

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER Painted Rock Federal 29-1		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT WILDCAT		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR WOLVERINE OPERATING COMPANY OF UTAH, LLC				7. OPERATOR PHONE 616 458-1150		
8. ADDRESS OF OPERATOR One Riverfront Plaza, Grand Rapids, MI, 49503				9. OPERATOR E-MAIL hbardolph@wolvgas.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 081346		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	471 FSL 2706 FEL	SESW	29	17.0 S	1.0 W	S
Top of Uppermost Producing Zone	471 FSL 2706 FEL	SESW	29	17.0 S	1.0 W	S
At Total Depth	471 FSL 2706 FEL	SESW	29	17.0 S	1.0 W	S
21. COUNTY SANPETE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 471		23. NUMBER OF ACRES IN DRILLING UNIT 40		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0		26. PROPOSED DEPTH MD: 13750 TVD: 13750		
27. ELEVATION - GROUND LEVEL 5785		28. BOND NUMBER		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 63-3169		

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<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 type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Paul Spiering	TITLE District Land Manager	PHONE 435 896-1943
SIGNATURE	DATE 09/14/2009	EMAIL pspiering@wolvgas.com
API NUMBER ASSIGNED 43039300360000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	24	20	0	500		
Pipe	Grade	Length	Weight			
	Grade J-55 Buttress	500	94.0			

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Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
I1	12.25	9.625	0	9500		
Pipe	Grade	Length	Weight			
	Grade L-80 LT&C	9500	53.5			

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Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
L1	8.5	7.625	0	11200		
Pipe	Grade	Length	Weight			
	Grade P-110 Other	1900	33.7			

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Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	6.5	5.5	0	13750		
Pipe	Grade	Length	Weight			
	Grade L-80 Buttress	2000	20.0			
	Grade L-80 LT&C	9000	20.0			
	Grade P-110 Other	2750	15.0			

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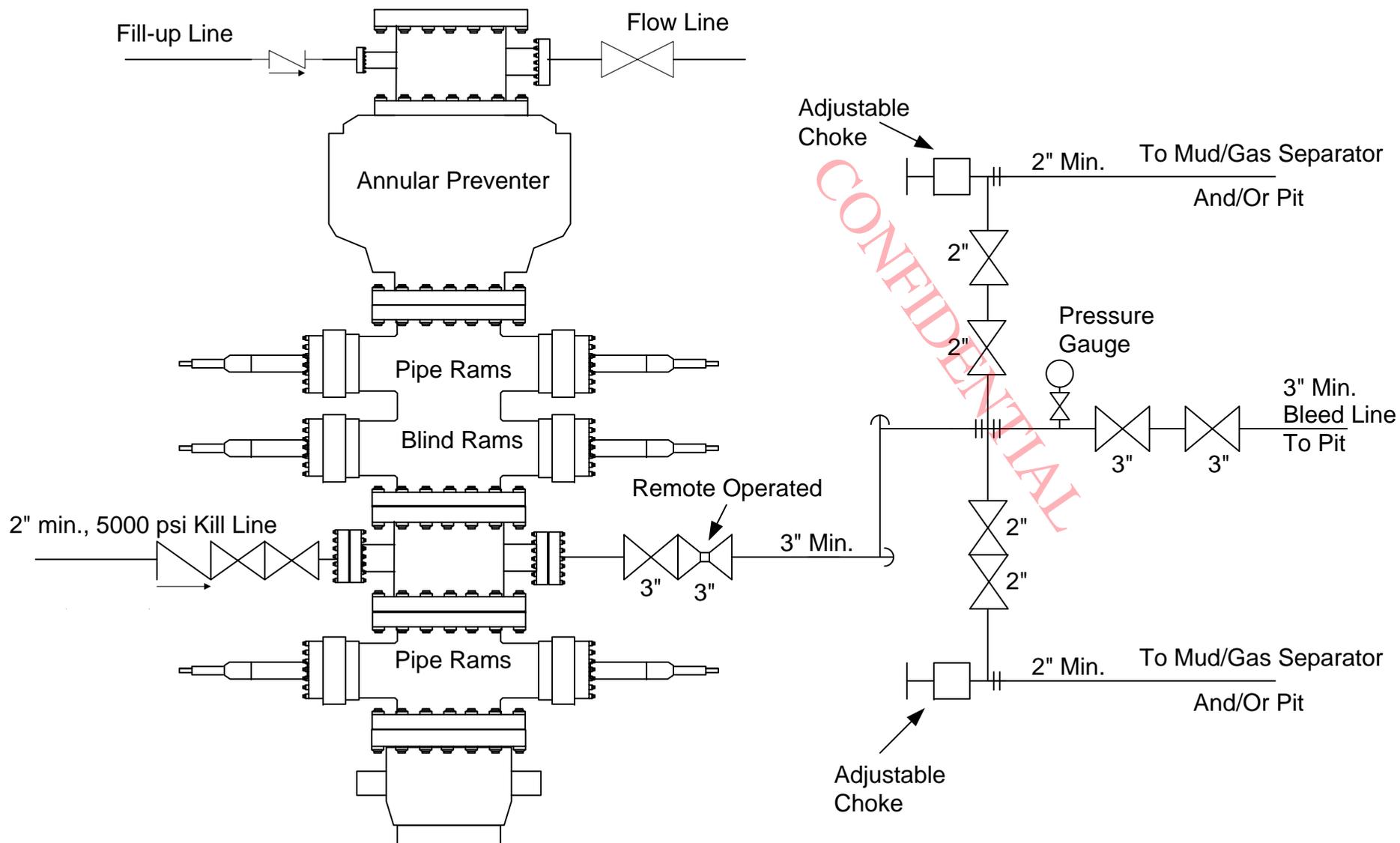
Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	17.5	13.375	0	2800		
Pipe	Grade	Length	Weight			
	Grade J-55 Buttress	2800	68.0			

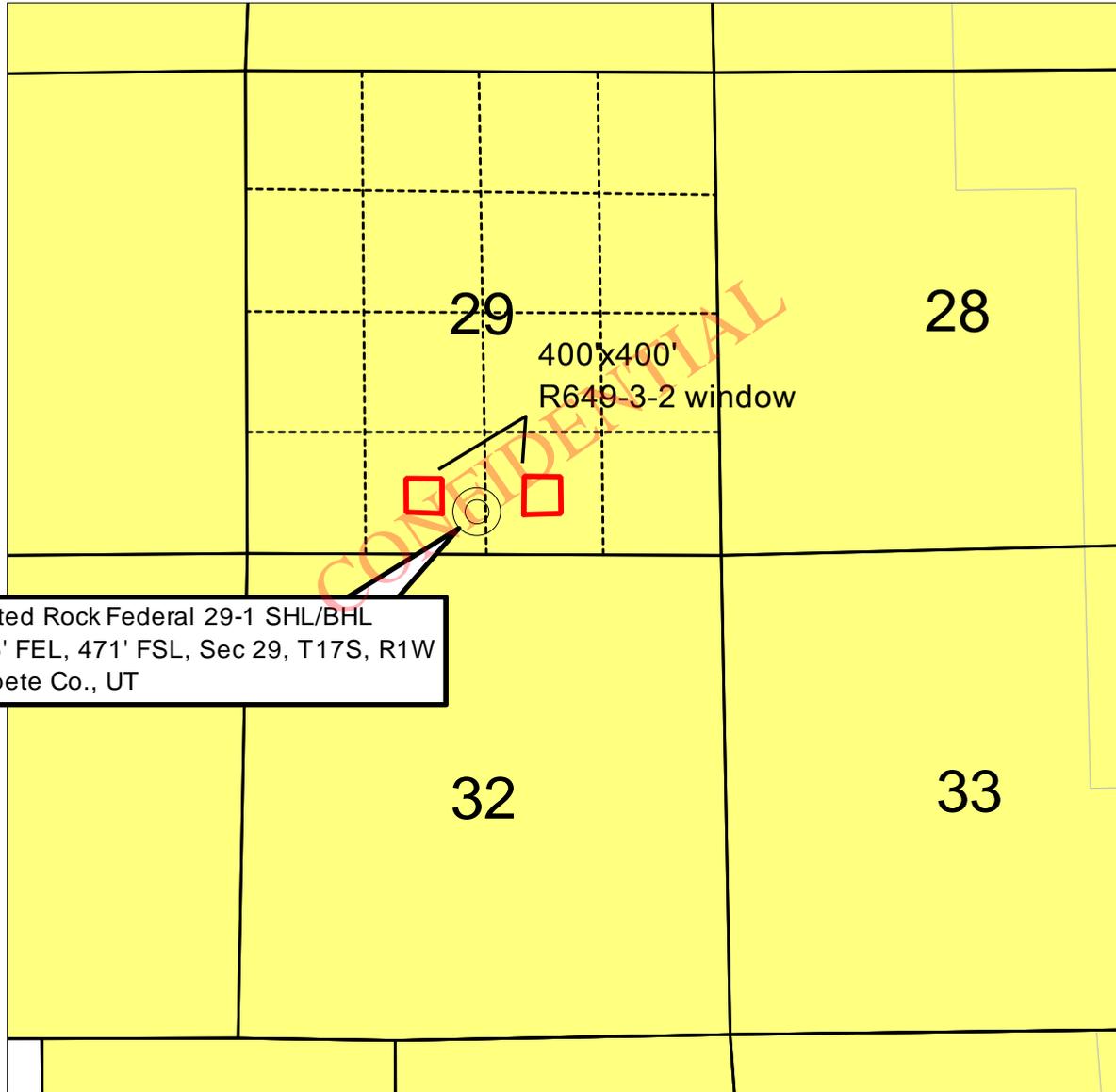
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5k BOPE Schematic

