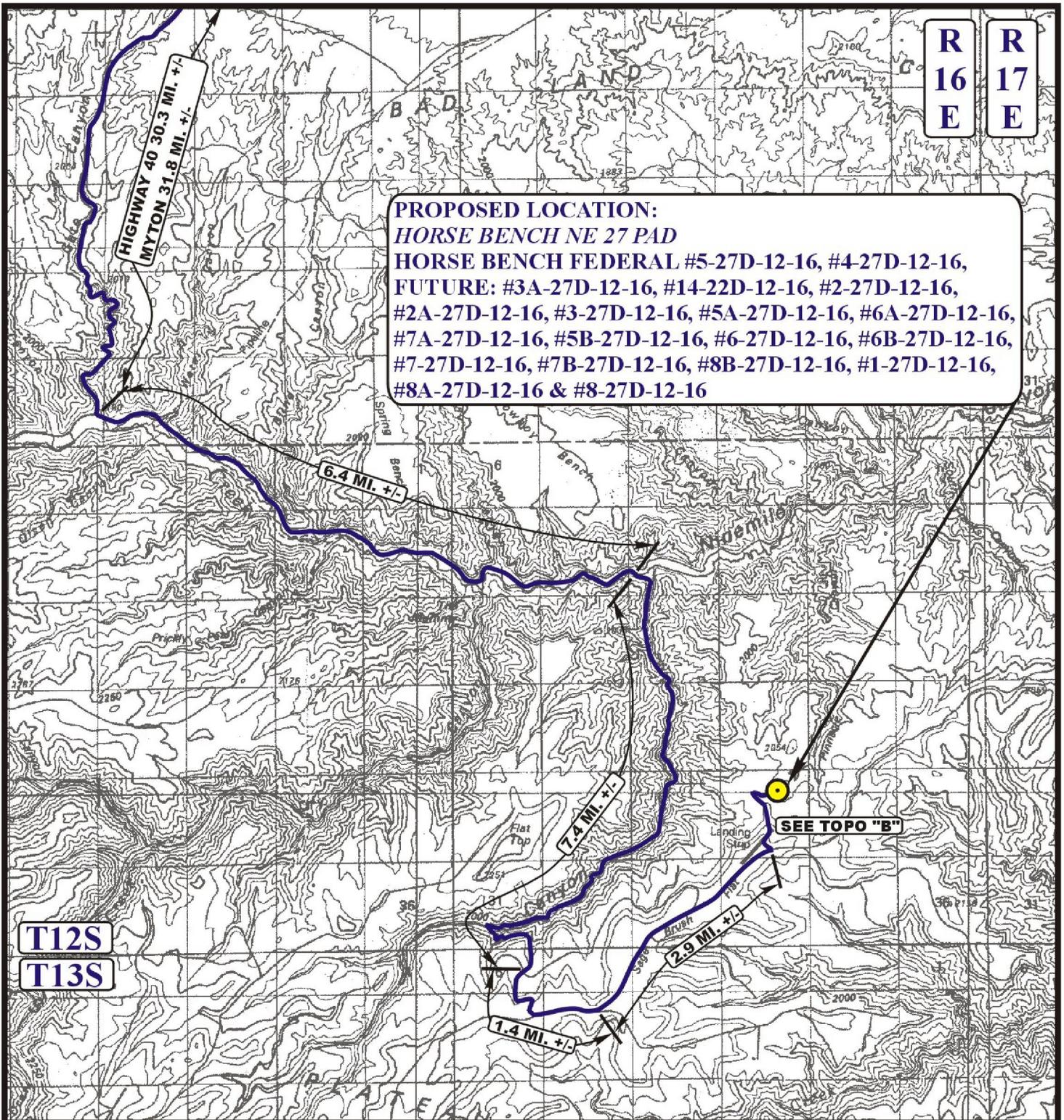


**BILL BARRETT CORPORATION**  
***HORSE BENCH NE 27 PAD***

HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE: #3A-27D-12-16, #14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16, #5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16, #6-27D-12-16, #6B-27D-12-16, #7-27-D-12-16, #7B-27D-12-16, #8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 28.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 6.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST: FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 1,620' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.0 MILES.



**PROPOSED LOCATION:**  
**HORSE BENCH NE 27 PAD**  
**HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16,**  
**FUTURE: #3A-27D-12-16, #14-22D-12-16, #2-27D-12-16,**  
**#2A-27D-12-16, #3-27D-12-16, #5A-27D-12-16, #6A-27D-12-16,**  
**#7A-27D-12-16, #5B-27D-12-16, #6-27D-12-16, #6B-27D-12-16,**  
**#7-27D-12-16, #7B-27D-12-16, #8B-27D-12-16, #1-27D-12-16,**  
**#8A-27D-12-16 & #8-27D-12-16**

**R  
16  
E**      **R  
17  
E**

**T12S**  
**T13S**

**SEE TOPO "B"**

**LEGEND:**

**PROPOSED LOCATION**

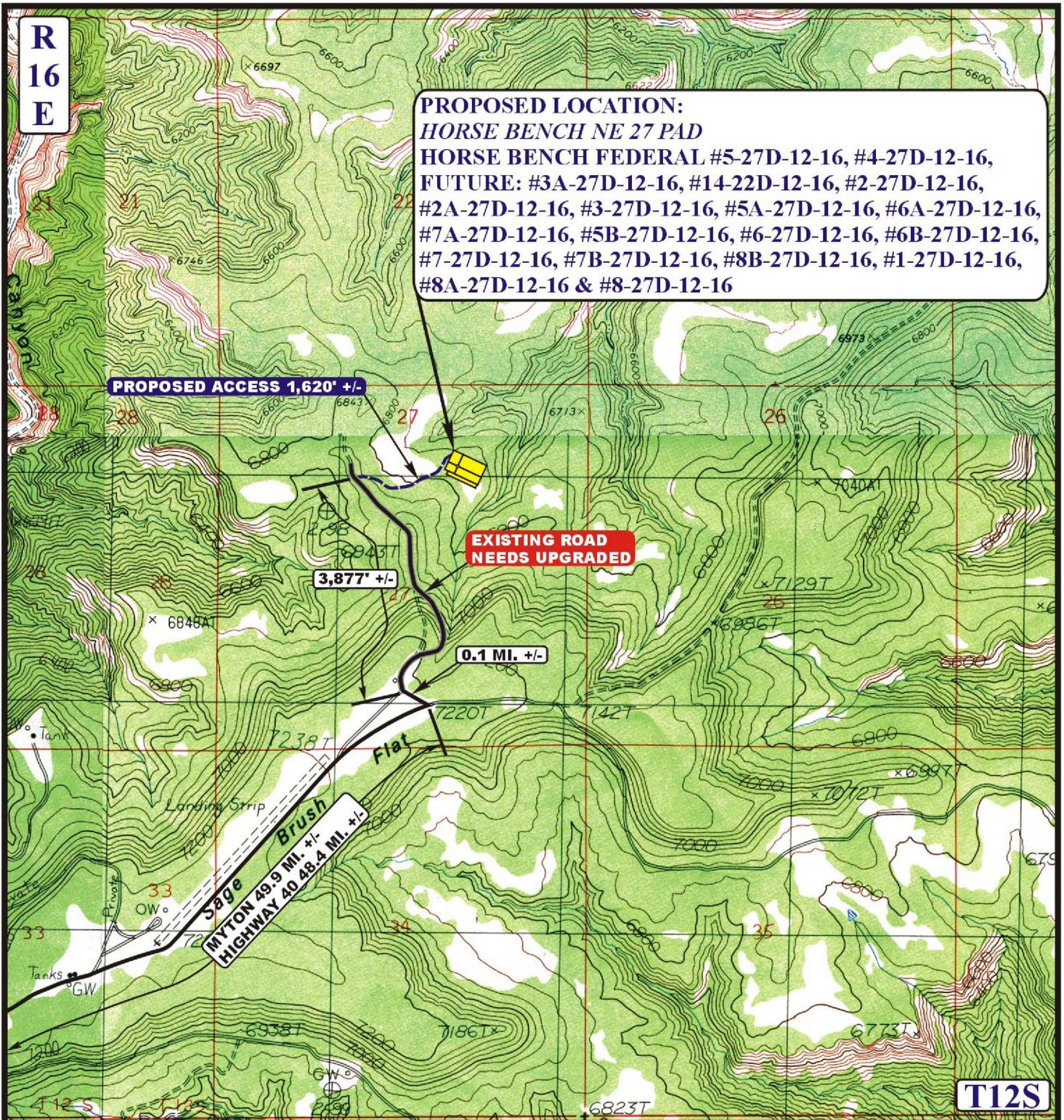


**BILL BARRETT CORPORATION**

**HORSE BENCH NE 27 PAD**  
**HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE:**  
**#3A-27D-12-16, #14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,**  
**#5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,**  
**#6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,**  
**#8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16**  
**SECTION 27, T12S, R16E, S.L.B.&M.**  
**NW 1/4 NE 1/4**

**U&L S** **Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** **09 21 10**  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: J.J. REVISED: 00-00-00 **A TOPO**



**PROPOSED LOCATION:**  
**HORSE BENCH NE 27 PAD**  
**HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16,**  
**FUTURE: #3A-27D-12-16, #14-22D-12-16, #2-27D-12-16,**  
**#2A-27D-12-16, #3-27D-12-16, #5A-27D-12-16, #6A-27D-12-16,**  
**#7A-27D-12-16, #5B-27D-12-16, #6-27D-12-16, #6B-27D-12-16,**  
**#7-27D-12-16, #7B-27D-12-16, #8B-27D-12-16, #1-27D-12-16,**  
**#8A-27D-12-16 & #8-27D-12-16**

**PROPOSED ACCESS 1,620' +/-**

**EXISTING ROAD NEEDS UPGRADED**

**3,877' +/-**

**0.1 MI. +/-**

**Sage Brush Flat**  
**MYTON 49.9 MI. +/-**  
**HIGHWAY 40 48.4 MI. +/-**

**T12S**

**BILL BARRETT CORPORATION**

**HORSE BENCH NE 27 PAD**  
**HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE:**  
**#3A-27D-12-16, #14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,**  
**#5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,**  
**#6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,**  
**#8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16**  
**SECTION 27, T12S, R16E, S.L.B.&M.**  
**NW 1/4 NE 1/4**

**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

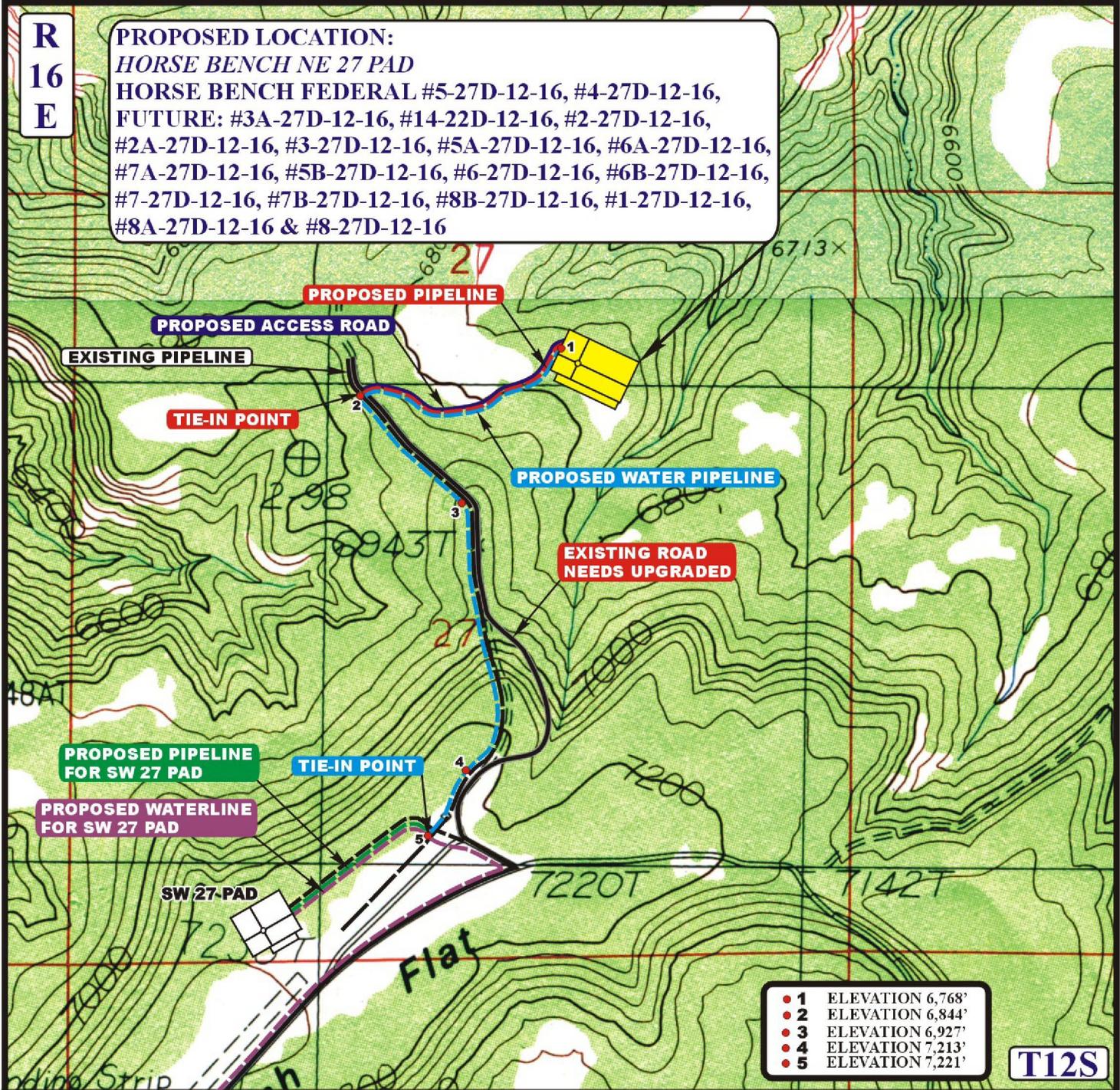
**U&L S** **Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



<b>ACCESS ROAD MAP</b>	<b>09 21 10</b> MONTH DAY YEAR	<b>B</b> TOPO
SCALE: 1" = 2000'	DRAWN BY: J.J.	REVISED: 00-00-00

**R**  
**16**  
**E**

**PROPOSED LOCATION:**  
**HORSE BENCH NE 27 PAD**  
 HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16,  
 FUTURE: #3A-27D-12-16, #14-22D-12-16, #2-27D-12-16,  
 #2A-27D-12-16, #3-27D-12-16, #5A-27D-12-16, #6A-27D-12-16,  
 #7A-27D-12-16, #5B-27D-12-16, #6-27D-12-16, #6B-27D-12-16,  
 #7-27D-12-16, #7B-27D-12-16, #8B-27D-12-16, #1-27D-12-16,  
 #8A-27D-12-16 & #8-27D-12-16



- 1 ELEVATION 6,768'
- 2 ELEVATION 6,844'
- 3 ELEVATION 6,927'
- 4 ELEVATION 7,213'
- 5 ELEVATION 7,221'

**T12S**

**APPROXIMATE TOTAL WATERLINE DISTANCE = 5,108' +/-**

**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,597' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED WATERLINE

**BILL BARRETT CORPORATION**

*HORSE BENCH NE 27 PAD*  
 HORSE BENCH FEDERAL #5-27D-12-16, #4-27D-12-16, FUTURE:  
 #3A-27D-12-16, #14-22D-12-16, #2-27D-12-16, #2A-27D-12-16, #3-27D-12-16,  
 #5A-27D-12-16, #6A-27D-12-16, #7A-27D-12-16, #5B-27D-12-16,  
 #6-27D-12-16, #6B-27D-12-16, #7-27D-12-16, #7B-27D-12-16,  
 #8B-27D-12-16, #1-27D-12-16, #8A-27D-12-16 & #8-27D-12-16  
 SECTION 27, T12S, R16E, S.L.B.&M.  
 NW 1/4 NE 1/4

**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 09 21 10  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00 **TOPO**

# **Bill Barrett Corp.**

Carbon County, UT [NAD27]  
Horse Bench NE 27 Pad  
Horse Bench Fed #5-27D-12-16

Wellbore #1

Plan: plan1 28oct10 rbw

## **Standard Planning Report**

28 October, 2010

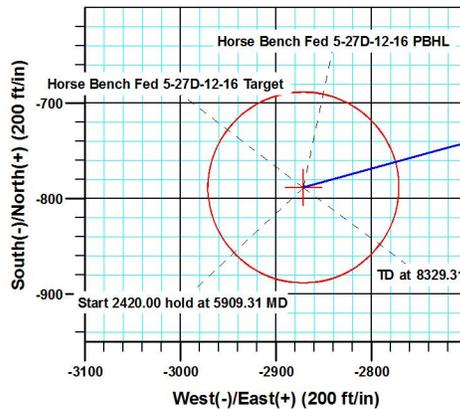
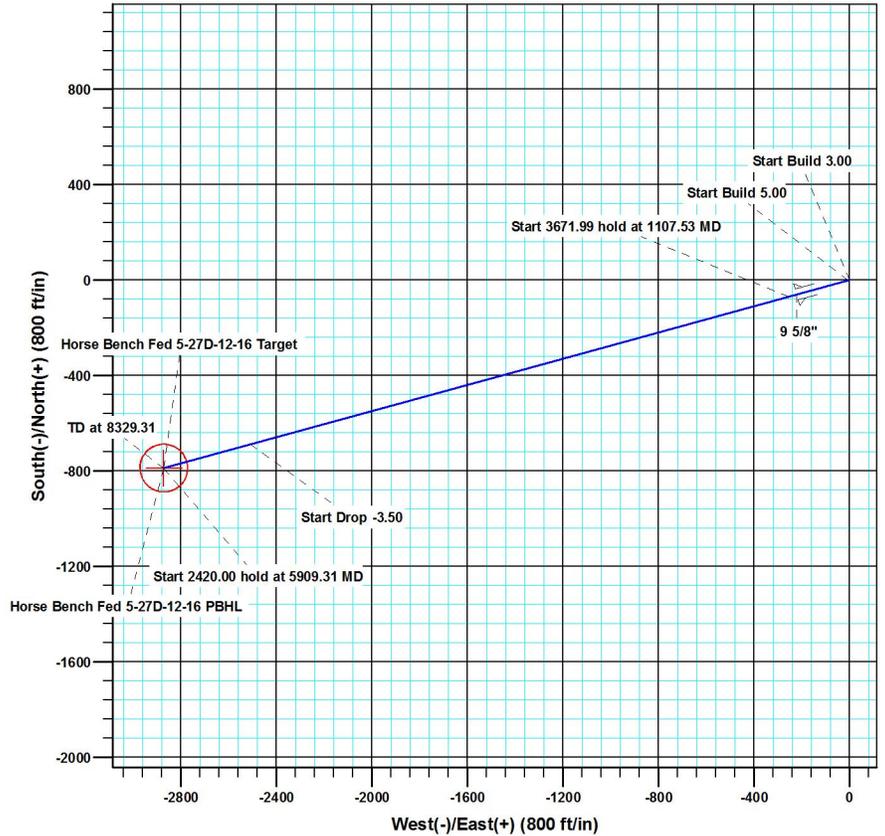
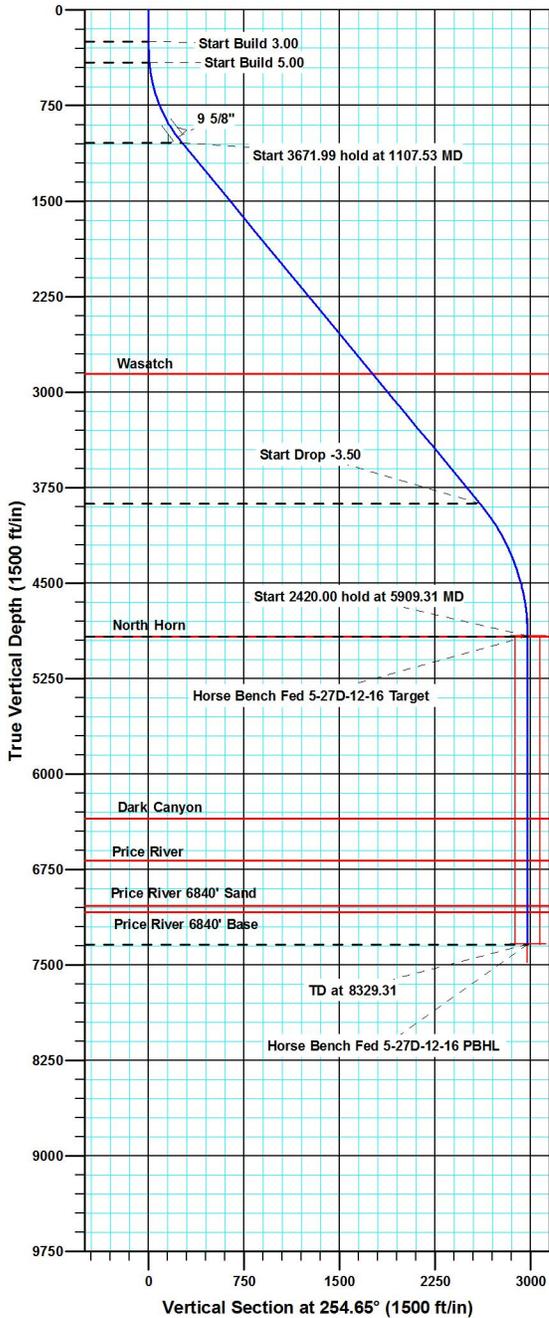




Horse Bench NE 27 Pad WELL DETAILS: Horse Bench Fed #5-27D-12-16  
 US State Plane 1927 (Exact solution) , Utah Central 4302 , NAD 1927 (NADCON CONUS)

+N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 518593.27 2391786.93 39° 44' 55.60 N 110° 6' 23.43 W

Ground Level: 6772.00



Azimuths to True North  
 Magnetic North: 11.35°  
 Magnetic Field  
 Strength: 52189.7snT  
 Dip Angle: 65.57°  
 Date: 10/28/2010  
 Model: IGRF200510

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	
416.67	5.00	254.64	416.48	-1.93	-7.01	3.00	254.64	7.27	
1107.53	39.54	254.65	1046.14	-70.18	-255.70	5.00	0.00	285.15	
4779.51	39.54	254.65	3877.78	-688.90	-2510.13	0.00	0.00	2602.94	
5909.31	0.00	0.00	4920.00	-788.05	-2871.40	3.50	180.00	2977.58	Horse Bench Fed 5-27D-12-16 Target
8329.31	0.00	0.00	7340.00	-788.05	-2871.40	0.00	0.00	2977.58	Horse Bench Fed 5-27D-12-16 PBHL



<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Horse Bench Fed #5-27D-12-16
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6790.00ft
<b>Project:</b>	Carbon County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6790.00ft
<b>Site:</b>	Horse Bench NE 27 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Horse Bench Fed #5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 28oct10 rbw		

<b>Project</b>	Carbon County, UT [NAD27]		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		Using geodetic scale factor

<b>Site</b>	Horse Bench NE 27 Pad				
<b>Site Position:</b>		<b>Northing:</b>	518,593.28 usft	<b>Latitude:</b>	39° 44' 55.60 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,391,786.93 usft	<b>Longitude:</b>	110° 6' 23.43 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	1.10 ft	<b>Grid Convergence:</b>	0.89 °

<b>Well</b>	Horse Bench Fed #5-27D-12-16					
<b>Well Position</b>	<b>+N/-S</b>	-0.01 ft	<b>Northing:</b>	518,593.27 usft	<b>Latitude:</b>	39° 44' 55.60 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,391,786.93 usft	<b>Longitude:</b>	110° 6' 23.43 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	6,772.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	10/28/2010	11.35	65.57	52,190

<b>Design</b>	plan1 28oct10 rbw			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	254.65

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
416.67	5.00	254.64	416.46	-1.93	-7.01	3.00	3.00	0.00	254.64	
1,107.53	39.54	254.65	1,046.14	-70.18	-255.70	5.00	5.00	0.00	0.00	
4,779.51	39.54	254.65	3,877.78	-688.90	-2,510.13	0.00	0.00	0.00	0.00	
5,909.31	0.00	0.00	4,920.00	-788.05	-2,871.40	3.50	-3.50	0.00	180.00	Horse Bench Fed 5-2
8,329.31	0.00	0.00	7,340.00	-788.05	-2,871.40	0.00	0.00	0.00	0.00	Horse Bench Fed 5-2

<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Horse Bench Fed #5-27D-12-16
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6790.00ft
<b>Project:</b>	Carbon County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6790.00ft
<b>Site:</b>	Horse Bench NE 27 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Horse Bench Fed #5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 28oct10 rbw		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Start Build 3.00</b>										
300.00	1.50	254.64	299.99	-0.17	-0.63	0.65	3.00	3.00	0.00	
400.00	4.50	254.64	399.85	-1.56	-5.68	5.89	3.00	3.00	0.00	
416.67	5.00	254.64	416.46	-1.93	-7.01	7.27	3.00	3.00	0.00	
<b>Start Build 5.00</b>										
500.00	9.17	254.64	499.13	-4.65	-16.91	17.54	5.00	5.00	0.00	
600.00	14.17	254.64	597.04	-10.00	-36.41	37.76	5.00	5.00	0.00	
700.00	19.17	254.64	692.81	-17.60	-64.06	66.43	5.00	5.00	0.00	
800.00	24.17	254.64	785.71	-27.37	-99.65	103.34	5.00	5.00	0.00	
900.00	29.17	254.64	875.05	-39.26	-142.91	148.20	5.00	5.00	0.00	
1,000.00	34.17	254.64	960.13	-53.16	-193.52	200.68	5.00	5.00	0.00	
1,048.91	36.61	254.74	1,000.00	-60.64	-220.83	229.01	5.00	5.00	0.20	
<b>9 5/8"</b>										
1,100.00	39.17	254.65	1,040.32	-68.96	-251.08	260.38	5.00	5.00	-0.17	
1,107.53	39.54	254.65	1,046.14	-70.18	-255.70	265.15	5.00	5.00	0.01	
<b>Start 3671.99 hold at 1107.53 MD</b>										
1,200.00	39.54	254.65	1,117.45	-85.76	-312.47	324.03	0.00	0.00	0.00	
1,300.00	39.54	254.65	1,194.56	-102.61	-373.87	387.69	0.00	0.00	0.00	
1,400.00	39.54	254.65	1,271.68	-119.46	-435.26	451.36	0.00	0.00	0.00	
1,500.00	39.54	254.65	1,348.79	-136.31	-496.66	515.02	0.00	0.00	0.00	
1,600.00	39.54	254.65	1,425.91	-153.16	-558.05	578.69	0.00	0.00	0.00	
1,700.00	39.54	254.65	1,503.02	-170.01	-619.45	642.36	0.00	0.00	0.00	
1,800.00	39.54	254.65	1,580.14	-186.86	-680.84	706.02	0.00	0.00	0.00	
1,900.00	39.54	254.65	1,657.25	-203.71	-742.24	769.69	0.00	0.00	0.00	
2,000.00	39.54	254.65	1,734.37	-220.56	-803.64	833.35	0.00	0.00	0.00	
2,100.00	39.54	254.65	1,811.48	-237.41	-865.03	897.02	0.00	0.00	0.00	
2,200.00	39.54	254.65	1,888.60	-254.26	-926.43	960.68	0.00	0.00	0.00	
2,300.00	39.54	254.65	1,965.71	-271.11	-987.82	1,024.35	0.00	0.00	0.00	
2,400.00	39.54	254.65	2,042.83	-287.96	-1,049.22	1,088.01	0.00	0.00	0.00	
2,500.00	39.54	254.65	2,119.94	-304.81	-1,110.61	1,151.68	0.00	0.00	0.00	
2,600.00	39.54	254.65	2,197.06	-321.66	-1,172.01	1,215.35	0.00	0.00	0.00	
2,700.00	39.54	254.65	2,274.17	-338.51	-1,233.40	1,279.01	0.00	0.00	0.00	
2,800.00	39.54	254.65	2,351.28	-355.36	-1,294.80	1,342.68	0.00	0.00	0.00	
2,900.00	39.54	254.65	2,428.40	-372.21	-1,356.19	1,406.34	0.00	0.00	0.00	
3,000.00	39.54	254.65	2,505.51	-389.06	-1,417.59	1,470.01	0.00	0.00	0.00	
3,100.00	39.54	254.65	2,582.63	-405.91	-1,478.98	1,533.67	0.00	0.00	0.00	
3,200.00	39.54	254.65	2,659.74	-422.76	-1,540.38	1,597.34	0.00	0.00	0.00	
3,300.00	39.54	254.65	2,736.86	-439.61	-1,601.77	1,661.00	0.00	0.00	0.00	
3,400.00	39.54	254.65	2,813.97	-456.46	-1,663.17	1,724.67	0.00	0.00	0.00	
3,459.69	39.54	254.65	2,860.00	-466.51	-1,699.81	1,762.67	0.00	0.00	0.00	
<b>Wasatch</b>										
3,500.00	39.54	254.65	2,891.09	-473.31	-1,724.57	1,788.34	0.00	0.00	0.00	
3,600.00	39.54	254.65	2,968.20	-490.16	-1,785.96	1,852.00	0.00	0.00	0.00	
3,700.00	39.54	254.65	3,045.32	-507.01	-1,847.36	1,915.67	0.00	0.00	0.00	
3,800.00	39.54	254.65	3,122.43	-523.86	-1,908.75	1,979.33	0.00	0.00	0.00	
3,900.00	39.54	254.65	3,199.55	-540.71	-1,970.15	2,043.00	0.00	0.00	0.00	
4,000.00	39.54	254.65	3,276.66	-557.56	-2,031.54	2,106.66	0.00	0.00	0.00	
4,100.00	39.54	254.65	3,353.78	-574.41	-2,092.94	2,170.33	0.00	0.00	0.00	
4,200.00	39.54	254.65	3,430.89	-591.26	-2,154.33	2,234.00	0.00	0.00	0.00	
4,300.00	39.54	254.65	3,508.01	-608.11	-2,215.73	2,297.66	0.00	0.00	0.00	

<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Horse Bench Fed #5-27D-12-16
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6790.00ft
<b>Project:</b>	Carbon County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6790.00ft
<b>Site:</b>	Horse Bench NE 27 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Horse Bench Fed #5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 28oct10 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,400.00	39.54	254.65	3,585.12	-624.96	-2,277.12	2,361.33	0.00	0.00	0.00
4,500.00	39.54	254.65	3,662.24	-641.81	-2,338.52	2,424.99	0.00	0.00	0.00
4,600.00	39.54	254.65	3,739.35	-658.66	-2,399.91	2,488.66	0.00	0.00	0.00
4,700.00	39.54	254.65	3,816.47	-675.51	-2,461.31	2,552.32	0.00	0.00	0.00
4,779.51	39.54	254.65	3,877.78	-688.90	-2,510.13	2,602.94	0.00	0.00	0.00
<b>Start Drop -3.50</b>									
4,800.00	38.83	254.65	3,893.66	-692.33	-2,522.61	2,615.89	3.50	-3.50	0.00
4,900.00	35.33	254.65	3,973.43	-708.28	-2,580.74	2,676.17	3.50	-3.50	0.00
5,000.00	31.83	254.65	4,056.74	-722.92	-2,634.06	2,731.46	3.50	-3.50	0.00
5,100.00	28.33	254.65	4,143.26	-736.18	-2,682.38	2,781.57	3.50	-3.50	0.00
5,200.00	24.83	254.65	4,232.68	-748.02	-2,725.52	2,826.30	3.50	-3.50	0.00
5,300.00	21.33	254.65	4,324.66	-758.39	-2,763.31	2,865.49	3.50	-3.50	0.00
5,400.00	17.83	254.65	4,418.87	-767.25	-2,795.61	2,898.99	3.50	-3.50	0.00
5,500.00	14.33	254.65	4,514.94	-774.58	-2,822.31	2,926.68	3.50	-3.50	0.00
5,600.00	10.83	254.65	4,612.53	-780.34	-2,843.31	2,948.45	3.50	-3.50	0.00
5,700.00	7.33	254.65	4,711.26	-784.52	-2,858.52	2,964.22	3.50	-3.50	0.00
5,800.00	3.83	254.65	4,810.77	-787.09	-2,867.88	2,973.93	3.50	-3.50	0.00
5,900.00	0.33	254.65	4,910.69	-788.05	-2,871.38	2,977.55	3.50	-3.50	0.00
5,909.31	0.00	0.00	4,920.00	-788.05	-2,871.40	2,977.58	3.50	-3.50	0.00
<b>Start 2420.00 hold at 5909.31 MD - North Horn - Horse Bench Fed 5-27D-12-16 Target</b>									
6,000.00	0.00	0.00	5,010.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,100.00	0.00	0.00	5,110.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,200.00	0.00	0.00	5,210.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,300.00	0.00	0.00	5,310.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,400.00	0.00	0.00	5,410.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,500.00	0.00	0.00	5,510.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,600.00	0.00	0.00	5,610.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,700.00	0.00	0.00	5,710.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,800.00	0.00	0.00	5,810.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
6,900.00	0.00	0.00	5,910.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,000.00	0.00	0.00	6,010.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,100.00	0.00	0.00	6,110.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,200.00	0.00	0.00	6,210.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,300.00	0.00	0.00	6,310.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,339.31	0.00	0.00	6,350.00	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
<b>Dark Canyon</b>									
7,400.00	0.00	0.00	6,410.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,500.00	0.00	0.00	6,510.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,600.00	0.00	0.00	6,610.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,669.31	0.00	0.00	6,680.00	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
<b>Price River</b>									
7,700.00	0.00	0.00	6,710.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,800.00	0.00	0.00	6,810.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
7,900.00	0.00	0.00	6,910.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
8,000.00	0.00	0.00	7,010.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
8,029.31	0.00	0.00	7,040.00	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
<b>Price River 6840' Sand</b>									
8,079.31	0.00	0.00	7,090.00	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
<b>Price River 6840' Base</b>									
8,100.00	0.00	0.00	7,110.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
8,200.00	0.00	0.00	7,210.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
8,300.00	0.00	0.00	7,310.69	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00
8,329.31	0.00	0.00	7,340.00	-788.05	-2,871.40	2,977.58	0.00	0.00	0.00

<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Horse Bench Fed #5-27D-12-16
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6790.00ft
<b>Project:</b>	Carbon County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6790.00ft
<b>Site:</b>	Horse Bench NE 27 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Horse Bench Fed #5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 28oct10 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
TD at 8329.31 - Horse Bench Fed 5-27D-12-16 PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Horse Bench Fed 5-27D - hit/miss target - Shape - Point	0.00	0.00	4,920.00	-788.05	-2,871.40	517,760.66	2,388,928.45	39° 44' 47.81 N	110° 7' 0.19 W
Horse Bench Fed 5-27D - plan hits target center - Circle (radius 100.00)	0.00	0.00	7,340.00	-788.05	-2,871.40	517,760.66	2,388,928.45	39° 44' 47.81 N	110° 7' 0.19 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)	
1,048.91	1,000.00	9 5/8"	0.80	1.02	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,459.69	2,860.00	Wasatch		0.00	
5,909.31	4,920.00	North Horn		0.00	
7,339.31	6,350.00	Dark Canyon		0.00	
7,669.31	6,680.00	Price River		0.00	
8,029.31	7,040.00	Price River 6840' Sand		0.00	
8,079.31	7,090.00	Price River 6840' Base		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
250.00	250.00	0.00	0.00	Start Build 3.00	
416.67	416.46	-1.93	-7.01	Start Build 5.00	
1,107.53	1,046.14	-70.18	-255.70	Start 3671.99 hold at 1107.53 MD	
4,779.51	3,877.78	-688.90	-2,510.13	Start Drop -3.50	
5,909.31	4,920.00	-788.05	-2,871.40	Start 2420.00 hold at 5909.31 MD	
8,329.31	7,340.00	-788.05	-2,871.40	TD at 8329.31	

**SURFACE USE PLAN**

BILL BARRETT CORPORATION  
**Horse Bench Federal NE 27 Pad**  
**Carbon County, UT**

<b><u>Horse Bench Federal 4-27D-12-16</u></b>	<b><u>Horse Bench Federal 5-27D-12-16</u></b>
NWNE, 1257 FNL, 1782 FEL, Sec. 27, T12S-R16E (surface hole) NWNW, 730 FNL, 714 FWL, Sec. 27, T12S-R16E (bottom hole)	NWNE, 1267 FNL, 1761 FEL, Sec. 27, T12S-R16E (surface hole) SWNW, 2049 FNL, 704 FWL, Sec. 27, T12S-R16E (bottom hole)

**The onsite for this pad occurred is pending. This is a new pad with a total of nineteen directional wells (two to be drilled in Phase 1, seventeen future wells).**

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

1. Existing Roads:

- a. The proposed pad is located approximately 51 miles from Myton, Utah. Maps reflecting directions to the proposed pad are included (see Topographic maps A and B).
- b. The use of roads under State and County Road Department maintenance is necessary to access the Peter's Point Unit. However, an encroachment permit is not anticipated as there are no upgrades to the State or County road systems proposed at this time.
- c. See 2.a below for the existing Horse Bench road upgrade information.
- d. No topsoil stripping would occur as there are no improvements proposed to existing State, County or main BLM access roads.
- e. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a scraper and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- f. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- g. To address safety-related traffic concerns, drivers and rig crews would be advised of the hazards to recreational traffic along the existing and proposed access roads, as well as hazards present due to blind corners, cars parked on the road, pedestrian traffic, and mountain bikers. In addition, appropriate signs would be erected to warn non-project personnel about traffic hazards associated with project-related activities and during times of rig moves, when there is heavy equipment, traffic may be controlled on sections of roads. Traffic would be controlled using roadside signs, flagmen, and barricades as appropriate.
- g. Dust suppression and monitoring would be implemented where necessary and as prescribed by the BLM.
- h. **This proposed pad and new access road falls on un-leased federal lands outside of the Peter's Point unit with a portion of the existing access to be upgraded falling within the Peter's Point unit and on lease UTU-08107. An off-lease federal right-of-way (ROW) is requested with this application.**

2. Planned Access Road:

- a. From the existing Peter's Point road, approximately 3877 feet of existing access (2279 feet within the Peter's Point unit, 1598 feet outside the unit) is required to be upgraded. In addition, approximately 1620 feet of new access road is proposed off the upgraded road (see Topographic Map B). **As indicated in 1.b. above, portions of these roads fall off lease on un-leased federal lands and a federal ROW is requested.**
- b. The existing access to be upgraded would be co-located by a liquids line and the new proposed access road would be co-located by the gas pipeline and liquids pipeline. The requested ROW would be 100 ft with a short-term corridor disturbance of 80 ft and a long-term corridor of 30 ft (total of 10.1 acres, reclaimed to 3.8 acres).
- c. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- d. Intervisible turnouts would be constructed, where necessary and as topographic conditions allow, to improve traffic safety. Grades could exceed 10 percent, additional engineering may be required.
- e. New road construction and improvements of existing roads would typically require the use of motorgraders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private, State of Utah, or federal lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Adequate drainage structures would be incorporated and culverts, with a minimum diameter of 18 inches, would be installed as necessary. Turnouts would also be incorporated where necessary.
- i. No gates or cattle guards are anticipated at this time.
- j. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- k. All access roads and surface disturbing activities would conform to the appropriate standard, no higher than necessary, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007. BBC would be responsible for all maintenance of the access road.

3. Location of Existing Wells (see One-Mile Radius Map):

a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i. water wells	none
ii. injection wells	none
iii. disposal wells	none
iv. drilling wells	none
v. temp shut-in wells	none
vi. producing wells	twelve
vii. abandoned wells	none

4. Location of Production Facilities:

- a. Each proposed well would have its own meter run and separator. Proposed wellheads and christmas trees would be contained below location grade in pre-cast concrete trenches. All wellheads associated with the drilling operations for this pad would be contained in the same trench measuring approximately 12 ft wide, 10 ft deep, and 152 ft long (# wells x 8 ft + 16 ft for two end pieces). Drawings of below ground cellars can be provided by BBC upon request.
- b. Tank facilities for this pad would be located at the existing CTB/WMF located in the SWNW, Sec. 34, T12S-R16E within the Peter's Point unit. The new proposed wells for this pad are outside the Peter's Point unit and not within the participating area, therefore, (2) new 500 barrel tanks would be set for these proposed wells at the CTB. A site diagram would be provided prior to setting facilities.
- c. The CTB is surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves are placed inside the berm surrounding the CTB or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil. BBC requests permission to install the necessary production/operation facilities with this application.
- d. Most wells would be fitted with plunger lift systems to assist liquid production. However, pump jacks may be used if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be small (50 horsepower or less), natural gas-fired internal combustion engines.
- e. Gas meter run(s) would be constructed and located within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3
- f. A combustor may be installed at the proposed CTB/WMF for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 10 ft -27 ft tall.
- g. A gas gathering pipeline (up to 10 inch diameter) and a liquids line (up to 4 inch diameter) is associated with this application and is being applied for at this time (see Topographic Map D). Both lines would leave the west side of the pad and traverse west where the gas pipeline would tie into the existing 12 inch line and the liquids line would traverse southerly to transport the liquids to the a tie-in point to transfer liquids to the CTB.
- h. The proposed new gas pipeline would be constructed of steel while the liquids line would be constructed of steel, polyethylene, or fiberglass. The gas pipeline and liquids line would be buried,

where soil conditions permit, within the proposed co-located access road and pipeline corridor noted above in Section 2(b) (Planned Access Roads).

- i. Burial of pipelines would depend upon the site-specific topographic and soil conditions and operational requirements. The determination to bury or surface lay the pipeline would be made by the Authorized Officer at the time of construction.
  - j. BBC intends on stringing the pipeline on the surface, welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. The welded joints would either remain on the surface or would be placed within the trench, depending on the scenario. BBC intends on connecting the pipeline together utilizing conventional welding technology.
  - k. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
  - l. To limit erosion potential, backfill over pipeline trenches would be compacted so as not to extend above the original ground level after the fill has settled. Wheel or other methods of compacting backfill would be utilized as practicably feasible to reduce trench settling and water channeling.
  - m. All **permanent** above-ground structures would be painted a flat, non-reflective Olive Black to match the standard environmental colors. These structures would be painted the designated color at the time of installation or within 6 months of being located on site. Facilities that are required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
  - n. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to.
  - o. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
5. Location and Type of Water Supply:
- a. Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under:
    - Application Number 90-1863, expires June 6, 2011
    - Application Number 98-860, expires September 30, 2010
    - Application Number 90-4, expires December 31, 2014
    - Application Number 90-1861, expires May 11, 2011
  - b. Water use for this location would most likely be diverted from Nine Mile Creek, the S¼ of Section 8, T12S-R16E or from a water well located in the N¼ of State Section 32-T12S-R16E. For either of these sources, bobtail trucks would haul the water, traveling Cottonwood Canyon dugway to Peter's Point road.
  - c. Water use would vary in accordance with the formations to be drilled but would average approximately 1 acre-foot (7,758 barrels) during drilling operations and 1 acre-foot (7,758 barrels) during completion operations.
6. Source of Construction Material:
- a. The use of materials would conform to 43 CFR 3610.2-3.
  - b. No construction materials would be taken out of the Peter's Point Unit for use at this location.

- c. If any additional gravel is required, it would be obtained from SITLA materials permits or from private sources.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.

Closed Loop Drilling System

- b. BBC intends to employ a closed loop drilling system in which drilling fluids and cuttings would be thoroughly processed such that the separated cuttings are relatively dry. The cuttings would be stored on location in either secured piles or in a 460 ft x 55 ft cuttings trench (indicated as reserve pit on Figure 1 located outboard of the location along the south side of the pad).
- c. The cuttings trench would not be lined. Three sides of the trench would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until cuttings trench has been reclaimed.
- d. Upon completion of drilling, the cuttings would be tested and further processed as necessary to meet standards for burial on site or other BLM approved uses such as a media for road surfacing or growing media for reclamation.

Conventional or Semi-Closed Loop Drilling System

- e. In the event closed loop drilling is not employed, a conventional or semi-closed loop system would be used where a small amount of fluid is retained in the cuttings and the cuttings are placed in the reserve pit. The reserve pit would also store water to make up losses and store any excess drilling fluids. Reserve pits would be constructed with an impermeable liner so as to prevent releases. The pit liner would overlap the pit walls and be anchored with soil and/or rocks to hold it in place. No trash, scrap pipe, etc. that could puncture the liner would be disposed of in the pit and a minimum of 2 ft of freeboard would be maintained in the pit at all times. Reserve pits would be constructed and maintained according to BLM or UDOGM requirements as appropriate.
- f. Three sides of the reserve pit would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until the pit is dry.
- g. Any hydrocarbons floating on the surface of the reserve pit would be removed as soon as possible after drilling and completion operations are finished. In some cases, the reserve pit may be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

Completion Pit

- h. Where closed loop drilling is employed, the cuttings trench disturbed area would typically also be used to store water for completion activities. The completion pit would be constructed with an impermeable liner to prevent releases and would be fenced and constructed and maintained according to BLM or UDOGM requirements.

Other

- i. Produced fluids from the wells other than water would be decanted into steel test tanks until such time as construction of production facilities is completed. Produced water may be used in further drilling and completion activities, evaporated in the pit or would be hauled to a state approved disposal facility.
- j. After initial clean-up and based on volumes, BBC would install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater would be

confined to tanks within the CTB for a period not to exceed ninety (90) days. Thereafter, produced water would be used in further drilling and completion activities or hauled to a State approved disposal facility.

- k. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
  - l. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
  - m. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
  - n. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Carbon, Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
  - o. Sanitary waste equipment and trash bins would be removed from the WTP Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
  - p. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the West Tavaputs Project area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is possible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
  - q. Flare lines would be directed so as to avoid damage to surrounding vegetation, adjacent rock faces, or other resources, and as required by regulations. Flare lines would be in place on all well locations. In the event it becomes necessary to flare a well, a deflector and/or directional orifice would also be used to safeguard both personnel and adjacent natural rock faces.
8. Ancillary Facilities:
- a. Garbage containers and portable toilets would be located on the well pad.

- b. BLM approved and permitted storage yards for tubulars and other equipment and temporary housing areas would be utilized.
- c. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. Active drilling locations could include up to five single wide mobile homes or fifth wheel campers/trailers.

9. Well Site Layout:

- a. Each well would be properly identified in accordance with 43 CFR 3162.6
- b. The pad has been staked at its maximum size of 532 ft x 305 ft with a 460 ft x 55 ft (5.6 acres) cuttings trench/reserve pit/completion pit outboard of the pad. The location layout and cross section diagrams are enclosed. **This pad falls off lease and on un-leased federal lands. Therefore, a federal ROW is requested.**
- c. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- d. Proposed wellheads and christmas trees would be contained below location grade in pre-cast concrete trenches.
- e. The cuttings trench or reserve pit would be fenced on three sides during drilling and on the fourth side immediately after the removal of the drilling rig. In the event closed loop drilling is employed, the cuttings trench would be removed or stockpiled on one edge of the trench and the area would be used for a completion pit during completion operations.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. Construction of the well pad would take from 1 to 3 weeks depending on the features at the particular site.
- i. Dust suppression may be implemented if necessary to minimize the amount of fugitive dust.

10. Plan for Restoration of the Surface:

Interim Reclamation (see Figure 4)

- a. Portions of the disturbed area within a construction ROW or portions of well pads not needed for production would be reclaimed according to specifications of the BLM as appropriate.
- b. Prior to interim reclamation activities, all solid wastes and refuse would be removed and placed at approved landfills. The portions of the well pad or access and pipeline corridor not needed for production would be re-contoured to promote proper drainage, salvaged topsoil would be replaced, and side slopes would be ripped and disked on the contour. Following site preparation, reseeding would be completed during either the spring or fall planting season, when weather conditions are most favorable. Seed mixtures for reclaimed areas would be site-specific and would require approval by the BLM. BBC would apply and meet BLM's Green River District Reclamation Standards, as practicable.

- c. The operator would control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- d. Following interim reclamation, access roads (including roads co-located with pipeline) would be reduced to approximately 30 feet of disturbance. Roads leading to well sites that would not have surface production equipment would be designed and reclaimed in a way that minimizes impacts to the visual character of the host lands.
- e. Weather permitting, earthwork for interim reclamation would be completed within 6 months of completion of the final well on the pad or plugging and would continue until satisfactory revegetation cover is established. Inter-seeding (i.e. seeding into existing vegetation), secondary seeding, or staggered seeding may be used to accomplish revegetation objectives. During rehabilitation of areas in important wildlife habitat, provisions would be made for the establishment of native browse and forb species. Follow-up seeding or corrective erosion control measures would occur on areas where initial reclamation efforts are unsuccessful, as determined by the BLM or the appropriate surface management agency.

Dry Hole/Final Reclamation

- f. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc. would be expediently reclaimed and reseeded in accordance with the reclamation plan and any pertinent site-specific COAs.
- g. When a well is to be plugged and abandoned, BBC would submit a Notice of Intent to Abandon (NOA) to the BLM or UDOGM as appropriate. The BLM or UDOGM would then attach the appropriate surface rehabilitation COAs for the well pad, and as appropriate, for the associated access road, pipeline, and ancillary facilities. During plugging and abandonment, all structures and equipment would be removed from the well pad. Backfilling, leveling, and re-contouring would then be performed according to the BLM or UDOGM order.
- h. Any mulch used by BBC would be weed-free and free from mold, fungi, or noxious weeds. Mulch may include native hay, small grain straw, wood fiber, live mulch, cotton, jute, synthetic netting or rock.
- i. BBC would reshape disturbed channel beds to their approximate original configuration.
- j. Reclamation of abandoned roads may include re-shaping, re-contouring, re-surfacing with topsoil, installation of water bars, and seeding on the contours. Road beds, well pads, and other compacted areas would be ripped to a depth of approximately 1 foot on 1.5 foot centers to reduce compaction prior to spreading the topsoil across the disturbed area. Stripped vegetation would be spread over the disturbance area for nutrient recycling, where practical. Additional erosion control measures (e.g. fiber matting) and road barriers to discourage travel may be constructed if appropriate. Graveled roads, well pads, and other sites would be stripped of usable gravel prior to ripping as deemed necessary. Culverts, cattleguards, and signs would be removed as roads are abandoned.

Bill Barrett Corporation  
Surface Use Plan  
Horse Bench Federal NE 27 Pad  
Carbon County, Utah

11. Surface and Mineral Ownership:
  - a. Surface ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.
  - b. Mineral ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.
  
12. Other Information:
  - a. Archaeological inventories are pending.
  - b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
  - c. Project personnel and contractors would be educated on and subject to the following requirements:
    - No dogs within the WTP Project Area;
    - No firearms within the WTP Project Area;
    - No littering within the WTP Project Area;
    - Smoking within the WTP Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders;
    - Campfires or uncontained fires of any kind would be prohibited within the WTP Project Area;
    - Portable generators used in the WTP Project Area would have spark arrestors.
  - d. Proposed disturbances fall in and outside of the Peter's Point unit. See attached lease boundary map.

OPERATOR CERTIFICATION

Certification:

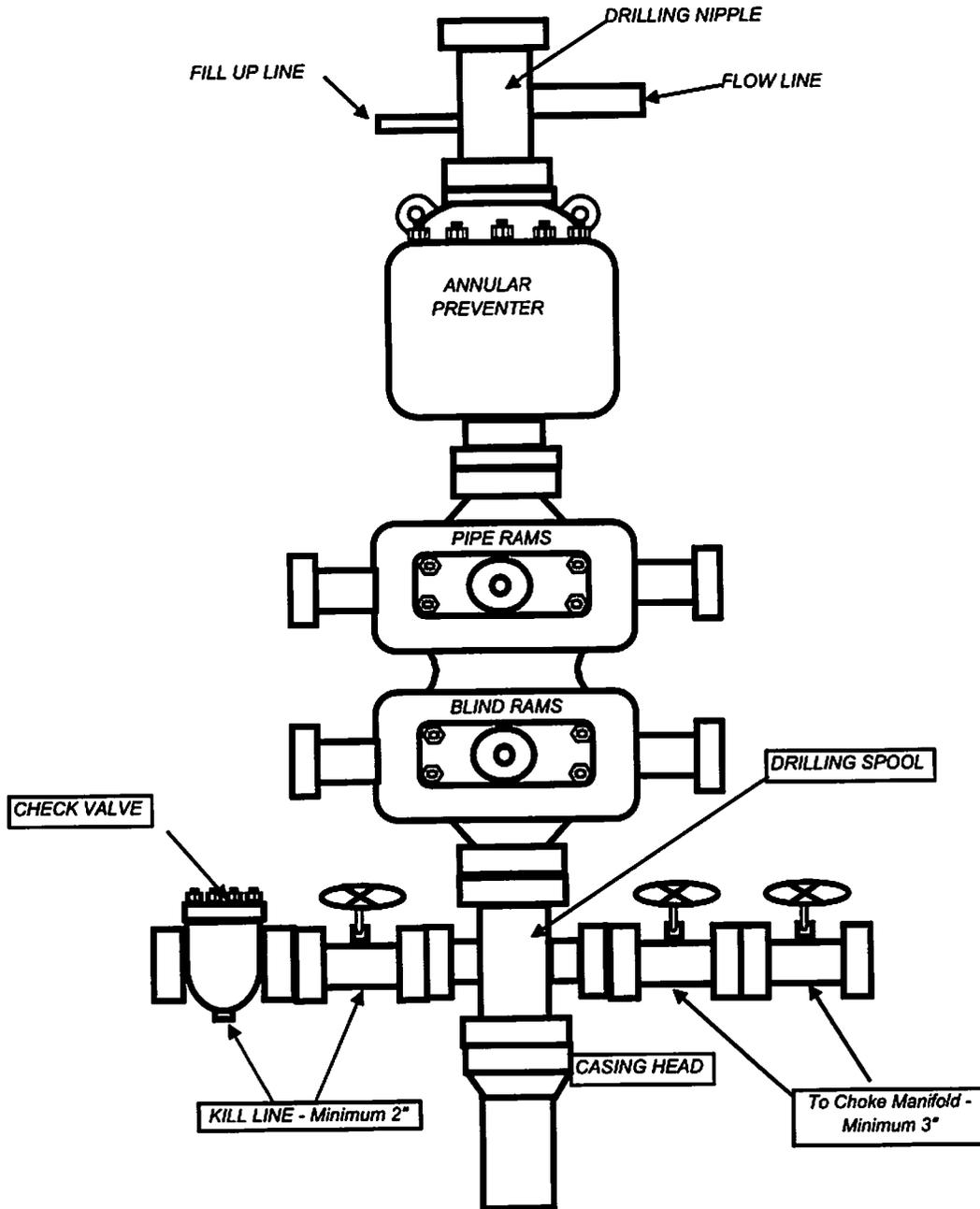
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made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

Executed this 3rd day of November 2010  
Name: Tracey Fallang  
Position Title: Regulatory Manager  
Address: 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202  
Telephone: 303-312-8134  
Field Representative Brandon Murdoch  
Address: 1820 W. Hwy 40, Roosevelt, UT 84066  
Telephone: 435-724-5252  
E-mail: [bmurdoch@billbarrettcorp.com](mailto:bmurdoch@billbarrettcorp.com)

Tracey Fallang  
Tracey Fallang, Regulatory Manager

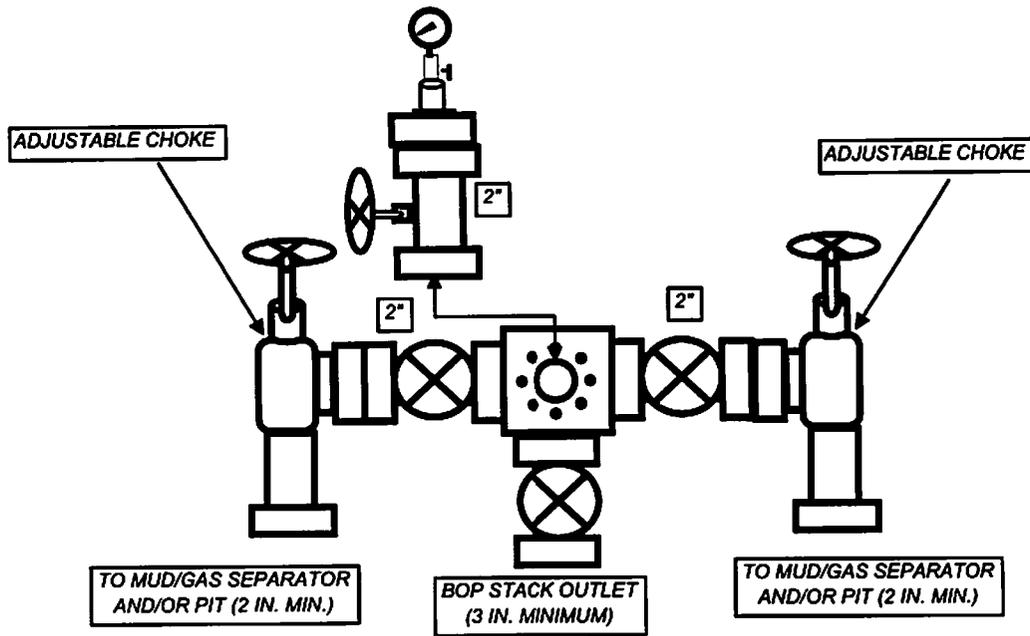
# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. CHOKE MANIFOLD





November 9, 2010

Ms. Diana Mason  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Directional Drilling R649-3-11  
Horse Bench Federal #5-27D-12-16  
SHL: 1267' FNL & 1761' FEL NWNE 27-T12S-R16E  
BHL: 2049' FNL & 704' FWL SWNW 27-T12S-R16E  
Carbon County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the "Exception to Location and Siting of Wells."

- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area;
- BBC hereby certifies that it is the sole working interest owner within 460 feet of the producing interval.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8513.

Sincerely,

A handwritten signature in blue ink that reads 'Vicki Wambolt'.

Vicki L. Wambolt  
Landman

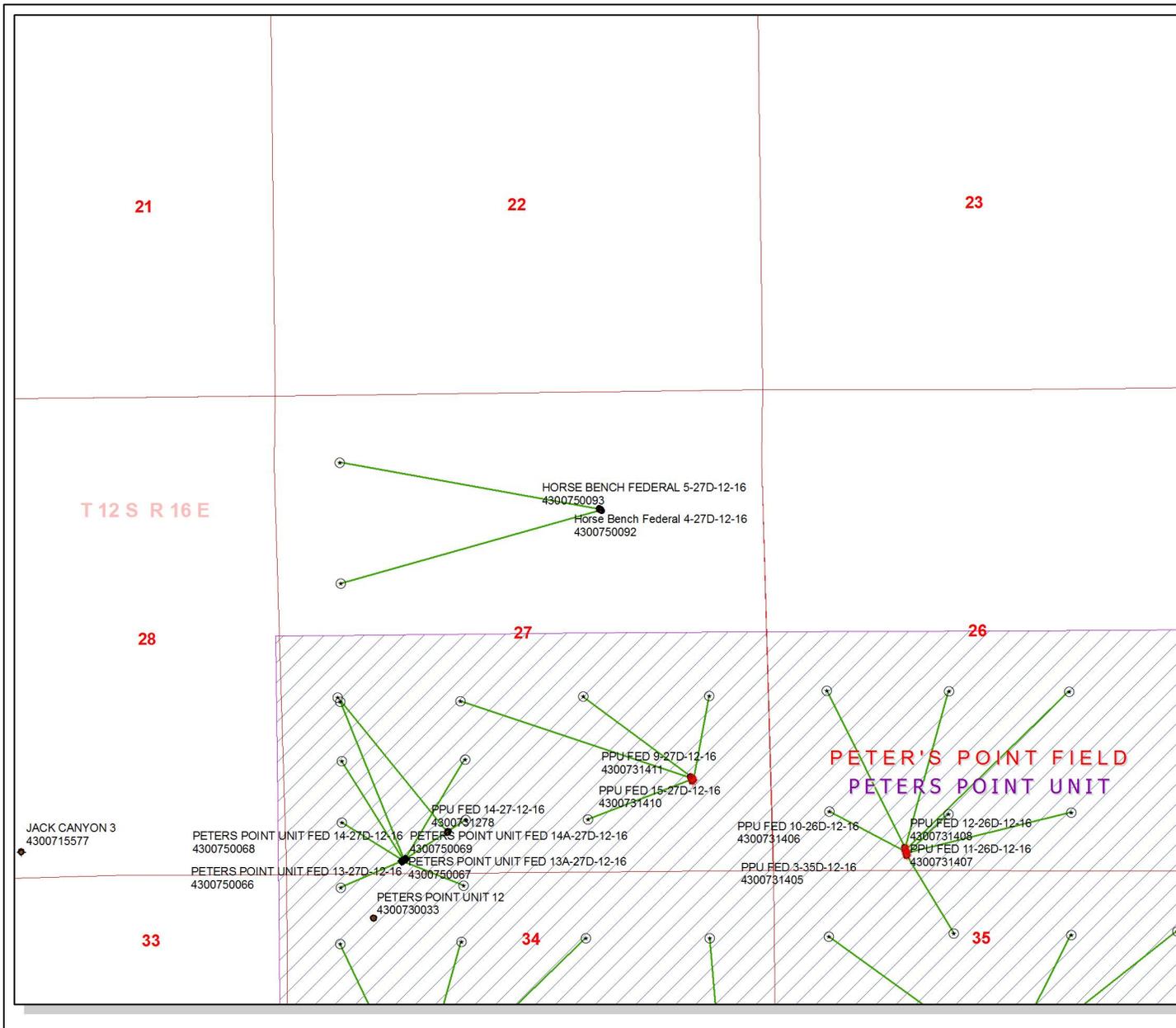
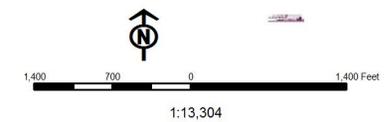
A second handwritten signature in blue ink, appearing to be 'Vicki Wambolt'.

1099 18TH STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420

**API Number: 4300750093**  
**Well Name: HORSE BENCH FEDERAL 5-27D-12-16**  
**Township 12.0 S Range 16.0 E Section 27**  
**Meridian: SLBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

- | Units                         | Wells Query                          |
|-------------------------------|--------------------------------------|
| <b>STATUS</b>                 | ✕ -all other values-                 |
| ACTIVE                        | ◆ APD - Approved Permit              |
| EXPLORATORY                   | ⊙ DRL - Spudded (Drilling Commenced) |
| GAS STORAGE                   | ⊕ GIW - Gas Injection                |
| NF PP OIL                     | ⊕ GS - Gas Storage                   |
| NF SECONDARY                  | ⊕ LA - Location Abandoned            |
| PI OIL                        | ⊕ LDC - New Location                 |
| PP GAS                        | ⊕ OPS - Operation Suspended          |
| PP GEOTHEML                   | ⊕ PA - Plugged Abandoned             |
| PP OIL                        | ⊕ PGW - Producing Gas Well           |
| SECONDARY                     | ⊕ POW - Producing Oil Well           |
| TERMINATED                    | ⊕ RET - Returned APD                 |
| <b>Fields</b>                 | ⊕ SGW - Shut-in Gas Well             |
| Sections                      | ⊕ SDW - Shut-in Oil Well             |
| Township                      | ⊕ TA - Temp Abandoned                |
| ⊙ Bottom Hole Location - AGRC | ⊕ TW - Test Well                     |
|                               | ⊕ WDW - Water Disposal               |
|                               | ⊕ WWI - Water Injection Well         |
|                               | ⊕ WSW - Water Supply Well            |



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

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**APD RECEIVED:** 11/3/2010

**API NO. ASSIGNED:** 43007500930000

**WELL NAME:** HORSE BENCH FEDERAL 5-27D-12-16

**OPERATOR:** BILL BARRETT CORP (N2165)

**PHONE NUMBER:** 303 312-8134

**CONTACT:** Tracey Fallang

**PROPOSED LOCATION:** NWNE 27 120S 160E

**Permit Tech Review:**

**SURFACE:** 1267 FNL 1761 FEL

**Engineering Review:**

**BOTTOM:** 2049 FNL 0704 FWL

**Geology Review:**

**COUNTY:** CARBON

**LATITUDE:** 39.74854

**LONGITUDE:** -110.10647

**UTM SURF EASTINGS:** 576553.00

**NORTHINGS:** 4400021.00

**FIELD NAME:** UNDESIGNATED

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU79178

**PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

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**RECEIVED AND/OR REVIEWED:**

- PLAT**
- Bond:** FEDERAL - WYB00040
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** Nine Mile Creek
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

**Commingle Approved**

**LOCATION AND SITING:**

- R649-2-3.**
  - Unit:**
  - R649-3-2. General**
  - R649-3-3. Exception**
  - Drilling Unit**
  - Board Cause No:** R649-3-11
  - Effective Date:**
  - Siting:**
  - R649-3-11. Directional Drill**
- 

**Comments:** Presite Completed

**Stipulations:** 4 - Federal Approval - dmason  
15 - Directional - dmason  
23 - Spacing - dmason  
27 - Other - BHILL



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** HORSE BENCH FEDERAL 5-27D-12-16  
**API Well Number:** 43007500930000  
**Lease Number:** UTU79178  
**Surface Owner:** FEDERAL  
**Approval Date:** 11/16/2010

**Issued to:**

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

No completion attempts above the North Horn are allowed without prior approval from DOGM. Completion into higher strata may require an exception location approval.

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5. LEASE DESIGNATION AND SERIAL NUMBER:**  
UTU79178

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7. UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**  
Gas Well

**8. WELL NAME and NUMBER:**  
HORSE BENCH FED 5-27D-12-16

**2. NAME OF OPERATOR:**  
BILL BARRETT CORP

**9. API NUMBER:**  
43007500930000

**3. ADDRESS OF OPERATOR:**  
1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:**  
303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:**  
UNDESIGNATED

**4. LOCATION OF WELL**  
**FOOTAGES AT SURFACE:**  
1267 FNL 1761 FEL  
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**  
Qtr/Qtr: NWNE Section: 27 Township: 12.0S Range: 16.0E Meridian: S

**COUNTY:**  
CARBON

**STATE:**  
UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/16/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is being submitted to request this APD expiration date be extended another year. BBC has submitted, but not yet received approval for this APD from the Price BLM field office, and BBC does have plans to drill this well once we receive approval from the BLM. Please contact Brady Riley at 303-312-8115 with questions regarding this renewal.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** 10/18/2011  
**By:** 

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/17/2011	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43007500930000**

**API:** 43007500930000

**Well Name:** HORSE BENCH FED 5-27D-12-16

**Location:** 1267 FNL 1761 FEL QTR NWNE SEC 27 TWP 120S RNG 160E MER S

**Company Permit Issued to:** BILL BARRETT CORP

**Date Original Permit Issued:** 11/16/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

**Signature:** Brady Riley

**Date:** 10/17/2011

**Title:** Permit Analyst **Representing:** BILL BARRETT CORP

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Gas Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU79178
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1267 FNL 1761 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 27 Township: 12.0S Range: 16.0E Meridian: S	<b>8. WELL NAME and NUMBER:</b> HORSE BENCH FED 5-27D-12-16
<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. API NUMBER:</b> 43007500930000
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	<b>COUNTY:</b> CARBON
<b>STATE:</b> UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>11/16/2012</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is being submitted to request this APD expiration date be extended another year. BBC has submitted, but not yet received approval for this APD from the Price BLM field office, and BBC does have plans to drill this well once we receive approval from the BLM. Please contact Brady Riley at 303-312-8115 with questions regarding this renewal.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** October 29, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/25/2012	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43007500930000**

API: 43007500930000

Well Name: HORSE BENCH FED 5-27D-12-16

Location: 1267 FNL 1761 FEL QTR NWNE SEC 27 TWNP 120S RNG 160E MER S

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 11/16/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Brady Riley

Date: 10/25/2012

Title: Permit Analyst Representing: BILL BARRETT CORP

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU79178
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: HORSE BENCH FED 5-27D-12-16
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43007500930000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1267 FNL 1761 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 27 Township: 12.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: CARBON
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/16/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC here by requests a one year extension for APD, as BLM permit has not been apvd

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: October 07, 2013

By: 

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 10/4/2013	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43007500930000**

API: 43007500930000

Well Name: HORSE BENCH FED 5-27D-12-16

Location: 1267 FNL 1761 FEL QTR NWNE SEC 27 TWNP 120S RNG 160E MER S

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 11/16/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Christina Hirtler

Date: 10/4/2013

Title: Administrative Assistant Representing: BILL BARRETT CORP

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/1/2014**

<b>FROM:</b> (Old Operator): N2165-Bill Barrett Corporation 1099 18th Street, Suite 230 Denver, CO 80202 Phone: 1 (303) 312-8134	<b>TO:</b> ( New Operator): N4040-EnerVest Operating, LLC 1001 Fannin Street, Suite 800 Houston, TX 77002 Phone: 1 (713) 659-3500
--	---

WELL NAME	CA No.	SEC	TWN	RNG	API NO	Unit:	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List						N/A				

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/7/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/7/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/28/2014
- a. Is the new operator registered in the State of Utah:        Business Number: 8850806-0161
- 5a. (R649-9-2)Waste Management Plan has been received on: Not Yet
- 5b. Inspections of LA PA state/fee well sites complete on: Yes
- 5c. Reports current for Production/Disposition & Sundries on: 1/24/2014
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Yes

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 1/28/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 1/28/2014
- Bond information entered in RBDMS on: 1/28/2014
- Fee/State wells attached to bond in RBDMS on: 1/28/2014
- Injection Projects to new operator in RBDMS on: 1/28/2014
- Receipt of Acceptance of Drilling Procedures for APD/New on: 1/7/2014
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 1/7/2014

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: RLB7886
- Indian well(s) covered by Bond Number: RLB7886
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number B008371
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/28/2014

**COMMENTS:**

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)  
Effective 1/1/2014

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
JACK CANYON UNIT 8-32	32	120S	160E	4300730460	15167	State	State	WI	A
PRICKLY PEAR U FED 10-4	10	120S	140E	4300730823	14462	Federal	Federal	WI	A
JACK CYN U ST 14-32	32	120S	160E	4300730913	15166	State	State	WD	A
PRICKLY PEAR U FED 12-24	24	120S	140E	4300730953	14467	Federal	Federal	WD	A
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092		Federal	Federal	GW	APD
HORSE BENCH FED 5-27D-12-16	27	120S	160E	4300750093		Federal	Federal	GW	APD
HORSE BENCH FED 4-20D-12-17	19	120S	170E	4300750350		Federal	Federal	GW	APD
Horse Bench Federal 16-18D-12-17	19	120S	170E	4300750351		Federal	Federal	GW	APD
SHARPLES 1 GOVT PICKRELL	11	120S	150E	4300716045	7030	Federal	Federal	GW	P
STONE CABIN UNIT 1	13	120S	140E	4300716542	12052	Federal	Federal	GW	P
STONE CABIN FED 1-11	11	120S	140E	4300730014	6046	Federal	Federal	GW	P
JACK CANYON 101-A	33	120S	160E	4300730049	2455	Federal	Federal	GW	P
PETERS POINT ST 2-2-13-16	2	130S	160E	4300730521	14387	State	State	GW	P
HUNT RANCH 3-4	3	120S	150E	4300730775	13158	State	Fee	GW	P
PRICKLY PEAR UNIT 13-4	13	120S	140E	4300730825	14353	Federal	Federal	GW	P
PETERS POINT ST 4-2-13-16	2	130S	160E	4300730866	14386	State	State	GW	P
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E	4300731008	14897	Federal	Federal	GW	P
PETERS POINT ST 5-2D-13-16 DEEP	2	130S	160E	4300731056	15909	State	State	GW	P
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E	4300731226	15719	State	State	GW	P
PP ST 8-2D-13-16 (DEEP)	2	130S	160E	4300731280	16069	State	State	GW	P
PETERS POINT U FED 14-27D-12-16	27	120S	160E	4300750068	18204	Federal	Federal	GW	P
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E	4300730860	14853	Fee	Fee	GW	PA
PETERS POINT ST 6-2D-13-16	2	130S	160E	4300731017	14472	State	State	D	PA
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E	4300730985	14771	Federal	Federal	GW	S
PETERS POINT ST 8-2D-13-16	2	130S	160E	4300731016	14471	State	State	GW	S

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
<input type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?	<input type="checkbox"/>	<input type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>B 008371</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Ronnie Young                      Title DIRECTOR - REGULATORY                      **RECEIVED**  
 Signature *Ronnie L Young*                      Date 12.5.13                      JAN 07 2014  
 Representing (company name) EnerVest Operating, L.L.C.