(Not to Scale)



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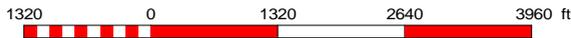
Painted Rock Federal 29-1 SHL/BHL
2706' FEL, 471' FSL, Sec 29, T17S, R1W
Sanpete Co., UT

Painted Rock Federal 29-1 Well Location

SHL/BHL: 2706' FEL, 471' FSL, SE/4 SW/4, Sec 29, T17S, R1W, Sanpete Co., UT

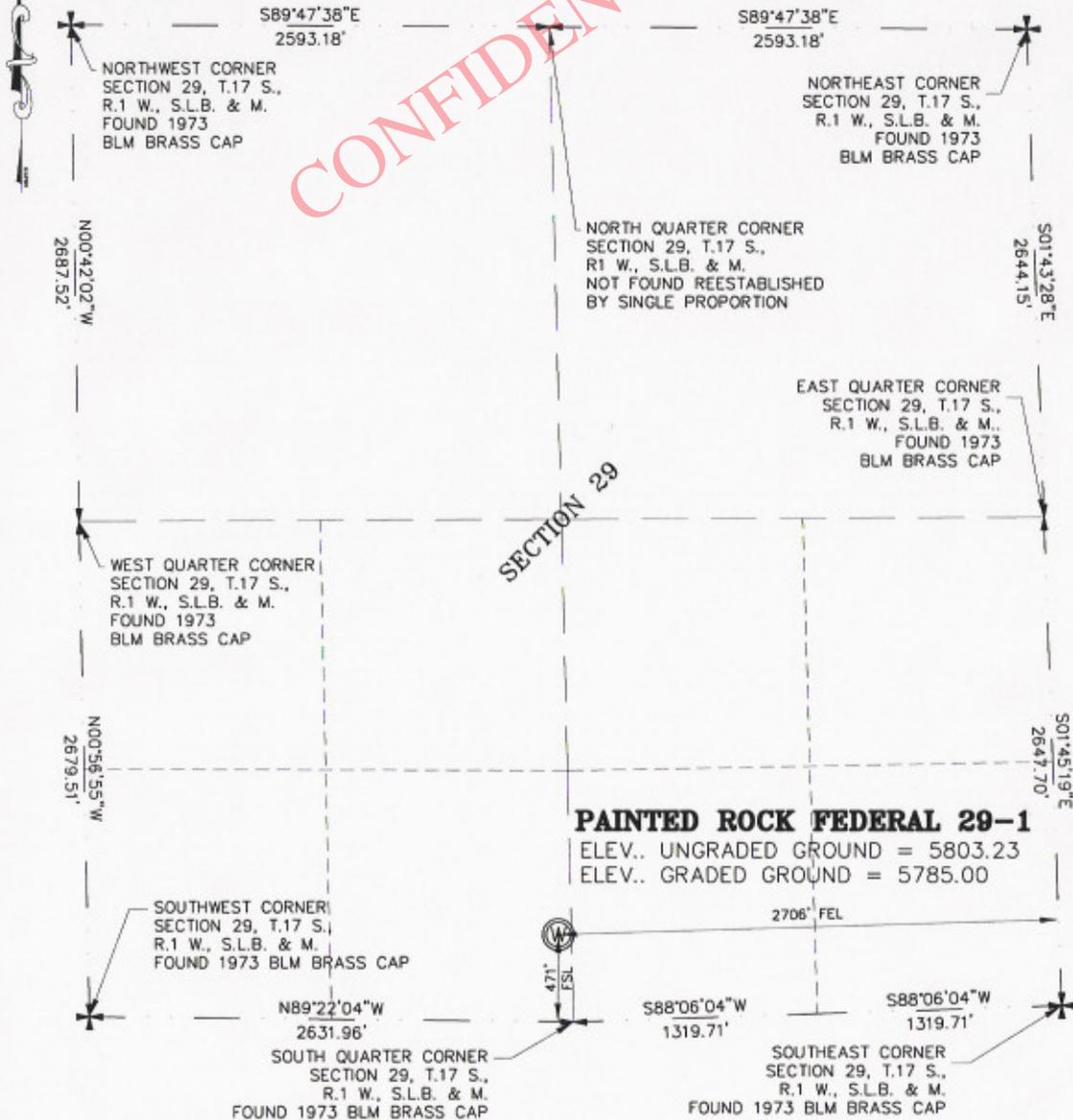
-  400'x400'
R649-3-2 window
-  Wolverine Lease

1 inch = 2000 feet



	<p>WOLVERINE GAS & OIL Company of Utah, LLC (Operator) <i>Energy Exploration in Partnership with the Environment</i></p> <p>ONE RIVERFRONT PLAZA 55 CAMPAU, N.W. GRAND RAPIDS, MI 49503-2616 (616) 458-1150</p>
<p>Exception Location and Ownership Plat (R649-3-2)</p>	
<p>Date: 8/19/2009</p>	<p>Author: Mark Lutz Filename: Painted Rock Exception Location.gmp</p>

SECTION 29, T.17 S., R.1 W., S.L.B. & M.



PROJECT

WOLVERINE OPERATING COMPANY OF UTAH, LLC
 WELL LOCATION, LOCATED AS SHOWN
 IN THE SE 1/4 OF THE SW 1/4 OF
 SECTION 29, T.17 S., R.1 W., S.L.B. & M.
 SANPETE COUNTY, UTAH

LEGEND



CROSS: SECTION CORNER AS NOTED
 CROSS WITH LINE: QUARTER CORNER AS NOTED
 CIRCLED W: PROPOSED WELL LOCATION

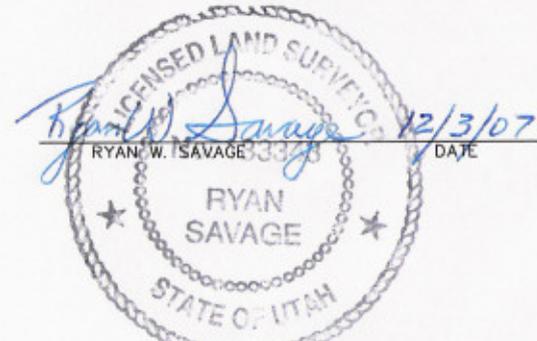
NOTE: THE PURPOSE OF THIS SURVEY WAS TO PLAT
 PAINTED ROCK FEDERAL 29-1
 LOCATED IN THE SE 1/4 OF THE SW 1/4 OF
 SECTION 29, T.17 S., R.1 W., S.L.B. & M.
 SANPETE COUNTY, UTAH.