DIV. OF OIL, GAS & MINING

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

UDOGM APD TRANSFER FORM WELL LIST

Well Name	Sec	TWN	RNG	API Number	Entity	Lease	Well Type	Well Status	Unit
PPU FED 9-34D-12-16	34	120S	160E	4300731430	17225	Federal	GW	OPS	PETERS POINT
PPU FED 15-35D-12-16	35	120S	160E	4300731475	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 12A-6D-13-17	31	120S	170E	4300750034	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 11A-31D-12-17	31	120S	170E	4300750036	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E	4300750055	14794	Federal	GW	OPS	PRICKLY PEAR
PETERS POINT U FED 9-6D-13-17	06	130S	170E	4300750120	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 14-6D-13-17	06	130S	170E	4300750121	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 15-6D-13-17	06	130S	170E	4300750122	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 2-7D-13-17	06	130S	170E	4300750149	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 1-7D-13-17	06	130S	170E	4300750150	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR US 1A-16D-12-15	09	120S	150E	4300750192	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2A-16D-12-15	09	120S	150E	4300750193	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2-16D-12-15	09	120S	150E	4300750194	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 9A-9D-12-15	09	120S	150E	4300750196	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10-9D-12-15	09	120S	150E	4300750197	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10A-9D-12-15	09	120S	150E	4300750198	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14-9D-12-15	09	120S	150E	4300750199	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14A-9D-12-15	09	120S	150E	4300750200	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15-9D-12-15	09	120S	150E	4300750201	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15A-9D-12-15	09	120S	150E	4300750203	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 16A-9D-12-15	09	120S	150E	4300750204	14794	Federal	GW	OPS	PRICKLY PEAR
PPU FED 11-23D-12-15	23	120S	150E	4300731440		Federal	GW	APD	PRICKLY PEAR
PPU FED 4-26D-12-15	23	120S	150E	4300731441		Federal	GW	APD	PRICKLY PEAR
PPU FED 14-23D-12-15	23	120S	150E	4300731442		Federal	GW	APD	PRICKLY PEAR
PPU FED 12-23D-12-15	23	120S	150E	4300731443		Federal	GW	APD	PRICKLY PEAR
PPU FED 11-34D-12-16	34	120S	160E	4300731465		Federal	GW	APD	PETERS POINT
PPU FED 10-34D-12-16	34	120S	160E	4300731469		Federal	GW	APD	PETERS POINT
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092		Federal	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S	160E	4300750093		Federal	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E	4300750094		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 11-7D-12-15	07	120S	150E	4300750095		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 13-7D-12-15	07	120S	150E	4300750096		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E	4300750097		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E	4300750124		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E	4300750125		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-8D-12-15	08	120S	150E	4300750126		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-8D-12-15	08	120S	150E	4300750127		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E	4300750128		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E	4300750129		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165		Federal	GW	APD	PRICKLY PEAR

UDOGM APD TRANSFER FORM WELL LIST

PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170	Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 15X-36D-12-16	36	120S	160E	4300750178	Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181	Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 10-1D-13-16	36	120S	160E	4300750182	Federal	GW	APD	PETERS POINT
PETERS POINT UF 9-1D-13-16	36	120S	160E	4300750183	Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E	4300750185	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E	4300750186	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E	4300750187	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E	4300750188	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-7D-12-15	07	120S	150E	4300750189	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-7D-12-15	07	120S	150E	4300750190	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-7D-12-15	07	120S	150E	4300750191	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E	4300750205	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E	4300750206	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E	4300750207	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E	4300750208	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E	4300750209	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E	4300750210	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E	4300750211	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E	4300750212	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E	4300750213	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E	4300750214	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E	4300750215	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E	4300750217	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E	4300750218	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E	4300750219	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E	4300750222	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E	4300750223	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E	4300750224	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-18D-12-15	07	120S	150E	4300750225	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-18D-12-15	07	120S	150E	4300750226	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-7D-12-15	07	120S	150E	4300750227	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-7D-12-15	07	120S	150E	4300750228	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-7D-12-15	07	120S	150E	4300750229	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-7D-12-15	07	120S	150E	4300750230	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E	4300750233	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E	4300750234	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E	4300750235	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-8D-12-15	08	120S	150E	4300750236	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E	4300750237	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-8D-12-15	08	120S	150E	4300750238	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-8D-12-15	08	120S	150E	4300750239	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-8D-12-15	08	120S	150E	4300750240	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-8D-12-15	08	120S	150E	4300750260	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-8D-12-15	08	120S	150E	4300750261	Federal	GW	APD	PRICKLY PEAR

UDOGM APD TRANSFER FORM WELL LIST

PRICKLY PEAR UF 4-8D-12-15	08	120S	150E	4300750262	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-8D-12-15	08	120S	150E	4300750263	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-8D-12-15	08	120S	150E	4300750264	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-8D-12-15	08	120S	150E	4300750265	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-8D-12-15	08	120S	150E	4300750266	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-8D-12-15	08	120S	150E	4300750267	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-8D-12-15	08	120S	150E	4300750268	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-8D-12-15	08	120S	150E	4300750269	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-8D-12-15	08	120S	150E	4300750270	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-8D-12-15	08	120S	150E	4300750271	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-8D-12-15	08	120S	150E	4300750272	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-8D-12-15	08	120S	150E	4300750273	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-9D-12-15	09	120S	150E	4300750274	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-9D-12-15	09	120S	150E	4300750275	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-9D-12-15	09	120S	150E	4300750276	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-9D-12-15	09	120S	150E	4300750277	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-9D-12-15	09	120S	150E	4300750278	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-9D-12-15	09	120S	150E	4300750279	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-9D-12-15	09	120S	150E	4300750280	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-9D-12-15	09	120S	150E	4300750281	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-9D-12-15	09	120S	150E	4300750282	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E	4300750283	State	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E	4300750284	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E	4300750285	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E	4300750286	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E	4300750287	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E	4300750288	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E	4300750289	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E	4300750290	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E	4300750291	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E	4300750292	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E	4300750293	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E	4300750294	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E	4300750295	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E	4300750296	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E	4300750297	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E	4300750298	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E	4300750299	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E	4300750300	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E	4300750301	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E	4300750302	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E	4300750303	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E	4300750304	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E	4300750305	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E	4300750306	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E	4300750307	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E	4300750308	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-7D-12-15	07	120S	150E	4300750309	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E	4300750310	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-7D-12-15	07	120S	150E	4300750311	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E	4300750312	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-7D-12-15	07	120S	150E	4300750313	Federal	GW	APD	PRICKLY PEAR

UDOGM APD TRANSFER FORM WELL LIST

PRICKLY PEAR UF 7A-7D-12-15	07	120S	150E	4300750314	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-7D-12-15	07	120S	150E	4300750315	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E	4300750316	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E	4300750317	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E	4300750318	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E	4300750319	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-7D-12-15	07	120S	150E	4300750320	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E	4300750321	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E	4300750322	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E	4300750323	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E	4300750324	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-7D-12-15	07	120S	150E	4300750325	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E	4300750326	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E	4300750327	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E	4300750328	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-7D-12-15	07	120S	150E	4300750329	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E	4300750330	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-7D-12-15	07	120S	150E	4300750331	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-10D-12-15	09	120S	150E	4300750332	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-10D-12-15	09	120S	150E	4300750333	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-10D-12-15	09	120S	150E	4300750334	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-10D-12-15	09	120S	150E	4300750335	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	120S	150E	4300750336	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-10D-12-15	09	120S	150E	4300750338	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-10D-12-15	09	120S	150E	4300750339	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-10D-12-15	09	120S	150E	4300750340	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-9D-12-15	09	120S	150E	4300750341	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-9D-12-15	09	120S	150E	4300750342	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-9D-12-15	09	120S	150E	4300750343	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-9D-12-15	09	120S	150E	4300750344	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-9D-12-15	09	120S	150E	4300750345	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-9D-12-15	09	120S	150E	4300750346	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E	4300750348	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E	4300750349	Federal	GW	APD	PRICKLY PEAR
HORSE BENCH FED 4-20D-12-17	19	120S	170E	4300750350	Federal	GW	APD	
Horse Bench Federal 16-18D-12-17	19	120S	170E	4300750351	Federal	GW	APD	

RECEIVED

JAN 07 2014

COPY

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
2. NAME OF OPERATOR: ENERVEST OPERATING, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1001 FANNIN, ST. STE 800 CITY HOUSTON STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: (see attached well list)
PHONE NUMBER: (713) 659-3500		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:
		COUNTY:
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
ENERVEST OPERATING, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO ENERVEST OPERATING, LLC BY BILL BARRETT CORPORATION EFFECTIVE 1/1/2014. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

EnerVest Operating, L.L.C.  
1001 Fannin, Suite 800  
Houston, Texas 77002  
713-659-3500  
(BLM BOND # RLB 7886 , STATE/FEE BOND # B008321 )

BILL BARRETT CORPORATION  
Duane Zavadil NAME (PLEASE PRINT)  
[Signature] SIGNATURE  
Senior Vice President -  
EH&S, Government and Regulatory Affairs N2115

ENERVEST OPERATING, LLC  
RONNIE L YOUNG NAME (PLEASE PRINT)  
[Signature] SIGNATURE  
DIRECTOR - REGULATORY N4040

NAME (PLEASE PRINT) RONNIE YOUNG TITLE DIRECTOR - REGULATORY  
SIGNATURE [Signature] DATE 12/10/2013

(This space for State use only) **APPROVED**  
**JAN 28 2014 4-PM**  
DIV. OF OIL, GAS & MINING  
Rachel Medina  
(5/2000) (See Instructions on Reverse Side) RECEIVED  
JAN 07 2014  
DIV. OF OIL, GAS & MINING

UDOGM CHANGE OF OPERATOR WELL LIST

Well Name	Sec	TWN	RNG	API Number	Entity	Lease	Well Type	Well Status	Unit
JACK CANYON UNIT 8-32	32	120S	160E	4300730460	15167	State	WI	A	
JACK CYN U ST 14-32	32	120S	160E	4300730913	15166	State	WD	A	
PRICKLY PEAR U FED 12-24	24	120S	140E	4300730953	14467	Federal	WD	A	
PPU FED 11-23D-12-15	23	120S	150E	4300731440		Federal	GW	APD	PRICKLY PEAR
PPU FED 4-26D-12-15	23	120S	150E	4300731441		Federal	GW	APD	PRICKLY PEAR
PPU FED 14-23D-12-15	23	120S	150E	4300731442		Federal	GW	APD	PRICKLY PEAR
PPU FED 12-23D-12-15	23	120S	150E	4300731443		Federal	GW	APD	PRICKLY PEAR
PPU FED 11-34D-12-16	34	120S	160E	4300731465		Federal	GW	APD	PETERS POINT
PPU FED 10-34D-12-16	34	120S	160E	4300731469		Federal	GW	APD	PETERS POINT
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092		Federal	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S	160E	4300750093		Federal	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E	4300750094		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 11-7D-12-15	07	120S	150E	4300750095		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 13-7D-12-15	07	120S	150E	4300750096		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E	4300750097		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E	4300750124		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E	4300750125		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-8D-12-15	08	120S	150E	4300750126		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-8D-12-15	08	120S	150E	4300750127		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E	4300750128		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E	4300750129		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 15X-36D-12-16	36	120S	160E	4300750178		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 10-1D-13-16	36	120S	160E	4300750182		Federal	GW	APD	PETERS POINT
PETERS POINT UF 9-1D-13-16	36	120S	160E	4300750183		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E	4300750185		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E	4300750186		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E	4300750187		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E	4300750188		Federal	GW	APD	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR UF 12A-7D-12-15	07	120S	150E	4300750189	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-7D-12-15	07	120S	150E	4300750190	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-7D-12-15	07	120S	150E	4300750191	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E	4300750205	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E	4300750206	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E	4300750207	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E	4300750208	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E	4300750209	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E	4300750210	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E	4300750211	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E	4300750212	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E	4300750213	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E	4300750214	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E	4300750215	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E	4300750217	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E	4300750218	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E	4300750219	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E	4300750222	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E	4300750223	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E	4300750224	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-18D-12-15	07	120S	150E	4300750225	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-18D-12-15	07	120S	150E	4300750226	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-7D-12-15	07	120S	150E	4300750227	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-7D-12-15	07	120S	150E	4300750228	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-7D-12-15	07	120S	150E	4300750229	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-7D-12-15	07	120S	150E	4300750230	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E	4300750233	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E	4300750234	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E	4300750235	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-8D-12-15	08	120S	150E	4300750236	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E	4300750237	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-8D-12-15	08	120S	150E	4300750238	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-8D-12-15	08	120S	150E	4300750239	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-8D-12-15	08	120S	150E	4300750240	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-8D-12-15	08	120S	150E	4300750260	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-8D-12-15	08	120S	150E	4300750261	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-8D-12-15	08	120S	150E	4300750262	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-8D-12-15	08	120S	150E	4300750263	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-8D-12-15	08	120S	150E	4300750264	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-8D-12-15	08	120S	150E	4300750265	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-8D-12-15	08	120S	150E	4300750266	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-8D-12-15	08	120S	150E	4300750267	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-8D-12-15	08	120S	150E	4300750268	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-8D-12-15	08	120S	150E	4300750269	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-8D-12-15	08	120S	150E	4300750270	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-8D-12-15	08	120S	150E	4300750271	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-8D-12-15	08	120S	150E	4300750272	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-8D-12-15	08	120S	150E	4300750273	Federal	GW	APD	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR UF 5-9D-12-15	09	120S	150E	4300750274	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-9D-12-15	09	120S	150E	4300750275	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-9D-12-15	09	120S	150E	4300750276	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-9D-12-15	09	120S	150E	4300750277	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-9D-12-15	09	120S	150E	4300750278	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-9D-12-15	09	120S	150E	4300750279	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-9D-12-15	09	120S	150E	4300750280	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-9D-12-15	09	120S	150E	4300750281	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-9D-12-15	09	120S	150E	4300750282	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E	4300750283	State	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E	4300750284	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E	4300750285	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E	4300750286	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E	4300750287	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E	4300750288	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E	4300750289	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E	4300750290	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E	4300750291	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E	4300750292	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E	4300750293	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E	4300750294	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E	4300750295	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E	4300750296	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E	4300750297	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E	4300750298	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E	4300750299	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E	4300750300	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E	4300750301	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E	4300750302	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E	4300750303	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E	4300750304	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E	4300750305	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E	4300750306	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E	4300750307	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E	4300750308	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-7D-12-15	07	120S	150E	4300750309	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E	4300750310	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-7D-12-15	07	120S	150E	4300750311	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E	4300750312	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-7D-12-15	07	120S	150E	4300750313	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-7D-12-15	07	120S	150E	4300750314	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-7D-12-15	07	120S	150E	4300750315	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E	4300750316	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E	4300750317	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E	4300750318	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E	4300750319	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-7D-12-15	07	120S	150E	4300750320	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E	4300750321	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E	4300750322	Federal	GW	APD	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E	4300750323		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E	4300750324		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-7D-12-15	07	120S	150E	4300750325		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E	4300750326		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E	4300750327		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E	4300750328		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-7D-12-15	07	120S	150E	4300750329		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E	4300750330		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-7D-12-15	07	120S	150E	4300750331		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-10D-12-15	09	120S	150E	4300750332		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-10D-12-15	09	120S	150E	4300750333		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-10D-12-15	09	120S	150E	4300750334		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-10D-12-15	09	120S	150E	4300750335		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	120S	150E	4300750336		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-10D-12-15	09	120S	150E	4300750338		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-10D-12-15	09	120S	150E	4300750339		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-10D-12-15	09	120S	150E	4300750340		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-9D-12-15	09	120S	150E	4300750341		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-9D-12-15	09	120S	150E	4300750342		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-9D-12-15	09	120S	150E	4300750343		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-9D-12-15	09	120S	150E	4300750344		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-9D-12-15	09	120S	150E	4300750345		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-9D-12-15	09	120S	150E	4300750346		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E	4300750348		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E	4300750349		Federal	GW	APD	PRICKLY PEAR
HORSE BENCH FED 4-20D-12-17	19	120S	170E	4300750350		Federal	GW	APD	
Horse Bench Federal 16-18D-12-17	19	120S	170E	4300750351		Federal	GW	APD	
PPU FED 9-34D-12-16	34	120S	160E	4300731430	17225	Federal	GW	OPS	PETERS POINT
PPU FED 15-35D-12-16	35	120S	160E	4300731475	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 12A-6D-13-17	31	120S	170E	4300750034	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 11A-31D-12-17	31	120S	170E	4300750036	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E	4300750055	14794	Federal	GW	OPS	PRICKLY PEAR
PETERS POINT U FED 9-6D-13-17	06	130S	170E	4300750120	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 14-6D-13-17	06	130S	170E	4300750121	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 15-6D-13-17	06	130S	170E	4300750122	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 2-7D-13-17	06	130S	170E	4300750149	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 1-7D-13-17	06	130S	170E	4300750150	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR US 1A-16D-12-15	09	120S	150E	4300750192	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2A-16D-12-15	09	120S	150E	4300750193	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2-16D-12-15	09	120S	150E	4300750194	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 9A-9D-12-15	09	120S	150E	4300750196	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10-9D-12-15	09	120S	150E	4300750197	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10A-9D-12-15	09	120S	150E	4300750198	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14-9D-12-15	09	120S	150E	4300750199	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14A-9D-12-15	09	120S	150E	4300750200	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15-9D-12-15	09	120S	150E	4300750201	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15A-9D-12-15	09	120S	150E	4300750203	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 16A-9D-12-15	09	120S	150E	4300750204	14794	Federal	GW	OPS	PRICKLY PEAR
SHARPLES 1 GOVT PICKRELL	11	120S	150E	4300716045	7030	Federal	GW	P	

UDOGM CHANGE OF OPERATOR WELL LIST

STONE CABIN UNIT 1	13	120S	140E	4300716542	12052 Federal	GW	P	
STONE CABIN FED 1-11	11	120S	140E	4300730014	6046 Federal	GW	P	
STONE CABIN FED 2-B-27	27	120S	150E	4300730018	14794 Federal	GW	P	PRICKLY PEAR
JACK CANYON 101-A	33	120S	160E	4300730049	2455 Federal	GW	P	
PETERS POINT ST 2-2-13-16	02	130S	160E	4300730521	14387 State	GW	P	
PRICKLY PEAR ST 16-15	16	120S	150E	4300730522	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 36-2	36	120S	160E	4300730761	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-3	36	120S	160E	4300730762	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-4	36	120S	160E	4300730763	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-25D-12-16	36	120S	160E	4300730764	2470 Federal	GW	P	PETERS POINT
HUNT RANCH 3-4	03	120S	150E	4300730775	13158 State	GW	P	
PETERS POINT U FED 4-31D-12-17	36	120S	160E	4300730810	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-26D-12-16	36	120S	160E	4300730812	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UNIT 13-4	13	120S	140E	4300730825	14353 Federal	GW	P	
PRICKLY PEAR UNIT 21-2	21	120S	150E	4300730828	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 6-7D-13-17	06	130S	170E	4300730859	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 4-2-13-16	02	130S	160E	4300730866	14386 State	GW	P	
PRICKLY PEAR U ST 13-16	16	120S	150E	4300730933	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 11-16	16	120S	150E	4300730944	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 7-16	16	120S	150E	4300730945	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-25	25	120S	150E	4300730954	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 16-35	35	120S	160E	4300730965	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-6-13-17	06	130S	170E	4300730982	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-6D-13-17	06	130S	170E	4300731004	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-31D-12-17	06	130S	170E	4300731005	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E	4300731008	14897 Federal	GW	P	
PETERS POINT U FED 12-31D-12-17	36	120S	160E	4300731009	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 2-36D-12-16	36	120S	160E	4300731010	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 9-36-12-16	36	120S	160E	4300731011	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U ST 36-06	36	120S	150E	4300731018	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 8-35D-12-16	36	120S	160E	4300731024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 4-12D-13-16	02	130S	160E	4300731049	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 5-2D-13-16 DEEP	02	130S	160E	4300731056	15909 State	GW	P	
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E	4300731073	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E	4300731074	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E	4300731075	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E	4300731076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E	4300731121	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 2-12D-13-16	06	130S	170E	4300731158	14692 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E	4300731164	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E	4300731165	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E	4300731166	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 10-36D-12-16	36	120S	160E	4300731174	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-36D-12-16	36	120S	160E	4300731175	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E	4300731183	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E	4300731184	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E	4300731186	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E	4300731187	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E	4300731188	14794 Federal	GW	P	PRICKLY PEAR

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PRICKLY PEAR 11-15D-12-15	22	120S	150E	4300731189	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E	4300731192	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E	4300731193	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E	4300731194	15569	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E	4300731195	15568	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E	4300731196	15570	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E	4300731197	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E	4300731198	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E	4300731206	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E	4300731226	15719	State	GW	P	
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E	4300731227	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E	4300731237	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E	4300731238	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E	4300731239	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E	4300731240	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E	4300731241	16028	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E	4300731242	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E	4300731243	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E	4300731244	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E	4300731245	14794	State	GW	P	PRICKLY PEAR
PPU FED 11-18D-12-15	18	120S	150E	4300731257	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 11-20D-12-15	20	120S	150E	4300731258	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-25D-12-15	25	120S	150E	4300731259	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-25D-12-15	25	120S	150E	4300731260	16068	Federal	GW	P	PRICKLY PEAR
PPU FED 15-6D-13-17	06	130S	170E	4300731261	16103	Federal	GW	P	PETERS POINT
PP UF 3-36-12-16	36	120S	160E	4300731271	2470	Federal	GW	P	PETERS POINT
PP UF 6-36-12-16	36	120S	160E	4300731272	2470	Federal	GW	P	PETERS POINT
PPU FED 6-35D-12-16	35	120S	160E	4300731275	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-16	26	120S	160E	4300731277	2470	Federal	GW	P	PETERS POINT
PPU FED 8-34-12-16	34	120S	160E	4300731279	2470	Federal	GW	P	PETERS POINT
PP ST 8-2D-13-16 (DEEP)	02	130S	160E	4300731280	16069	State	GW	P	
PPU FED 6-34D-12-16	34	120S	160E	4300731281	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-15	35	120S	150E	4300731282	16224	Federal	GW	P	PRICKLY PEAR
PPU FED 2-35-12-15	35	120S	150E	4300731283	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-26D-12-15	35	120S	150E	4300731284	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 9-17-12-15	17	120S	150E	4300731287	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1-17D-12-15	17	120S	150E	4300731288	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-17D-12-15	17	120S	150E	4300731289	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-1D-13-16 ULTRA DEEP	06	130S	170E	4300731293	14692	Federal	GW	P	PETERS POINT
PPU FED 1-18D-12-15	18	120S	150E	4300731294	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-18D-12-15	18	120S	150E	4300731295	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5-17D-12-15	18	120S	150E	4300731296	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-17D-12-15	17	120S	150E	4300731307	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-17D-12-15	17	120S	150E	4300731308	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-17D-12-15	17	120S	150E	4300731309	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 13-17D-12-15	17	120S	150E	4300731310	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-17D-12-15	17	120S	150E	4300731311	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-18D-12-15	17	120S	150E	4300731312	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-18D-12-15	18	120S	150E	4300731313	14794	Federal	GW	P	PRICKLY PEAR

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PPU FED 3-18D-12-15	18	120S	150E	4300731314	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-18-12-15	18	120S	150E	4300731315	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5-18D-12-15	18	120S	150E	4300731316	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-18D-12-15	18	120S	150E	4300731317	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-27-12-16	27	120S	160E	4300731318	2470 Federal	GW	P	PETERS POINT
PPU FED 10-27D-12-16	27	120S	160E	4300731319	2470 Federal	GW	P	PETERS POINT
PPU FED 2-34D-12-16	34	120S	160E	4300731320	2470 Federal	GW	P	PETERS POINT
PPU FED 16-17D-12-15	17	120S	150E	4300731321	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 15-16D-12-15	16	120S	150E	4300731322	14794 State	GW	P	PRICKLY PEAR
PPU ST 16-16D-12-15	16	120S	150E	4300731323	14794 State	GW	P	PRICKLY PEAR
PPU ST 14-16D-12-15	16	120S	150E	4300731324	14794 State	GW	P	PRICKLY PEAR
PPU FED 2-7D-13-17 DEEP	06	130S	170E	4300731326	14692 Federal	GW	P	PETERS POINT
PPU FED 3-21D-12-15	21	120S	150E	4300731328	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-21D-12-15	21	120S	150E	4300731329	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-35D-12-16	35	120S	160E	4300731345	2470 Federal	GW	P	PETERS POINT
PPU FED 7-35D-12-16	35	120S	160E	4300731346	2470 Federal	GW	P	PETERS POINT
PPU FED 4-35D-12-16	35	120S	160E	4300731347	2470 Federal	GW	P	PETERS POINT
PPU FED 7-36D-12-16	36	120S	160E	4300731348	2470 Federal	GW	P	PETERS POINT
PPU FED 11-36D-12-16	36	120S	160E	4300731349	2470 Federal	GW	P	PETERS POINT
PPU FED 15-25D-12-16	36	120S	160E	4300731351	2470 Federal	GW	P	PETERS POINT
PPU FED 13-25D-12-16	36	120S	160E	4300731352	2470 Federal	GW	P	PETERS POINT
PPU FED 4-36D-12-16	36	120S	160E	4300731353	2470 Federal	GW	P	PETERS POINT
PPU FED 13-15D-12-15	22	120S	150E	4300731358	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-15D-12-15	22	120S	150E	4300731359	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-22D-12-15	22	120S	150E	4300731360	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-22D-12-15	22	120S	150E	4300731361	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-28D-12-15	28	120S	150E	4300731362	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16X-21D-12-15	28	120S	150E	4300731363	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5A-27D-12-15	28	120S	150E	4300731364	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1-35D-12-16	35	120S	160E	4300731365	2470 Federal	GW	P	PETERS POINT
PPU FED 1A-28D-12-15	28	120S	150E	4300731368	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14A-18D-12-15	18	120S	150E	4300731393	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-18D-12-15	18	120S	150E	4300731394	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15A-18D-12-15	18	120S	150E	4300731395	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16A-18D-12-15	18	120S	150E	4300731396	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-22D-12-15	22	120S	150E	4300731398	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 11-22D-12-15	22	120S	150E	4300731399	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-22D-12-15	22	120S	150E	4300731400	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4A-27D-12-15	22	120S	150E	4300731401	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 13-26D-12-16	26	120S	160E	4300731403	2470 Federal	GW	P	PETERS POINT
PPU FED 15-26D-12-16	26	120S	160E	4300731404	2470 Federal	GW	P	PETERS POINT
PPU FED 3-35D-12-16	26	120S	160E	4300731405	2470 Federal	GW	P	PETERS POINT
PPU FED 10-26D-12-16	26	120S	160E	4300731406	2470 Federal	GW	P	PETERS POINT
PPU FED 11-26D-12-16	26	120S	160E	4300731407	2470 Federal	GW	P	PETERS POINT
PPU FED 12-26D-12-16	26	120S	160E	4300731408	2470 Federal	GW	P	PETERS POINT
PPU FED 11-27D-12-16	27	120S	160E	4300731409	2470 Federal	GW	P	PETERS POINT
PPU FED 15-27D-12-16	27	120S	160E	4300731410	2470 Federal	GW	P	PETERS POINT
PPU FED 9-27D-12-16	27	120S	160E	4300731411	2470 Federal	GW	P	PETERS POINT
PPU FED 11-21D-12-15	21	120S	150E	4300731412	14794 Federal	GW	P	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PPU FED 6-21D-12-15	21	120S	150E	4300731413	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-21D-12-15	21	120S	150E	4300731414	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-20D-12-15	20	120S	150E	4300731419	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1A-20D-12-15	20	120S	150E	4300731420	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-20D-12-15	20	120S	150E	4300731421	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 7A-16D-12-15	16	120S	150E	4300731422	14794 State	GW	P	PRICKLY PEAR
PPU ST 6-16D-12-15	16	120S	150E	4300731423	14794 State	GW	P	PRICKLY PEAR
PPU ST 10A-16D-12-15	16	120S	150E	4300731424	14794 State	GW	P	PRICKLY PEAR
PPU ST 3-16D-12-15	16	120S	150E	4300731425	14794 State	GW	P	PRICKLY PEAR
PPU FED 1-34D-12-16	34	120S	160E	4300731427	2470 Federal	GW	P	PETERS POINT
PPU FED 7-34D-12-16	34	120S	160E	4300731428	2470 Federal	GW	P	PETERS POINT
PPU FED 5-35D-12-16	34	120S	160E	4300731429	2470 Federal	GW	P	PETERS POINT
PPU FED 5-21D-12-15	21	120S	150E	4300731451	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 8-16D-12-15	16	120S	150E	4300731455	14794 State	GW	P	PRICKLY PEAR
PPU ST 12-16D-12-15	16	120S	150E	4300731456	14794 State	GW	P	PRICKLY PEAR
PPU ST 12A-16D-12-15	16	120S	150E	4300731457	14794 State	GW	P	PRICKLY PEAR
PPU ST 15A-16D-12-15	16	120S	150E	4300731458	14794 State	GW	P	PRICKLY PEAR
PPU ST 10-16D-12-15	16	120S	150E	4300731459	14794 State	GW	P	PRICKLY PEAR
PPU ST 11A-16D-12-15	16	120S	150E	4300731460	14794 State	GW	P	PRICKLY PEAR
PPU ST 13A-16D-12-15	16	120S	150E	4300731461	14794 State	GW	P	PRICKLY PEAR
PPU FED 3-34D-12-16	34	120S	160E	4300731466	2470 Federal	GW	P	PETERS POINT
PPU FED 5-34D-12-16	34	120S	160E	4300731467	2470 Federal	GW	P	PETERS POINT
PPU FED 4-34D-12-16	34	120S	160E	4300731468	2470 Federal	GW	P	PETERS POINT
PPU FED 10-7D-12-15	07	120S	150E	4300731470	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15-7D-12-15	07	120S	150E	4300731471	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 9-7D-12-15	07	120S	150E	4300731472	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-7D-12-15	07	120S	150E	4300731473	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-35D-12-16	35	120S	160E	4300731474	2470 Federal	GW	P	PETERS POINT
PPU FED 9-35D-12-16	35	120S	160E	4300731476	2470 Federal	GW	P	PETERS POINT
PPU ST 6A-16D-12-15	16	120S	150E	4300731477	14794 State	GW	P	PRICKLY PEAR
PPU ST 4-16D-12-15	16	120S	150E	4300731478	14794 State	GW	P	PRICKLY PEAR
PPU ST 4A-16D-12-15	16	120S	150E	4300731479	14794 State	GW	P	PRICKLY PEAR
PPU ST 5A-16D-12-15	16	120S	150E	4300731480	14794 State	GW	P	PRICKLY PEAR
PPU ST 3A-16D-12-15	16	120S	150E	4300731481	14794 State	GW	P	PRICKLY PEAR
PPU ST 16A-16D-12-15	16	120S	150E	4300731484	14794 State	GW	P	PRICKLY PEAR
PPU ST 9A-16D-12-15	16	120S	150E	4300731485	14794 State	GW	P	PRICKLY PEAR
PPU ST 16B-16D-12-15	16	120S	150E	4300731514	14794 State	GW	P	PRICKLY PEAR
PPU ST 14B-16D-12-15	16	120S	150E	4300731515	14794 State	GW	P	PRICKLY PEAR
PPU ST 13B-16D-12-15	16	120S	150E	4300731516	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 9-26D-12-16	25	120S	160E	4300750021	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-25D-12-16	25	120S	160E	4300750022	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-31D-12-17	31	120S	170E	4300750023	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-31D-12-17	31	120S	170E	4300750024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-31D-12-17	31	120S	170E	4300750025	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-31D-12-17	31	120S	170E	4300750026	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-31D-12-17	31	120S	170E	4300750027	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14A-31D-12-17	31	120S	170E	4300750028	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-25D-12-16	25	120S	160E	4300750029	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-6D-13-17	31	120S	170E	4300750033	2470 Federal	GW	P	PETERS POINT

UDOGM CHANGE OF OPERATOR WELL LIST

PETERS POINT U FED 10-25D-12-16	25	120S	160E	4300750035	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-36D-12-16	36	120S	160E	4300750037	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-36D-12-16	36	120S	160E	4300750038	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-1D-13-16	36	120S	160E	4300750039	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-1D-13-16	36	120S	160E	4300750040	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E	4300750041	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E	4300750042	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E	4300750043	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E	4300750044	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E	4300750045	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E	4300750046	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E	4300750047	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E	4300750048	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E	4300750049	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E	4300750050	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E	4300750051	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E	4300750052	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E	4300750053	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E	4300750054	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E	4300750056	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E	4300750057	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E	4300750058	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-8D-12-15	08	120S	150E	4300750059	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-8D-12-15	08	120S	150E	4300750060	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-17D-12-15	08	120S	150E	4300750061	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1A-17D-12-15	08	120S	150E	4300750062	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 3A-34D-12-16	27	120S	160E	4300750063	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 4A-34D-12-16	27	120S	160E	4300750064	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-27D-12-16	27	120S	160E	4300750065	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-27D-12-16	27	120S	160E	4300750066	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-27D-12-16	27	120S	160E	4300750067	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-27D-12-16	27	120S	160E	4300750068	18204 Federal	GW	P	
PETERS POINT U FED 14A-27D-12-16	27	120S	160E	4300750069	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E	4300750076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E	4300750077	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E	4300750078	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E	4300750079	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E	4300750080	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E	4300750081	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E	4300750082	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E	4300750083	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-17D-12-15	17	120S	150E	4300750084	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E	4300750085	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E	4300750086	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E	4300750087	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E	4300750088	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E	4300750089	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E	4300750090	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E	4300750091	14794 Federal	GW	P	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E	4300750098	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E	4300750099	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E	4300750100	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E	4300750101	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E	4300750102	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E	4300750104	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E	4300750105	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E	4300750106	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E	4300750107	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 5-31D-12-17	36	120S	160E	4300750109	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 6-31D-12-17	36	120S	160E	4300750116	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 9X-36D-12-16	36	120S	160E	4300750117	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 1-36D-12-16	36	120S	160E	4300750118	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-6D-13-17	06	130S	170E	4300750119	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-31D-12-17	06	130S	170E	4300750123	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E	4300750136	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E	4300750137	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E	4300750138	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E	4300750139	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16A-8D-12-15	08	120S	150E	4300750140	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15A-8D-12-15	08	120S	150E	4300750141	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13A-9D-12-15	08	120S	150E	4300750142	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13-9D-12-15	08	120S	150E	4300750143	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-9D-12-15	08	120S	150E	4300750144	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 10-8D-12-15	08	120S	150E	4300750145	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-8D-12-15	08	120S	150E	4300750146	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 2A-17D-12-15	08	120S	150E	4300750147	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 12-5D-13-17	06	130S	170E	4300750151	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 13-5D-13-17	06	130S	170E	4300750152	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 13-30D-12-17	30	120S	170E	4300750153	18347 Federal	GW	P	PETERS POINT
PETERS POINT UF 14-30D-12-17	30	120S	170E	4300750154	18350 Federal	GW	P	PETERS POINT
PETERS POINT UF 12-30D-12-17	30	120S	170E	4300750155	18346 Federal	GW	P	PETERS POINT
PETERS POINT UF 11-30D-12-17	30	120S	170E	4300750156	18348 Federal	GW	P	PETERS POINT
PETERS POINT UF 3-31D-12-17	30	120S	170E	4300750157	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 2-31D-12-17	30	120S	170E	4300750158	18349 Federal	GW	P	PETERS POINT
PETERS POINT UF 16-25D-12-16	30	120S	170E	4300750159	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 9-25D-12-16	30	120S	170E	4300750160	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E	4300750171	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E	4300750173	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E	4300750174	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E	4300750175	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E	4300750176	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-9D-12-15	09	120S	150E	4300750195	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16-9D-12-15	09	120S	150E	4300750202	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8-14D-12-15	14	120S	150E	4300750216	18289 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15-14D-12-15	14	120S	150E	4300750221	18290 Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 7X-36D-12-16	36	120S	160E	4300750231	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 8-36D-12-16	36	120S	160E	4300750232	2470 Federal	GW	P	PETERS POINT
PETERS POINT ST 6-2D-13-16	02	130S	160E	4300731017	14472 State	D	PA	

UDOGM CHANGE OF OPERATOR WELL LIST

PTS 33-36 STATE	36	110S	140E	4301330486	6190 State	GW	PA	ARGYLE
PRICKLY PEAR U FED 10-4	10	120S	140E	4300730823	14462 Federal	GW	S	
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E	4300730860	14853 Fee	GW	S	
PRICKLY PEAR U ST 5-16	16	120S	150E	4300730943	14794 State	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E	4300730985	14771 Federal	GW	S	
PETERS POINT ST 8-2D-13-16	02	130S	160E	4300731016	14471 State	GW	S	
PPU FED 4-35D-12-15	35	120S	150E	4300731285	16223 Federal	GW	S	PRICKLY PEAR
PPU FED 5-36D-12-16	36	120S	160E	4300731350	2470 Federal	GW	S	PETERS POINT
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E	4300750103	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 13A-17D-12-15	20	120S	150E	4300750108	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E	4300750172	14794 Federal	GW	S	PRICKLY PEAR

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU79178
---	---

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: PETERS POINT 5-27D-12-16
-----------------------------	--

2. NAME OF OPERATOR: ENERVEST OPERATING, LLC	9. API NUMBER: 43007500930000
---	----------------------------------

3. ADDRESS OF OPERATOR: 1001 Fannin Street, Suite 800 , Houston, TX, 77002	PHONE NUMBER: 713 659-3500 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
---	-----------------------------------	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1251 FNL 1797 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 27 Township: 12.0S Range: 16.0E Meridian: S	COUNTY: CARBON  STATE: UTAH
--	---

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/15/2014  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

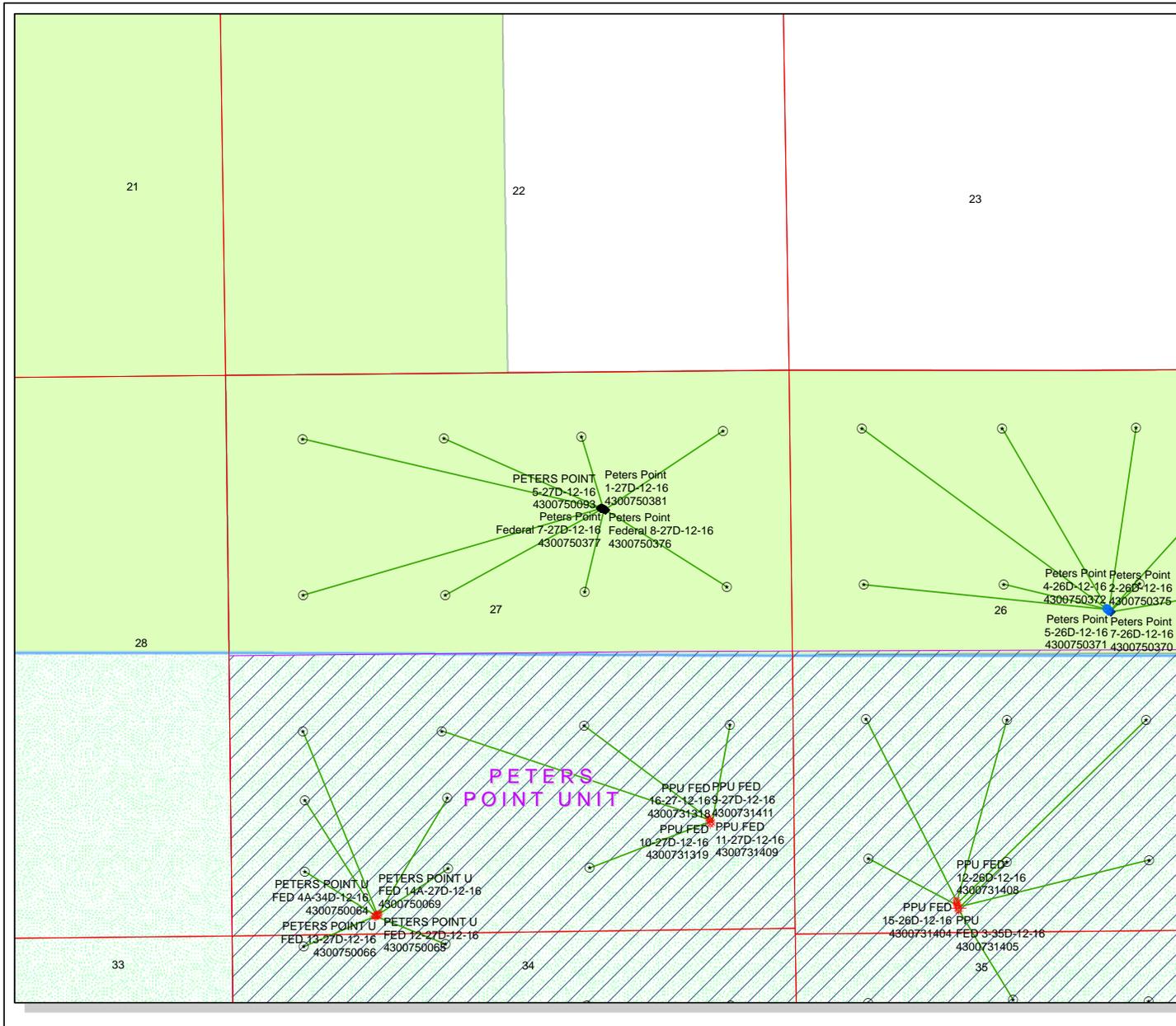
EnerVest Operating, LLC respectfully requests that the Horse Bench Federal 5-27D-12-16 (federal surface and mineral) approved APD be updated to include a revised surface location and that the well name be changed to the Peters Point 5-27D-12-16. Attached please find revised attachments reflecting the changes.

**Approved by the**  
**September 04, 2014**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: 

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 650-3866	TITLE Permitting Agent
SIGNATURE N/A	DATE 8/27/2014	



**API Number: 4300750093**

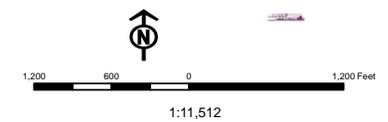
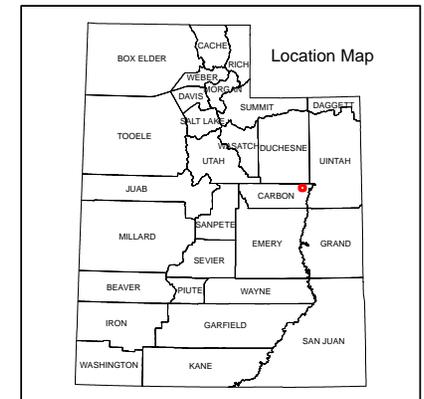
**Well Name: PETERS POINT 5-27D-12-16**

Township: T12.0S Range: R16.0E Section: 27 Meridian: S

Operator: ENERVEST OPERATING, LLC

Map Prepared: 8/29/2014  
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
◆	APD - Approved Permit	□	ACTIVE
○	DRL - Spudded (Drilling Commenced)	□	EXPLORATORY
⚡	GIW - Gas Injection	□	GAS STORAGE
⚙	GS - Gas Storage	□	NF PP OIL
⊕	LOC - New Location	□	NF SECONDARY
⊖	OPS - Operation Suspended	□	PI OIL
⊗	PA - Plugged Abandoned	□	PP GAS
⊘	PGW - Producing Gas Well	□	PP GEOTHERML
⊙	POW - Producing Oil Well	□	PP OIL
⊚	SGW - Shut-in Gas Well	□	SECONDARY
⊛	SOW - Shut-in Oil Well	□	TERMINATED
⊜	TA - Temp. Abandoned		
⊝	TW - Test Well	Fields	STATUS
⊞	WDW - Water Disposal	▨	Unknown
⊟	WW - Water Injection Well	▩	ABANDONED
⊠	WSW - Water Supply Well	▪	ACTIVE
		▫	COMBINED
		▬	INACTIVE
		▭	STORAGE
		▮	TERMINATED



Peters Point 5-27D-12-16

EnerVest Operating, LLC respectfully requests that the Horse Bench Federal 5-27D-12-16 (federal surface and mineral) approved APD be updated to include a revised surface location and that the well name be changed to the Peters Point 5-27D-12-16. The TVD will change from 7,600 to 7276' and the MD will change from 8500' to 8512'. Following are the locations along the intended well bore path:

NWNE, 1251' FNL, 1797' FEL, Sec. 27, T12S, R16E (surface)

SWNW, 2049' FNL, 704' FWL, Sec. 27, T12S, R16E (bottom)

Attached please find revised attachments reflecting the changes.

# T12S, R16E, S.L.B.&M.

ENERVEST OPERATING, LLC

1909 Brass Cap  
2.5' High, Pile  
of Stones

S89°04'42"W - 2648.07' (Meas.)

N88°37'51"W - 2706.42' (Meas.)

1909 Brass Cap, 1.6'  
High Pile of Stones,  
Bearing Tree

1909 Brass Cap, 1.6'  
High Pile of Stones

2049'

1251'

1797'

S74°06'59"W  
2948.13'

**PETERS POINT FEDERAL  
#5-27D-12-16**

Elev. Ungraded Ground = 6772'

27

1909 Brass Cap  
1.1' High

N00°31'29"W - 5298.42' (Meas.)

704'  
Target  
Bottom  
Hole

N00°05'19"W - 2639.26' (Meas.)

N00°04'06"E - 2614.45' (Meas.)

SW Cor.  
Sec. 28  
1909 Brass  
Cap 2' High,  
Pile of  
Stones

Section Corner  
Re-Established  
By Double  
Proportion Method

1909 Brass Cap  
2.5' High, Pile  
of Stones, Bearing  
Tree

S89°45'28"W - 5305.85' (Meas.)

LINE TABLE

LINE	BEARING	LENGTH
L1	N89°32'50"W	5307.30'
L2	N00°02'13"W	5298.20'

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE =	39°44'47.68" (39.746578)	LATITUDE =	39°44'55.63" (39.748786)
LONGITUDE =	110°07'02.74" (110.117428)	LONGITUDE =	110°06'26.44" (110.107344)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE =	39°44'47.81" (39.746614)	LATITUDE =	39°44'55.76" (39.748822)
LONGITUDE =	110°07'00.19" (110.116719)	LONGITUDE =	110°06'23.89" (110.106636)
STATE PLANE NAD 27		STATE PLANE NAD 27	
N: 517760.63	E: 2388928.45	N: 518609.19	E: 2391750.47

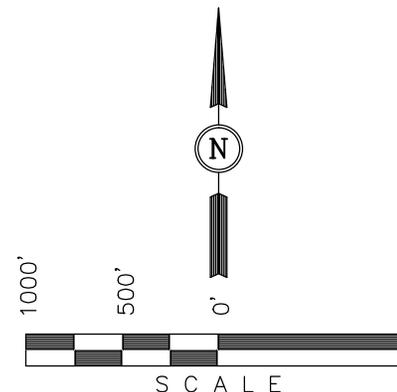
Well location, PETERS POINT FEDERAL  
#5-27D-12-16, located as shown in the NW 1/4  
NE 1/4 of Section 27, T12S, R16E, S.L.B.&M.,  
Carbon County, Utah.

BASIS OF ELEVATION

COTTON TRIANGULATION STATION LOCATED IN THE NW 1/4  
OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE  
TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY, 7.5  
MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE  
UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL  
SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.

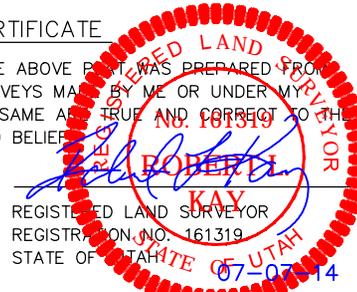
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

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



REV: 07-02-14 J.J.  
REVISED: 05-22-14  
REVISED: 05-07-14

**UNTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.
- = SECTION CORNERS RE-ESTABLISHED.  
(Not Set on Ground.)

SCALE 1" = 1000'	DATE SURVEYED: 09-10-10	DATE DRAWN: 09-20-10
PARTY T.A. C.A. C.C.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENERVEST OPERATING, LLC	

EnerVest Operating, LLC  
 Drilling Program  
 Peters Point 5-27D-12-16  
 Carbon County, Utah

## DRILLING PROGRAM

### ENERVEST OPERATING, LLC

#### Peters Point 5-27D-12-16

NWNE, 1251' FNL, 1797' FEL, Sec. 27, T12S-R16E (surface hole)  
 SWNW, 2049' FNL, 704' FWL, Sec. 27, T12S-R16E (bottom hole)  
 Carbon County, Utah

### 1 – 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Green River	Surface	Surface
Wasatch	3567'*	2866'*
North Horn	5999'*	4762'*
Dark Canyon	7641'*	6396'*
Price River	7871'*	6626'*
TD	8512'	7276'

**PROSPECTIVE PAY:** \*Wasatch, North Horn, Dark Canyon, and Price River are the primary objectives. All potentially productive hydrocarbon zones will be isolated with cement in the production casing annulus.

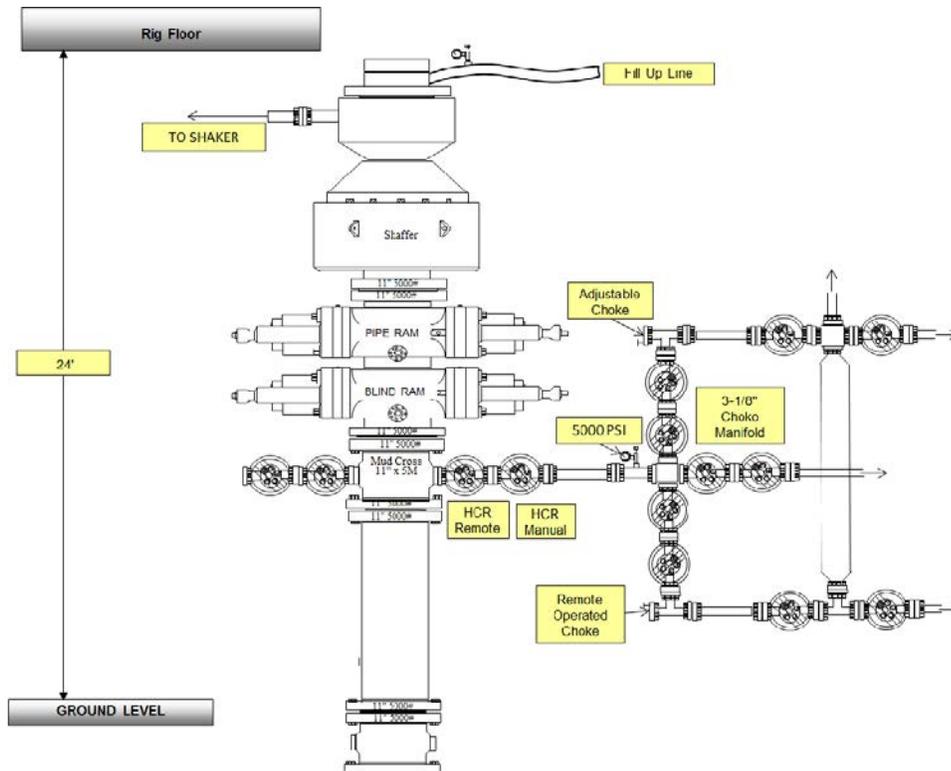
### 3. BOP, Wellhead, and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1100'	Diverter
1100' – TD	BOP Stack & Pressure Control <ul style="list-style-type: none"> <li>• 11" 5000# Ram Type BOP</li> <li>• 11" 5000# Annular BOP</li> <li>• 3-1/8" Choke Manifold</li> </ul> Accumulator <ul style="list-style-type: none"> <li>• Vetco Gray, MA060-11SB3</li> <li>• Main Reservoir Fluid Tank Size: 315</li> <li>• 2 Tri Plex Pumps</li> <li>• 2 backup Nitrogen Bottles</li> <li>• 9 Bottles @ 10 gal/bottle = 90 gal capacity Usable Fluid Volume = 44 gal</li> <li>• Precharge = 1000 psi, Minimum = 1200 psi, System = 2950 psi</li> <li>• Considering a Closing Volume Annular = 18.67 gal, Closing Volume Ram #1 = 2.8 gal, Closing Volume Ram #2 = 2.8 gal, Closing Volume HCR's = 1 gal, and Safety Factor = 1.5: Usable Fluid Required = 37.905 gal, Total Volume Required = 77 gal, Number of Bottles Required = 8 bottles</li> </ul>
	- Drilling spool to accommodate choke and kill lines;
	- Ancillary equipment and choke manifold rated at 5,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;
	- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.

EnerVest Operating, LLC  
 Drilling Program  
 Peters Point 5-27D-12-16  
 Carbon County, Utah

- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.

**Wellhead Information**



**4. Casing Program**

<u>Hole Size</u>	<u>Setting Depth</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>	<u>Burst psi</u>	<u>Collapse psi</u>	<u>Tension lbs</u>
	<u>From</u>	<u>To</u>								
24"	Surface	40'	14"	65#						
12 1/4"	Surface	1100'	9 5/8"	36#	J or K 55	ST&C	New	3,520	2,020	394,000*
8 3/4"	Surface	TD'	4 1/2"	13.5#	P-110	Patriot TC	New	12,410**	10,670**	422,000**

Centralizer Program: Surface – centralizer every 3<sup>rd</sup> joint. Production – every 2<sup>nd</sup> joint in the curves and tangent, every 3<sup>rd</sup> joint in the vertical sections

\* STC Tension rating (394,000 lbs) is lower than pipe body rating (564,000 lbs) and is used in design factor calculation

\*\* Patriot TC is a 100% rated connection in Burst, Collapse, and Tension (pipe body rating = connection rating)

<u>Casing Size</u>	<u>API Burst DF</u>	<u>API Collapse DF</u>	<u>API Tension DF</u>	<u>Load DF, Burst</u>	<u>Load DF, Collapse</u>	<u>Load DF, Tension</u>
9 5/8"	1.2	1.1	1.6	6.5	3.7	9.9
4 1/2"	1.2	1.1	1.6	1.4	3.0	2.9

EnerVest Operating, LLC  
 Drilling Program  
 Peters Point 5-27D-12-16  
 Carbon County, Utah

**Load Cases**

9-5/8" Burst: 9.5 ppg inside, vacuum outside  
 9-5/8" Collapse: Vacuum inside, 9.5 ppg outside  
 9-5/8" Tension: Hanging weight, no buoyancy

4-1/2" Burst: 8.33 ppg frac fluid + frac pressure at screenout, 8.33 ppg outside  
 4-1/2" Collapse: Vacuum inside, 9.5 ppg outside  
 4-1/2" Tension: Frac pressure at screenout, no buoyancy

**Casing Testing Procedure**

Surface casing will be tested to 1500 psi for 30 minutes with BOP testers. Casing will be tested subsequent to performing BOP, choke, and surface valve tests.

Production casing will be tested to .22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

**5. Cementing Program**

14" Conductor Casing	Grout cement
9 5/8" Surface Casing	<p><i>Lead</i> with approximately 240 sx Varicem cement, 14.24 gal/sk Fresh Water, 2% BWOC Cal-Seal 60, 0.35% BWOC Versaset (PB), 0.3% BWOC D-Air 5000, 6% BWOW NaCl, 2.5% BWOC Econolite (Powder-PB), mixed at 12.0 ppg (yield = 1.70 ft<sup>3</sup>/sx). Calculated TOC = 0' (800' Fill), 100% Excess</p> <p><i>Tail</i> with approximately and 200 sx Halcem cement, 5.02 gal/sk Fresh Water, 1% BWOW NaCl, mixed at 15.8 ppg (yield = 1.15 ft<sup>3</sup>/sx). Calculated TOC = 800' (300' Fill), 100% Excess</p>
4 1/2" Production Casing	<p><i>Lead</i> with approximately 540 sx Econocem, 10.31 gal/sk Fresh Water, 0.7% BWOC HR-5 (PB), 0.125 lb/sk Pol-E-Flake, mixed at 12.5 ppg (yield = 2.08 ft<sup>3</sup>/sk). Calculated TOC = 800' (3309' Fill), 10% Excess</p> <p><i>Tail</i> with approximately 1025 sx Expandacem, 6.93 gal/sk Fresh Water, 0.125 lb/sk Pol-E-Flake, 1 lb/sk Granulite TR 1/4, 0.1% BWOC HR-5 (PB), mixed at 13.4 ppg (yield = 1.46 ft<sup>3</sup>/sk). Calculated TOC = 4109' (4403' Fill), 10% Excess</p>

**6. Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0 – 40'	8.3 – 8.6	27 – 40	--	Native Spud Mud
40' – 1100'	--	--	--	Air Drilling
1100' – TD	8.6 – 9.5	38 – 46	15 cc or less	LSND

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. EV may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag in the production hole only.

Surface casing will be drilled with air. If water is encountered, EV will mud up conventionally

EnerVest Operating, LLC  
 Drilling Program  
 Peters Point 5-27D-12-16  
 Carbon County, Utah

with fresh water mud. Diesel will only be used in the production hole, particularly if there are high angle tangents or sloughing shale (maximum diesel of 3-5%). However, Gilsonite mud additives are the preferred method of controlling sloughing shale and diesel additions will be avoided if possible.

**7. Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips, slope only;
Logging	ACRT-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Loss circulation is a concern while drilling to surface casing point, but air drilling should help mitigate the issue. The second zone of loss concern is the Wasatch, to which an LCM program of Cotton Seed Hulls and Cedar Fiber sweeps will be applied if losses are encountered.

Maximum anticipated bottom hole pressure equals approximately 4270 psi\* and maximum anticipated surface pressure equals approximately 2370 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TVD = A (bottom hole pressure)

\*\*Maximum surface pressure = A - (0.22 x TVD)

**9. Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

**10. Drilling Schedule**

Location Construction: Constructed  
 Spud: 11/1/2014  
 Duration: 10 days drilling time  
 15 days completion time

**Other -Onshore Variances Requested**

Use of EFM and Flow Conditioner (Onshore Order No. 5)

Use of an electronic flow meter (EFM) for gas measurement purposes is requested with this application.

Use of a flow conditioner is also being requested (versus straightening vanes). Flow conditioners have been proven to be as or more effective than straightening vanes in conditioning gas for measurement. In addition to their superior conditioning properties, they take up less space (shorter meter runs/smaller footprint), and are less prone to corrosion and dislodging (greater reliability). In the past EV has experienced straightening vanes becoming dislodged in normal service and compromising their conditioning effectiveness.

Make/Model: CPA 50E

Dimensions: 2" or 3" Flanged conditioners - 16" minimum up to 3 1/2' long x 2" (ID 2.067) OR 24" minimum up to 3 1/2' long x 3" (ID 3.068)

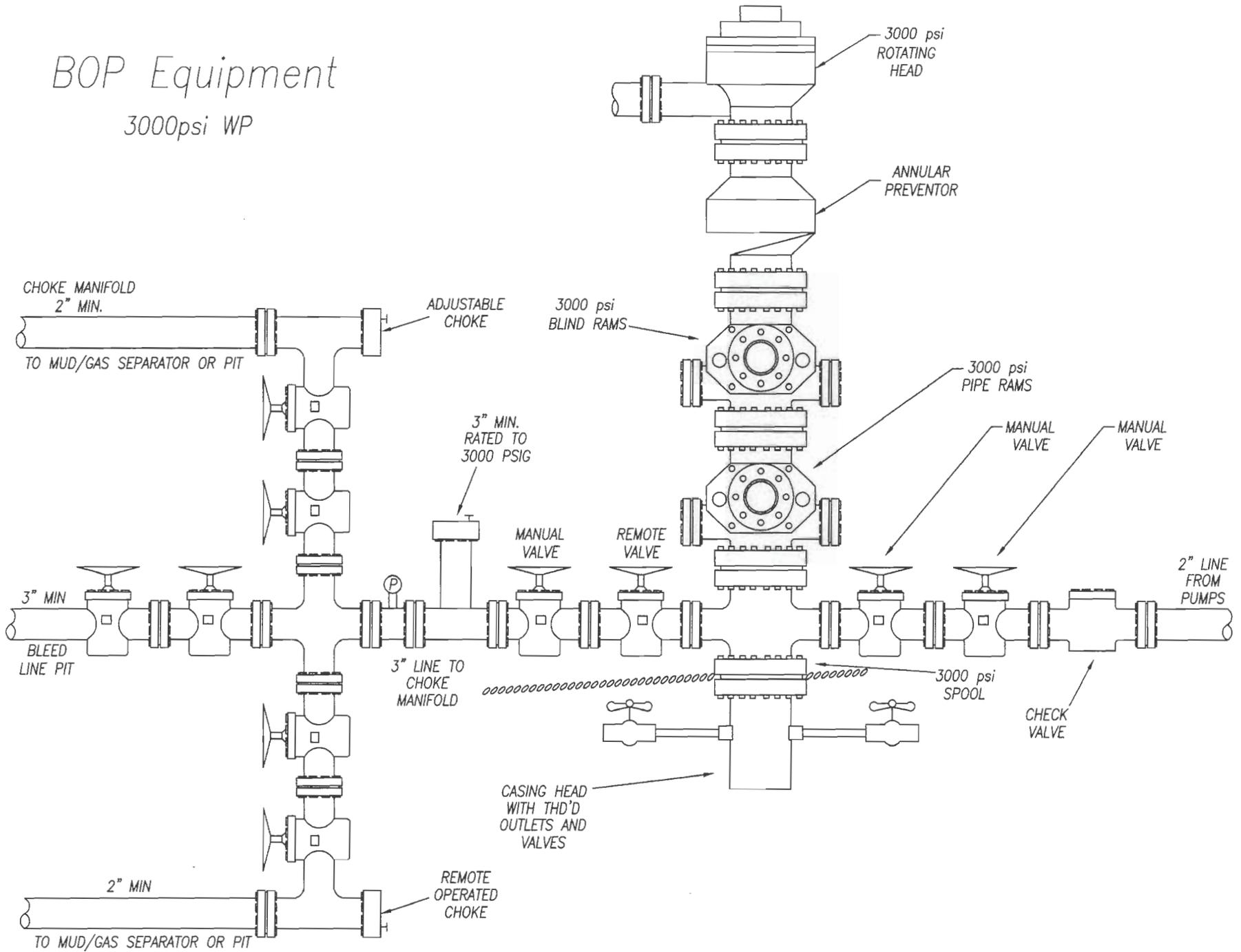
Air Drilling (Onshore Order No. 2)

Air drilling operations will be conducted with the purpose of drilling and setting surface casing with the drilling rig for all Federal wells located at this pad. Surface casing is approximately 1100'. EV will comply with the following surface air drilling operation requirements:

1. Properly lubricated and maintained diverter system in place of a rotating head. The diverter system forces air and cutting returns to the cuttings pit and is used solely to drill the surface hole. In addition, EV will use a properly lubricated and maintained rotating head in compliance with OOG No. 2.
2. The Blooie line will discharge at least 100 feet from the wellbore and will be securely anchored.
3. An automatic igniter or continuous pilot light will be installed at the end of the blooie line.
4. Compressors that supply energy to drill the air filled surface hole will be located 100' away from the wellbore and on the opposite side of the blooie line. The compressors will be equipped with 1) emergency kill switch, 2) pressure relief valves 3) spark arresters on the motors.

# BOP Equipment

3000psi WP



# EnerVest Operating LLC

Carbon County, UT NAD27

Peters Point NE 27 Pad

Peters Point UF 5-27D-12-16 - Slot E

OH

Plan: Plan #2

## Standard Planning Report

25 July, 2014



[www.scientificdrilling.com](http://www.scientificdrilling.com)

## Planning Report



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Company:</b>	EnerVest Operating LLC	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Project:</b>	Carbon County, UT NAD27	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site:</b>	Peters Point NE 27 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

<b>Project</b>	Carbon County, UT NAD27		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Peters Point NE 27 Pad				
<b>Site Position:</b>		<b>Northing:</b>	518,596.16 usft	<b>Latitude:</b>	39° 44' 55.630 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,391,779.95 usft	<b>Longitude:</b>	110° 6' 23.519 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	0.89 °

<b>Well</b>	Peters Point UF 5-27D-12-16 - Slot E					
<b>Well Position</b>	<b>+N/-S</b>	13.09 ft	<b>Northing:</b>	518,608.80 usft	<b>Latitude:</b>	39° 44' 55.759 N
	<b>+E/-W</b>	-28.96 ft	<b>Easting:</b>	2,391,750.79 usft	<b>Longitude:</b>	110° 6' 23.890 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	0.00 ft	<b>Ground Level:</b>	6,772.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2014	5/29/2014	11.02	65.47	51,695

<b>Design</b>	Plan #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	254.17

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	3.00	240.00	199.95	-1.31	-2.27	3.00	3.00	0.00	240.00	
250.00	5.00	240.00	249.83	-3.05	-5.29	4.00	4.00	0.00	0.00	
1,100.00	5.00	240.00	1,096.60	-40.09	-69.44	0.00	0.00	0.00	0.00	
2,581.36	56.67	254.92	2,326.54	-247.79	-771.44	3.50	3.49	1.01	15.87	
4,109.63	56.67	254.92	3,166.30	-580.10	-2,004.32	0.00	0.00	0.00	0.00	
5,998.58	0.00	0.00	4,762.00	-804.03	-2,835.09	3.00	-3.00	0.00	180.00	PP 5-27D-12-16 Targ
8,512.58	0.00	0.00	7,276.00	-804.03	-2,835.09	0.00	0.00	0.00	0.00	

Planning Report



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Company:</b>	EnerVest Operating LLC	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Project:</b>	Carbon County, UT NAD27	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site:</b>	Peters Point NE 27 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	3.00	240.00	199.95	-1.31	-2.27	2.54	3.00	3.00	0.00
250.00	5.00	240.00	249.83	-3.05	-5.29	5.92	4.00	4.00	0.00
300.00	5.00	240.00	299.64	-5.23	-9.06	10.14	0.00	0.00	0.00
400.00	5.00	240.00	399.26	-9.59	-16.61	18.60	0.00	0.00	0.00
500.00	5.00	240.00	498.88	-13.95	-24.16	27.05	0.00	0.00	0.00
600.00	5.00	240.00	598.50	-18.30	-31.70	35.50	0.00	0.00	0.00
700.00	5.00	240.00	698.12	-22.66	-39.25	43.95	0.00	0.00	0.00
800.00	5.00	240.00	797.74	-27.02	-46.80	52.40	0.00	0.00	0.00
900.00	5.00	240.00	897.36	-31.38	-54.35	60.85	0.00	0.00	0.00
1,000.00	5.00	240.00	996.98	-35.74	-61.90	69.30	0.00	0.00	0.00
1,100.00	5.00	240.00	1,096.60	-40.09	-69.44	77.75	0.00	0.00	0.00
1,200.00	8.42	246.55	1,195.90	-45.19	-79.94	89.24	3.50	3.42	6.55
1,300.00	11.89	249.31	1,294.32	-51.74	-96.30	106.76	3.50	3.47	2.76
1,400.00	15.37	250.84	1,391.49	-59.74	-118.46	130.26	3.50	3.48	1.53
1,500.00	18.86	251.81	1,487.04	-69.13	-146.34	159.65	3.50	3.49	0.97
1,600.00	22.35	252.49	1,580.63	-79.90	-179.83	194.81	3.50	3.49	0.68
1,700.00	25.84	252.99	1,671.90	-92.00	-218.82	235.62	3.50	3.49	0.50
1,800.00	29.34	253.38	1,760.52	-105.39	-263.15	281.92	3.50	3.50	0.39
1,900.00	32.84	253.70	1,846.14	-120.01	-312.67	333.55	3.50	3.50	0.31
2,000.00	36.33	253.96	1,928.46	-135.81	-367.17	390.30	3.50	3.50	0.26
2,100.00	39.83	254.18	2,007.16	-152.74	-426.47	451.97	3.50	3.50	0.22
2,200.00	43.33	254.37	2,081.95	-170.72	-490.34	518.32	3.50	3.50	0.19
2,300.00	46.83	254.53	2,152.56	-189.70	-558.55	589.11	3.50	3.50	0.17
2,400.00	50.32	254.68	2,218.71	-209.60	-630.83	664.08	3.50	3.50	0.15
2,500.00	53.82	254.81	2,280.17	-230.34	-706.92	742.94	3.50	3.50	0.13
2,581.36	56.67	254.92	2,326.54	-247.79	-771.44	809.77	3.50	3.50	0.12
2,600.00	56.67	254.92	2,336.79	-251.85	-786.48	825.35	0.00	0.00	0.00
2,700.00	56.67	254.92	2,391.74	-273.59	-867.15	908.89	0.00	0.00	0.00
2,800.00	56.67	254.92	2,446.68	-295.34	-947.82	992.44	0.00	0.00	0.00
2,900.00	56.67	254.92	2,501.63	-317.08	-1,028.49	1,075.98	0.00	0.00	0.00
3,000.00	56.67	254.92	2,556.58	-338.82	-1,109.16	1,159.52	0.00	0.00	0.00
3,100.00	56.67	254.92	2,611.53	-360.57	-1,189.83	1,243.07	0.00	0.00	0.00
3,200.00	56.67	254.92	2,666.48	-382.31	-1,270.50	1,326.61	0.00	0.00	0.00
3,300.00	56.67	254.92	2,721.42	-404.06	-1,351.18	1,410.15	0.00	0.00	0.00
3,400.00	56.67	254.92	2,776.37	-425.80	-1,431.85	1,493.70	0.00	0.00	0.00
3,500.00	56.67	254.92	2,831.32	-447.54	-1,512.52	1,577.24	0.00	0.00	0.00
3,600.00	56.67	254.92	2,886.27	-469.29	-1,593.19	1,660.78	0.00	0.00	0.00
3,700.00	56.67	254.92	2,941.22	-491.03	-1,673.86	1,744.33	0.00	0.00	0.00
3,800.00	56.67	254.92	2,996.17	-512.78	-1,754.53	1,827.87	0.00	0.00	0.00
3,900.00	56.67	254.92	3,051.11	-534.52	-1,835.21	1,911.41	0.00	0.00	0.00
4,000.00	56.67	254.92	3,106.06	-556.26	-1,915.88	1,994.96	0.00	0.00	0.00
4,100.00	56.67	254.92	3,161.01	-578.01	-1,996.55	2,078.50	0.00	0.00	0.00
4,109.63	56.67	254.92	3,166.30	-580.10	-2,004.32	2,086.55	0.00	0.00	0.00
4,200.00	53.96	254.92	3,217.73	-599.44	-2,076.06	2,160.84	3.00	-3.00	0.00
4,300.00	50.96	254.92	3,278.65	-620.07	-2,152.61	2,240.12	3.00	-3.00	0.00
4,400.00	47.96	254.92	3,343.65	-639.85	-2,225.97	2,316.09	3.00	-3.00	0.00
4,500.00	44.96	254.92	3,412.53	-658.71	-2,295.95	2,388.57	3.00	-3.00	0.00
4,600.00	41.96	254.92	3,485.11	-676.61	-2,362.36	2,457.33	3.00	-3.00	0.00
4,700.00	38.96	254.92	3,561.19	-693.49	-2,425.00	2,522.21	3.00	-3.00	0.00
4,800.00	35.96	254.92	3,640.56	-709.32	-2,483.72	2,583.01	3.00	-3.00	0.00
4,900.00	32.96	254.92	3,723.01	-724.04	-2,538.34	2,639.58	3.00	-3.00	0.00
5,000.00	29.96	254.92	3,808.30	-737.62	-2,588.72	2,691.76	3.00	-3.00	0.00

## Planning Report



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Company:</b>	EnerVest Operating LLC	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Project:</b>	Carbon County, UT NAD27	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site:</b>	Peters Point NE 27 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,100.00	26.96	254.92	3,896.21	-750.02	-2,634.73	2,739.40	3.00	-3.00	0.00	
5,200.00	23.96	254.92	3,986.49	-761.21	-2,676.22	2,782.37	3.00	-3.00	0.00	
5,300.00	20.96	254.92	4,078.89	-771.15	-2,713.10	2,820.57	3.00	-3.00	0.00	
5,400.00	17.96	254.92	4,173.17	-779.82	-2,745.26	2,853.87	3.00	-3.00	0.00	
5,500.00	14.96	254.92	4,269.06	-787.19	-2,772.61	2,882.19	3.00	-3.00	0.00	
5,600.00	11.96	254.92	4,366.31	-793.24	-2,795.08	2,905.46	3.00	-3.00	0.00	
5,700.00	8.96	254.92	4,464.63	-797.97	-2,812.60	2,923.61	3.00	-3.00	0.00	
5,800.00	5.96	254.92	4,563.78	-801.34	-2,825.13	2,936.59	3.00	-3.00	0.00	
5,900.00	2.96	254.92	4,663.46	-803.37	-2,832.64	2,944.36	3.00	-3.00	0.00	
5,998.58	0.00	0.00	4,762.00	-804.03	-2,835.09	2,946.90	3.00	-3.00	0.00	
<b>PP 5-27D-12-16 Target</b>										
6,000.00	0.00	0.00	4,763.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,100.00	0.00	0.00	4,863.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,200.00	0.00	0.00	4,963.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,300.00	0.00	0.00	5,063.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,400.00	0.00	0.00	5,163.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,500.00	0.00	0.00	5,263.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,600.00	0.00	0.00	5,363.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,700.00	0.00	0.00	5,463.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,800.00	0.00	0.00	5,563.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
6,900.00	0.00	0.00	5,663.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,000.00	0.00	0.00	5,763.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,100.00	0.00	0.00	5,863.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,200.00	0.00	0.00	5,963.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,300.00	0.00	0.00	6,063.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,400.00	0.00	0.00	6,163.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,500.00	0.00	0.00	6,263.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,600.00	0.00	0.00	6,363.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,700.00	0.00	0.00	6,463.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,800.00	0.00	0.00	6,563.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
7,900.00	0.00	0.00	6,663.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
8,000.00	0.00	0.00	6,763.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
8,100.00	0.00	0.00	6,863.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
8,200.00	0.00	0.00	6,963.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
8,300.00	0.00	0.00	7,063.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
8,400.00	0.00	0.00	7,163.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
8,500.00	0.00	0.00	7,263.42	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	
8,512.58	0.00	0.00	7,276.00	-804.03	-2,835.09	2,946.90	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
PP 5-27D-12-16 Target - hit/miss target - Shape - plan hits target center - Circle (radius 25.00)	0.00	0.00	4,762.00	-804.03	-2,835.09	517,760.70	2,388,928.57	39° 44' 47.810 N	110° 7' 0.188 W	

# **EnerVest Operating LLC**

**Carbon County, UT NAD27  
Peters Point NE 27 Pad  
Peters Point UF 5-27D-12-16**

**OH  
Plan #2**

## **Anticollision Report**

**25 July, 2014**



[www.scientificdrilling.com](http://www.scientificdrilling.com)

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #2		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.00ft	<b>Error Model:</b>	Systematic Ellipse
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 2,210.21 ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	Date	7/25/2014		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	8,512.58	Plan #2 (OH)	MWD SDI	MWD - Standard ver 1.0.1

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
Peters Point NE 27 Pad						
Peters Point UF 1-27D-12-16 - OH - Plan #2	100.00	100.00	31.79	31.62	186.101	CC, ES
Peters Point UF 1-27D-12-16 - OH - Plan #2	1,100.00	1,090.45	147.13	142.43	31.334	SF
Peters Point UF 2-27D-12-16 - OH - Plan #2	100.00	100.00	15.22	15.05	89.092	CC, ES
Peters Point UF 2-27D-12-16 - OH - Plan #2	300.00	299.57	23.31	22.24	21.781	SF
Peters Point UF 3-27D-12-16 - OH - Plan #2	100.00	100.00	16.59	16.42	97.100	CC
Peters Point UF 3-27D-12-16 - OH - Plan #2	200.00	199.40	16.96	16.35	27.935	ES
Peters Point UF 3-27D-12-16 - OH - Plan #2	500.00	497.86	34.24	32.17	16.539	SF
Peters Point UF 4-27D-12-16 - OH - Plan #2	100.00	100.00	8.83	8.66	51.713	CC, ES
Peters Point UF 4-27D-12-16 - OH - Plan #2	1,100.00	1,098.39	47.51	42.03	8.667	SF
Peters Point UF 6-27D-12-16 - OH - Plan #2	100.00	100.00	7.61	7.44	44.546	CC, ES
Peters Point UF 6-27D-12-16 - OH - Plan #2	1,100.00	1,099.19	48.81	43.85	9.848	SF
Peters Point UF 7-27D-12-16 - OH - Plan #2	100.00	100.00	24.19	24.02	141.585	CC, ES
Peters Point UF 7-27D-12-16 - OH - Plan #2	1,100.00	1,099.04	68.27	63.23	13.557	SF
Peters Point UF 8-27D-12-16 - OH - Plan #2	100.00	100.00	39.40	39.23	230.629	CC, ES
Peters Point UF 8-27D-12-16 - OH - Plan #2	1,100.00	1,092.72	137.00	132.06	27.779	SF

Offset Design													Offset Site Error:	0.00 ft	
Peters Point NE 27 Pad - Peters Point UF 1-27D-12-16 - OH - Plan #2													Offset Well Error:		0.00 ft
Survey Program: 0-MWD SDI															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
0.00	0.00	0.00	0.00	0.00	0.00	114.36	-13.11	28.96	31.79	31.62	0.17	186.101	CC, ES		
100.00	100.00	100.00	100.00	0.09	0.09	114.36	-13.11	28.96	31.79	31.62	0.17	186.101	CC, ES		
200.00	199.95	199.35	199.33	0.30	0.31	-131.73	-12.00	30.28	34.26	33.66	0.61	56.319			
300.00	299.64	298.18	298.04	0.55	0.54	-144.82	-8.97	33.90	43.15	42.08	1.07	40.365			
400.00	399.26	397.21	396.94	0.82	0.77	-153.97	-5.64	37.87	54.67	53.15	1.52	35.861			
500.00	498.88	496.24	495.84	1.10	1.01	-159.86	-2.30	41.84	67.09	65.11	1.98	33.927			
600.00	598.50	595.28	594.73	1.37	1.25	-163.88	1.03	45.81	79.98	77.55	2.43	32.920			
700.00	698.12	694.31	693.63	1.65	1.49	-166.78	4.36	49.78	93.15	90.27	2.88	32.324			
800.00	797.74	793.34	792.53	1.93	1.73	-168.96	7.69	53.75	106.50	103.17	3.33	31.939			
900.00	897.36	892.38	891.43	2.21	1.97	-170.65	11.02	57.72	119.97	116.18	3.79	31.673			
1,000.00	996.98	991.41	990.33	2.49	2.21	-172.00	14.35	61.69	133.52	129.28	4.24	31.480			
1,100.00	1,096.60	1,090.45	1,089.22	2.77	2.45	-173.10	17.69	65.66	147.13	142.43	4.70	31.334	SF		
1,200.00	1,195.90	1,181.94	1,180.48	3.09	2.69	-179.61	21.46	70.94	165.66	160.55	5.11	32.391			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Peters Point NE 27 Pad - Peters Point UF 1-27D-12-16 - OH - Plan #2														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
1,300.00	1,294.32	1,269.41	1,267.35	3.46	2.94	176.50	26.68	79.71	194.57	189.05	5.52	35.264		
1,400.00	1,391.49	1,352.31	1,349.16	3.92	3.21	174.87	33.08	91.38	233.32	227.42	5.90	39.545		
1,500.00	1,487.04	1,429.63	1,424.89	4.46	3.49	173.90	40.32	105.20	281.27	275.01	6.26	44.941		
1,600.00	1,580.63	1,500.00	1,493.21	5.10	3.78	173.24	47.95	120.21	337.66	331.07	6.59	51.241		
1,700.00	1,671.90	1,564.98	1,555.71	5.86	4.09	172.71	55.88	136.11	401.68	394.78	6.90	58.199		
1,800.00	1,760.52	1,622.37	1,610.38	6.73	4.38	172.19	63.57	151.78	472.50	465.31	7.19	65.703		
1,900.00	1,846.14	1,672.83	1,658.00	7.72	4.67	171.61	70.87	166.79	549.29	541.82	7.47	73.559		
2,000.00	1,928.46	1,718.66	1,700.84	8.84	4.94	170.94	77.93	181.43	631.24	623.49	7.74	81.509		
2,100.00	2,007.16	1,766.82	1,745.68	10.08	5.24	170.22	85.55	197.31	717.12	709.08	8.04	89.228		
2,200.00	2,081.95	1,812.53	1,788.22	11.45	5.54	169.35	92.79	212.38	805.94	797.58	8.36	96.457		
2,300.00	2,152.56	1,852.76	1,825.66	12.94	5.80	168.20	99.16	225.64	897.36	888.63	8.73	102.780		
2,400.00	2,218.71	1,887.35	1,857.85	14.54	6.03	166.60	104.64	237.04	991.04	981.82	9.22	107.519		
2,500.00	2,280.17	1,916.18	1,884.68	16.26	6.23	164.25	109.21	246.54	1,086.64	1,076.70	9.94	109.332		
2,600.00	2,336.79	1,939.24	1,906.15	18.08	6.38	161.60	112.86	254.15	1,183.79	1,172.80	10.99	107.745		
2,700.00	2,391.74	1,960.35	1,925.79	19.95	6.52	162.66	116.20	261.10	1,281.40	1,269.84	11.56	110.828		
2,800.00	2,446.68	1,981.45	1,945.43	21.83	6.67	163.58	119.54	268.06	1,379.04	1,366.89	12.15	113.547		
2,900.00	2,501.63	2,002.56	1,965.08	23.72	6.81	164.39	122.89	275.02	1,476.68	1,463.95	12.73	115.955		
3,000.00	2,556.58	2,023.66	1,984.72	25.62	6.96	165.09	126.23	281.98	1,574.35	1,561.01	13.33	118.083		
3,100.00	2,611.53	2,044.76	2,004.36	27.52	7.10	165.72	129.57	288.93	1,672.02	1,658.08	13.93	119.989		
3,200.00	2,666.48	2,065.87	2,024.00	29.43	7.25	166.28	132.91	295.89	1,769.70	1,755.15	14.54	121.704		
3,300.00	2,721.42	2,086.97	2,043.65	31.35	7.39	166.78	136.26	302.85	1,867.38	1,852.23	15.15	123.254		
3,400.00	2,776.37	2,108.08	2,063.29	33.27	7.54	167.24	139.60	309.80	1,965.07	1,949.31	15.76	124.655		
3,500.00	2,831.32	2,129.18	2,082.93	35.19	7.69	167.65	142.94	316.76	2,062.77	2,046.39	16.38	125.919		
3,600.00	2,886.27	2,150.29	2,102.57	37.11	7.83	168.03	146.28	323.72	2,160.47	2,143.47	17.00	127.074		