BASIS OF ELEVATION

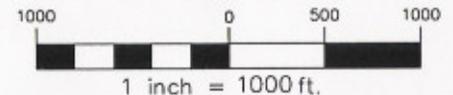
ELEVATION BASED ON REFERENCE MARK TO TRIANGULATION
 STATION MW2, LOCATED IN THE NORTHWEST 1/4 OF SECTION
 13, T.18 S., R.2 W., S.L.B. & M.
 ELEVATION USED 7841.71.

CERTIFICATE

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



GRAPHIC SCALE



BASIS OF BEARING

BASIS OF BEARING USED WAS S88°06'04"W BETWEEN THE SOUTHEAST CORNER
 AND THE SOUTH 1/4 CORNER OF SECTION 29, T.17 S., R.1 W., S.L.B. & M.

COORDINATE DATUM = NAD 83
 WELL LATITUDE: 39°17'41.020" OR 39.2947278
 WELL LONGITUDE: -111°56'49.918" OR -111.9471994

Savage Surveying, Inc.

1925 South Industrial Park Rd.
 Richfield, UT 84701
 Office: 435-896-8635
 Fax: 435-898-0220



LOCATION PLAT FOR PAINTED ROCK FEDERAL 29-1

WOLVERINE OPERATING COMPANY OF UTAH, LLC

DESIGNED BY	SURVEYED BY	CHECKED BY	DRAWN BY	PROJECT NUMBER	SHEET NUMBER
T.M.	T.K.S.	R.W.S.	R.W.S.	0606-007S	1

WOLVERINE OPERATING COMPNAY OF UTAH, LLC

DRILLING PLAN

Painted Rock Federal 29-1 SW/4 SE/4 Section 29, Township 17 South, Range 1 West, S.L.B & M. Sanpete County, Utah

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Plan Summary:

It is planned to drill this confidential exploratory well as a vertical hole to a measured depth of 13,750' TVD/MD to test the Jurassic Twin Creek and Navajo, Triassic Kaibab and Toroweap, Mississippian Redwall and the Devonian Pinyon Peak formations. Well path deviation caused by subsurface geologic irregularities, plastic salts, possible loss circulation and hole instabilities are expected to be the primary drilling concerns in this area. No abnormal pressure is anticipated.

The planned location is as follows:

Surface Location: 471' FSL, 2706' FEL, Section 29, T17S, R1W, S.L.B. & M.

Bottom Hole Location @ total depth 471' FSL, 2706' FEL, Section 29, T17S, R1W, S.L.B. & M.

Conductor will be set to 500 feet and cemented to surface. A 17.5" hole will be drilled vertically to approximately 2800' KB where 13-3/8" surface casing will be set and cemented to surface. A 12.25" hole will be drilled vertically below the surface casing to approximately 9500' where the well will be logged and 9-5/8" intermediate casing will be set and cemented to ~1500 (500' inside surface casing). A 8.5" hole will be drilled to approximately 11,200' where the well will be logged and a 7-5/8" liner will be set and cemented from 9300' to 11,200'. A 6.5" bit will be used to drill out from the liner to a projected total depth of 13,750, where the well will be logged, and if justified by results, a 5" liner will be set and cemented from 11,000 to 13,750'.

Drilling activities, with the construction of the well site and setting of conductor, are expected to commence in during September 2009, or as soon as the permit is issued. Surface casing may be pre-set as soon as the location is built, prior to moving in the primary drilling rig.

Wolverine Operating Company of Utah, LLC
 APD Drilling Program
 Painted Rock Federal 29-1

Well Name: **Painted Rock Federal 29-1**

Surface Location: 471' FSL, 2706' FEL, Section 29, T17S, R1W, S.L.B. & M
 SE/4 of the SE/4 Section 29, T17S, R1W, S.L.B. & M.
 Sanpete County, Utah

TD Bottom-Hole Location: 471' FSL, 2607' FEL, Section 29, T17S, R1W, S.L.B. & M
 SE/4 of the SE/4 Section 29, T17S, R1W, S.L.B. & M.
 Sanpete County, Utah

Elevations: 5785' GL (graded), 5806' KB (est.)

I. Geology:

Tops of important geologic markers and anticipated oil (O), gas (G), or water (W), content are as follows:

Formation	TVD Interval (KB)	MD Interval (KB)	Contents	Pressure Gradient
Flagstaff	0-300'	0-300'		
North Horn	300-490'	300-490'		
Indianola	490-1814'	490-1814'		
Cedar Mountain	1814-2387'	1814-2387'		
Twist Gulch	2387-2797'	2387-2797'		
Arapien	2797-6094'	2797-6094'		
Twin Creek	6094-6564'	6094-6564'	O, G, W	0.44 psi/ft
Navajo	6564-7808'	6564-7808'	O, G, W	0.44 psi/ft
Chinle	7808-8261'	7808-8261'		
Shinarump	8261-8383'	8261-8383'		
Moenkopi	8383-10354'	8383-10354'		
Black Dragon	10354-10764'	10354-10764'		
Kaibab	10764-11001'	10764-11001'	G, W	0.44 psi/ft
Toroweap	11001-11448'	11001-11448'	G, W	0.44 psi/ft
Pakoon	11448-12162'	11448-12162'	G, W	0.44 psi/ft
Redwall	12162-12705'	12162-12705'	G, W	0.44 psi/ft
Pinyon Peak	12705-13750'	12705-13750'	G, W	0.44 psi/ft
Proposed TD	13750'	13750'		

II. Well Control:

The contracted drilling rig will have a minimum 5M BOP system. BOPE will be in place and tested as a 5M system prior to drilling out the surface casing shoe. See attached schematic of BOPE.

A. The BOPE will, as a minimum, include the following:

Wellhead Equipment (5M Min.):

BOPE Item	Flange Size and Rating
Annular Preventer	13-5/8" 5M
Double Rams (5" Pipe - top, Blind - bottom)	13-5/8" 10M
Drilling Spool w/ 2 side outlets (4" Choke Line, 4" Kill Line)	13-5/8" 10M x 13-5/8" 10M
Single Ram (Pipe)	13-5/8" 10M
DSA	13-5/8" 10M x 13-5/8" 5M
Casing Head (13-5/8" SOW w/ two 2-1/16" SSO's)	13-5/8" 5M

Auxiliary Equipment (5M Min.):

BOPE Item
Choke Line with 2 valves (3" minimum)
Kill Line with 2 valves and one check valve (2" Minimum)
2 Chokes with one remotely controlled at a location readily accessible to the driller
Upper and lower kelly cock valves with handles
Safety Valves to fit all drill string connections in use
Inside BOP or float sub
Pressure gauge on choke manifold
Fill-up line above the uppermost preventer
Wear bushing in casing head

- B. **Choke manifold** will be functionally equipped and sized at a minimum as shown on the attached diagram. All choke lines will be straight lines unless turns have tee blocks or are targeted with running tees, and all choke lines will be anchored. All valves (except chokes) in the kill line choke manifold and choke line will be full opening and allow straight through flow.
- C. **System accumulator** will have sufficient capacity to open the hydraulically-controlled gate valve and close all rams plus the annular preventer (3 ram system will have added 50 percent safety factor to compensate for any fluid loss in the control system or preventers) and retain a minimum pressure of 200 psi above pre-charge on the closing manifold without use of the closing unit pumps. The fluid reservoir capacity shall be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir shall be maintained at the manufacturer's recommendations. The accumulator will have two (2) independent power sources available to close the preventers. Nitrogen bottles may be one of those sources, and if so, will have charge maintained per manufacturer's specifications.
- D. **Accumulator pre-charge pressure test** will be conducted prior to connecting the closing unit to the BOP stack and at least once every 6 months. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum specified limits. Only nitrogen gas will be used to precharge.
- E. **Power for the closing unit pumps** will be available to the unit at all times so that the pumps will automatically start when the closing valve manifold pressure has decreased to the pre-set level.
- F. **Accumulator pump capacity** will be such that, with the accumulator system isolated from service, the pumps will be capable of opening the hydraulically-operated gate valve (if so equipped), plus closing the annular preventer on the smallest size drill pipe to be used within 2 minutes, and retaining a minimum of 200 psi above the specified accumulator pre-charge pressure.
- G. **Locking devices**, either manual (i.e., hand wheels) or automatic, will be installed on the ram type preventers. 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 shall be maintained in the open position and shall be closed only when the power source for the accumulator system is inoperative.
- H. **Remote controls** will be readily accessible to the driller and will be capable of both opening and closing all preventers. Master controls shall be at the accumulator and shall be capable of opening and closing all preventers and the choke line valve.
- I. **Well control equipment testing** will be performed using clear water when the equipment is initially installed, whenever any seal subject to test pressure is broken, following related repairs, and as a minimum, every 30-day interval. The tests will apply to all related well control equipment.

Ram type preventers and associated equipment will be isolated and tested to 5000 psi. The annular preventer will be tested to 2500 psi. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer, for all tests. A casing head valve will be open below the test plug during testing of the BOP stack. Valves will be tested from the working pressure side with

Wolverine Operating Company of Utah, LLC
APD Drilling Program
Painted Rock Federal 29-1

all down-stream valves open. Kill line valves will be tested with the check valve held open or the ball removed.

Pipe and blind rams will be activated each trip, but not more than once a day. The annular preventers will be functionally operated at least weekly. A pit level drill will be conducted weekly for each crew. All BOPE drills and tests will be recorded in the IADC driller's log.

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III. Casing and Cementing:

A. Casing Program (all new casing):

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection</u>	<u>Coupling Diameter</u>	<u>Setting Depth</u>
24"	20"	94	J-55	BTC	21.00	0' - 500' GL
17.5"	13.375"	68	J-55	BTC	14.375	0' - 2800' KB
12.25"	9.625"	53.5	L-80	LTC	10.625	0' - 9500' KB
8.50"	7.625"	33.7	P-110	FJ	7.625	9300' - 11,200' KB
6.50"	5.50"	20	L-80	BTC	6.050	0' - 2000' KB
6.50"	5.50"	20	L-80	LTC	6.050	2000-9000' KB
6.50"	5.50"	20	L-80	FJ	5.5	9000-11000 KB
6.50"	5.00"	15	P-110	FJ	5.0	11000' - 13,750' KB

	<u>Surface</u>	<u>Intermediate</u>	<u>Liner</u>	<u>Production</u>
Casing O. D. (in)	13.375	9.625"	7.625"	5.0/5.50"
Casing Grade	J-55	L-80	P-110	P110/L-80
Weight of Pipe (lbs/ft)	68	53.5	33.7	15 & 20
Connection	BTC	LTC	FJ	BTC/LTC/FJ
Top Setting Depth - MD (ft)	0	0	9300	11000
Top Setting Depth - TVD (ft)	0	0	9300	11000
Bottom Setting Depth - MD (ft)	2800	9500	11200	13750
Bottom Setting Depth - TVD (ft)	2800	9500	11200	13750
Maximum Mud Weight - Inside (ppg)	9.2	10.5	10.5	10.5
Maximum Mud Weight - Outside (ppg)	9.2	10.5	10.5	10.5
Design Cement Top - MD (ft)	0	1500	9300	11000
Design Cement Top - TVD (ft)	0	1500	9300	11000
Max. Hydrostatic Inside w/ Dry Outside (psi)	1340	5187	6115	7508
Casing Burst Rating (psi)	3450	7930	10860	11400
Burst Safety Factor (1.10 Minimum)	2.57	1.52	1.78	1.52
Max. Hydrostatic Outside w/ Dry Inside (psi)	1340	5187	6115	7508
Collapse Rating	1950	6620	7890	8850
Collapse Safety Factor (1.125 Minimum)	1.45	1.27	1.29	1.18
Casing Weight in Air (kips)	190	508	64	261
Body Yield (kips)	1069	1244	1069	481
Joint Strength (kips)	1140	1047	901	388
Tension Safety Factor (1.80 Minimum)	5.63	2.06	14.1	1.49

¹Casing weight for production string includes 2750 feet of 5", 15# flush joint, plus 11,000 feet of 5.5, 20# casing with 2000' of BTC on top.

Casing with same or greater burst, collapse, and tension rating may be substituted for any of the planned casing sizes depending on availability and actual conditions.

Wolverine Operating Company of Utah, LLC
 APD Drilling Program
 Painted Rock Federal 29-1

B. Cementing Program

<u>Casing Size</u>	<u>Cement Slurry</u>	<u>Quantity (sks)</u>	<u>Density (ppg)</u>	<u>Yield (ft³/sk)</u>
20" Cond.	Class G Neat Cement	620	15.8	1.15
13.375"	Lead: CBM Lite	550	10.5	4.325
	Tail: Premium	450	15.8	1.155
9.625"	Lead: Bondcem	600	10.5	4.325
	Tail: Varicem	150	14.35	1.252
7.625" Liner	Bondcem	150	14.35	1.252
5.0" Liner	Bondcem	260	14.35	1.252
5.5" tie back	Varicem	535	10.5	4.325

- Conductor:** 20" conductor will be set to ~500' and cemented to surface with Class G neat cement. Volume assumes 50% excess.
- Surface:** 13-3/8" surface casing will be cemented from setting depth (2800' MD) to surface and topped out with premium cement if necessary. Hardware will include a guide shoe, float collar, top plug, and a minimum of one centralizer per joint on the bottom three (3) casing joints. Water or other preflush fluid pumped ahead of the slurry will separate cement from the drilling fluids.
- Intermediate:** 9-5/8" intermediate casing will be set to setting depth of 9500' and cemented from 9500 to approximately 1500'. Slurry volume will be based on caliper hole size plus 25% excess in the open hole section. Hardware will include a guide shoe, float collar, top plug, and centralizers as needed across any pay zones. Pre-flush fluid will be pumped ahead of the slurry to separate cement from the drilling fluids.
- Liner:** 7-5/8" liner will be set to approximately 11,200' and cemented from 11,200' to 9300' (200' overlap). Slurry volume will be based on caliper hole volume plus 25% in the open hole section.
- Production:** 5" liner will be set from final TD (13750') to 11,000 (200' overlap) and cemented in place. A 5.5" flush joint back string with a tie back mandrel will be set from 5" liner top (~11,000') to 9000, and then 9000' of 5.5" LTC/BTC will be run to surface and cemented in place. The 5" liner will be cemented in a single stage using callipered volume plus 25%. The 5.5 tie back string will be cemented in place with a single stage. A minimum of 20 percent silica will be added to the cement slurry if bottom-hole temperature exceeds 230 °F. Slurry volume will be based on actual calculated volume inside casing. Pre-flush fluid pumped ahead of the slurry will separate cement from the drilling fluids.
- Other:**
- The BLM will be notified at least twenty-four hours prior to running and cementing the surface and production casing strings.
 - Actual cement slurries for all casing will be based on final service company recommendations.