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	112.52	-5.83	14.06	15.22					
100.00	100.00	100.00	100.00	0.09	0.09	112.52	-5.83	14.06	15.22	15.05	0.17	89.092	CC, ES	
200.00	199.95	200.12	200.10	0.30	0.31	-140.24	-4.09	13.91	16.41	15.80	0.61	26.809		
300.00	299.64	299.57	299.43	0.55	0.54	-164.59	0.67	13.49	23.31	22.24	1.07	21.781	SF	
400.00	399.26	398.86	398.59	0.82	0.78	-177.49	5.84	13.04	33.43	31.90	1.53	21.884		
500.00	498.88	498.15	497.74	1.10	1.02	175.78	11.02	12.58	44.44	42.45	1.99	22.350		
600.00	598.50	596.95	596.24	1.37	1.27	169.26	18.30	10.91	56.22	53.76	2.46	22.824		
700.00	698.12	695.15	693.71	1.65	1.55	161.26	29.62	6.89	69.87	66.90	2.97	23.514		
800.00	797.74	793.70	791.38	1.93	1.85	155.26	41.88	2.34	84.87	81.37	3.49	24.289		
900.00	897.36	892.24	889.05	2.21	2.16	151.08	54.14	-2.21	100.50	96.48	4.02	25.012		
1,000.00	996.98	990.79	986.73	2.49	2.48	148.03	66.40	-6.76	116.52	111.97	4.54	25.648		
1,100.00	1,096.60	1,089.33	1,084.40	2.77	2.79	145.72	78.66	-11.32	132.78	127.71	5.07	26.201		
1,200.00	1,195.90	1,187.61	1,181.81	3.09	3.11	137.83	90.88	-15.85	151.06	145.47	5.59	27.019		
1,300.00	1,294.32	1,285.10	1,278.43	3.46	3.42	135.44	103.01	-20.36	173.11	166.97	6.14	28.182		
1,400.00	1,391.49	1,381.44	1,373.92	3.92	3.74	135.35	114.99	-24.81	199.02	192.30	6.72	29.609		
1,500.00	1,487.04	1,476.27	1,467.91	4.46	4.05	136.39	126.79	-29.19	229.08	221.75	7.32	31.282		
1,600.00	1,580.63	1,569.24	1,560.06	5.10	4.35	137.96	138.35	-33.48	263.59	255.65	7.94	33.191		
1,700.00	1,671.90	1,660.00	1,650.02	5.86	4.65	139.70	149.65	-37.67	302.80	294.23	8.57	35.321		
1,800.00	1,760.52	1,748.21	1,737.45	6.73	4.93	141.40	160.62	-41.75	346.86	337.65	9.21	37.643		
1,900.00	1,846.14	1,833.54	1,822.03	7.72	5.21	142.94	171.23	-45.69	395.83	385.96	9.87	40.117		
2,000.00	1,928.46	1,915.68	1,903.44	8.84	5.48	144.27	181.45	-49.48	449.68	439.15	10.53	42.692		
2,100.00	2,007.16	1,994.32	1,981.39	10.08	5.74	145.34	191.23	-53.11	508.31	497.09	11.22	45.309		
2,200.00	2,081.95	2,069.17	2,055.57	11.45	5.99	146.13	200.54	-56.57	571.57	559.64	11.93	47.893		
2,300.00	2,152.56	2,139.94	2,125.71	12.94	6.22	146.64	209.35	-59.84	639.27	626.58	12.69	50.362		
2,400.00	2,218.71	2,206.37	2,191.56	14.54	6.44	146.83	217.61	-62.91	711.18	697.67	13.52	52.617		
2,500.00	2,280.17	2,268.22	2,252.86	16.26	6.64	146.69	225.30	-65.76	787.05	772.62	14.43	54.543		
2,600.00	2,336.79	2,325.33	2,309.47	18.08	6.83	146.71	232.41	-68.40	866.54	851.13	15.41	56.238		
2,700.00	2,391.74	2,380.82	2,364.46	19.95	7.01	148.66	239.31	-70.96	947.48	931.31	16.17	58.598		
2,800.00	2,446.68	2,436.30	2,419.46	21.83	7.19	150.34	246.21	-73.53	1,028.79	1,011.86	16.93	60.778		
2,900.00	2,501.63	2,491.78	2,474.45	23.72	7.37	151.78	253.12	-76.09	1,110.37	1,092.69	17.68	62.793		
3,000.00	2,556.58	2,547.27	2,529.44	25.62	7.56	153.05	260.02	-78.65	1,192.18	1,173.74	18.44	64.655		
3,100.00	2,611.53	2,602.75	2,584.43	27.52	7.74	154.16	266.92	-81.21	1,274.17	1,254.98	19.20	66.380		
3,200.00	2,666.48	2,658.23	2,639.43	29.43	7.92	155.14	273.82	-83.78	1,356.31	1,336.35	19.95	67.978		
3,300.00	2,721.42	2,713.72	2,694.42	31.35	8.10	156.02	280.72	-86.34	1,438.56	1,417.85	20.71	69.462		
3,400.00	2,776.37	2,769.20	2,749.41	33.27	8.29	156.81	287.62	-88.90	1,520.92	1,499.45	21.47	70.841		
3,500.00	2,831.32	2,824.68	2,804.40	35.19	8.47	157.52	294.53	-91.46	1,603.37	1,581.14	22.23	72.126		
3,600.00	2,886.27	2,880.17	2,859.40	37.11	8.65	158.16	301.43	-94.03	1,685.89	1,662.90	22.99	73.324		
3,700.00	2,941.22	2,935.65	2,914.39	39.04	8.83	158.74	308.33	-96.59	1,768.47	1,744.72	23.76	74.443		
3,800.00	2,996.17	2,991.13	2,969.38	40.97	9.02	159.27	315.23	-99.15	1,851.11	1,826.59	24.52	75.490		
3,900.00	3,051.11	3,046.62	3,024.38	42.90	9.20	159.76	322.13	-101.71	1,933.80	1,908.51	25.29	76.470		
4,000.00	3,106.06	3,102.10	3,079.37	44.83	9.38	160.21	329.04	-104.28	2,016.52	1,990.47	26.06	77.390		
4,100.00	3,161.01	3,157.58	3,134.36	46.76	9.57	160.63	335.94	-106.84	2,099.29	2,072.46	26.83	78.254		
4,200.00	3,217.73	3,214.80	3,191.08	48.59	9.75	162.20	343.06	-109.48	2,180.92	2,153.57	27.36	79.726		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-63.95	7.29	-14.90	16.59					
100.00	100.00	100.00	100.00	0.09	0.09	-63.95	7.29	-14.90	16.59	16.42	0.17	97.100	CC	
109.59	109.59	109.54	109.54	0.11	0.11	56.14	7.30	-14.91	16.59	16.38	0.21	77.996		
200.00	199.95	199.40	199.38	0.30	0.31	65.75	8.61	-16.01	16.96	16.35	0.61	27.935	ES	
300.00	299.64	298.74	298.60	0.55	0.54	89.96	12.25	-19.06	20.16	19.08	1.08	18.607		
400.00	399.26	398.30	398.03	0.82	0.78	107.05	16.24	-22.41	26.50	24.92	1.58	16.783		
500.00	498.88	497.86	497.45	1.10	1.02	117.03	20.23	-25.76	34.24	32.17	2.07	16.539	SF	
600.00	598.50	597.42	596.88	1.37	1.26	123.23	24.22	-29.11	42.64	40.08	2.56	16.659		
700.00	698.12	696.98	696.30	1.65	1.50	127.36	28.21	-32.46	51.36	48.31	3.05	16.857		
800.00	797.74	796.55	795.73	1.93	1.74	130.28	32.20	-35.81	60.27	56.74	3.53	17.056		
900.00	897.36	896.11	895.16	2.21	1.99	132.44	36.20	-39.16	69.30	65.27	4.02	17.237		
1,000.00	996.98	995.67	994.58	2.49	2.23	134.10	40.19	-42.51	78.40	73.89	4.51	17.396		
1,100.00	1,096.60	1,095.23	1,094.01	2.77	2.47	135.42	44.18	-45.86	87.55	82.56	4.99	17.534		
1,200.00	1,195.90	1,194.76	1,193.26	3.09	2.72	129.83	48.77	-51.48	98.21	92.70	5.51	17.839		
1,300.00	1,294.32	1,294.05	1,291.80	3.46	3.01	127.72	54.64	-62.05	111.79	105.70	6.09	18.359		
1,400.00	1,391.49	1,393.05	1,389.31	3.92	3.34	126.57	61.78	-77.52	128.25	121.48	6.77	18.951		
1,500.00	1,487.04	1,491.68	1,485.46	4.46	3.72	125.73	70.15	-97.77	147.52	139.95	7.56	19.504		
1,600.00	1,580.63	1,589.90	1,579.97	5.10	4.17	125.01	79.70	-122.69	169.53	161.03	8.50	19.939		
1,700.00	1,671.90	1,687.65	1,672.56	5.86	4.70	124.30	90.39	-152.14	194.20	184.60	9.61	20.218		
1,800.00	1,760.52	1,784.92	1,762.99	6.73	5.33	123.59	102.17	-185.96	221.47	210.58	10.89	20.336		
1,900.00	1,846.14	1,881.68	1,851.02	7.72	6.04	122.85	115.00	-223.99	251.23	238.86	12.37	20.310		
2,000.00	1,928.46	1,977.91	1,936.45	8.84	6.86	122.09	128.81	-266.06	283.39	269.34	14.05	20.167		
2,100.00	2,007.16	2,072.17	2,018.44	10.08	7.73	121.50	143.08	-310.30	318.02	302.14	15.88	20.027		
2,200.00	2,081.95	2,164.52	2,098.67	11.45	8.62	121.57	157.12	-353.82	355.52	337.76	17.76	20.016		
2,300.00	2,152.56	2,255.12	2,177.39	12.94	9.51	122.08	170.88	-396.52	396.09	376.42	19.67	20.137		
2,400.00	2,218.71	2,343.63	2,254.29	14.54	10.39	122.85	184.33	-438.23	439.93	418.35	21.59	20.381		
2,500.00	2,280.17	2,429.73	2,329.09	16.26	11.26	123.71	197.41	-478.80	487.24	463.74	23.50	20.734		
2,600.00	2,336.79	2,513.15	2,401.56	18.08	12.10	124.91	210.09	-518.11	538.14	512.77	25.38	21.205		
2,700.00	2,391.74	2,595.60	2,473.20	19.95	12.95	127.31	222.62	-556.97	590.82	563.71	27.11	21.796		
2,800.00	2,446.68	2,678.05	2,544.84	21.83	13.79	129.33	235.14	-595.83	644.16	615.34	28.82	22.352		
2,900.00	2,501.63	2,760.50	2,616.47	23.72	14.64	131.05	247.67	-634.68	698.01	667.49	30.52	22.872		
3,000.00	2,556.58	2,842.96	2,688.11	25.62	15.49	132.54	260.20	-673.54	752.26	720.05	32.21	23.356		
3,100.00	2,611.53	2,925.41	2,759.74	27.52	16.34	133.83	272.73	-712.40	806.83	772.94	33.89	23.806		
3,200.00	2,666.48	3,007.86	2,831.38	29.43	17.20	134.96	285.26	-751.25	861.66	826.09	35.57	24.224		
3,300.00	2,721.42	3,090.32	2,903.01	31.35	18.06	135.96	297.79	-790.11	916.71	879.46	37.25	24.612		
3,400.00	2,776.37	3,172.77	2,974.65	33.27	18.92	136.85	310.31	-828.97	971.93	933.01	38.92	24.972		
3,500.00	2,831.32	3,255.22	3,046.28	35.19	19.78	137.64	322.84	-867.82	1,027.30	986.70	40.59	25.308		
3,600.00	2,886.27	3,337.67	3,117.92	37.11	20.64	138.36	335.37	-906.68	1,082.79	1,040.53	42.26	25.621		
3,700.00	2,941.22	3,420.13	3,189.56	39.04	21.50	139.00	347.90	-945.54	1,138.39	1,094.46	43.93	25.913		
3,800.00	2,996.17	3,502.58	3,261.19	40.97	22.36	139.59	360.43	-984.40	1,194.08	1,148.49	45.60	26.187		
3,900.00	3,051.11	3,585.03	3,332.83	42.90	23.23	140.13	372.96	-1,023.25	1,249.86	1,202.59	47.27	26.442		
4,000.00	3,106.06	3,667.49	3,404.46	44.83	24.09	140.62	385.48	-1,062.11	1,305.70	1,256.77	48.93	26.683		
4,100.00	3,161.01	3,749.94	3,476.10	46.76	24.96	141.07	398.01	-1,100.97	1,361.60	1,311.00	50.60	26.908		
4,200.00	3,217.73	3,833.43	3,548.63	48.59	25.83	142.50	410.70	-1,140.31	1,416.16	1,364.21	51.95	27.261		
4,300.00	3,278.65	3,919.30	3,623.24	50.24	26.74	143.76	423.75	-1,180.78	1,467.22	1,413.88	53.34	27.505		
4,400.00	3,343.65	4,006.73	3,699.20	51.81	27.65	144.74	437.03	-1,221.98	1,514.62	1,459.77	54.86	27.611		
4,500.00	3,412.53	4,075.22	3,759.20	53.29	28.29	145.55	447.16	-1,253.41	1,558.86	1,502.68	56.18	27.749		
4,600.00	3,485.11	4,143.75	3,820.20	54.69	28.86	146.27	456.75	-1,283.13	1,600.47	1,543.06	57.41	27.877		
4,700.00	3,561.19	4,212.77	3,882.55	55.99	29.38	146.91	465.83	-1,311.29	1,639.40	1,580.83	58.57	27.990		
4,800.00	3,640.56	4,282.25	3,946.19	57.19	29.87	147.47	474.38	-1,337.83	1,675.59	1,615.95	59.65	28.092		
4,900.00	3,723.01	4,352.18	4,011.07	58.29	30.32	147.96	482.39	-1,362.68	1,708.99	1,648.35	60.64	28.184		
5,000.00	3,808.30	4,422.54	4,077.11	59.29	30.75	148.40	489.84	-1,385.76	1,739.55	1,678.01	61.54	28.266		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	3,896.21	4,500.00	4,150.64	60.18	31.18	148.76	497.31	-1,408.92	1,767.24	1,704.86	62.39	28.326		
5,200.00	3,986.49	4,564.41	4,212.38	60.98	31.49	149.09	502.93	-1,426.38	1,791.98	1,728.93	63.05	28.423		
5,300.00	4,078.89	4,635.87	4,281.45	61.67	31.80	149.35	508.55	-1,443.80	1,813.78	1,750.13	63.64	28.499		
5,400.00	4,173.17	4,700.00	4,343.90	62.26	32.07	149.58	513.03	-1,457.69	1,832.61	1,768.50	64.11	28.586		
5,500.00	4,269.06	4,779.65	4,421.99	62.76	32.34	149.75	517.84	-1,472.61	1,848.38	1,783.86	64.52	28.648		
5,600.00	4,366.31	4,851.91	4,493.27	63.16	32.55	149.87	521.48	-1,483.90	1,861.13	1,796.33	64.80	28.723		
5,700.00	4,464.63	4,924.37	4,565.08	63.47	32.73	149.96	524.44	-1,493.08	1,870.83	1,805.85	64.97	28.793		
5,800.00	4,563.78	5,000.00	4,640.32	63.69	32.89	150.00	526.78	-1,500.34	1,877.46	1,812.39	65.06	28.855		
5,900.00	4,663.46	5,069.70	4,709.85	63.83	32.99	150.00	528.26	-1,504.94	1,881.00	1,815.97	65.04	28.923		
6,000.00	4,763.42	5,142.50	4,782.59	63.90	33.07	44.88	529.12	-1,507.60	1,881.46	1,816.52	64.94	28.973		
6,100.00	4,863.42	5,223.33	4,863.42	63.93	33.13	44.86	529.30	-1,508.14	1,881.10	1,816.03	65.08	28.906		
6,200.00	4,963.42	5,323.33	4,963.42	63.97	33.20	44.86	529.30	-1,508.14	1,881.10	1,815.90	65.21	28.849		
6,300.00	5,063.42	5,423.33	5,063.42	64.00	33.27	44.86	529.30	-1,508.14	1,881.10	1,815.77	65.34	28.790		
6,400.00	5,163.42	5,523.33	5,163.42	64.04	33.35	44.86	529.30	-1,508.14	1,881.10	1,815.63	65.47	28.731		
6,500.00	5,263.42	5,623.33	5,263.42	64.07	33.42	44.86	529.30	-1,508.14	1,881.10	1,815.49	65.61	28.670		
6,600.00	5,363.42	5,723.33	5,363.42	64.11	33.50	44.86	529.30	-1,508.14	1,881.10	1,815.35	65.75	28.609		
6,700.00	5,463.42	5,823.33	5,463.42	64.15	33.57	44.86	529.30	-1,508.14	1,881.10	1,815.21	65.90	28.547		
6,800.00	5,563.42	5,923.33	5,563.42	64.18	33.65	44.86	529.30	-1,508.14	1,881.10	1,815.06	66.04	28.484		
6,900.00	5,663.42	6,023.33	5,663.42	64.22	33.73	44.86	529.30	-1,508.14	1,881.10	1,814.91	66.19	28.419		
7,000.00	5,763.42	6,123.33	5,763.42	64.26	33.81	44.86	529.30	-1,508.14	1,881.10	1,814.76	66.34	28.354		
7,100.00	5,863.42	6,223.33	5,863.42	64.30	33.90	44.86	529.30	-1,508.14	1,881.10	1,814.61	66.50	28.289		
7,200.00	5,963.42	6,323.33	5,963.42	64.35	33.98	44.86	529.30	-1,508.14	1,881.10	1,814.45	66.65	28.222		
7,300.00	6,063.42	6,423.33	6,063.42	64.39	34.06	44.86	529.30	-1,508.14	1,881.10	1,814.29	66.81	28.154		
7,400.00	6,163.42	6,523.33	6,163.42	64.43	34.15	44.86	529.30	-1,508.14	1,881.10	1,814.13	66.98	28.086		
7,500.00	6,263.42	6,623.33	6,263.42	64.48	34.24	44.86	529.30	-1,508.14	1,881.10	1,813.96	67.14	28.017		
7,600.00	6,363.42	6,723.33	6,363.42	64.52	34.33	44.86	529.30	-1,508.14	1,881.10	1,813.79	67.31	27.947		
7,700.00	6,463.42	6,823.33	6,463.42	64.57	34.42	44.86	529.30	-1,508.14	1,881.10	1,813.62	67.48	27.877		
7,800.00	6,563.42	6,923.33	6,563.42	64.61	34.51	44.86	529.30	-1,508.14	1,881.10	1,813.45	67.65	27.806		
7,900.00	6,663.42	7,023.33	6,663.42	64.66	34.60	44.86	529.30	-1,508.14	1,881.10	1,813.28	67.83	27.734		
8,000.00	6,763.42	7,123.33	6,763.42	64.71	34.69	44.86	529.30	-1,508.14	1,881.10	1,813.10	68.00	27.661		
8,100.00	6,863.42	7,223.33	6,863.42	64.75	34.79	44.86	529.30	-1,508.14	1,881.10	1,812.92	68.19	27.588		
8,200.00	6,963.42	7,323.33	6,963.42	64.80	34.88	44.86	529.30	-1,508.14	1,881.10	1,812.74	68.37	27.514		
8,300.00	7,063.42	7,423.33	7,063.42	64.85	34.98	44.86	529.30	-1,508.14	1,881.10	1,812.55	68.55	27.440		
8,400.00	7,163.42	7,523.33	7,163.42	64.90	35.08	44.86	529.30	-1,508.14	1,881.10	1,812.36	68.74	27.365		
8,500.00	7,263.42	7,623.33	7,263.42	64.95	35.18	44.86	529.30	-1,508.14	1,881.10	1,812.17	68.93	27.290		
8,512.58	7,276.00	7,635.91	7,276.00	64.96	35.19	44.86	529.30	-1,508.14	1,881.10	1,812.15	68.95	27.280		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-63.02	4.01	-7.87	8.83					
100.00	100.00	100.00	100.00	0.09	0.09	-63.02	4.01	-7.87	8.83	8.66	0.17	51.713	CC, ES	
200.00	199.95	199.57	199.53	0.30	0.30	62.87	4.01	-10.47	9.78	9.18	0.60	16.245		
300.00	299.64	299.20	298.91	0.55	0.55	77.70	4.01	-17.40	12.46	11.38	1.09	11.455		
400.00	399.26	399.10	398.43	0.82	0.82	84.85	4.01	-26.10	16.60	14.98	1.62	10.247		
500.00	498.88	499.00	497.95	1.10	1.09	89.10	4.01	-34.81	20.90	18.73	2.17	9.651		
600.00	598.50	598.90	597.46	1.37	1.37	91.89	4.01	-43.52	25.27	22.55	2.72	9.305		
700.00	698.12	698.79	696.98	1.65	1.64	93.86	4.01	-52.22	29.68	26.41	3.27	9.083		
800.00	797.74	798.69	796.50	1.93	1.92	95.32	4.01	-60.93	34.12	30.29	3.82	8.930		
900.00	897.36	898.59	896.02	2.21	2.20	96.44	4.01	-69.64	38.57	34.20	4.37	8.818		
1,000.00	996.98	998.49	995.54	2.49	2.47	97.33	4.01	-78.34	43.04	38.11	4.93	8.733		
1,100.00	1,096.60	1,098.39	1,095.06	2.77	2.75	98.05	4.01	-87.05	47.51	42.03	5.48	8.667	SF	
1,200.00	1,195.90	1,196.61	1,192.61	3.09	3.05	92.56	4.58	-98.39	53.18	47.09	6.09	8.733		
1,300.00	1,294.32	1,294.49	1,288.97	3.46	3.42	91.42	6.32	-115.36	61.35	54.53	6.82	8.997		
1,400.00	1,391.49	1,391.96	1,383.75	3.92	3.85	91.69	9.20	-137.84	72.03	64.34	7.69	9.368		
1,500.00	1,487.04	1,488.93	1,476.55	4.46	4.37	92.43	13.21	-165.65	85.23	76.50	8.73	9.768		
1,600.00	1,580.63	1,585.33	1,567.00	5.10	4.98	93.23	18.30	-198.58	100.90	90.96	9.94	10.149		
1,700.00	1,671.90	1,681.11	1,654.77	5.86	5.68	93.96	24.44	-236.40	119.00	107.64	11.36	10.475		
1,800.00	1,760.52	1,776.22	1,739.55	6.73	6.50	94.53	31.57	-278.85	139.44	126.45	12.99	10.736		
1,900.00	1,846.14	1,870.61	1,821.09	7.72	7.42	94.95	39.65	-325.68	162.14	147.30	14.83	10.932		
2,000.00	1,928.46	1,964.26	1,899.16	8.84	8.44	95.21	48.63	-376.62	186.99	170.09	16.90	11.065		
2,100.00	2,007.16	2,057.17	1,973.56	10.08	9.58	95.33	58.45	-431.37	213.90	194.71	19.19	11.147		
2,200.00	2,081.95	2,149.34	2,044.13	11.45	10.81	95.33	69.06	-489.68	242.75	221.05	21.69	11.190		
2,300.00	2,152.56	2,240.78	2,110.74	12.94	12.15	95.22	80.41	-551.27	273.42	249.02	24.41	11.203		
2,400.00	2,218.71	2,331.52	2,173.28	14.54	13.58	95.01	92.45	-615.88	305.81	278.49	27.32	11.195		
2,500.00	2,280.17	2,421.59	2,231.67	16.26	15.10	94.71	105.12	-683.27	339.78	309.37	30.41	11.173		
2,600.00	2,336.79	2,512.50	2,286.98	18.08	16.73	94.67	118.56	-754.15	375.14	341.43	33.71	11.129		
2,700.00	2,391.74	2,605.63	2,342.87	19.95	18.43	95.74	132.46	-827.33	410.92	373.80	37.12	11.069		
2,800.00	2,446.68	2,698.76	2,398.76	21.83	20.15	96.64	146.37	-900.52	446.81	406.25	40.56	11.016		
2,900.00	2,501.63	2,791.88	2,454.64	23.72	21.88	97.41	160.27	-973.70	482.77	438.76	44.01	10.969		
3,000.00	2,556.58	2,885.01	2,510.53	25.62	23.61	98.07	174.17	-1,046.89	518.81	471.33	47.48	10.927		
3,100.00	2,611.53	2,978.14	2,566.42	27.52	25.36	98.64	188.07	-1,120.07	554.89	503.94	50.95	10.890		
3,200.00	2,666.48	3,071.26	2,622.30	29.43	27.11	99.15	201.97	-1,193.26	591.02	536.58	54.44	10.857		
3,300.00	2,721.42	3,164.39	2,678.19	31.35	28.86	99.60	215.87	-1,266.44	627.18	569.26	57.93	10.827		
3,400.00	2,776.37	3,257.51	2,734.08	33.27	30.62	100.00	229.77	-1,339.63	663.38	601.96	61.42	10.801		
3,500.00	2,831.32	3,350.64	2,789.96	35.19	32.37	100.35	243.67	-1,412.81	699.59	634.68	64.92	10.777		
3,600.00	2,886.27	3,443.77	2,845.85	37.11	34.14	100.68	257.57	-1,486.00	735.83	667.41	68.42	10.755		
3,700.00	2,941.22	3,536.89	2,901.73	39.04	35.90	100.97	271.47	-1,559.18	772.09	700.17	71.92	10.735		
3,800.00	2,996.17	3,630.02	2,957.62	40.97	37.67	101.23	285.37	-1,632.37	808.37	732.93	75.43	10.717		
3,900.00	3,051.11	3,723.15	3,013.51	42.90	39.43	101.48	299.28	-1,705.55	844.65	765.71	78.94	10.700		
4,000.00	3,106.06	3,816.27	3,069.39	44.83	41.20	101.70	313.18	-1,778.73	880.95	798.50	82.45	10.685		
4,100.00	3,161.01	3,909.40	3,125.28	46.76	42.97	101.91	327.08	-1,851.92	917.26	831.30	85.96	10.670		
4,200.00	3,217.73	4,002.72	3,181.28	48.59	44.75	102.98	341.01	-1,925.26	953.16	863.77	89.39	10.663		
4,300.00	3,278.65	4,096.36	3,237.48	50.24	46.53	103.80	354.98	-1,998.85	987.96	895.25	92.71	10.656		
4,400.00	3,343.65	4,190.07	3,293.71	51.81	48.31	104.29	368.97	-2,072.49	1,021.65	925.62	96.03	10.639		
4,500.00	3,412.53	4,286.79	3,353.05	53.29	50.06	104.56	383.22	-2,147.51	1,054.13	954.86	99.28	10.618		
4,600.00	3,485.11	4,385.41	3,417.39	54.69	51.70	104.79	397.17	-2,220.92	1,085.16	982.83	102.34	10.604		
4,700.00	3,561.19	4,485.37	3,486.46	55.99	53.25	105.00	410.65	-2,291.90	1,114.64	1,009.41	105.24	10.592		
4,800.00	3,640.56	4,586.70	3,560.23	57.19	54.72	105.18	423.61	-2,360.13	1,142.48	1,034.47	108.01	10.578		
4,900.00	3,723.01	4,689.42	3,638.67	58.29	56.11	105.33	435.98	-2,425.27	1,168.57	1,057.89	110.68	10.558		
5,000.00	3,808.30	4,793.52	3,721.68	59.29	57.39	105.46	447.70	-2,486.97	1,192.83	1,079.68	113.15	10.542		
5,100.00	3,896.21	4,899.01	3,809.16	60.18	58.57	105.55	458.70	-2,544.86	1,215.18	1,099.76	115.42	10.528		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	3,986.49	5,005.83	3,900.92	60.98	59.64	105.62	468.90	-2,598.56	1,235.52	1,118.06	117.46	10.519		
5,300.00	4,078.89	5,113.95	3,996.77	61.67	60.59	105.65	478.23	-2,647.69	1,253.78	1,134.51	119.27	10.512		
5,400.00	4,173.17	5,223.31	4,096.43	62.26	61.43	105.66	486.62	-2,691.89	1,269.88	1,149.04	120.84	10.508		
5,500.00	4,269.06	5,333.82	4,199.59	62.76	62.14	105.64	494.01	-2,730.78	1,283.76	1,161.58	122.18	10.507		
5,600.00	4,366.31	5,445.38	4,305.87	63.16	62.74	105.59	500.33	-2,764.03	1,295.35	1,172.06	123.29	10.507		
5,700.00	4,464.63	5,557.88	4,414.87	63.47	63.22	105.51	505.51	-2,791.33	1,304.60	1,180.44	124.16	10.507		
5,800.00	4,563.78	5,671.19	4,526.12	63.69	63.58	105.40	509.51	-2,812.41	1,311.46	1,186.65	124.81	10.507		
5,900.00	4,663.46	5,785.17	4,639.10	63.83	63.84	105.26	512.29	-2,827.04	1,315.90	1,190.65	125.25	10.506		
6,000.00	4,763.42	5,899.66	4,753.28	63.90	63.99	0.00	513.81	-2,835.04	1,317.88	1,192.40	125.48	10.502		
6,100.00	4,863.42	6,009.82	4,863.42	63.93	64.05	-0.07	514.12	-2,836.63	1,318.14	1,192.57	125.57	10.497		
6,200.00	4,963.42	6,109.82	4,963.42	63.97	64.08	-0.07	514.12	-2,836.63	1,318.14	1,192.50	125.65	10.491		
6,300.00	5,063.42	6,209.82	5,063.42	64.00	64.12	-0.07	514.12	-2,836.63	1,318.14	1,192.43	125.72	10.485		
6,400.00	5,163.42	6,309.82	5,163.42	64.04	64.16	-0.07	514.12	-2,836.63	1,318.14	1,192.35	125.79	10.479		
6,500.00	5,263.42	6,409.82	5,263.42	64.07	64.19	-0.07	514.12	-2,836.63	1,318.14	1,192.28	125.87	10.472		
6,600.00	5,363.42	6,509.82	5,363.42	64.11	64.23	-0.07	514.12	-2,836.63	1,318.14	1,192.20	125.95	10.466		
6,700.00	5,463.42	6,609.82	5,463.42	64.15	64.27	-0.07	514.12	-2,836.63	1,318.14	1,192.12	126.02	10.459		
6,800.00	5,563.42	6,709.82	5,563.42	64.18	64.31	-0.07	514.12	-2,836.63	1,318.14	1,192.04	126.10	10.453		
6,900.00	5,663.42	6,809.82	5,663.42	64.22	64.35	-0.07	514.12	-2,836.63	1,318.14	1,191.96	126.19	10.446		
7,000.00	5,763.42	6,909.82	5,763.42	64.26	64.39	-0.07	514.12	-2,836.63	1,318.14	1,191.88	126.27	10.439		
7,100.00	5,863.42	7,009.82	5,863.42	64.30	64.44	-0.07	514.12	-2,836.63	1,318.14	1,191.79	126.35	10.432		
7,200.00	5,963.42	7,109.82	5,963.42	64.35	64.48	-0.07	514.12	-2,836.63	1,318.14	1,191.70	126.44	10.425		
7,300.00	6,063.42	7,209.82	6,063.42	64.39	64.52	-0.07	514.12	-2,836.63	1,318.14	1,191.62	126.53	10.418		
7,400.00	6,163.42	7,309.82	6,163.42	64.43	64.57	-0.07	514.12	-2,836.63	1,318.14	1,191.53	126.62	10.410		
7,500.00	6,263.42	7,409.82	6,263.42	64.48	64.61	-0.07	514.12	-2,836.63	1,318.14	1,191.44	126.71	10.403		
7,600.00	6,363.42	7,509.82	6,363.42	64.52	64.66	-0.07	514.12	-2,836.63	1,318.14	1,191.34	126.80	10.395		
7,700.00	6,463.42	7,609.82	6,463.42	64.57	64.71	-0.07	514.12	-2,836.63	1,318.14	1,191.25	126.90	10.388		
7,800.00	6,563.42	7,709.82	6,563.42	64.61	64.75	-0.07	514.12	-2,836.63	1,318.14	1,191.15	126.99	10.380		
7,900.00	6,663.42	7,809.82	6,663.42	64.66	64.80	-0.07	514.12	-2,836.63	1,318.14	1,191.06	127.09	10.372		
8,000.00	6,763.42	7,909.82	6,763.42	64.71	64.85	-0.07	514.12	-2,836.63	1,318.14	1,190.96	127.19	10.364		
8,100.00	6,863.42	8,009.82	6,863.42	64.75	64.90	-0.07	514.12	-2,836.63	1,318.14	1,190.86	127.29	10.356		
8,200.00	6,963.42	8,109.82	6,963.42	64.80	64.95	-0.07	514.12	-2,836.63	1,318.14	1,190.75	127.39	10.347		
8,300.00	7,063.42	8,209.82	7,063.42	64.85	65.00	-0.07	514.12	-2,836.63	1,318.14	1,190.65	127.49	10.339		
8,400.00	7,163.42	8,309.82	7,163.42	64.90	65.05	-0.07	514.12	-2,836.63	1,318.14	1,190.55	127.60	10.330		
8,500.00	7,263.42	8,409.82	7,263.42	64.95	65.11	-0.07	514.12	-2,836.63	1,318.14	1,190.44	127.71	10.322		
8,512.58	7,276.00	8,422.40	7,276.00	64.96	65.11	-0.07	514.12	-2,836.63	1,318.14	1,190.43	127.72	10.321		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	112.52	-2.91	7.03	7.61					
100.00	100.00	100.00	100.00	0.09	0.09	112.52	-2.91	7.03	7.61	7.44	0.17	44.546	CC, ES	
200.00	199.95	200.05	200.03	0.30	0.29	-129.88	-4.34	6.03	8.83	8.24	0.60	14.843		
300.00	299.64	300.02	299.88	0.55	0.52	-136.10	-8.27	3.28	12.71	11.65	1.05	12.048		
400.00	399.26	399.91	399.64	0.82	0.76	-140.00	-12.56	0.28	17.15	15.61	1.54	11.159		
500.00	498.88	499.81	499.40	1.10	1.00	-142.28	-16.84	-2.72	21.64	19.61	2.02	10.693		
600.00	598.50	599.71	599.16	1.37	1.25	-143.78	-21.12	-5.72	26.15	23.63	2.51	10.411		
700.00	698.12	699.60	698.92	1.65	1.50	-144.84	-25.40	-8.72	30.67	27.67	3.00	10.223		
800.00	797.74	799.50	798.68	1.93	1.74	-145.63	-29.69	-11.72	35.20	31.71	3.49	10.088		
900.00	897.36	899.40	898.44	2.21	1.99	-146.23	-33.97	-14.72	39.73	35.75	3.98	9.988		
1,000.00	996.98	999.29	998.20	2.49	2.24	-146.71	-38.25	-17.72	44.27	39.80	4.47	9.910		
1,100.00	1,096.60	1,099.19	1,097.96	2.77	2.48	-147.11	-42.54	-20.71	48.81	43.85	4.96	9.848	SF	
1,200.00	1,195.90	1,201.49	1,199.95	3.09	2.75	-153.56	-48.02	-26.24	53.92	48.47	5.46	9.879		
1,300.00	1,294.32	1,304.01	1,301.62	3.46	3.06	-155.61	-55.74	-36.78	60.10	54.10	5.99	10.027		
1,400.00	1,391.49	1,406.77	1,402.69	3.92	3.41	-155.98	-65.68	-52.33	67.33	60.76	6.58	10.240		
1,500.00	1,487.04	1,509.77	1,502.88	4.46	3.84	-155.53	-77.85	-72.89	75.64	68.42	7.22	10.472		
1,600.00	1,580.63	1,613.05	1,601.90	5.10	4.34	-154.64	-92.22	-98.43	85.03	77.07	7.96	10.685		
1,700.00	1,671.90	1,716.63	1,699.48	5.86	4.94	-153.52	-108.77	-128.94	95.50	86.70	8.81	10.846		
1,800.00	1,760.52	1,820.54	1,795.34	6.73	5.64	-152.29	-127.47	-164.37	107.05	97.26	9.79	10.937		
1,900.00	1,846.14	1,924.81	1,889.20	7.72	6.46	-151.02	-148.30	-204.67	119.65	108.73	10.93	10.951		
2,000.00	1,928.46	2,029.46	1,980.79	8.84	7.39	-149.75	-171.23	-249.80	133.30	121.07	12.24	10.893		
2,100.00	2,007.16	2,134.53	2,069.82	10.08	8.44	-148.51	-196.21	-299.67	147.97	134.24	13.73	10.778		
2,200.00	2,081.95	2,233.50	2,151.97	11.45	9.51	-147.84	-220.77	-349.08	165.42	150.17	15.26	10.843		
2,300.00	2,152.56	2,330.88	2,232.80	12.94	10.58	-148.11	-244.95	-397.70	188.05	171.37	16.68	11.277		
2,400.00	2,218.71	2,426.82	2,312.44	14.54	11.64	-148.97	-268.78	-445.62	215.85	197.88	17.97	12.012		
2,500.00	2,280.17	2,520.98	2,390.60	16.26	12.70	-150.14	-292.16	-492.64	248.86	229.72	19.14	13.005		
2,600.00	2,336.79	2,613.05	2,467.01	18.08	13.75	-151.51	-315.02	-538.61	287.03	266.81	20.21	14.200		
2,700.00	2,391.74	2,704.34	2,542.79	19.95	14.79	-153.10	-337.69	-584.20	327.08	305.70	21.38	15.300		
2,800.00	2,446.68	2,795.63	2,618.57	21.83	15.83	-154.35	-360.35	-629.79	367.30	344.72	22.58	16.264		
2,900.00	2,501.63	2,886.93	2,694.35	23.72	16.88	-155.34	-383.02	-675.38	407.64	383.82	23.82	17.113		
3,000.00	2,556.58	2,978.22	2,770.12	25.62	17.93	-156.16	-405.69	-720.97	448.06	422.98	25.08	17.865		
3,100.00	2,611.53	3,069.52	2,845.90	27.52	18.98	-156.85	-428.36	-766.56	488.55	462.19	26.36	18.534		
3,200.00	2,666.48	3,160.81	2,921.68	29.43	20.04	-157.43	-451.03	-812.15	529.09	501.44	27.65	19.133		
3,300.00	2,721.42	3,252.10	2,997.46	31.35	21.10	-157.93	-473.70	-857.74	569.66	540.71	28.96	19.672		
3,400.00	2,776.37	3,343.40	3,073.23	33.27	22.16	-158.36	-496.36	-903.33	610.27	580.00	30.27	20.159		
3,500.00	2,831.32	3,434.69	3,149.01	35.19	23.22	-158.73	-519.03	-948.92	650.90	619.31	31.60	20.601		
3,600.00	2,886.27	3,525.99	3,224.79	37.11	24.28	-159.07	-541.70	-994.51	691.56	658.63	32.92	21.004		
3,700.00	2,941.22	3,617.28	3,300.57	39.04	25.34	-159.36	-564.37	-1,040.10	732.23	697.97	34.26	21.373		
3,800.00	2,996.17	3,708.57	3,376.34	40.97	26.41	-159.63	-587.04	-1,085.69	772.91	737.31	35.60	21.711		
3,900.00	3,051.11	3,799.87	3,452.12	42.90	27.47	-159.87	-609.71	-1,131.29	813.61	776.67	36.95	22.022		
4,000.00	3,106.06	3,878.58	3,517.64	44.83	28.34	-160.07	-629.14	-1,170.36	854.69	816.48	38.22	22.365		
4,100.00	3,161.01	3,945.86	3,574.62	46.76	28.96	-160.28	-645.05	-1,202.37	897.93	858.59	39.34	22.824		
4,200.00	3,217.73	4,000.00	3,621.23	48.59	29.44	-160.91	-657.32	-1,227.04	941.81	901.41	40.39	23.316		
4,300.00	3,278.65	4,078.16	3,689.63	50.24	30.08	-161.56	-674.15	-1,260.89	983.35	941.93	41.42	23.744		
4,400.00	3,343.65	4,144.19	3,748.39	51.81	30.59	-162.11	-687.56	-1,287.85	1,022.82	980.45	42.37	24.141		
4,500.00	3,412.53	4,200.00	3,798.72	53.29	31.01	-162.57	-698.30	-1,309.45	1,060.14	1,016.90	43.24	24.518		
4,600.00	3,485.11	4,276.07	3,868.23	54.69	31.53	-163.01	-712.05	-1,337.11	1,095.07	1,050.99	44.08	24.843		
4,700.00	3,561.19	4,341.93	3,929.22	55.99	31.96	-163.39	-723.12	-1,359.38	1,127.77	1,082.96	44.81	25.165		
4,800.00	3,640.56	4,400.00	3,983.56	57.19	32.32	-163.71	-732.23	-1,377.70	1,158.21	1,112.76	45.44	25.486		
4,900.00	3,723.01	4,473.55	4,053.10	58.29	32.72	-164.01	-742.89	-1,399.13	1,186.22	1,140.21	46.01	25.780		
5,000.00	3,808.30	4,539.31	4,115.90	59.29	33.05	-164.27	-751.57	-1,416.59	1,211.90	1,165.44	46.46	26.084		
5,100.00	3,896.21	4,600.00	4,174.34	60.18	33.35	-164.50	-758.86	-1,431.27	1,235.21	1,188.41	46.80	26.393		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,200.00	3,986.49	4,670.75	4,242.97	60.98	33.64	-164.69	-766.50	-1,446.62	1,256.08	1,209.03	47.05	26.696		
5,300.00	4,078.89	4,736.44	4,307.15	61.67	33.88	-164.86	-772.74	-1,459.17	1,274.54	1,227.36	47.18	27.012		
5,400.00	4,173.17	4,800.00	4,369.60	62.26	34.10	-165.00	-777.99	-1,469.74	1,290.56	1,243.35	47.21	27.336		
5,500.00	4,269.06	4,867.78	4,436.53	62.76	34.29	-165.12	-782.75	-1,479.30	1,304.12	1,256.99	47.13	27.670		
5,600.00	4,366.31	4,933.43	4,501.64	63.16	34.45	-165.22	-786.51	-1,486.86	1,315.22	1,268.27	46.95	28.014		
5,700.00	4,464.63	5,000.00	4,567.87	63.47	34.59	-165.29	-789.47	-1,492.82	1,323.84	1,277.17	46.67	28.366		
5,800.00	4,563.78	5,064.72	4,632.42	63.69	34.68	-165.34	-791.53	-1,496.97	1,329.98	1,283.69	46.29	28.734		
5,900.00	4,663.46	5,130.36	4,697.99	63.83	34.76	-165.37	-792.79	-1,499.50	1,333.63	1,287.80	45.82	29.105		
6,000.00	4,763.42	5,196.37	4,764.00	63.90	34.81	89.54	-793.22	-1,500.35	1,334.78	1,289.49	45.29	29.470		
6,033.53	4,796.95	5,229.32	4,796.95	63.91	34.83	89.54	-793.22	-1,500.35	1,334.78	1,289.44	45.35	29.435		
6,100.00	4,863.42	5,295.79	4,863.42	63.93	34.87	89.54	-793.22	-1,500.35	1,334.78	1,289.33	45.45	29.366		
6,200.00	4,963.42	5,395.79	4,963.42	63.97	34.93	89.54	-793.22	-1,500.35	1,334.78	1,289.17	45.62	29.260		
6,300.00	5,063.42	5,495.79	5,063.42	64.00	34.99	89.54	-793.22	-1,500.35	1,334.78	1,289.00	45.79	29.152		
6,400.00	5,163.42	5,595.79	5,163.42	64.04	35.05	89.54	-793.22	-1,500.35	1,334.78	1,288.82	45.96	29.042		
6,500.00	5,263.42	5,695.79	5,263.42	64.07	35.12	89.54	-793.22	-1,500.35	1,334.78	1,288.65	46.14	28.931		
6,600.00	5,363.42	5,795.79	5,363.42	64.11	35.18	89.54	-793.22	-1,500.35	1,334.78	1,288.47	46.32	28.819		
6,700.00	5,463.42	5,895.79	5,463.42	64.15	35.25	89.54	-793.22	-1,500.35	1,334.78	1,288.28	46.50	28.705		
6,800.00	5,563.42	5,995.79	5,563.42	64.18	35.32	89.54	-793.22	-1,500.35	1,334.78	1,288.10	46.69	28.589		
6,900.00	5,663.42	6,095.79	5,663.42	64.22	35.39	89.54	-793.22	-1,500.35	1,334.78	1,287.91	46.88	28.473		
7,000.00	5,763.42	6,195.79	5,763.42	64.26	35.46	89.54	-793.22	-1,500.35	1,334.78	1,287.71	47.07	28.355		
7,100.00	5,863.42	6,295.79	5,863.42	64.30	35.53	89.54	-793.22	-1,500.35	1,334.78	1,287.51	47.27	28.236		
7,200.00	5,963.42	6,395.79	5,963.42	64.35	35.60	89.54	-793.22	-1,500.35	1,334.78	1,287.31	47.47	28.116		
7,300.00	6,063.42	6,495.79	6,063.42	64.39	35.68	89.54	-793.22	-1,500.35	1,334.78	1,287.10	47.68	27.995		
7,400.00	6,163.42	6,595.79	6,163.42	64.43	35.75	89.54	-793.22	-1,500.35	1,334.78	1,286.90	47.89	27.872		
7,500.00	6,263.42	6,695.79	6,263.42	64.48	35.83	89.54	-793.22	-1,500.35	1,334.78	1,286.68	48.10	27.749		
7,600.00	6,363.42	6,795.79	6,363.42	64.52	35.91	89.54	-793.22	-1,500.35	1,334.78	1,286.47	48.32	27.626		
7,700.00	6,463.42	6,895.79	6,463.42	64.57	35.99	89.54	-793.22	-1,500.35	1,334.78	1,286.25	48.54	27.501		
7,800.00	6,563.42	6,995.79	6,563.42	64.61	36.07	89.54	-793.22	-1,500.35	1,334.78	1,286.03	48.76	27.376		
7,900.00	6,663.42	7,095.79	6,663.42	64.66	36.15	89.54	-793.22	-1,500.35	1,334.78	1,285.80	48.98	27.250		
8,000.00	6,763.42	7,195.79	6,763.42	64.71	36.23	89.54	-793.22	-1,500.35	1,334.78	1,285.57	49.21	27.124		
8,100.00	6,863.42	7,295.79	6,863.42	64.75	36.32	89.54	-793.22	-1,500.35	1,334.78	1,285.34	49.44	26.997		
8,200.00	6,963.42	7,395.79	6,963.42	64.80	36.40	89.54	-793.22	-1,500.35	1,334.78	1,285.11	49.68	26.869		
8,300.00	7,063.42	7,495.79	7,063.42	64.85	36.49	89.54	-793.22	-1,500.35	1,334.78	1,284.87	49.91	26.741		
8,400.00	7,163.42	7,595.79	7,163.42	64.90	36.58	89.54	-793.22	-1,500.35	1,334.78	1,284.63	50.15	26.613		
8,500.00	7,263.42	7,695.79	7,263.42	64.95	36.67	89.54	-793.22	-1,500.35	1,334.78	1,284.39	50.40	26.485		
8,512.58	7,276.00	7,708.37	7,276.00	64.96	36.68	89.54	-793.22	-1,500.35	1,334.78	1,284.36	50.43	26.469		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference				Offset		Semi Major Axis			Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	114.94	-10.20	21.93	24.19					
100.00	100.00	100.00	100.00	0.09	0.09	114.94	-10.20	21.93	24.19	24.02	0.17	141.585	CC, ES	
200.00	199.95	200.07	200.05	0.30	0.29	-125.93	-11.71	21.06	25.54	24.94	0.59	42.930		
300.00	299.64	300.02	299.88	0.55	0.52	-128.94	-15.87	18.66	29.69	28.63	1.06	28.010		
400.00	399.26	399.90	399.62	0.82	0.76	-131.63	-20.39	16.05	34.40	32.84	1.55	22.163		
500.00	498.88	499.78	499.37	1.10	1.00	-133.66	-24.92	13.43	39.16	37.11	2.05	19.110		
600.00	598.50	599.65	599.11	1.37	1.25	-135.26	-29.45	10.82	43.96	41.41	2.55	17.256		
700.00	698.12	699.53	698.85	1.65	1.49	-136.54	-33.97	8.20	48.79	45.75	3.05	16.019		
800.00	797.74	799.41	798.59	1.93	1.74	-137.59	-38.50	5.59	53.64	50.10	3.54	15.136		
900.00	897.36	899.29	898.33	2.21	1.99	-138.46	-43.03	2.98	58.51	54.46	4.04	14.476		
1,000.00	996.98	999.17	998.07	2.49	2.23	-139.20	-47.55	0.36	63.38	58.84	4.54	13.965		
1,100.00	1,096.60	1,099.04	1,097.81	2.77	2.48	-139.84	-52.08	-2.25	68.27	63.23	5.04	13.557	SF	
1,200.00	1,195.90	1,198.53	1,197.00	3.09	2.74	-145.78	-59.11	-5.17	76.06	70.50	5.56	13.680		
1,300.00	1,294.32	1,297.22	1,294.88	3.46	3.04	-146.30	-71.13	-8.70	89.72	83.56	6.16	14.562		
1,400.00	1,391.49	1,394.58	1,390.69	3.92	3.38	-144.88	-87.89	-12.79	109.35	102.50	6.86	15.951		
1,500.00	1,487.04	1,490.87	1,484.68	4.46	3.76	-143.24	-108.27	-17.31	134.85	127.21	7.64	17.648		
1,600.00	1,580.63	1,586.06	1,577.54	5.10	4.16	-142.94	-128.73	-21.81	165.42	156.96	8.46	19.553		
1,700.00	1,671.90	1,679.54	1,668.73	5.86	4.56	-143.47	-148.82	-26.24	200.82	191.52	9.30	21.596		
1,800.00	1,760.52	1,770.95	1,757.90	6.73	4.96	-144.39	-168.46	-30.56	241.01	230.85	10.15	23.737		
1,900.00	1,846.14	1,859.97	1,844.73	7.72	5.35	-145.44	-187.59	-34.77	286.00	274.98	11.02	25.923		
2,000.00	1,928.46	1,946.24	1,928.89	8.84	5.73	-146.46	-206.13	-38.85	335.77	323.87	11.90	28.251		
2,100.00	2,007.16	2,029.45	2,010.07	10.08	6.10	-147.36	-224.01	-42.79	390.26	377.47	12.79	30.517		
2,200.00	2,081.95	2,109.30	2,087.95	11.45	6.46	-148.10	-241.17	-46.57	449.37	435.68	13.70	32.810		
2,300.00	2,152.56	2,185.48	2,162.27	12.94	6.81	-148.65	-257.54	-50.17	512.98	498.34	14.63	35.060		
2,400.00	2,218.71	2,257.71	2,232.72	14.54	7.14	-148.99	-273.07	-53.59	580.89	565.28	15.61	37.222		
2,500.00	2,280.17	2,325.72	2,299.07	16.26	7.45	-149.08	-287.68	-56.80	652.91	636.27	16.64	39.237		
2,600.00	2,336.79	2,389.33	2,361.12	18.08	7.74	-149.29	-301.35	-59.81	728.75	711.02	17.73	41.103		
2,700.00	2,391.74	2,451.42	2,421.69	19.95	8.03	-150.82	-314.70	-62.75	806.00	787.27	18.73	43.034		
2,800.00	2,446.68	2,513.51	2,482.26	21.83	8.31	-152.09	-328.04	-65.69	883.45	863.72	19.73	44.770		
2,900.00	2,501.63	2,575.60	2,542.83	23.72	8.60	-153.17	-341.38	-68.63	961.06	940.31	20.74	46.335		
3,000.00	2,556.58	2,637.69	2,603.40	25.62	8.89	-154.08	-354.73	-71.56	1,038.78	1,017.02	21.75	47.751		
3,100.00	2,611.53	2,699.78	2,663.96	27.52	9.17	-154.88	-368.07	-74.50	1,116.59	1,093.82	22.77	49.039		
3,200.00	2,666.48	2,761.87	2,724.53	29.43	9.46	-155.57	-381.42	-77.44	1,194.48	1,170.69	23.79	50.212		
3,300.00	2,721.42	2,823.97	2,785.10	31.35	9.75	-156.18	-394.76	-80.38	1,272.43	1,247.62	24.81	51.286		
3,400.00	2,776.37	2,886.06	2,845.67	33.27	10.04	-156.72	-408.10	-83.31	1,350.43	1,324.60	25.83	52.272		
3,500.00	2,831.32	2,948.15	2,906.24	35.19	10.33	-157.20	-421.45	-86.25	1,428.47	1,401.61	26.86	53.179		
3,600.00	2,886.27	3,010.24	2,966.81	37.11	10.62	-157.63	-434.79	-89.19	1,506.55	1,478.66	27.89	54.017		
3,700.00	2,941.22	3,072.33	3,027.38	39.04	10.90	-158.02	-448.13	-92.12	1,584.66	1,555.74	28.92	54.793		
3,800.00	2,996.17	3,134.42	3,087.94	40.97	11.19	-158.37	-461.48	-95.06	1,662.80	1,632.85	29.95	55.513		
3,900.00	3,051.11	3,196.51	3,148.51	42.90	11.48	-158.70	-474.82	-98.00	1,740.96	1,709.97	30.99	56.183		
4,000.00	3,106.06	3,258.60	3,209.08	44.83	11.77	-158.99	-488.16	-100.94	1,819.14	1,787.11	32.02	56.807		
4,100.00	3,161.01	3,320.69	3,269.65	46.76	12.06	-159.26	-501.51	-103.87	1,897.33	1,864.27	33.06	57.391		
4,200.00	3,217.73	3,384.38	3,331.78	48.59	12.36	-160.59	-515.20	-106.89	1,974.27	1,940.49	33.78	58.453		
4,300.00	3,278.65	3,451.87	3,397.62	50.24	12.68	-161.78	-529.70	-110.08	2,047.98	2,013.45	34.53	59.306		
4,400.00	3,343.65	3,522.99	3,467.00	51.81	13.01	-162.73	-544.98	-113.44	2,118.25	2,082.88	35.37	59.893		
4,500.00	3,412.53	3,597.55	3,539.73	53.29	13.36	-163.51	-561.01	-116.97	2,184.88	2,148.62	36.25	60.268		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD SDI													Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis			Distance			Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	114.00	-16.03	35.99	39.40					
100.00	100.00	100.00	100.00	0.09	0.09	114.00	-16.03	35.99	39.40	39.23	0.17	230.629	CC, ES	
200.00	199.95	198.68	198.66	0.30	0.29	-127.74	-17.33	37.08	42.50	41.91	0.59	71.485		
300.00	299.64	297.49	297.35	0.55	0.52	-132.01	-20.94	40.11	51.67	50.62	1.05	49.024		
400.00	399.26	396.89	396.62	0.82	0.75	-135.42	-24.92	43.45	62.05	60.52	1.53	40.556		
500.00	498.88	496.29	495.89	1.10	1.00	-137.85	-28.91	46.80	72.58	70.57	2.01	36.063		
600.00	598.50	595.70	595.16	1.37	1.24	-139.66	-32.89	50.14	83.20	80.71	2.50	33.314		
700.00	698.12	695.10	694.42	1.65	1.48	-141.05	-36.88	53.49	93.90	90.91	2.98	31.469		
800.00	797.74	794.51	793.69	1.93	1.73	-142.17	-40.86	56.83	104.63	101.16	3.47	30.149		
900.00	897.36	893.91	892.96	2.21	1.97	-143.07	-44.85	60.18	115.40	111.44	3.96	29.160		
1,000.00	996.98	993.31	992.23	2.49	2.22	-143.82	-48.83	63.52	126.19	121.74	4.44	28.392		
1,100.00	1,096.60	1,092.72	1,091.49	2.77	2.46	-144.45	-52.82	66.86	137.00	132.06	4.93	27.779	SF	
1,200.00	1,195.90	1,185.61	1,184.13	3.09	2.71	-151.32	-57.52	71.64	152.53	147.13	5.40	28.230		
1,300.00	1,294.32	1,275.35	1,273.23	3.46	2.97	-154.16	-64.22	79.92	177.91	172.02	5.89	30.209		
1,400.00	1,391.49	1,361.21	1,357.93	3.92	3.26	-155.54	-72.61	91.21	212.72	206.33	6.39	33.297		
1,500.00	1,487.04	1,442.25	1,437.21	4.46	3.57	-156.17	-82.30	104.86	256.43	249.53	6.90	37.164		
1,600.00	1,580.63	1,517.72	1,510.35	5.10	3.90	-156.35	-92.84	120.18	308.40	300.98	7.42	41.546		
1,700.00	1,671.90	1,587.11	1,576.91	5.86	4.24	-156.20	-103.82	136.45	367.94	359.98	7.96	46.200		
1,800.00	1,760.52	1,650.13	1,636.70	6.73	4.59	-155.77	-114.84	153.03	434.31	425.78	8.53	50.903		
1,900.00	1,846.14	1,700.00	1,683.52	7.72	4.88	-155.01	-124.26	167.34	506.83	497.71	9.12	55.598		
2,000.00	1,928.46	1,756.74	1,736.24	8.84	5.27	-154.06	-135.73	184.91	584.60	574.80	9.80	59.674		
2,100.00	2,007.16	1,800.00	1,776.00	10.08	5.56	-152.68	-144.99	199.22	667.07	656.52	10.55	63.238		
2,200.00	2,081.95	1,842.99	1,815.16	11.45	5.88	-150.93	-154.61	214.12	753.47	742.01	11.46	65.775		
2,300.00	2,152.56	1,887.63	1,855.76	12.94	6.22	-148.85	-164.67	229.73	842.67	830.12	12.55	67.144		
2,400.00	2,218.71	1,927.01	1,891.57	14.54	6.53	-146.16	-173.54	243.49	934.22	920.28	13.94	67.032		
2,500.00	2,280.17	1,960.97	1,922.45	16.26	6.80	-142.54	-181.19	255.37	1,027.80	1,012.02	15.78	65.142		
2,600.00	2,336.79	1,989.50	1,948.39	18.08	7.02	-138.90	-187.62	265.34	1,123.07	1,105.08	17.99	62.431		
2,700.00	2,391.74	2,016.17	1,972.65	19.95	7.23	-140.53	-193.63	274.66	1,218.92	1,199.80	19.11	63.778		
2,800.00	2,446.68	2,042.84	1,996.90	21.83	7.45	-141.94	-199.63	283.98	1,314.84	1,294.62	20.22	65.023		
2,900.00	2,501.63	2,069.51	2,021.16	23.72	7.66	-143.18	-205.64	293.31	1,410.82	1,389.51	21.32	66.184		
3,000.00	2,556.58	2,096.17	2,045.41	25.62	7.88	-144.28	-211.65	302.63	1,506.86	1,484.46	22.40	67.267		
3,100.00	2,611.53	2,122.84	2,069.66	27.52	8.10	-145.25	-217.66	311.95	1,602.94	1,579.46	23.48	68.269		
3,200.00	2,666.48	2,149.51	2,093.92	29.43	8.32	-146.12	-223.67	321.28	1,699.05	1,674.50	24.55	69.205		
3,300.00	2,721.42	2,176.18	2,118.17	31.35	8.53	-146.90	-229.68	330.60	1,795.19	1,769.57	25.62	70.083		
3,400.00	2,776.37	2,202.85	2,142.42	33.27	8.75	-147.61	-235.69	339.92	1,891.35	1,864.67	26.67	70.905		
3,500.00	2,831.32	2,229.52	2,166.68	35.19	8.97	-148.25	-241.69	349.24	1,987.53	1,959.80	27.73	71.671		
3,600.00	2,886.27	2,256.19	2,190.93	37.11	9.19	-148.84	-247.70	358.57	2,083.74	2,054.95	28.78	72.392		
3,700.00	2,941.22	2,282.86	2,215.19	39.04	9.41	-149.38	-253.71	367.89	2,179.95	2,150.12	29.83	73.071		