- The size, weight, grade, type of thread, number of joints, and footage of all casing run will be recorded in the driller's log. The amount and type of all cement pumped will be recorded in the driller's log.
- Adequate time will be allowed before drilling out for the cement at the casing shoe to achieve a minimum 500-psi compressive strength.
- All casing strings will be tested to 1500 psi before drilling out and if pressure declines by more than 10 percent in 30 minutes, corrective action will be taken.
- Before drilling more than 20 feet of new hole below each casing string, a pressure integrity test of the casing shoe will be performed to a minimum of the mud weight equivalent anticipated to control the pore pressure to the next casing depth or at total depth of the well.

IV. Mud Program:

<u>Depth</u>	<u>Mud Weight (ppg)</u>	<u>Mud Type</u>	<u>Viscosity, s/qt</u>	<u>Fluid Loss</u>
0 – 2800'	8.4 – 9.2	Fresh Water	35 – 50	NC to 15 cc
2800'- 9500'	9.2 – 10.5	Salt Mud	36 – 50	8 cc
9500-13,75'	8.8-9.5	LSND	36-42	8 cc

- A. After mudding up, slow pump rates will be taken daily and recorded in the driller's log.
- B. Visual mud monitoring equipment will be in place to detect volume changes indicating loss or gain of circulating fluid volume.
- C. Abnormal pressures are not anticipated. In the event such pressures are to be anticipated, electronic/mechanical mud monitoring equipment will be in place and include as a minimum; pit volume totalizer (PVT); stroke counter; and flow sensor.
- D. A mud test will be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.
- E. The 10M BOPE system is not required for conditions on this well and use of the trip tank is not anticipated.
- F. Gas detecting equipment will be installed in the mud return system, and hydrocarbon gas shall be monitored for pore pressure changes. The presence of Hydrogen Sulfide gas is not expected but appropriate precautions will be taken in the event that it is encountered.
- G. The need to vent combustible or noncombustible gas is not expected. If needed, a flare system designed to gather and burn all gas will be available. The flare line discharge will be located at least 150 feet from the well head and it will be positioned downwind of the prevailing wind direction. The flare line will have straight lines unless turns are targeted with running tees and it will be anchored. The flare system will have an effective method for ignition.
- H. Abnormal pressure is not expected. If abnormal pressure is to be anticipated, a mud-gas separator (gas buster) will be installed and operable beginning at a point at least 500 feet above any anticipated hydrocarbon zone of interest.

V. Evaluation:

- A. Mud Log: A mud logging unit will be in operation from a depth of approximately 2800 feet to TD. Samples will be caught, cleaned, bagged, and marked as required.
- B. Drill Stem Tests: There are no DSTs planned.

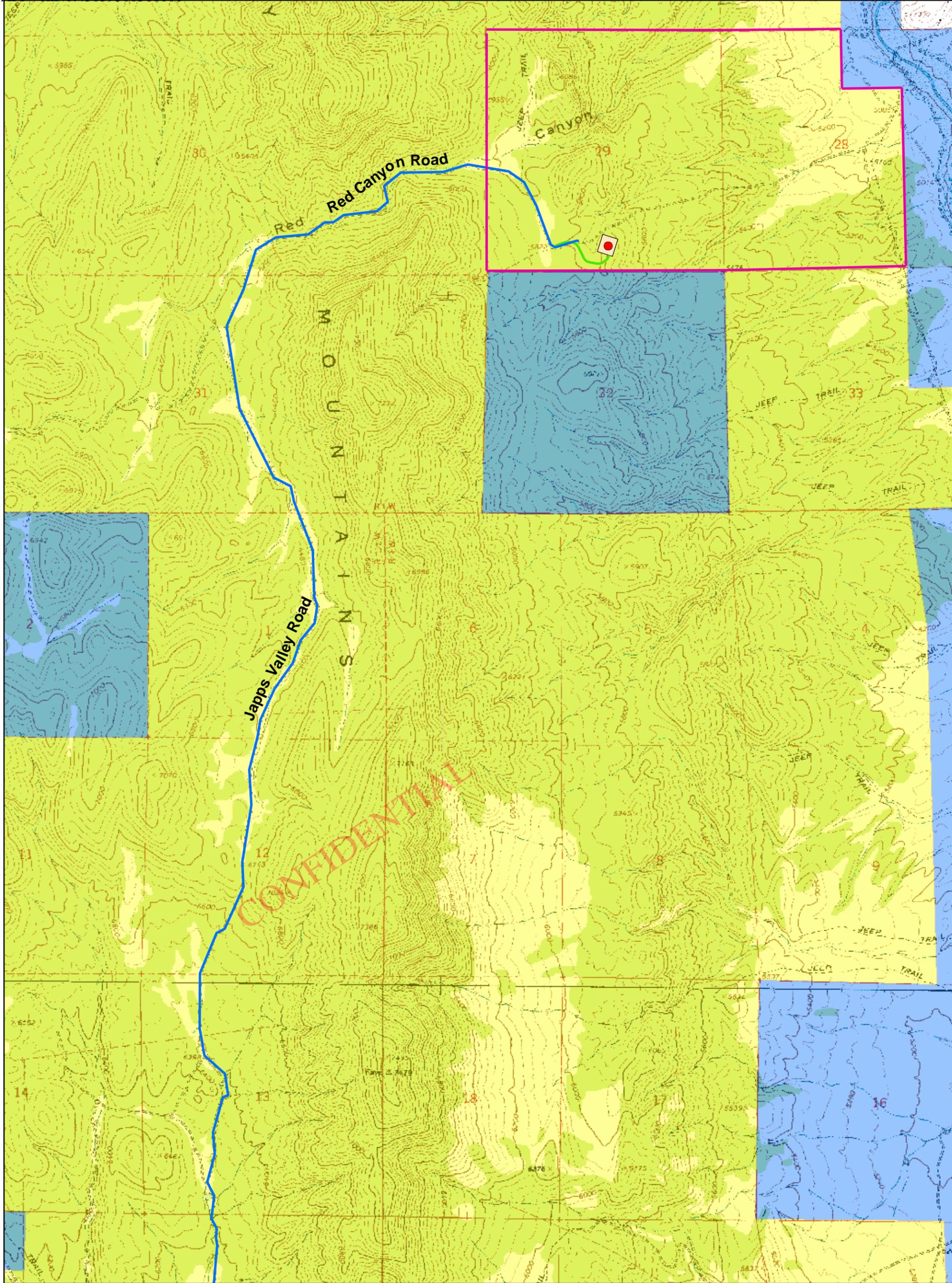
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APD Drilling Program
Painted Rock Federal 29-1

- C. Coring: There are no cores planned.
- D. Wireline Logs: Wireline logs will be run as hole conditions allow from total depth to surface casing to assist in determining lithology and potential for hydrocarbon recovery. The logging tools will at a minimum survey resistivity, gamma radiation, and sonic velocity.

VI. Expected Bottom-Hole Pressure and Abnormal Conditions:

- A. Hydrogen Sulfide: The presence of Hydrogen Sulfide (H₂S) gas is possible and appropriate safety procedures are to be in place before penetrating the Twin Creek Formation.
- B. Pressure: No abnormally pressured zones are expected in this well. The pressure gradient for all potentially productive formations is expected to be approximately 0.44 psi/ft.
- C. Temperature: Bottom-hole temperature at TD is expected to be approximately 240 °F.

end



Legend

- Well
- Lease
- Existing Road
- Existing Road Needing Upgrades
- New Road
- Pad
- BLM
- NPS
- Private
- State
- USFS

1:24,000
 NAD 83 Zone 12
 Map 01 of 2

JUAB COUNTY
MILLARD COUNTY
02
SANPETE COUNTY
SEVIER COUNTY

Wolverine Operating Company of Utah, LLC
 Painted Rock Federal 29-1 Well & Access

WESTERN LAND SERVICES
 Richfield, UT 84701 (435) 896-5501
CONFIDENTIAL
 Prepared By: **DTJ** Date: **June 5, 2007**

No warranty is made for data usage purposes other than those intended by Western Land Services. Maps are created as part of a GIS that compiles records, information, and data from various sources. This data experiences frequent updates and accordingly, WLS shall not be liable for any errors or omissions herein.