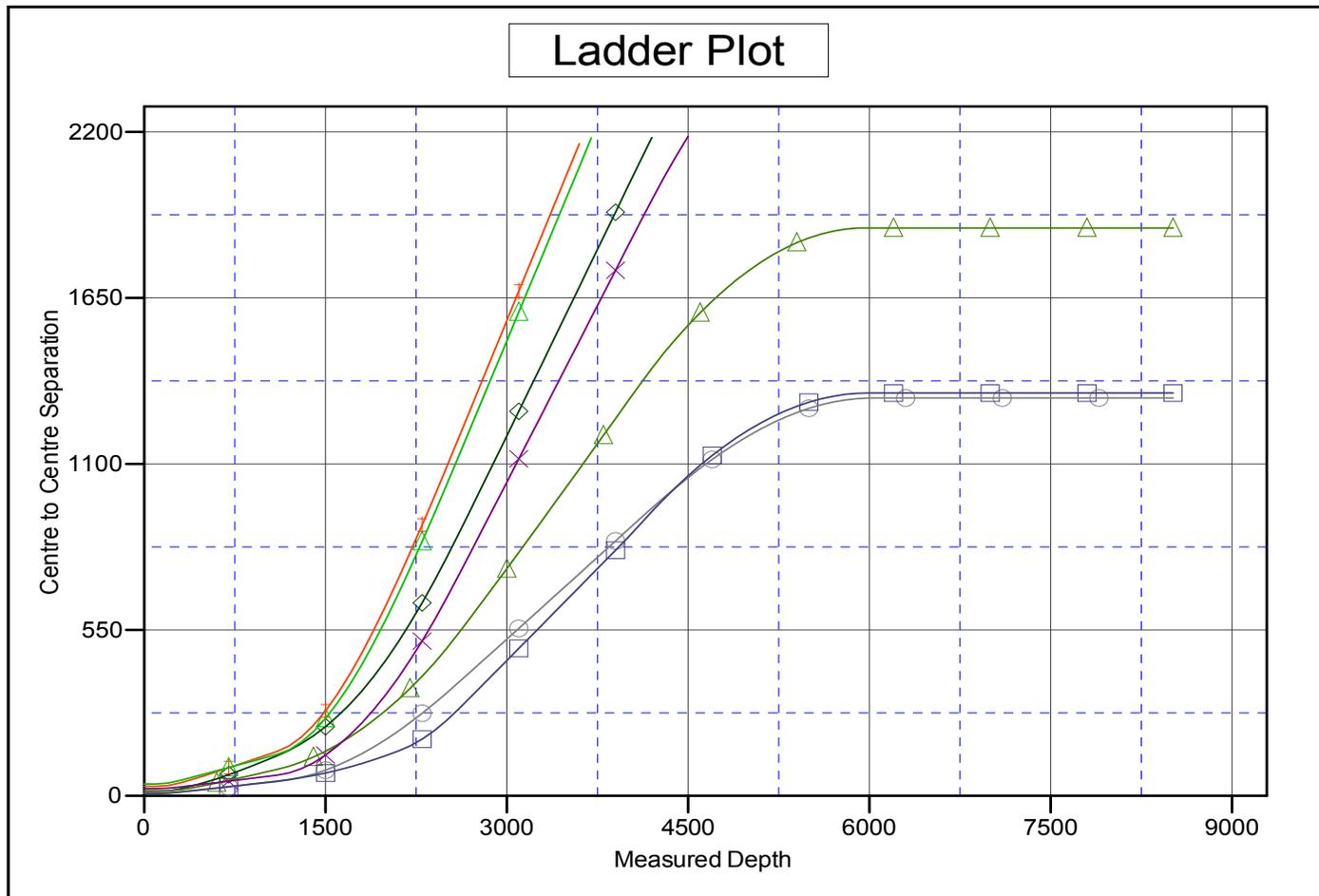
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to GL 6772' & RKB 24' @ 6796.00ft (H&P 276)      Coordinates are relative to: Peters Point UF 5-27D-12-16 - Slot E  
 Offset Depths are relative to Offset Datum      Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302  
 Central Meridian is 111° 30' 0.000 W      Grid Convergence at Surface is: 0.89°



LEGEND

- ▲— Peters Point UF 1-27D-12-16, OH, Plan #2 V0
- ◆— Peters Point UF 2-27D-12-16, OH, Plan #2 V0
- ▲— Peters Point UF 3-27D-12-16, OH, Plan #2 V0
- Peters Point UF 4-27D-12-16, OH, Plan #2 V0
- Peters Point UF 6-27D-12-16, OH, Plan #2 V0
- ×— Peters Point UF 7-27D-12-16, OH, Plan #2 V0
- ▲— Peters Point UF 8-27D-12-16, OH, Plan #2 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

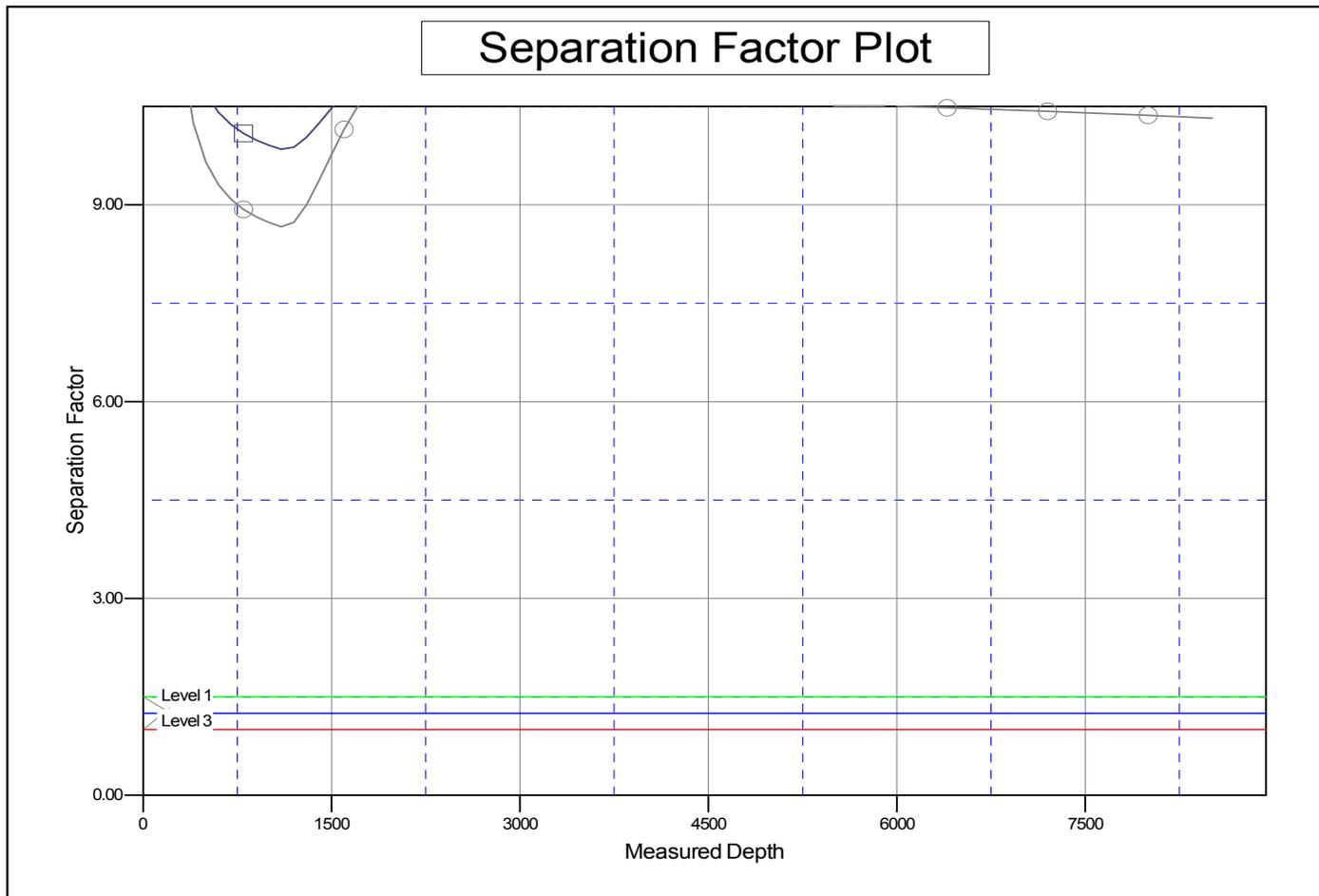
Anticollision Report



<b>Company:</b>	EnerVest Operating LLC	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Reference Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 24' @ 6796.00ft (H&P 276)
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Peters Point UF 5-27D-12-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	Grand Junction District
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to GL 6772' & RKB 24' @ 6796.00ft (H&P)  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 111° 30' 0.000 W

Coordinates are relative to: Peters Point UF 5-27D-12-16 - Slot E  
 Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302  
 Grid Convergence at Surface is: 0.89°



LEGEND

- Peters Point UF 1-27D-12-16, OH, Plan #2 V0
- Peters Point UF 4-27D-12-16, OH, Plan #2 V0
- ▲— Peters Point UF 8-27D-12-16, OH, Plan #2 V0
- ◆— Peters Point UF 2-27D-12-16, OH, Plan #2 V0
- Peters Point UF 6-27D-12-16, OH, Plan #2 V0
- ✕— Peters Point UF 7-27D-12-16, OH, Plan #2 V0
- ▲— Peters Point UF 3-27D-12-16, OH, Plan #2 V0

ENERVEST OPERATING, LLC

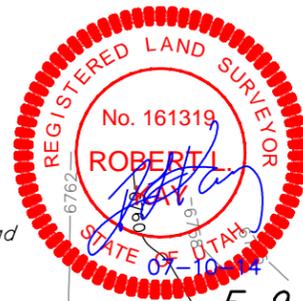
LOCATION LAYOUT FOR

PETERS POINT NE 27 PAD

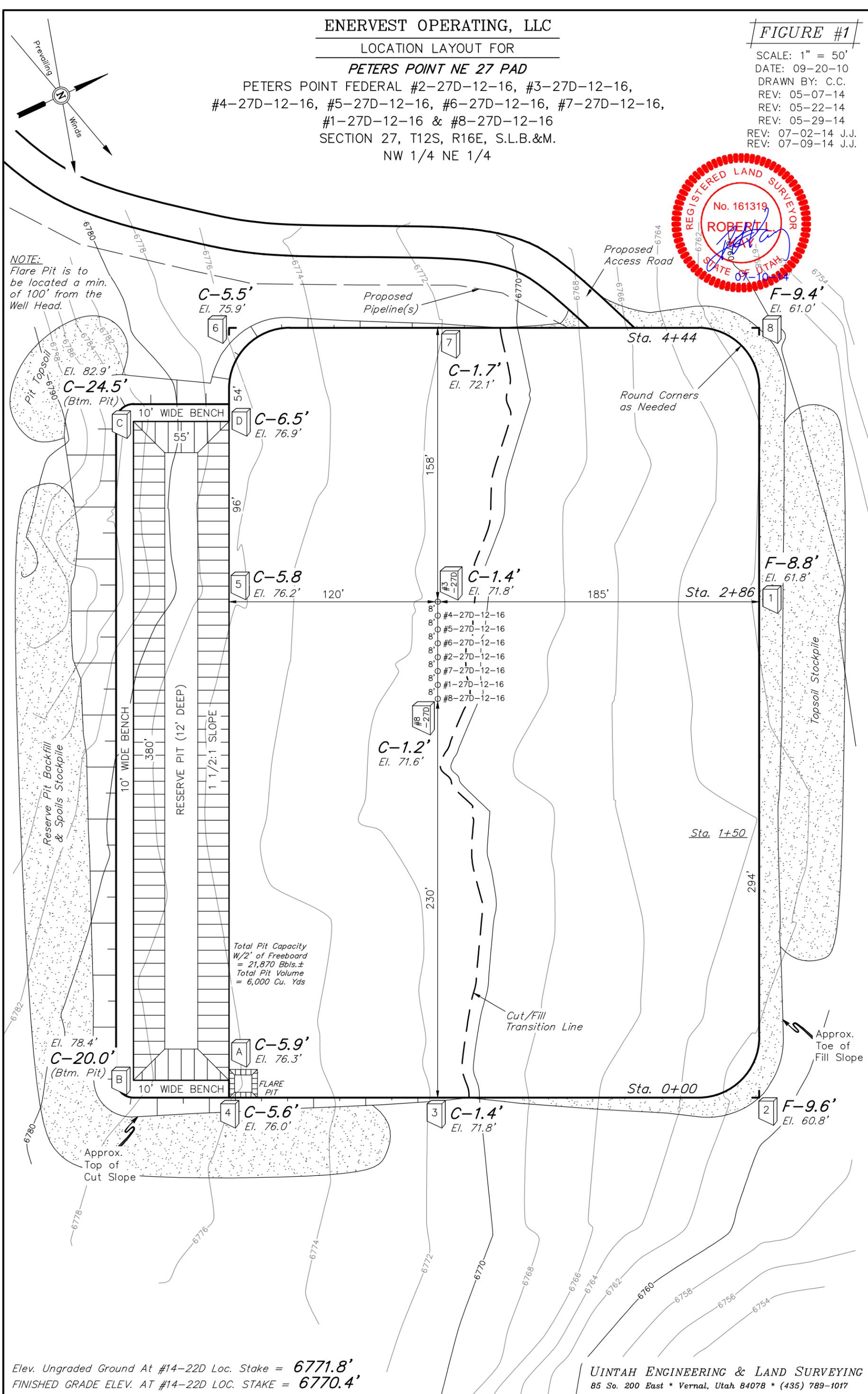
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4

FIGURE #1

SCALE: 1" = 50'  
DATE: 09-20-10  
DRAWN BY: C.C.  
REV: 05-07-14  
REV: 05-22-14  
REV: 05-29-14  
REV: 07-02-14 J.J.  
REV: 07-09-14 J.J.



NOTE:  
Flare Pit is to  
be located a min.  
of 100' from the  
Well Head.



Total Pit Capacity  
W/2' of Freeboard  
= 21,870 Bbls.±  
Total Pit Volume  
= 6,000 Cu. Yds

Elev. Ungraded Ground At #14-22D Loc. Stake = 6771.8'  
FINISHED GRADE ELEV. AT #14-22D LOC. STAKE = 6770.4'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: Aug. 28, 2014

**ENERVEST OPERATING, LLC**

**TYPICAL CROSS SECTIONS FOR**

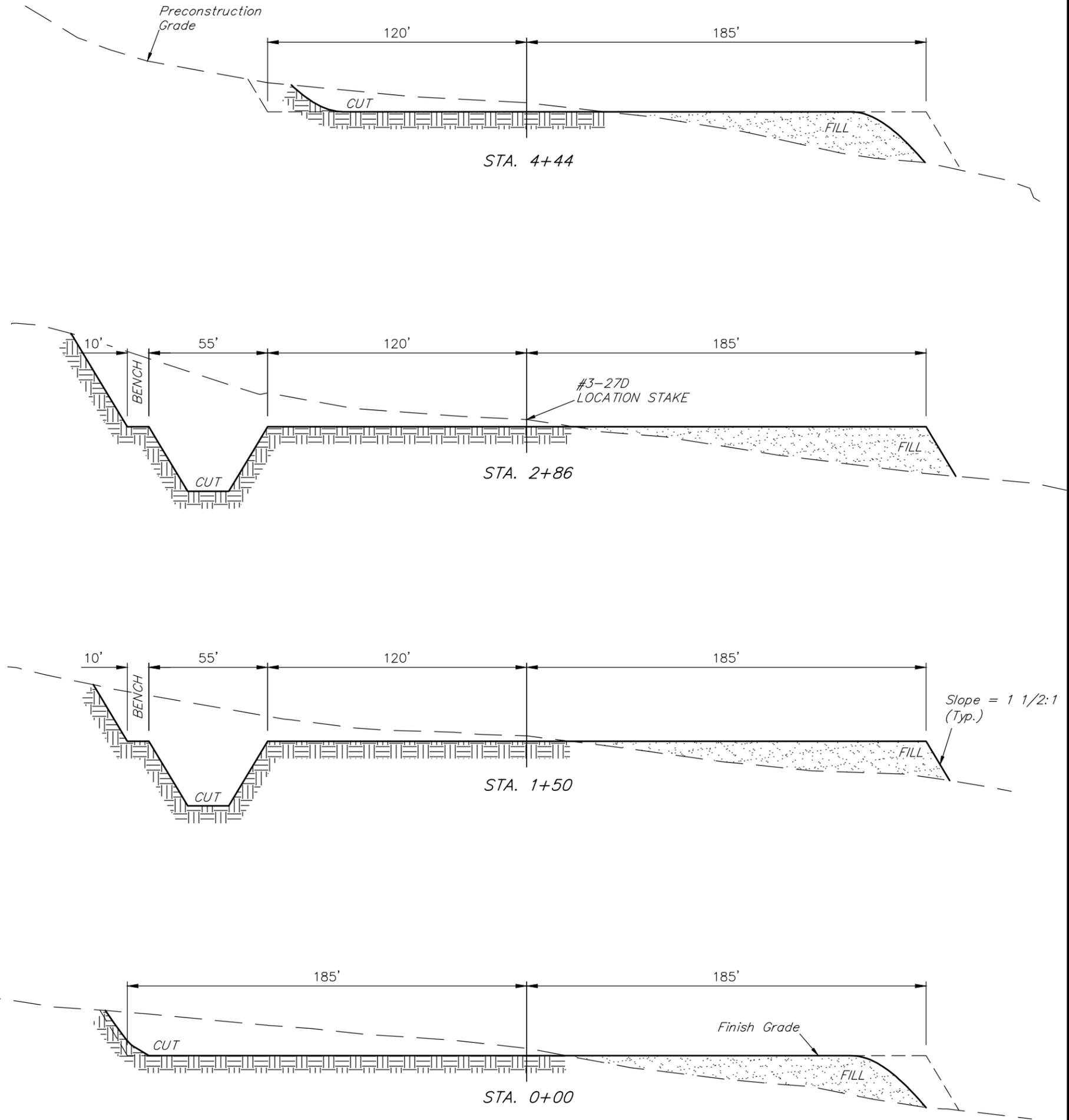
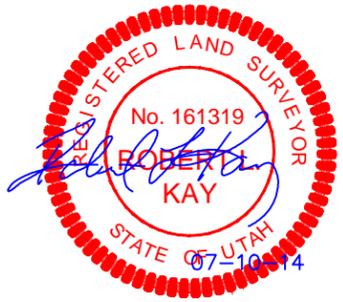
**PETERS POINT NE 27 PAD**

PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
 #4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
 #1-27D-12-16 & #8-27D-12-16  
 SECTION 27, T12S, R16E, S.L.B.&M.  
 NW 1/4 NE 1/4

**FIGURE #2**

X-Section Scale  
 1" = 50'  
 1" = 20'

DATE: 09-20-10  
 DRAWN BY: C.C.  
 REV: 05-07-14  
 REV: 05-22-14  
 REV: 05-29-14  
 REV: 07-02-14 J.J.  
 REV: 07-09-14 J.J.



**NOTE:**  
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

**APPROXIMATE ACREAGES**

WELL SITE DISTURBANCE	= ± 4.926 ACRES
ACCESS ROAD DISTURBANCE	= ± 3.470 ACRES
PIPELINE DISTURBANCE	= ± 4.724 ACRES
<b>TOTAL</b>	<b>= ± 13.120 ACRES</b>

**\* NOTE:**  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	= 3,340 Cu. Yds.
Remaining Location	= 20,070 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 23,410 CU.YDS.</b>
<b>FILL</b>	<b>= 14,350 CU.YDS.</b>

EXCESS MATERIAL	= 9,060 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 6,340 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 2,720 Cu. Yds.

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**ENERVEST OPERATING, LLC**

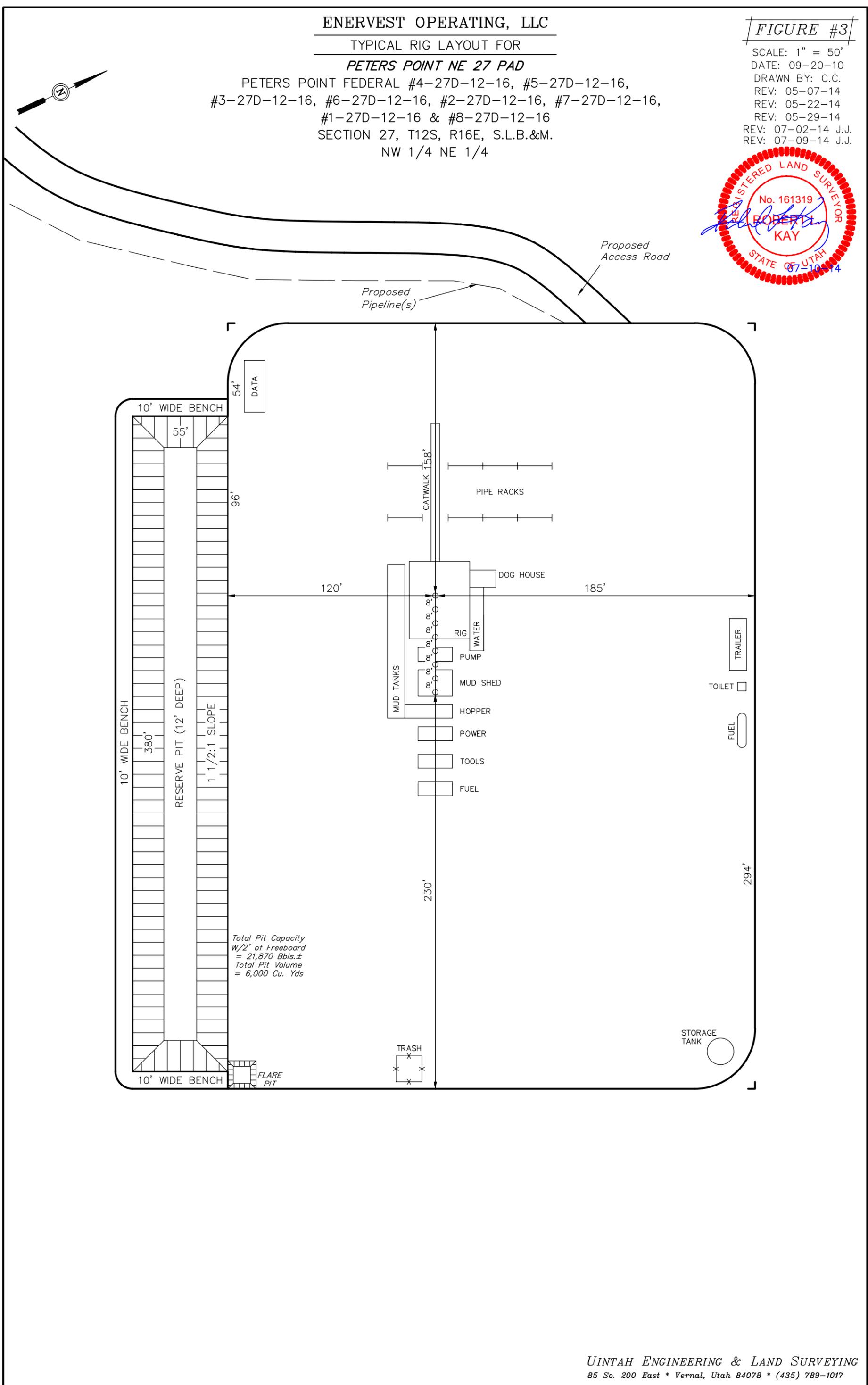
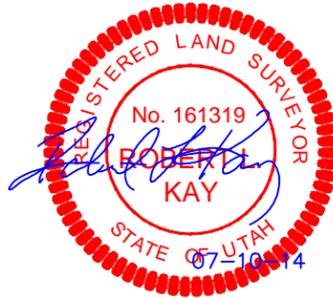
TYPICAL RIG LAYOUT FOR

**PETERS POINT NE 27 PAD**

PETERS POINT FEDERAL #4-27D-12-16, #5-27D-12-16,  
 #3-27D-12-16, #6-27D-12-16, #2-27D-12-16, #7-27D-12-16,  
 #1-27D-12-16 & #8-27D-12-16  
 SECTION 27, T12S, R16E, S.L.B.&M.  
 NW 1/4 NE 1/4

**FIGURE #3**

SCALE: 1" = 50'  
 DATE: 09-20-10  
 DRAWN BY: C.C.  
 REV: 05-07-14  
 REV: 05-22-14  
 REV: 05-29-14  
 REV: 07-02-14 J.J.  
 REV: 07-09-14 J.J.



**ENERVEST OPERATING, LLC**

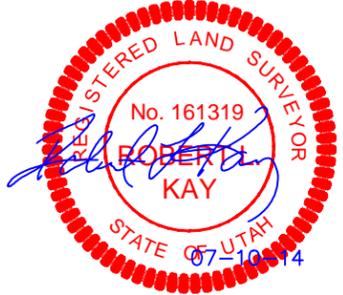
INTERIM RECLAMATION FOR

**PETERS POINT NE 27 PAD**

PETERS POINT FEDERAL #4-27D-12-16, #5-27D-12-16,  
#3-27D-12-16, #6-27D-12-16, #2-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4

**FIGURE #4**

SCALE: 1" = 50'  
DATE: 09-20-10  
DRAWN BY: C.C.  
REV: 05-07-14  
REV: 05-22-14  
REV: 05-29-14  
REV: 07-02-14 J.J.  
REV: 07-09-14 J.J.



Proposed Pipeline(s)

Proposed Access Road

Separator Area

Flowlines

- #3-27D-12-16
- #4-27D-12-16
- #5-27D-12-16
- #6-27D-12-16
- #2-27D-12-16
- #7-27D-12-16
- #1-27D-12-16
- #8-27D-12-16

Cellar

 RE-HABBED AREA

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: Aug. 28, 2014

**ENERVEST OPERATING, LLC**

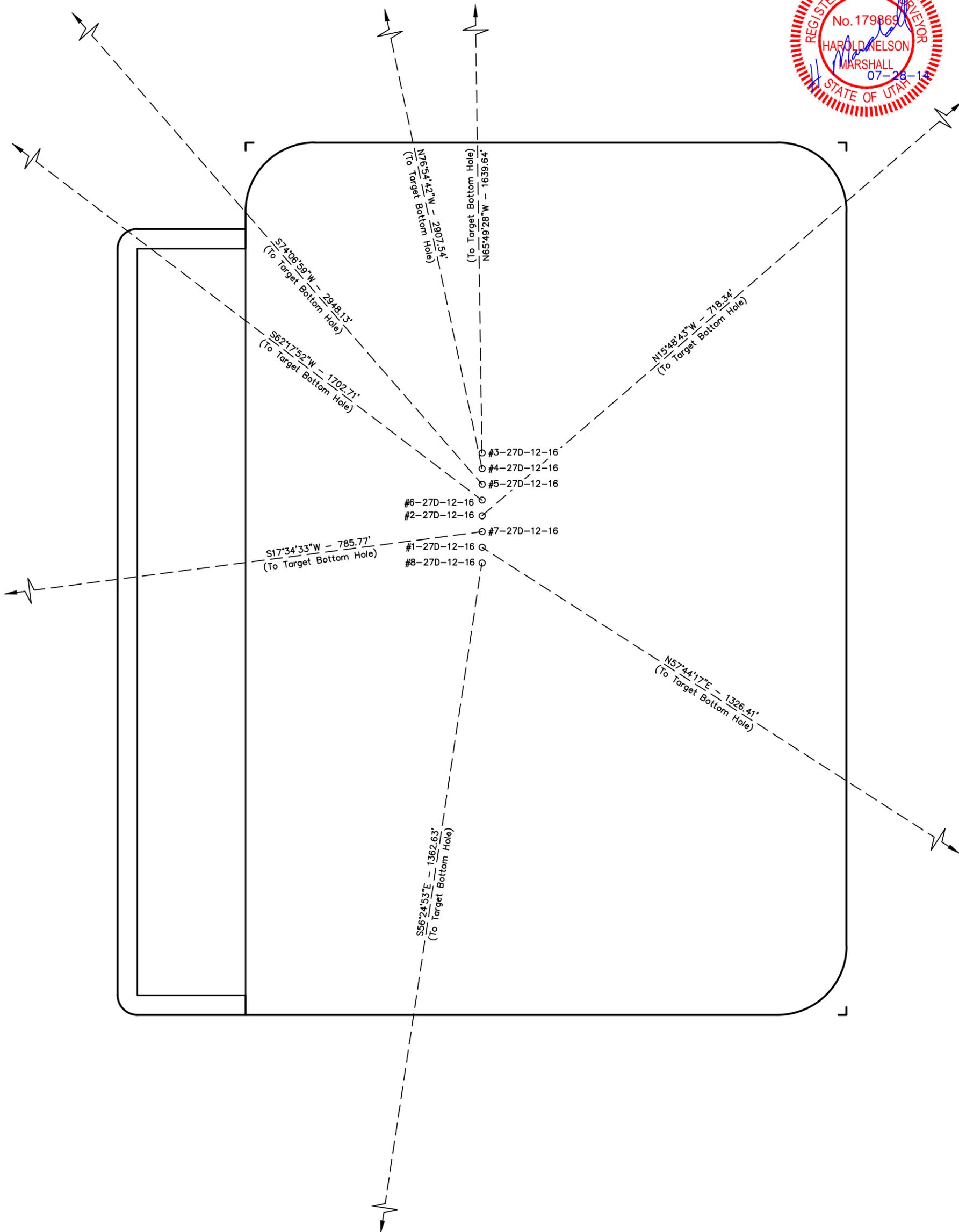
**INTERFERENCE DIAGRAM FOR**

**PETERS POINT NE 27 PAD**

PETERS POINT FEDERAL #4-27D-12-16, #5-27D-12-16,  
#3-27D-12-16, #6-27D-12-16, #2-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4

**FIGURE #5**

SCALE: 1" = 50'  
DATE: 09-20-10  
DRAWN BY: C.C.  
REV: 05-07-14  
REV: 05-22-14  
REV: 05-29-14  
REV: 07-02-14 J.J.  
REV: 07-09-14 J.J.  
REV: 07-25-14 J.J.



PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 28.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 6.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ROAD RE-ROUTE TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY, THEN NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 1,320' TO AN EXISTING ROAD TO BE UPGRADED TO THE NORTH; PROCEED IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 2,028 TO AN EXISTING ROAD TO THE NORTHWEST; PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 639' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1,690' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.2 MILES.

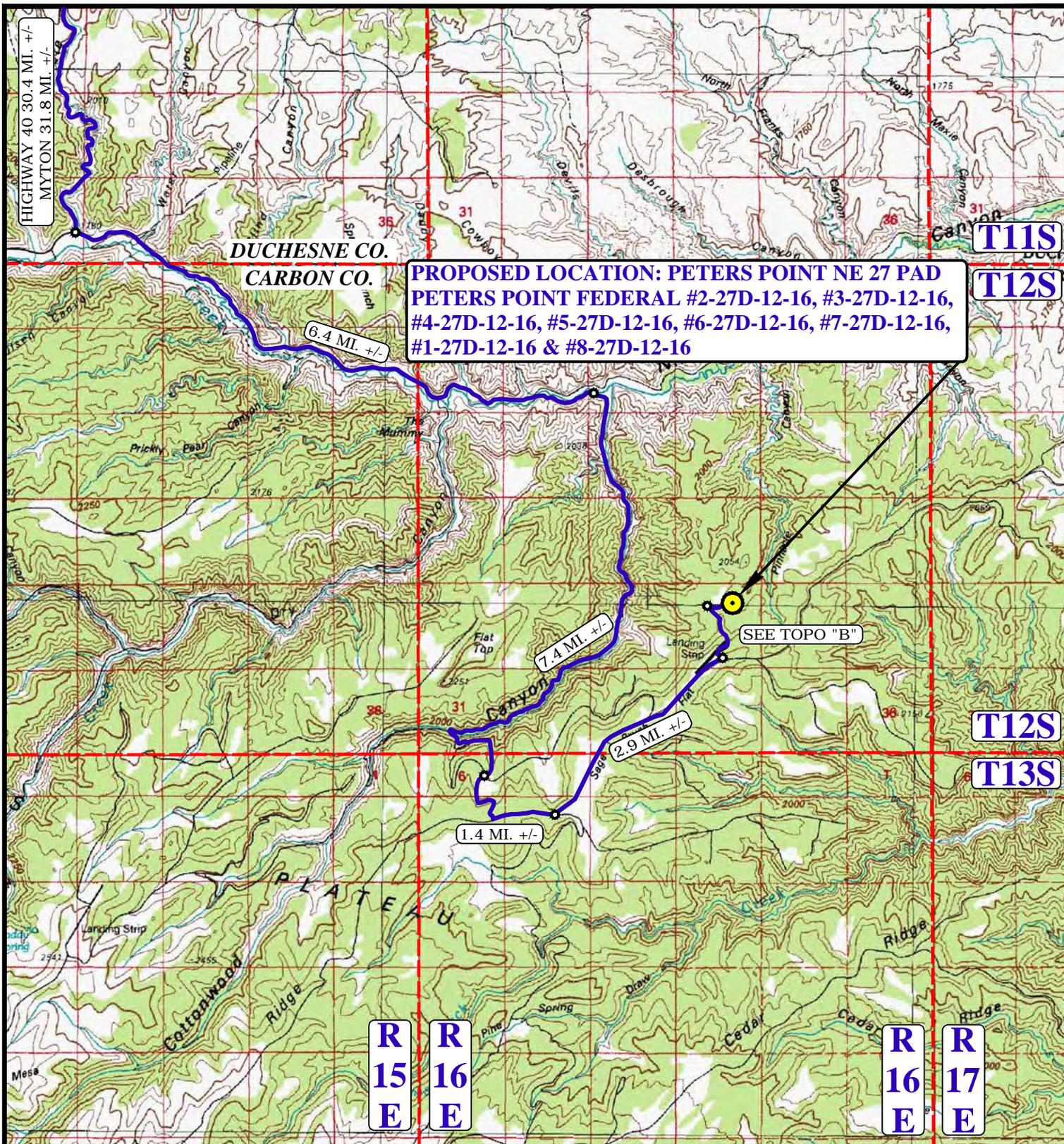
**ENERVEST OPERATING, LLC**

PETERS POINT NE 27 PAD  
 PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
 #4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
 #1-27D-12-16 & #8-27D-12-16  
 SECTION 27, T12S, R16E, S.L.B.&M.  
 NW 1/4 NE 1/4



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

DRAWN BY: J.J	DATE DRAWN: 09-21-10
	REVISED: 07-10-14 L.S.
<b>ROAD DESCRIPTION</b>	



**LEGEND:**

**PROPOSED LOCATION**

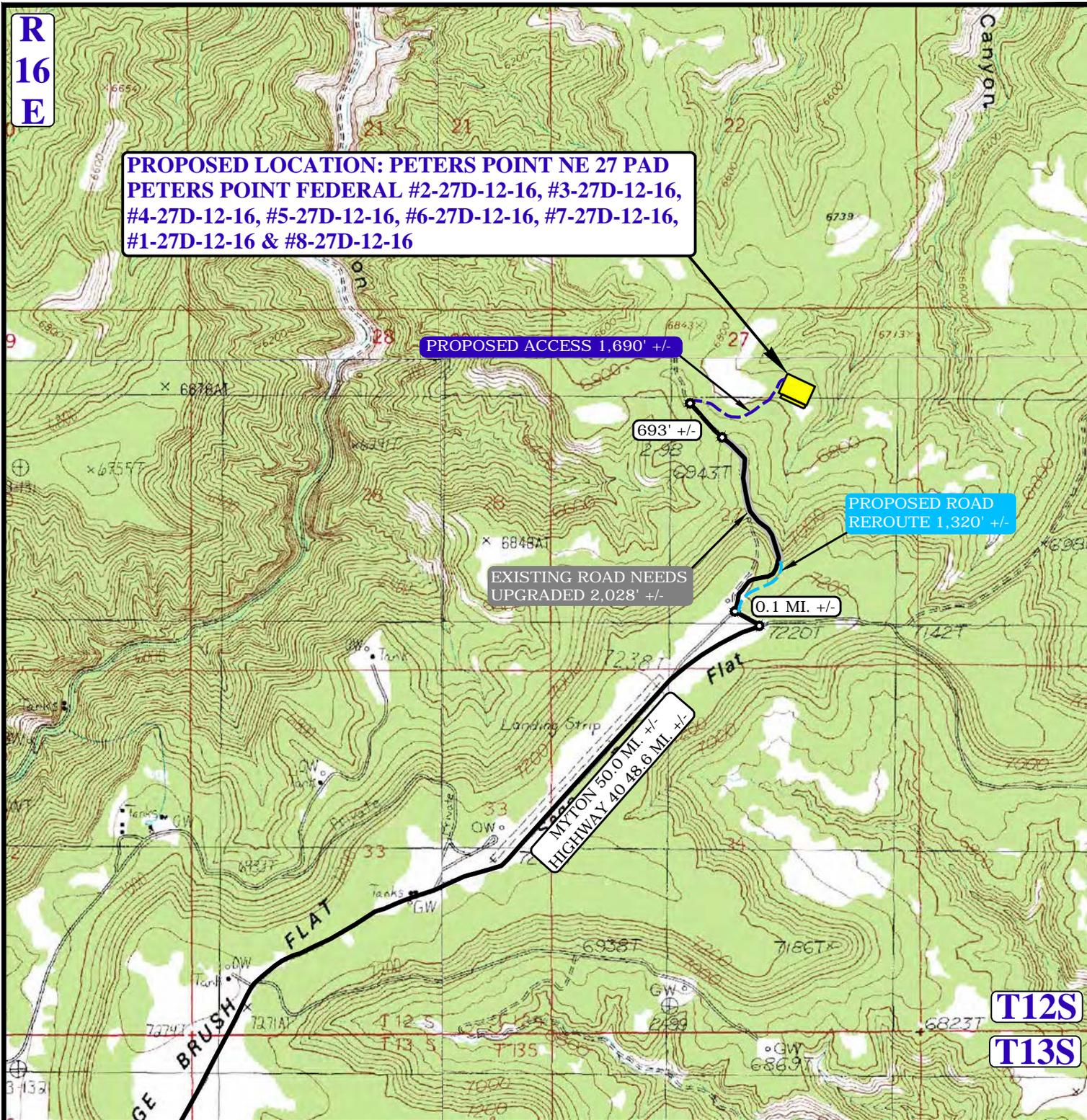
**ENERVEST OPERATING, LLC**

**PETERS POINT NE 27 PAD**  
**PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,**  
**#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,**  
**#1-27D-12-16 & #8-27D-12-16**  
**SECTION 27, T12S, R16E, S.L.B.&M.**  
**NW 1/4 NE 1/4**



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

DRAWN BY: J.J	DATE DRAWN: 09-21-10
SCALE: 1:100,000	REVISED: 07-10-14 L.S.
<b>ACCESS ROAD MAP</b>	<b>TOPO A</b>



**PROPOSED LOCATION: PETERS POINT NE 27 PAD  
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16**

**PROPOSED ACCESS 1,690' +/-**

**EXISTING ROAD NEEDS  
UPGRADED 2,028' +/-**

**0.1 MI. +/-**

**PROPOSED ROAD  
REROUTE 1,320' +/-**

**MYTTON 50.0 MI. +/-  
HIGHWAY 40 48.6 MI. +/-**

**T12S**

**T13S**

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

**LEGEND:**

- EXISTING ROAD
- PROPOSED ROAD
- PROPOSED ROAD RE-ROUTE
- EXISTING ROAD TO BE UPGRADED

**ENERVEST OPERATING, LLC**

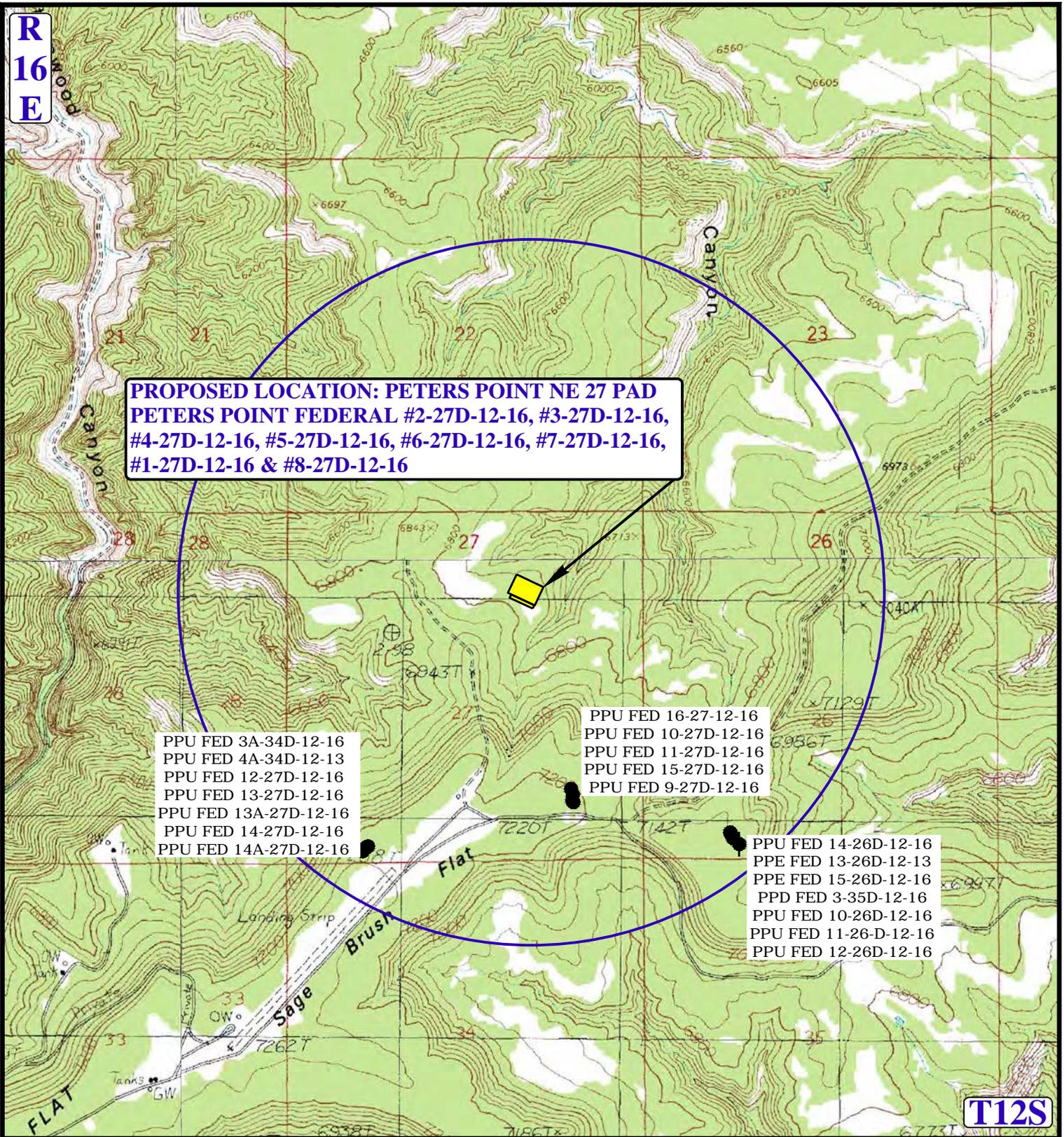
**PETERS POINT NE 27 PAD  
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4**



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

DRAWN BY: JJ	DATE DRAWN: 09-21-10
SCALE: 1" = 2000'	REVISED: 07-10-14 L.S.
<b>ACCESS ROAD MAP</b>	<b>TOPO B</b>

**R  
16  
E**



**PROPOSED LOCATION: PETERS POINT NE 27 PAD  
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16**

PPU FED 3A-34D-12-16  
PPU FED 4A-34D-12-13  
PPU FED 12-27D-12-16  
PPU FED 13-27D-12-16  
PPU FED 13A-27D-12-16  
PPU FED 14-27D-12-16  
PPU FED 14A-27D-12-16

PPU FED 16-27-12-16  
PPU FED 10-27D-12-16  
PPU FED 11-27D-12-16  
PPU FED 15-27D-12-16  
PPU FED 9-27D-12-16

PPU FED 14-26D-12-16  
PPE FED 13-26D-12-13  
PPE FED 15-26D-12-16  
PPD FED 3-35D-12-16  
PPU FED 10-26D-12-16  
PPU FED 11-26-D-12-16  
PPU FED 12-26D-12-16

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊕ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

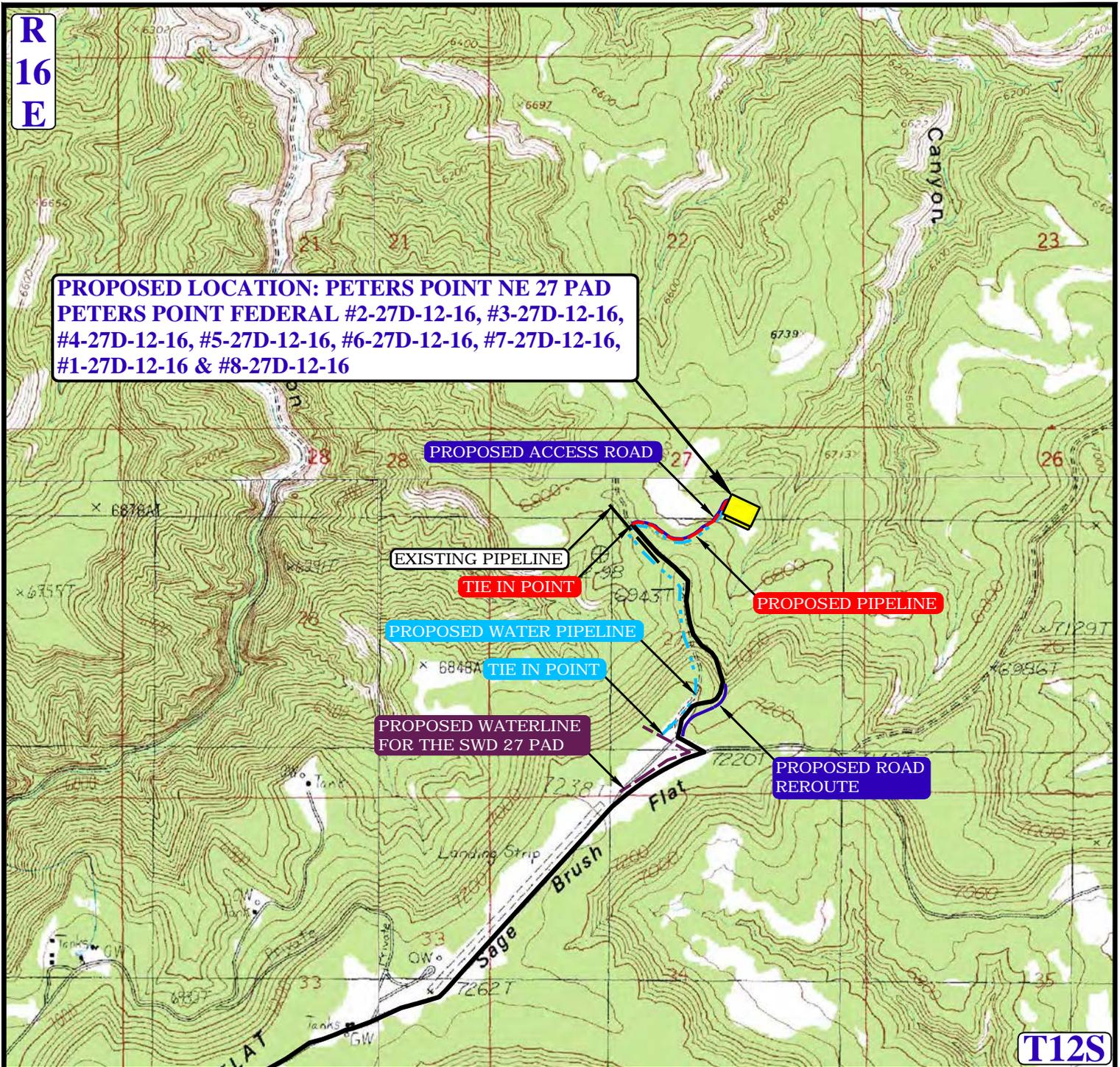
**ENERVEST OPERATING, LLC**

**PETERS POINT NE 27 PAD  
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4**



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

DRAWN BY: J.J	DATE DRAWN: 09-21-10
SCALE: 1" = 2000'	REVISED: 07-10-14 L.S.
<b>WELL PROXIMITY MAP</b>	<b>TOPO C</b>



**PROPOSED LOCATION: PETERS POINT NE 27 PAD  
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16**

**PROPOSED ACCESS ROAD**

**EXISTING PIPELINE**

**TIE IN POINT**

**PROPOSED PIPELINE**

**PROPOSED WATER PIPELINE**

**TIE IN POINT**

**PROPOSED WATERLINE FOR THE SWD 27 PAD**

**PROPOSED ROAD REROUTE**

**T12S**

**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,674' +/-**

**APPROXIMATE TOTAL WATER PIPELINE DISTANCE = 5,185' +/-**

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

**LEGEND:**

- PROPOSED ROAD
- - - EXISTING PIPELINE
- - - PROPOSED PIPELINE
- - - PROPOSED PIPELINE (SERVICING OTHER WELLS)
- · - · - PROPOSED WATER LINE

**ENERVEST OPERATING, LLC**

**PETERS POINT NE 27 PAD  
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4**



DRAWN BY: J.J	DATE DRAWN: 09-21-10
SCALE: 1" = 2000'	REVISED: 07-10-14 L.S.
<b>PIPELINE MAP</b>	<b>TOPO D</b>



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



PHOTO: VIEW OF LOCATION STAKES

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY

**ENERVEST OPERATING, LLC**

PETERS POINT NE 27 PAD  
PETERS POINT FEDERAL #2-27D-12-16, #3-27D-12-16,  
#4-27D-12-16, #5-27D-12-16, #6-27D-12-16, #7-27D-12-16,  
#1-27D-12-16 & #8-27D-12-16  
SECTION 27, T12S, R16E, S.L.B.&M.  
NW 1/4 NE 1/4



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

DRAWN BY: J.J	DATE DRAWN: 09-21-10
TAKEN BY: D.R.	REVISED: 07-10-14 L.S.
<b>LOCATION PHOTOS</b>	<b>PHOTO</b>



2580 Creekview Road  
Moab, Utah 84532  
435.650.3866

August 27, 2014

Mrs. Diana Mason  
State of Utah  
Division of Oil Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Request for Exception to Spacing – EnerVest Operating, LLC

**Peters Point 5-27D-12-16**

NWNE, 1251' FNL, 1797' FEL, Sec. 27, T12S, R16E (surface)  
SWNW, 2049' FNL, 704' FWL, Sec. 27, T12S, R16E (bottom)  
SLB&M, Carbon County, Utah

Dear Diana:

EnerVest Operating, LLC respectfully submits this request for exception to spacing (R649-3-11) based on topography since the well is located less than 460 feet to the drilling unit boundary. EnerVest Operating, LLC is the only owner and operator within 460 feet of the surface and target location as well as all points along the intended well bore path and are not within 460 feet of any uncommitted tracts or a unit boundary.

Thank you very much for your timely consideration of this application. Please feel free to contact George Bradley at 713-970-1845 or [gbradley@EnerVest.net](mailto:gbradley@EnerVest.net) or myself should you have any questions or need additional information.

Sincerely,

Don Hamilton  
Agent for EnerVest Operating, LLC

cc: George Bradley, EnerVest Operating, LLC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Gas Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU79178
<b>2. NAME OF OPERATOR:</b> ENERVEST OPERATING, LLC	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800, Houston, TX, 77002	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1251 FNL 1797 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 27 Township: 12.0S Range: 16.0E Meridian: S	<b>8. WELL NAME and NUMBER:</b> PETERS POINT 5-27D-12-16
<b>PHONE NUMBER:</b> 713 659-3500 Ext	<b>9. API NUMBER:</b> 43007500930000
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	<b>COUNTY:</b> CARBON
<b>STATE:</b> UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 1/15/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EnerVest Operating, LLC requests a one year drilling permit extension for the referenced well. This is the fourth extension that has been requested.