WOLVERINE OPERATING COMPANY OF UTAH, LLC

Energy Exploration in Partnership with the Environment



August 20, 2009

Diana Mason
Permitting—Petroleum Technician
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Application for Permit to Drill (ePermit #1918), Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1 - Exception location letter
471' FSL, 2706' FEL, , SE/4SW/4, Sec.29, T17S, R1W, SLB&M, Sanpete County

Dear Ms. Mason:

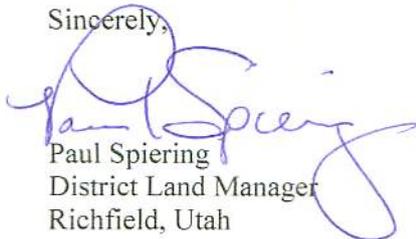
Wolverine Operating Company of Utah, LLC (Wolverine) hereby submits this letter in addition to the previously submitted plats, as part of the *Application for Permit to Drill* (APD) for the referenced well.

The proposed location is within 460' of a drilling unit boundary, so a request for exception to spacing (R649-3-2) is hereby requested for the well based on restrictive topography relative to and the need to drill at an optimum structural location while minimizing surface impact. Wolverine is the only owner and operator within 460' of the proposed well location.

Please accept this letter as Wolverine's written request for confidential treatment of all information contained in this letter and relating to this application and proposed well.

Thank you for consideration of this application. Please feel free to contact me or Charlie Irons of this office if you have any questions or need additional information.

Sincerely,


Paul Spiering
District Land Manager
Richfield, Utah

Wolverine Operating Company of Utah, LLC

1140 N Centennial Park Drive, Richfield, Utah 84701. Phone: 435-896-1943, Fax: 435-893-2134

API Number: 4303930036

Well Name: Painted Rock Federal 29-1

Township 17.0 S Range 01.0 W Section 29

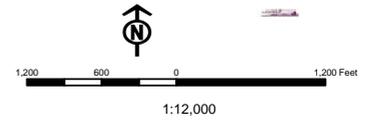
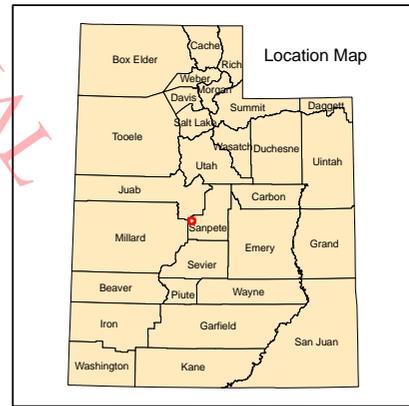
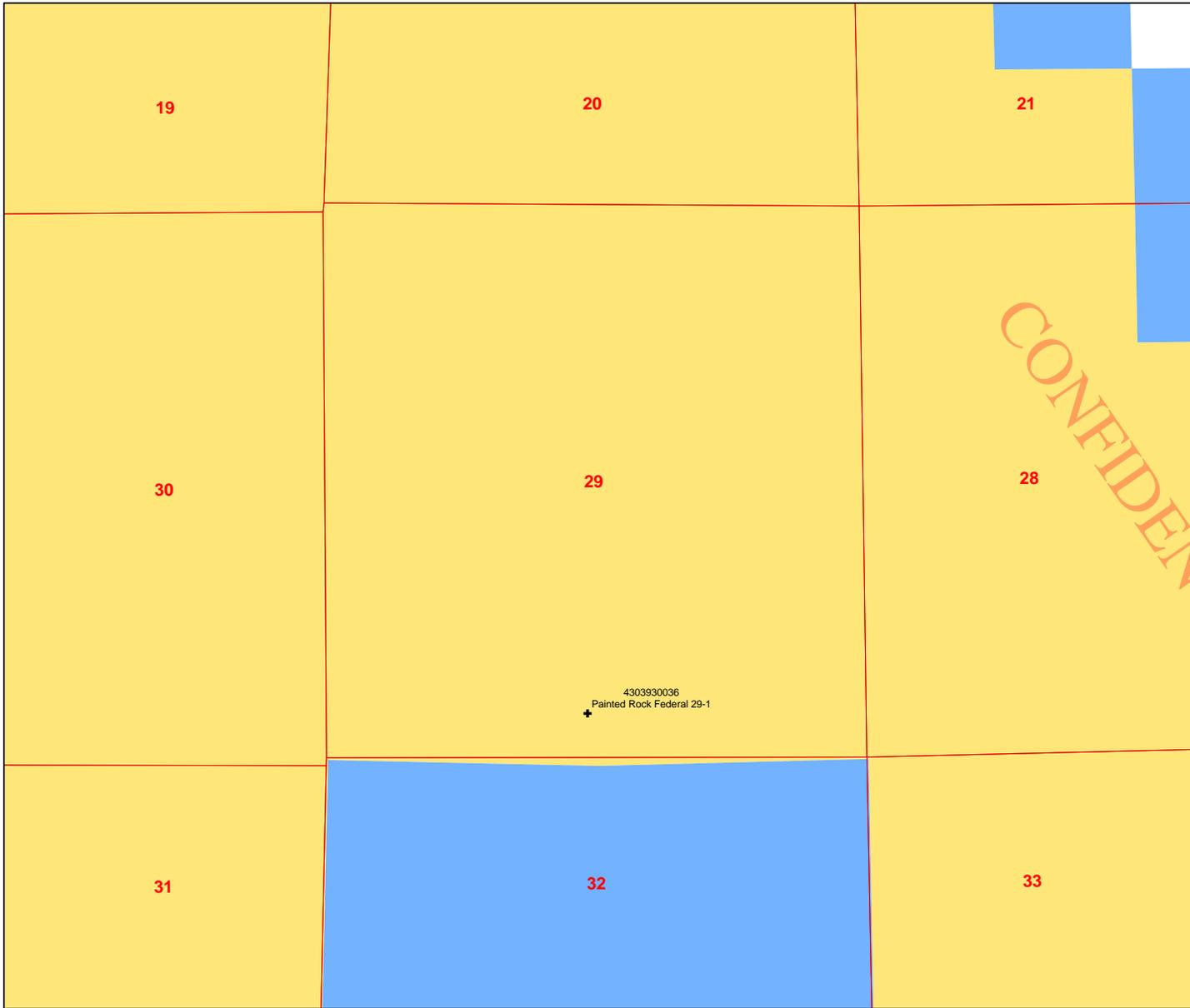
Meridian: SLBM

Operator: WOLVERINE OPERATING COMPANY OF UTAH, LLC

Map Prepared:
Map Produced by Diana Mason

- | | |
|---------------|---------------------------|
| Units | Wells Query Events |
| STATUS | <all other values> |
| ACTIVE | <Null> |
| EXPLORATORY | APD |
| GAS STORAGE | DRL |
| NF PP OIL | GI |
| NF SECONDARY | GS |
| PI OIL | LA |
| PP GAS | NEW |
| PP GEOTHERMIL | OPS |
| PP OIL | PA |
| SECONDARY | PGW |
| TERMINATED | POW |
| Fields | RET |
| STATUS | SGW |
| ACTIVE | SOW |
| COMBINED | TA |
| Sections | TW |
| | WD |
| | WI |
| | WS |

CONFIDENTIAL



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 8/20/2009

API NO. ASSIGNED: 43039300360000

WELL NAME: Painted Rock Federal 29-1

OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC (N3035)

PHONE NUMBER: 435 896-1943

CONTACT: Paul Spiering

PROPOSED LOCATION: SESW 29 170S 010W

Permit Tech Review:

SURFACE: 0471 FSL 2706 FEL

Engineering Review:

BOTTOM: 0471 FSL 2706 FEL

Geology Review:

COUNTY: SANPETE

LATITUDE: 39.29469

LONGITUDE: -111.94641

UTM SURF EASTINGS: 418387.00

NORTHINGS: 4349698.00

FIELD NAME: WILDCAT

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 081346

PROPOSED PRODUCING FORMATION(S): KAIBAB

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT**
- Bond:** FEDERAL - WYB000616
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** 63-3169
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations:
1 - Exception Location - bhll
4 - Federal Approval - dmason
14 - Commingling Temporary Denial - bhll
23 - Spacing - dmason



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: Painted Rock Federal 29-1
API Well Number: 43039300360000
Lease Number: UTU 081346
Surface Owner: FEDERAL
Approval Date: 9/14/2009

Issued to:

WOLVERINE OPERATING COMPANY OF UTAH, LLC, One Riverfront Plaza, Grand Rapids, MI 49503

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 R649-3-3. The expected producing formation or pool is the KAIBAB 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

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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.

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.

Downhole commingling between formations cannot occur until the provisions of Rule R649-3-22, Completion Into Two or More Pools, have been met.

Notification Requirements:

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

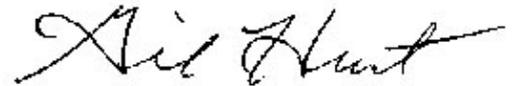
- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

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:



Gil Hunt
Associate Director, Oil & Gas

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: WOLVERINE OPERATING COMPANY OF UTAH, LLC

Well Name: PAINTED ROCK FEDERAL 29-1

Api No: 43-039-30036 Lease Type: FEDERAL

Section 29 Township 17S Range 01W County SANPETE

Drilling Contractor BOARTLONGYEAR RIG # 31

SPUDDED:

Date 11/18/2009

Time 2:17 PM

How DRY

Drilling will Commence: _____

Reported by BILL DONOVAN

Telephone # (435) 528-3188

Date 11/19/2009 Signed CHD

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

FORM 6

ENTITY ACTION FORM

Operator: Wolverine Operating Company of Utah, LLC
Address: One Riverfront Plaza, 55 Campau NW
city Grand Rapids
state MI zip 49503

Operator Account Number: N3035
N-1655
Phone Number: (616) 458-1150

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303930036	Painted Rock Federal 29-1		SESW	29	17S	1W	Sanpete
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	17408	11/18/2009			11/30/09	
Comments: <u>KBAB</u> CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

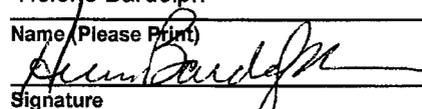
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

NOV 19 2009

Helene Bardolph

Name (Please Print)



Signature

Engineering Admin. Assist.

Title

11/19/2009

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
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: Painted Rock Federal 29-1
2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	9. API NUMBER: 43039300360000
3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	PHONE NUMBER: 616 458-1150 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT COUNTY: SANPETE STATE: 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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/18/2009	<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 type="checkbox"/> OTHER	OTHER:

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

This is formal notification that Wolverine Operating Company of Utah, LLC spudded the Painted Rock Federal #29-1well @ 14:17 11/18/09 with Lang rig # LK-31.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 23, 2009

NAME (PLEASE PRINT) Paul Spiering	PHONE NUMBER 435 896-1943	TITLE District Land Manager
SIGNATURE N/A	DATE 11/23/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
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: Painted Rock Federal 29-1
2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	9. API NUMBER: 43039300360000
3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	PHONE NUMBER: 616 458-1150 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT COUNTY: SANPETE STATE: 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 type="checkbox"/> SUBSEQUENT REPORT 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"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/2/2009	<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 type="checkbox"/> OTHER	OTHER:

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

Please see attached drilling update for the month of November 2009 for the Painted Rock Federal 29-1.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 07, 2009

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 12/4/2009	

21 November 2009

Mr. Marvin Hendricks
Petroleum Engineer
Bureau of Land Management
Price Field Office
Price, Utah

Subject: Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29-T17S-R1W
Sanpete County, Utah.

Dear Mr. Hendricks:

The following are the operations reports for the eight day period 14 November 2009 through 21 November 2009. The report dates shown are the ending date and the reported operations cover the period from 06:00 hrs the previous day to 06:00 hrs of the indicated report date.

14-18 November 2009

Depth 0' GL, csg shoe at: none. Work on location and road, MIRURT. MW – none, Vis. – N/A, FL – N/A. Surveys: None.

19 November 2009

Depth 27' GL, csg shoe at: none'. Spud with Boart Longyear rig at 14:17 hours, 11/18/09, drill 38" conductor hole to 27' GL, run 30" x 0.375 wall thickness, plain end pipe to 27', cement w/ tremmie pipe method, placed four super sacks (96 sx) of cement (113 cu ft of slurry) in four batches, 19 cu ft of slurry to pit, cement standing at GL. MW – 8.3 to 9.1, Vis. – 35 to 50, FL – not controlled. Surveys: None.

20 November 2009

Depth 97' GL, csg shoe at 27' GL. NU diverter head, drill 28" conductor hole. Mud: spud mud, properties not reported. Surveys: None.

21 November 2009

Depth 220' GL, csg shoe at 27' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.8, Vis. – 38, FL – 6. Surveys: None.

Sincerely:



John C. Magill, P.E.
Drilling Engineering and Operations Consultant
Wolverine Operating Company of Utah, LLC

2 December 2009

Mr. Marvin Hendricks
Petroleum Engineer
Bureau of Land Management
Price Field Office
Price, Utah

Subject: Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29-T17S-R1W
Sanpete County, Utah.

Dear Mr. Hendricks:

The following are the operations reports for the eleven day period 22 November 2009 through 2 December 2009. The report dates shown are the ending date and the reported operations cover the period from 06:00 hrs the previous day to 06:00 hrs of the indicated report date.

22 November 2009

Depth 341' GL, csg shoe at: 27'. Drill to 341'. MW – 9.8, Vis. – 37, FL – 8.4. Surveys: 0.25° @ 260'.

23 November 2009

Depth 500' GL, csg shoe at: 27'. Drill to 500', C&C. MW – 9.9, Vis. – 36, FL – 8. Surveys: None.

24 November 2009

Depth 500' GL, csg shoe at: 27'. C&C, survey, TOH laying down DP and BHA, run tremmie pipe and 20" x 3/8 wall conductor casing to 500' GL, RU surface lines and cementing equipment. MW – 10, Vis. – 37, FL – 8. Surveys: $\frac{3}{4}$ ° @ 500'.

25 November 2009

Depth 500' GL, csg shoe at 27' GL. Rig up to cement by tremmie pipe method, cement in 5 batches, batch 1: mix and pump 24 sx (28 cf) of cement mixed at 15.8 ppg, pull grout string above cement top and WOC, tag cmt at 480', batch 2: pump redimix, 216 cf of portland at 15.8 ppg, pull grout string to 360' and WOC, batch 3: pump redimix, 189 cf of portland at 15.9 ppg, pull grout string to 240' and WOC, batch 4: pump redimix, 189 cf of portland at 15.8 ppg, pull grout string to 120' and WOC, batch 5: pump redimix, 189 cf of portland at 15.7 ppg, 6 cf cement slurry returns to pit, clean up cmt equipment, NU diverter, GIH w/ 17.5" bit. MW – not reported, Vis. – not reported, FL – not reported. Surveys: none.

26 November 2009

Depth 578' GL, csg shoe at 500' GL. Drill cement from 496' to 500', drill 17.5 inch hole to 578, trip for additional BHA. MW – 9.5, Vis. – 45, FL – 6.4. Surveys: none.