Approved by the  
 November 25, 2014  
 Oil, Gas and Mining

Date: \_\_\_\_\_  
 By: 

<b>NAME (PLEASE PRINT)</b> Don Hamilton	<b>PHONE NUMBER</b> 435 650-3866	<b>TITLE</b> Permitting Agent
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/15/2014	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43007500930000**

API: 43007500930000

Well Name: PETERS POINT 5-27D-12-16

Location: 1251 FNL 1797 FEL QTR NWNE SEC 27 TWNP 120S RNG 160E MER S

Company Permit Issued to: ENERVEST OPERATING, LLC

Date Original Permit Issued: 11/16/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
- Has the approved source of water for drilling changed?  Yes  No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Don Hamilton

Date: 11/15/2014

Title: Permitting Agent Representing: ENERVEST OPERATING, LLC

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU79178			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
		<b>7. UNIT or CA AGREEMENT NAME:</b>			
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<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800 , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 659-3500 Ext	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED			
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	<b>STATE:</b> UTAH				
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/29/2015  <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION           </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER           </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION             OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.					
EnerVest Operating L.L.C. spud Peters Point 5-27D-12-16 on 1/29/2015.					
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 04, 2015</b>					
<b>NAME (PLEASE PRINT)</b> Rebecca Tidwell	<b>PHONE NUMBER</b> 713 970-1847	<b>TITLE</b> Regulatory Analyst			
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/4/2015				

**RECEIVED**  
**FEB 09 2015**  
 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT  
**DIV. OF OIL, GAS & MINING**  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

*new*

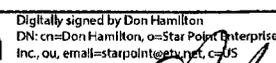
FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU79178	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator EnerVest Operating, LLC		7. If Unit or CA Agreement, Name and No.	
Contact: George Bradley E-Mail: gbradley@EnerVest.net		8. Lease Name and Well No. PETERS POINT 5-27D-12-16	
3a. Address 1001 Fannin Street, Suite 800 Houston, Texas 77002-6707		9. API Well No. 43007 50043	
3b. Phone No. (include area code) Ph: 713-970-1845		10. Field and Pool, or Exploratory UNDEFINED	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWNE 1251FNL 1797FEL At proposed prod. zone SWNW 2049 FNL 704 FWL		11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T12S R16E Mer SLB	
14. Distance in miles and direction from nearest town or post office* 51 MILES SOUTHWEST OF MYTON, UTAH		12. County or Parish CARBON	13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 600	16. No. of Acres in Lease 80.00	17. Spacing Unit dedicated to this well 40.00	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 8 FEET	19. Proposed Depth 8512 MD 7276 TVD	20. BLM/BIA Bond No. on file <del>B008887</del> BTR UTB 000615	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6772 GL	22. Approximate date work will start 11/01/2014	23. Estimated duration 40 DAYS (D&C)	

**24. Attachments**

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

- |  |  |
|--|--|
| <ol 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 shall be filed with the appropriate Forest Service Office).</li> </ol> | <ol 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 authorized officer.</li> </ol> |
|--|--|

25. Signature (Electronic Submission)		Name (Printed/Typed) Don Hamilton Ph: 435-650-3866; starpoint@etv.net		Date 08/25/2014	
Title PERMITTING AGENT		 Digitally signed by Don Hamilton DN: cn=Don Hamilton, o=Star Point Enterprises, Inc., ou, email=starpoint@etv.net, c=US Date: 2014.08.27 13:15:06 -0600			
Approved by (Signature)		Name (Printed/Typed)		Date	
Title FIELD MANAGER		Office PRICE FIELD OFFICE		1/23/15	

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 #96736 verified by the BLM Well Information System**  
**For BILL BARRETT CORP., sent to the Moab**  
**Committed to AFMSS for processing by ANITA JONES on 11/04/2010 ()**

CONDITIONS OF APPROVAL ATTACHED

COPY

NOTICE OF APPROVAL

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



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
PRICE FIELD OFFICE**



125 SOUTH 600 WEST      PRICE, UT 84501      (435) 636-3600

**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** EnerVest Operating LLC  
**Well No:** Peters Point 5-27D-12-16  
**API No:** 43-007-50093

**Surface Location:** NWNE-Sec 27-T12S-R16E  
**Lease No:** UTU-79178  
**Agreement:**

Title	Name	Office Phone Number	Cell Phone Number
Field Manager & Authorized Officer:	Ahmed Mohsen	(435)-636-3637	
Petroleum Engineer:	Leslie Peterson	(435) 636-3661	(435) 650-9136
Petroleum Engineering Technician:	Angela Wadman	(435) 636-3662	(435) 632-8595
Petroleum Engineering Technician:	James Lamb	(435) 636-3615	(435) 650-9140
NRS/Physical Scientist:	Don Stephens	(435) 636-3608	
NRS/Physical Scientist:	Anita Jones	(435)-636-3668	

**Fax: (435) 636-3657**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

**COPY**

Location Construction (Notify NRS)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Petroleum Eng. Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Petroleum Eng. Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

UDOGM

**DRILLING PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DRILLING & PRODUCTION COAs**

- While drilling the surface hole with air, a float valve shall be run above the bit, per Onshore Order #2 Part III.E Special Drilling Operations.
- When cementing surface casing, if cement returns are not seen at surface, mitigation measures shall be taken to ensure the groundwater and all usable waters are properly protected per Onshore Order #2 Part III.B.1(c) Casing and Cementing Requirements. Cementing jobs where cement reaches surface, then falls back downhole, shall be topped off as necessary until such time the cement remains in-place at surface, prior to starting drilling operations on the next casing string.
- When cementing the production casing, the cement job shall contain sufficient volume to attempt full coverage of exposed hole behind pipe to protect all usable waters, lost circulation zones and other minerals which may be encountered while drilling to total depth, and also provide a minimum 200' foot overlap above the surface casing shoe. A cement bond log (CBL) shall be run to determine the top of cement behind the production casing, and a field copy sent to the Price Field Office.

**VARIANCES GRANTED**

- Operator's request for a variance to use an electronic flow meter for gas measurement (Onshore Order #5 Measurement of Gas) is granted as long as it meets or exceeds the requirements of Utah NTL 2007-1 regarding the use of Electronic Flow Computers.
- Operator's request for variance from Onshore Order #5 Part III.C.3 Gas Measurement by Orifice Meter to use a flow conditioner on this well instead of straightening vanes is approved with the following conditions:
  1. Flow conditioners must be installed in accordance with the manufacturer's specifications.
  2. The make, model, and location of flow conditioner must be clearly identified and available to BLM on-site at all times.
  3. Thermowells must be placed downstream of the orifice in accordance with API 14.3 (1985).
  4. This is a provisional approval that is subject to change pending final review and analysis by BLM. If BLM determines that this flow conditioner cannot meet or exceed the minimum standards required by Onshore Order #5, you will be required to retrofit the installation to comply with BLM requirements, or replace the installation with one that complies with AGA Report Number 3, 1985. The time frame for compliance will be specified by the Price Field Office.

## **STANDARD OPERATING REQUIREMENTS**

- The requirements included in Onshore Order #2 Drilling Operations shall be followed.
- A copy of the approved Application for Permit to Drill (APD) for this well shall be on location at all times once drilling operations have commenced.
- The Price Field Office petroleum engineer will be notified 24 hours prior to spudding the well.
- Notify the Price Field Office petroleum engineering technician at least 24 hours in advance of casing cementing operations, BOPE tests and casing pressure or mud weight equivalency tests.
- The requirements of Onshore Order #6 Hydrogen Sulfide Operations shall be followed when operations are being conducted in zones which are known or could reasonably be expected to contain H<sub>2</sub>S or which, when flared, could produce SO<sub>2</sub>, in such concentrations that upon release could constitute a hazard to human life. These requirements do not apply when operating in zones where H<sub>2</sub>S is presently known not to be present or cannot reasonably be expected to be present in concentrations of 100 ppm or more in the gas stream.
- Any deviation from the permitted APD's proposed drilling program shall have prior approval from the petroleum engineer. Changes may be requested verbally (to be followed by a written sundry sent to this office), or submitted by written sundry if time warrants.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed. The closing unit controls shall remain unobstructed and readily accessible at all times, and choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily, and the inspections recorded in the daily drilling report. Components shall be operated and tested, as required by Onshore Order #2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder, and not by the rig pumps. Test results shall be reported in the driller's log.
- All casing strings below the conductor pipe shall be pressure tested to .22 psi/foot or 1500 psi (whichever is greater), but not to exceed 70% of the internal yield pressure.
- No aggressive/fresh hard-banded drill pipe shall be used in the casing design. The proposed use of non-API standard casing must be approved in advance by the petroleum engineer.
- During drilling operations, daily drilling reports shall be submitted by sundry on a weekly basis to the Price Field Office. Within 30 days of finishing drilling and completion operations, a chronological daily operations history shall be submitted by sundry to this office. A copy of all logs run on this well shall be submitted digitally (in PDF or TIFF format) to the Price Field Office.
- A complete set of angular deviation and directional surveys for this directional well will be submitted to the Price Field Office petroleum engineer within 30 days of completing the well.
- The venting or flaring of gas while initially testing the well shall be done in accordance with the requirements specified in Notice to Lessees #4A, and shall not exceed a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. Additional time needed to vent or flare gas during production operations requires prior approval from the Price Field Office.

### **STANDARD OPERATING REQUIREMENTS (cont.)**

- Should this well be successfully completed as a producing well, the Price Field Office must be notified within 5 business days following the date the well has first sales.
- Proposed production operations that involve: 1) the commingling of production from wells located on-lease or off-lease, 2) off-lease measurement, or 3) off-lease storage shall have prior written approval from the Price Field Office.
- Operators shall meet the requirements listed in Onshore Order #4 Measurement of Oil and Onshore Order #5 Measurement of Gas. New oil and gas meters shall be calibrated prior to initial product sales. The operator (or its contractors) is responsible for providing the date and time of the initial meter calibration (and all future meter proving schedules) to the petroleum engineering technician. Copies of all meter calibration reports that are performed shall be submitted to the Price Field Office upon request.
- In accordance with 43 CFR 3162.4-3, this well's production data shall be reported on the "Monthly Report of Operations" starting with the month in which drilling operations commence and continue each month until the well is plugged and abandoned.
- The operator is responsible for submitting the information required in 43 CFR 3162.4-1 Well Records and Reports, including BLM Form 3160-4, Well Completion and Recompletion Report and Log which must be submitted to the Price Field Office within 30 days of completing the well.
- Onshore Order #7 authorizes the disposal of water produced from this well in the reserve pit for a period of 90 days after the date of initial production. A permanent disposal method must be submitted and approved by this office, and in operation prior to the end of this 90-day period.
- The requirements of Onshore Order #3 Site Security shall be implemented, and include (as applicable): 1) all lines entering and leaving hydrocarbon storage tanks shall be effectively sealed and seal records maintained, 2) no by-passes are allowed to be constructed around gas meters, 3) a site facility diagram shall be submitted to the Price Field Office within 60 days following construction of the facilities.
- Additional construction that is proposed, or the proposed alteration of existing facilities (including roads, gathering lines, batteries, etc.), which will result in the disturbance of new ground, requires prior approval of the Price Field Office natural resource specialist.
- This well and its associated facilities shall have identifying signs on location in accordance with 43 CFR 3162.6 requirements.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the Price Field Office natural resource specialist.
- The Price Field Office petroleum engineer shall be notified 24 hours in advance of the plugging of the well (unless the plugging is to take place immediately upon receipt of oral approval), so that a technician may have sufficient time to schedule and witness the plugging operations.
- If operations are to be suspended on a well for more than 30 days, prior approval of the Price Field Office shall be obtained, and notification also given before operations resume.

**SURFACE USE  
CONDITIONS OF APPROVAL**

Project Name: Enervest Peter's Point NE 27 Pad

Operator: Enervest Operating LLC

**List of Wells:**

Name	Number	Section	TWP/RNG
Peters Point	1-27D-12-16	27	12S/16E
Peters Point	2-27D-12-16		
Peters Point	3-27D-12-16		
Peters Point	4-27D-12-16		
Peters Point	5-27D-12-16		
Peters Point	6-27D-12-16		
Peters Point	7-27D-12-16		
Peters Point	8-27D-12-16		

**I To be followed as Conditions of Approval:**

The following attachments from the Record of Decision West Tavaputs Plateau Natural Gas Full Field Development Plan:

Attachment 2	Conditions of Approval and Stipulations
Attachment 3	Green River District Reclamation Guidelines
Attachment 4	Programmatic Agreement
Attachment 5	Special Protection Measures for Wildlife
Attachment 6	Agency Wildlife Mitigation Plan
Attachment 7	Long-Term Monitoring Plan for Water Resources
Attachment 8	Mitigation Compliance and Monitoring Plan

**II Site Specific Conditions of Approval**

1. A pre-construction field meeting may be conducted prior to beginning any dirt work approved under this APD. The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to beginning operations so that the meeting can be scheduled. The operator is responsible for having all contractors present (dirt contractors, drilling contractor, pipeline contractor, project oversight personnel, etc.) including the overall field operations superintendent, and for providing all contractors copies of the approved APD(s), project map and BLM Conditions of Approval pertinent to the work that each will be doing.

2. The cuttings trench shall be lined.
3. The cuttings shall not be removed from the location without prior approval of the Authorized Officer.
4. The operator shall on an annual basis report to the BLM the acre feet of water used for the project with a total for each type of source. This report shall contain the information found under monitoring on page 53 of attachment 9 (Biological Opinion) of the WTP ROD and shall be reported to BLM by September 15, of each year.
5. When water is pumped directly from Nine Mile Creek or perennial drainages, the following measures shall be applied to reduce or eliminate direct impacts to habitat for the Colorado River fish species. Where directed by the BLM, the operator will construct erosion control devices (e.g., riprap, bales, and heavy vegetation) at culvert outlets. All construction activities shall be performed to retain natural water flows.
6. Contact Don Stephens, Natural Resource Specialist, (435) 636-3608, Bureau of Land Management, Price Field Office, if there are any questions concerning these surface use COAs.
7. A ROW is required for the access road, well pad, and pipelines.

### **III Standard Conditions of Approval**

#### **A. General**

1. If any cultural values [sites, artifacts, human remains] are observed during operation of this lease/permit/right-of-way, they will be left intact and the Price Field Manager notified. The authorized officer will conduct an evaluation of the cultural values to establish appropriate mitigation, salvage or treatment. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized BLM officer (AO).

#### **B. Construction**

1. Remove all available topsoil from constructed well locations including areas of cut and fill, and stockpile at the site. Topsoil will also be salvaged for use in reclamation on all other areas of surface disturbance (roads, pipelines, etc.). Clearly segregate topsoil from excess spoil material.
2. During construction, emissions of particulate matter from well pad and road construction would be minimized by application of water or other non-saline dust suppressants with at least 50 percent control efficiency. Dust inhibitors (surfacing materials, non-saline dust suppressants, and water) will be used as necessary on unpaved roads that present a fugitive dust problem. The use of chemical dust suppressants on public surface will require prior approval from the BLM Authorized Officer.
3. The operator shall submit a Sundry Notice (Form 3160-5) to BLM for approval prior to construction of any new surface disturbing activities that are not specifically addressed in the approved APD.

### **C. Operations/Maintenance**

1. In accordance with OSHA requirements, a file will be maintained onsite containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction, drilling, completion and production operations.

### **D. Dry Hole/Reclamation**

1. Phased reclamation plans will be submitted to BLM for approval prior to individual POD facility abandonment via a Notice of Intent (NOI) Sundry Notice.
2. BLM will not release the performance bond until all disturbed areas associated with the APD/POD have been successfully revegetated (evaluation will be made after the second complete growing season) and has met all other reclamation goals of the surface owner and surface management agency.
3. A Notice of Intent to Abandon and a Subsequent Report of Abandonment must be submitted for abandonment approval.
4. For performance bond release approval, a Final Abandonment Notice (with a surface owner release letter on split-estate) must be submitted prior to a final abandonment evaluation by BLM.

### **E. Producing Well**

1. An interim reclamation plan shall be submitted to BLM within 90 days of APD approval.
2. Upgrade and maintain access roads and drainage control (e.g., culverts, drainage dips, ditching, crowning, surfacing, etc.) as necessary and as directed by the BLM Authorized Officer to prevent soil erosion and accommodate safe, environmentally-sound access.
3. Prior to construction of production facilities not specifically addressed in the APD, the operator shall submit a Sundry Notice to the BLM Authorized Officer for approval.

### **F. Roads and Pipelines**

1. Roads constructed on BLM lands shall be constructed to allow for drainage and erosion control. The operator is responsible for maintenance of all roads authorized through the lease or right-of-way. Construction and maintenance shall comply with Class III Road Standards with a 16-ft wide graveled travel surface as described in BLM Manual Section 9113, and the BLM Gold Book standards, except as modified by BLM. Maintenance may include but is not limited to grading, applying gravel, snow removal, ditch cleaning, and headcut restoration/prevention.
2. The operator may be required to provide an inspector under the direction of a registered professional engineer (PE) at all times during road construction. A PE shall certify (statement with PE stamp) that the road was constructed to the required Bureau of Land Management (BLM) road standards.
3. Erosion-control structures such as water bars, diversion channels, and terraces will be constructed to divert water and reduce soil erosion on the disturbed area. Road ditch turnouts shall be equipped with energy dissipaters as needed to avoid erosion. Where roads interrupt overland sheet-flow and convert this runoff to channel flow, ditch turnouts shall be designed to reconvert channel flow to sheet flow. As necessary cut banks, road drainages, and road crossings shall be armored or otherwise engineered to prevent headcutting.



API# 4300950023  
NWNE 5-27 T12SR16

Carol Daniels <caroldaniels@utah.gov>

LEASE# UTU 99178

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## NOTICE OF TD AND IMPENDING CASING AND CEMENT JOB.

1 message

---

H&P 276 <h&p276@enervest.net>

Mon, Feb 9, 2015 at 9:08 PM

To: "PR\_OPReport, BLM\_UT" <blm\_ut\_pr\_opreport@blm.gov>, DENNIS INGRAM <dennisingram@utah.gov>, CAROL DANIELS <caroldaniels@utah.gov>, "Munkres, Brett" <bmunkres@enervest.net>

## NOTICE

ENERVEST OPERATING LLC ALONG WITH H & P RIG 276 WILL BE EXPECTING TO

TD THE ~~PETERS POINT 5-27D-12-16~~ WELL AT A DEPTH OF 8340' ON 2-10-2015.

WE WILL BE LOGGING THE WELL AND THEN RUNNING CASING AND CEMENTING.

THANK YOU,

MICHAEL BLAKLEY

ENERVEST OPERATING

RIG PHONE-970-812-0021

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU79178																														
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>																														
		<b>7. UNIT or CA AGREEMENT NAME:</b>																														
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> PETERS POINT 5-27D-12-16																															
<b>2. NAME OF OPERATOR:</b> ENERVEST OPERATING, LLC	<b>9. API NUMBER:</b> 43007500930000																															
<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800 , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 659-3500 Ext	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1251 FNL 1797 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 27 Township: 12.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> CARBON																														
		<b>STATE:</b> UTAH																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/14/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input type="text" value="Production Start-Up"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Production Start-Up"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.																																
Peters Point 5-27D-12-16 had first production on 04/13/2015.																																
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 14, 2015</b>																														
<b>NAME (PLEASE PRINT)</b> Rebecca Tidwell	<b>PHONE NUMBER</b> 713 970-1847	<b>TITLE</b> Regulatory Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/14/2015																															

Form 3160-4  
(March 2012)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
 Other: \_\_\_\_\_

5. Lease Serial No.  
UTU79178

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
EnerVest Operating, LLC.

8. Lease Name and Well No.  
Peters Point 05-27D-12-16

3. Address 1001 Fannin ST., STE 800  
Houston, TX 77002

3a. Phone No. (include area code)  
7136593500

9. API Well No.  
4300750093

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
1251 FNL & 1797 FEL (NWNE)  
At surface

10. Field and Pool or Exploratory  
Peters Point

11. Sec., T., R., M., on Block and  
Survey or Area Sec. 27, T12S, R16E

At top prod. interval reported below  
At total depth 2049 FNL & 704 FWL

12. County or Parish  
Carbon

13. State  
UT

14. Date Spudded  
01/29/2015

15. Date T.D. Reached  
02/11/2015

16. Date Completed 04/11/2015  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
6772 GL

18. Total Depth: MD 8340  
TVD 7280

19. Plug Back T.D.: MD 8222  
TVD 7200

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Triple Combo

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20	16	65	0	40	0	0	0	0	0
12 1/4	9 5/8 J-55	36	0	1100	0	170sx/ Varicem	112	0	0
						170sx/ Halcem	0	0	0
7 7/8	4.5 P110	13.5	0	8302	0	636sx/ Econoem	382	0	0
						640sx/ Expand	0	0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch (incl North Horn)	2807	5816	5645-5793	.40	69	Open hole
B) Mesa Verde	6377	7675	5932-6091	.40	33	Open hole
C)			6467-6707	.40	48	Open hole
D)			7237-7304	.40	42	Open hole

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5645-8100	Fw/705060# 20/40 white sand + 70% CO2 Foam Frac: 572 tons CO2 + 5920 bbls total fluids.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/13/15	04/14/15	24	→	0	1853	10			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
24/64	SI	231	→	0	1853	10		Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

\*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)  
Flared during test period.

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Wasatch Mid Wasatch	3275 4713
				North Horn Dark Canyon	5816 7436
				Price River	7675

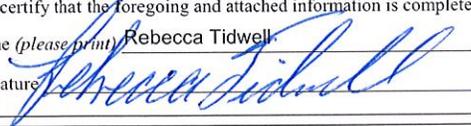
32. Additional remarks (include plugging procedure):

Copies of the original logs have been submitted to the State of Utah. Tubing will be ran in the well at a later date.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Rebecca Tidwell Title Regulatory Analyst  
 Signature  Date 04/27/2015

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.

26. PERFORATION RECORD (cont.)				
Stages	INTERVAL	SIZE	NO. HOLES	PERFORATION STATUS
5	7374-7513	.40	78	Open
4	7610-7658	.40	75	Open
3	7703-7763	.40	27	Open
2	7920-7930	.40	30	Open
1	8015-8100	.40	60	Open

\*Depth intervals for frac information same as perforation record intervals.

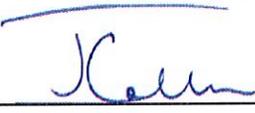


## Directional Survey Certification

2948 I-70 Business Loop  
Grand Junction, CO 81504  
(970)-245-9447 Fax (970)-245-9454

Operator	<u>EnerVest Operating LLC</u>
Well Name & No.	<u>Peters Point UF 5-27D-12-16</u>
County & State	<u>Carbon County, UT</u>
SDI Job No.	<u>420215DEF253351</u>
Rig	<u>H&amp;P 276</u>

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 1,250 feet to a measured depth of 8,340 feet is true and correct as determined from all available records.

  
Signature

23-Feb-15  
Date

**Janie Collins**  
Colorado District Well Planner  
Scientific Drilling International

Survey Report - Geographic



<b>Company:</b>	EnerVest	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 5' @ 6772.00ft (LR #36)
<b>Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 5' @ 6772.00ft (LR #36)
<b>Well:</b>	Peters Point UF 5-27D-12-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Grand Junction District

<b>Project</b>	Carbon County, UT NAD27		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Peters Point NE 27 Pad				
<b>Site Position:</b>		<b>Northing:</b>	518,596.16 usft	<b>Latitude:</b>	39.7487860
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,391,779.95 usft	<b>Longitude:</b>	-110.1065330
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	0.89 °

<b>Well</b>	Peters Point UF 5-27D-12-16 - Slot E					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	518,608.80 usft	<b>Latitude:</b>	39.7488219
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,391,750.79 usft	<b>Longitude:</b>	-110.1066360
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	0.00 ft	<b>Ground Level:</b>	6,772.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2014	5/29/2014	11.02	65.47	51,696

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	254.17	

<b>Survey Program</b>	<b>Date</b>	2/23/2015			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
31.00	31.00	Survey #1 - Conductor Survey (OH)	SDI Standard Keeper 103	SDI Standard Wireline Keeper ver 1.0.3	
83.00	1,112.00	Survey #2 - Surface MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1	
1,250.00	8,340.00	Survey #3 - Production MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Map Northing (usft)</b>	<b>Map Easting (usft)</b>	<b>Latitude</b>	<b>Longitude</b>	
0.00	0.00	0.00	0.00	0.00	0.00	518,608.80	2,391,750.79	39.7488219	-110.1066360	
31.00	0.39	145.82	31.00	-0.09	0.06	518,608.71	2,391,750.85	39.7488217	-110.1066358	
<b>SDI Conductor Survey</b>										
83.00	0.44	186.94	83.00	-0.43	0.13	518,608.37	2,391,750.93	39.7488208	-110.1066355	
<b>First SDI Surface MWD Survey</b>										
112.00	0.44	194.33	112.00	-0.65	0.09	518,608.15	2,391,750.90	39.7488202	-110.1066357	
143.00	1.14	212.08	142.99	-1.03	-0.10	518,607.77	2,391,750.71	39.7488191	-110.1066364	
172.00	1.58	241.08	171.99	-1.46	-0.60	518,607.32	2,391,750.21	39.7488179	-110.1066382	
202.00	2.73	236.16	201.96	-2.06	-1.56	518,606.71	2,391,749.27	39.7488163	-110.1066416	
231.00	3.26	238.18	230.93	-2.88	-2.83	518,605.87	2,391,748.01	39.7488140	-110.1066461	

## Survey Report - Geographic



<b>Company:</b>	EnerVest	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 5' @ 6772.00ft (LR #36)
<b>Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 5' @ 6772.00ft (LR #36)
<b>Well:</b>	Peters Point UF 5-27D-12-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
260.00	4.13	239.50	259.86	-3.85	-4.43	518,604.88	2,391,746.42	39.7488114	-110.1066518	
290.00	4.75	242.75	289.77	-4.96	-6.47	518,603.73	2,391,744.40	39.7488083	-110.1066590	
321.00	5.28	242.14	320.66	-6.22	-8.87	518,602.44	2,391,742.02	39.7488049	-110.1066676	
392.00	5.67	243.61	391.33	-9.30	-14.90	518,599.26	2,391,736.04	39.7487964	-110.1066890	
482.00	5.71	243.41	480.89	-13.28	-22.89	518,595.16	2,391,728.12	39.7487855	-110.1067174	
572.00	6.16	246.77	570.41	-17.19	-31.33	518,591.12	2,391,719.74	39.7487747	-110.1067474	
662.00	6.60	246.28	659.85	-21.18	-40.50	518,586.99	2,391,710.63	39.7487638	-110.1067801	
752.00	7.16	245.04	749.20	-25.63	-50.32	518,582.39	2,391,700.88	39.7487516	-110.1068150	
842.00	7.78	247.50	838.44	-30.32	-61.03	518,577.53	2,391,690.24	39.7487387	-110.1068531	
932.00	8.28	246.79	927.55	-35.21	-72.62	518,572.46	2,391,678.73	39.7487253	-110.1068943	
1,022.00	9.00	246.82	1,016.53	-40.53	-85.04	518,566.94	2,391,666.39	39.7487107	-110.1069385	
1,112.00	9.78	247.81	1,105.32	-46.19	-98.59	518,561.08	2,391,652.93	39.7486951	-110.1069867	
<b>Last SDI Surface MWD Survey</b>										
1,250.00	11.86	252.84	1,240.87	-54.80	-123.00	518,552.08	2,391,628.66	39.7486715	-110.1070735	
<b>First SDI Production MWD Survey</b>										
1,345.00	13.37	257.40	1,333.57	-60.08	-143.05	518,546.50	2,391,608.70	39.7486570	-110.1071448	
1,439.00	17.41	259.03	1,424.18	-65.13	-167.47	518,541.07	2,391,584.36	39.7486431	-110.1072316	
1,533.00	21.10	258.01	1,512.91	-71.32	-197.84	518,534.40	2,391,554.09	39.7486261	-110.1073396	
1,628.00	24.97	257.22	1,600.32	-79.31	-234.13	518,525.85	2,391,517.92	39.7486042	-110.1074687	
1,722.00	28.54	254.69	1,684.25	-89.63	-275.16	518,514.89	2,391,477.07	39.7485759	-110.1076146	
1,816.00	32.83	254.87	1,765.07	-102.22	-321.43	518,501.58	2,391,430.99	39.7485413	-110.1077792	
1,911.00	37.62	256.10	1,842.65	-115.92	-374.47	518,487.06	2,391,378.17	39.7485037	-110.1079679	
2,005.00	41.29	255.48	1,915.22	-130.59	-432.36	518,471.49	2,391,320.52	39.7484634	-110.1081738	
2,100.00	43.23	255.35	1,985.52	-146.68	-494.19	518,454.44	2,391,258.95	39.7484192	-110.1083936	
2,194.00	43.93	252.60	2,053.62	-164.57	-556.46	518,435.58	2,391,196.97	39.7483701	-110.1086151	
2,288.00	44.52	251.56	2,120.98	-184.75	-618.84	518,414.43	2,391,134.91	39.7483147	-110.1088370	
2,383.00	44.34	252.35	2,188.82	-205.35	-682.07	518,392.85	2,391,072.01	39.7482581	-110.1090618	
2,477.00	45.02	252.81	2,255.66	-225.13	-745.13	518,372.08	2,391,009.26	39.7482038	-110.1092861	
2,571.00	46.60	254.53	2,321.19	-244.07	-809.81	518,352.14	2,390,944.89	39.7481518	-110.1095162	
2,666.00	48.10	255.73	2,385.55	-261.99	-877.34	518,333.17	2,390,877.64	39.7481026	-110.1097563	
2,760.00	47.49	255.34	2,448.70	-279.38	-944.76	518,314.73	2,390,810.50	39.7480548	-110.1099961	
2,855.00	45.90	254.85	2,513.85	-297.16	-1,011.57	518,295.92	2,390,743.98	39.7480060	-110.1102337	
2,949.00	45.74	255.69	2,579.36	-314.30	-1,076.76	518,277.76	2,390,679.06	39.7479590	-110.1104656	
3,043.00	46.02	254.86	2,644.80	-331.45	-1,142.03	518,259.59	2,390,614.07	39.7479119	-110.1106977	
3,147.00	46.31	252.33	2,716.84	-352.64	-1,213.98	518,237.29	2,390,542.46	39.7478537	-110.1109536	
3,241.00	45.00	252.38	2,782.54	-373.02	-1,278.04	518,215.92	2,390,478.72	39.7477977	-110.1111814	
3,336.00	44.53	252.99	2,849.99	-392.93	-1,341.90	518,195.01	2,390,415.17	39.7477430	-110.1114086	
3,430.00	46.29	254.43	2,915.98	-411.69	-1,406.16	518,175.25	2,390,351.22	39.7476915	-110.1116371	
3,524.00	46.04	254.35	2,981.08	-429.94	-1,471.46	518,155.99	2,390,286.21	39.7476414	-110.1118693	
3,619.00	45.89	254.02	3,047.12	-448.55	-1,537.17	518,136.35	2,390,220.80	39.7475903	-110.1121030	
3,713.00	44.67	254.07	3,113.26	-466.91	-1,601.39	518,117.00	2,390,156.87	39.7475399	-110.1123314	
3,807.00	45.83	255.69	3,179.44	-484.31	-1,665.83	518,098.59	2,390,092.71	39.7474921	-110.1125606	
3,902.00	45.86	255.27	3,245.62	-501.40	-1,731.82	518,080.48	2,390,027.00	39.7474452	-110.1127953	
3,996.00	45.46	254.67	3,311.31	-518.84	-1,796.74	518,062.04	2,389,962.35	39.7473973	-110.1130262	
4,091.00	44.07	254.65	3,378.76	-536.53	-1,861.26	518,043.34	2,389,898.12	39.7473487	-110.1132556	
4,185.00	44.38	254.98	3,446.12	-553.71	-1,924.53	518,025.18	2,389,835.12	39.7473015	-110.1134807	
4,279.00	44.37	254.63	3,513.31	-570.94	-1,987.97	518,006.96	2,389,771.96	39.7472542	-110.1137063	
4,374.00	45.02	254.58	3,580.84	-588.67	-2,052.39	517,988.22	2,389,707.82	39.7472055	-110.1139354	
4,468.00	45.06	253.97	3,647.27	-606.70	-2,116.42	517,969.20	2,389,644.09	39.7471560	-110.1141631	
4,563.00	44.84	254.03	3,714.50	-625.20	-2,180.93	517,949.70	2,389,579.87	39.7471052	-110.1143925	
4,657.00	43.79	253.76	3,781.76	-643.42	-2,244.02	517,930.50	2,389,517.07	39.7470552	-110.1146169	
4,751.00	42.32	254.08	3,850.44	-661.19	-2,305.68	517,911.77	2,389,455.69	39.7470063	-110.1148362	
4,846.00	42.56	255.64	3,920.55	-677.93	-2,367.56	517,894.07	2,389,394.08	39.7469604	-110.1150563	
4,940.00	43.50	255.10	3,989.26	-694.14	-2,429.63	517,876.90	2,389,332.28	39.7469159	-110.1152770	
5,035.00	40.20	255.45	4,060.02	-710.25	-2,490.92	517,859.83	2,389,271.25	39.7468716	-110.1154950	

Survey Report - Geographic



<b>Company:</b>	EnerVest	<b>Local Co-ordinate Reference:</b>	Well Peters Point UF 5-27D-12-16 - Slot E
<b>Project:</b>	Carbon County, UT NAD27	<b>TVD Reference:</b>	GL 6772' & RKB 5' @ 6772.00ft (LR #36)
<b>Site:</b>	Peters Point NE 27 Pad	<b>MD Reference:</b>	GL 6772' & RKB 5' @ 6772.00ft (LR #36)
<b>Well:</b>	Peters Point UF 5-27D-12-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,129.00	36.43	256.26	4,133.76	-724.51	-2,547.41	517,844.70	2,389,214.98	39.7468324	-110.1156959	
5,224.00	33.01	256.32	4,211.83	-737.33	-2,599.97	517,831.06	2,389,162.63	39.7467972	-110.1158828	
5,318.00	28.50	256.37	4,292.59	-748.68	-2,646.67	517,818.98	2,389,116.11	39.7467661	-110.1160489	
5,413.00	24.62	255.73	4,377.55	-758.90	-2,687.89	517,808.12	2,389,075.06	39.7467380	-110.1161955	
5,507.00	20.64	253.68	4,464.30	-768.38	-2,722.78	517,798.09	2,389,040.32	39.7467119	-110.1163196	
5,602.00	18.29	256.08	4,553.86	-776.68	-2,753.32	517,789.33	2,389,009.91	39.7466891	-110.1164282	
5,696.00	16.36	256.87	4,643.59	-783.23	-2,780.53	517,782.35	2,388,982.80	39.7466711	-110.1165250	
5,790.00	13.28	254.96	4,734.46	-789.04	-2,803.86	517,776.17	2,388,959.57	39.7466552	-110.1166079	
5,885.00	11.29	261.49	4,827.28	-793.25	-2,823.60	517,771.66	2,388,939.90	39.7466436	-110.1166781	
5,979.00	7.94	264.87	4,919.95	-795.19	-2,839.17	517,769.47	2,388,924.36	39.7466383	-110.1167335	
6,074.00	4.70	291.42	5,014.38	-794.36	-2,849.33	517,770.15	2,388,914.19	39.7466406	-110.1167697	
6,168.00	1.61	346.86	5,108.24	-791.67	-2,853.22	517,772.78	2,388,910.26	39.7466480	-110.1167835	
6,262.00	0.65	48.76	5,202.22	-790.03	-2,853.12	517,774.42	2,388,910.33	39.7466525	-110.1167831	
6,357.00	0.60	104.04	5,297.22	-789.79	-2,852.23	517,774.67	2,388,911.22	39.7466531	-110.1167800	
6,451.00	0.64	118.15	5,391.21	-790.16	-2,851.29	517,774.32	2,388,912.16	39.7466521	-110.1167766	
6,545.00	0.88	134.44	5,485.20	-790.91	-2,850.31	517,773.58	2,388,913.15	39.7466500	-110.1167731	
6,640.00	0.78	155.61	5,580.19	-792.01	-2,849.52	517,772.49	2,388,913.96	39.7466470	-110.1167703	
6,734.00	0.77	143.49	5,674.18	-793.10	-2,848.88	517,771.41	2,388,914.62	39.7466440	-110.1167681	
6,828.00	0.80	149.09	5,768.18	-794.17	-2,848.17	517,770.35	2,388,915.35	39.7466411	-110.1167655	
6,923.00	0.78	159.95	5,863.17	-795.35	-2,847.61	517,769.19	2,388,915.93	39.7466378	-110.1167635	
7,017.00	0.70	161.91	5,957.16	-796.50	-2,847.21	517,768.04	2,388,916.34	39.7466347	-110.1167621	
7,111.00	0.70	186.99	6,051.15	-797.61	-2,847.10	517,766.93	2,388,916.47	39.7466316	-110.1167617	
7,205.00	0.88	191.95	6,145.14	-798.89	-2,847.32	517,765.65	2,388,916.27	39.7466281	-110.1167625	
7,300.00	1.14	202.20	6,240.13	-800.48	-2,847.83	517,764.06	2,388,915.79	39.7466238	-110.1167643	
7,394.00	0.26	326.74	6,334.12	-801.17	-2,848.30	517,763.36	2,388,915.33	39.7466219	-110.1167660	
7,489.00	0.55	314.32	6,429.12	-800.67	-2,848.74	517,763.85	2,388,914.87	39.7466232	-110.1167676	
7,589.00	0.41	328.67	6,529.12	-800.03	-2,849.27	517,764.48	2,388,914.33	39.7466250	-110.1167694	
7,677.00	1.01	55.74	6,617.11	-799.32	-2,848.79	517,765.20	2,388,914.80	39.7466269	-110.1167677	
7,772.00	1.36	66.26	6,712.09	-798.40	-2,847.07	517,766.15	2,388,916.51	39.7466295	-110.1167616	
7,866.00	1.10	88.05	6,806.07	-797.92	-2,845.15	517,766.66	2,388,918.42	39.7466308	-110.1167548	
7,961.00	0.96	112.11	6,901.06	-798.18	-2,843.50	517,766.42	2,388,920.08	39.7466301	-110.1167489	
8,055.00	1.20	125.75	6,995.04	-799.06	-2,841.97	517,765.57	2,388,921.62	39.7466277	-110.1167435	
8,149.00	1.25	151.97	7,089.02	-800.54	-2,840.69	517,764.11	2,388,922.92	39.7466236	-110.1167389	
8,244.00	1.49	159.92	7,183.99	-802.61	-2,839.78	517,762.05	2,388,923.87	39.7466179	-110.1167357	
<b>Last SDI Production MWD Survey</b>										
8,340.00	1.49	159.92	7,279.96	-804.95	-2,838.92	517,759.72	2,388,924.76	39.7466115	-110.1167326	
<b>Projection to TD</b>										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
31.00	31.00	-0.09	0.06	SDI Conductor Survey	
83.00	83.00	-0.43	0.13	First SDI Surface MWD Survey	
1,112.00	1,105.32	-46.19	-98.59	Last SDI Surface MWD Survey	
1,250.00	1,240.87	-54.80	-123.00	First SDI Production MWD Survey	
8,244.00	7,183.99	-802.61	-2,839.78	Last SDI Production MWD Survey	
8,340.00	7,279.96	-804.95	-2,838.92	Projection to TD	

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU79178	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> PETERS POINT 5-27D-12-16
<b>2. NAME OF OPERATOR:</b> ENERVEST OPERATING, LLC	<b>9. API NUMBER:</b> 43007500930000
<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800 , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 659-3500 Ext
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1251 FNL 1797 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 27 Township: 12.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> CARBON
<b>STATE:</b> UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/10/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Ran Tubing"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 06/10/2015 EnerVest Operating L.L.C. ran 2 3/8 tubing set depth @ 6818MD.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 July 07, 2015

<b>NAME (PLEASE PRINT)</b> Rebecca Tidwell	<b>PHONE NUMBER</b> 713 970-1847	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/18/2015	