27 November 2009

Depth 686' GL, csg shoe at 500' GL. Trip for additional BHA, drill with reverse circulation dump flood method (RCDF). MW – 9.5, Vis. – 42, FL – 6. Surveys: none.

28 November 2009

Depth 926' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.4, Vis. – 40, FL – 4. Surveys: 1.5° @ 900'.

29 November 2009

Depth 1146' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.1, Vis. – 44, FL – 7.2. Surveys: none.

30 November 2009

Depth 1286' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.2, Vis. – 42, FL – 7.2. Surveys: none.

1 December 2009

Depth 1430' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.2, Vis. – 42, FL – 7.2. Surveys: 2.5° @ 1286'.

2 December 2009

Depth 1554' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 8.7, Vis. – 40, FL – 10.2. Surveys: None.

Sincerely:

A handwritten signature in black ink that reads "John C. Magill". The signature is written in a cursive style with a large, prominent "J" and "M".

John C. Magill, P.E.
Drilling Engineering and Operations Consultant
Wolverine Operating Company of Utah, LLC

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.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	8. WELL NAME and NUMBER: Painted Rock Federal 29-1
3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	9. API NUMBER: 43039300360000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT
	COUNTY: SANPETE
	STATE: 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 type="checkbox"/> SUBSEQUENT REPORT 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"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/6/2010	<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
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	<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 type="checkbox"/> OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 please see attached report for details

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 11, 2010

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 1/6/2010	

2 December 2009

Mr. Marvin Hendricks
Petroleum Engineer
Bureau of Land Management
Price Field Office
Price, Utah

Subject: Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29-T17S-R1W
Sanpete County, Utah.

Dear Mr. Hendricks:

The following are the operations reports for the eleven day period 22 November 2009 through 2 December 2009. The report dates shown are the ending date and the reported operations cover the period from 06:00 hrs the previous day to 06:00 hrs of the indicated report date.

22 November 2009

Depth 341' GL, csg shoe at: 27'. Drill to 341'. MW – 9.8, Vis. – 37, FL – 8.4. Surveys: 0.25° @ 260'.

23 November 2009

Depth 500' GL, csg shoe at: 27'. Drill to 500', C&C. MW – 9.9, Vis. – 36, FL – 8. Surveys: None.

24 November 2009

Depth 500' GL, csg shoe at: 27'. C&C, survey, TOH laying down DP and BHA, run tremmie pipe and 20" x 3/8 wall conductor casing to 500' GL, RU surface lines and cementing equipment. MW – 10, Vis. – 37, FL – 8. Surveys: 3/4° @ 500'.

25 November 2009

Depth 500' GL, csg shoe at 27' GL. Rig up to cement by tremmie pipe method, cement in 5 batches, batch 1: mix and pump 24 sx (28 cf) of cement mixed at 15.8 ppg, pull grout string above cement top and WOC, tag cmt at 480', batch 2: pump redimix, 216 cf of portland at 15.8 ppg, pull grout string to 360' and WOC, batch 3: pump redimix, 189 cf of portland at 15.9 ppg, pull grout string to 240' and WOC, batch 4: pump redimix, 189 cf of portland at 15.8 ppg, pull grout string to 120' and WOC, batch 5: pump redimix, 189 cf of portland at 15.7 ppg, 6 cf cement slurry returns to pit, clean up cmt equipment, NU diverter, GIH w/ 17.5" bit. MW – not reported, Vis. – not reported, FL – not reported. Surveys: none.

26 November 2009

Depth 578' GL, csg shoe at 500' GL. Drill cement from 496' to 500', drill 17.5 inch hole to 578, trip for additional BHA. MW – 9.5, Vis. – 45, FL – 6.4. Surveys: none.

27 November 2009

Depth 686' GL, csg shoe at 500' GL. Trip for additional BHA, drill with reverse circulation dump flood method (RCDF). MW – 9.5, Vis. – 42, FL – 6. Surveys: none.

28 November 2009

Depth 926' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.4, Vis. – 40, FL – 4. Surveys: 1.5° @ 900'.

29 November 2009

Depth 1146' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.1, Vis. – 44, FL – 7.2. Surveys: none.

30 November 2009

Depth 1286' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.2, Vis. – 42, FL – 7.2. Surveys: none.

1 December 2009

Depth 1430' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 9.2, Vis. – 42, FL – 7.2. Surveys: 2.5° @ 1286'.

2 December 2009

Depth 1554' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF). MW – 8.7, Vis. – 40, FL – 10.2. Surveys: None.

Sincerely:

A handwritten signature in black ink that reads "John C. Magill". The signature is written in a cursive style with a large, prominent "J" and "M".

John C. Magill, P.E.
Drilling Engineering and Operations Consultant
Wolverine Operating Company of Utah, LLC

5 December 2009

Mr. Marvin Hendricks
Petroleum Engineer
Bureau of Land Management
Price Field Office
Price, Utah

Subject: Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE¼ SW¼ Sec 29-T17S-R1W
Sanpete County, Utah.

Dear Mr. Hendricks:

The following are the operations reports for three day period 3 December 2009 through 5 December 2009. The report dates shown are the ending date and the reported operations cover the period from 06:00 hrs the previous day to 06:00 hrs of the indicated report date.

3 December 2009

Depth 1611' GL, csg shoe at 500' GL. Drill with reverse circulation dump flood method (RCDF), survey, POOH, LD drill pipe & BHA. MW – 8.7, Vis. – 37, FL – 15.2.
Surveys: 4.75° @ 1606' & 4.5° @ 1611'.

4 December 2009

Depth 1611' GL, csg shoe at 500' GL. Lay dn BHA & bit, RDMORT. MW – not reported, Vis. – not reported, FL – not reported. Surveys: None.

5 December 2009

Depth 1611' GL, csg shoe at 500' GL. RDMORT. MW – not reported, Vis. – not reported, FL – not reported. Surveys: None.

Sincerely:



John C. Magill, P.E.
Drilling Engineering and Operations Consultant
Wolverine Operating Company of Utah, LLC

12 December 2009

Mr. Marvin Hendricks
Petroleum Engineer
Bureau of Land Management
Price Field Office
Price, Utah

Subject: Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29-T17S-R1W
Sanpete County, Utah.

Dear Mr. Hendricks:

The following are the operations reports for seven day period 6 December 2009 through 12 December 2009. The report dates shown are the ending date and the reported operations cover the period from 06:00 hrs the previous day to 06:00 hrs of the indicated report date.

6 - 12 December 2009

Depth 1611' GL, csg shoe at 500' GL. Operations suspended temporarily. MW – NA,
Vis. – NA, FL – NA. Surveys: none.

Sincerely:

A handwritten signature in black ink that reads "John C. Magill". The signature is written in a cursive, flowing style.

John C. Magill, P.E.
Drilling Engineering and Operations Consultant
Wolverine Operating Company of Utah, LLC

1 January 2010

Mr. Marvin Hendricks
Petroleum Engineer
Bureau of Land Management
Price Field Office
Price, Utah

Subject: Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29-T17S-R1W
Sanpete County, Utah.

Dear Mr. Hendricks:

The following are the operations reports for twenty day period 13 December 2009 through 1 January 2010. The report dates shown are the ending date and the reported operations cover the period from 06:00 hrs the previous day to 06:00 hrs of the indicated report date.

13 December 2009 – 1 January 2010

Depth 1611' GL, csg shoe at 500' GL. Operations suspended temporarily. MW – NA,
Vis. – NA, FL – NA. Surveys: none.

Sincerely:

A handwritten signature in black ink that reads "John C. Magill". The signature is written in a cursive, flowing style.

John C. Magill, P.E.
Drilling Engineering and Operations Consultant
Wolverine Operating Company of Utah, LLC

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.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: Painted Rock Federal 29-1
2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	9. API NUMBER: 43039300360000
3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	PHONE NUMBER: 616 458-1150 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT COUNTY: SANPETE STATE: UTAH

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

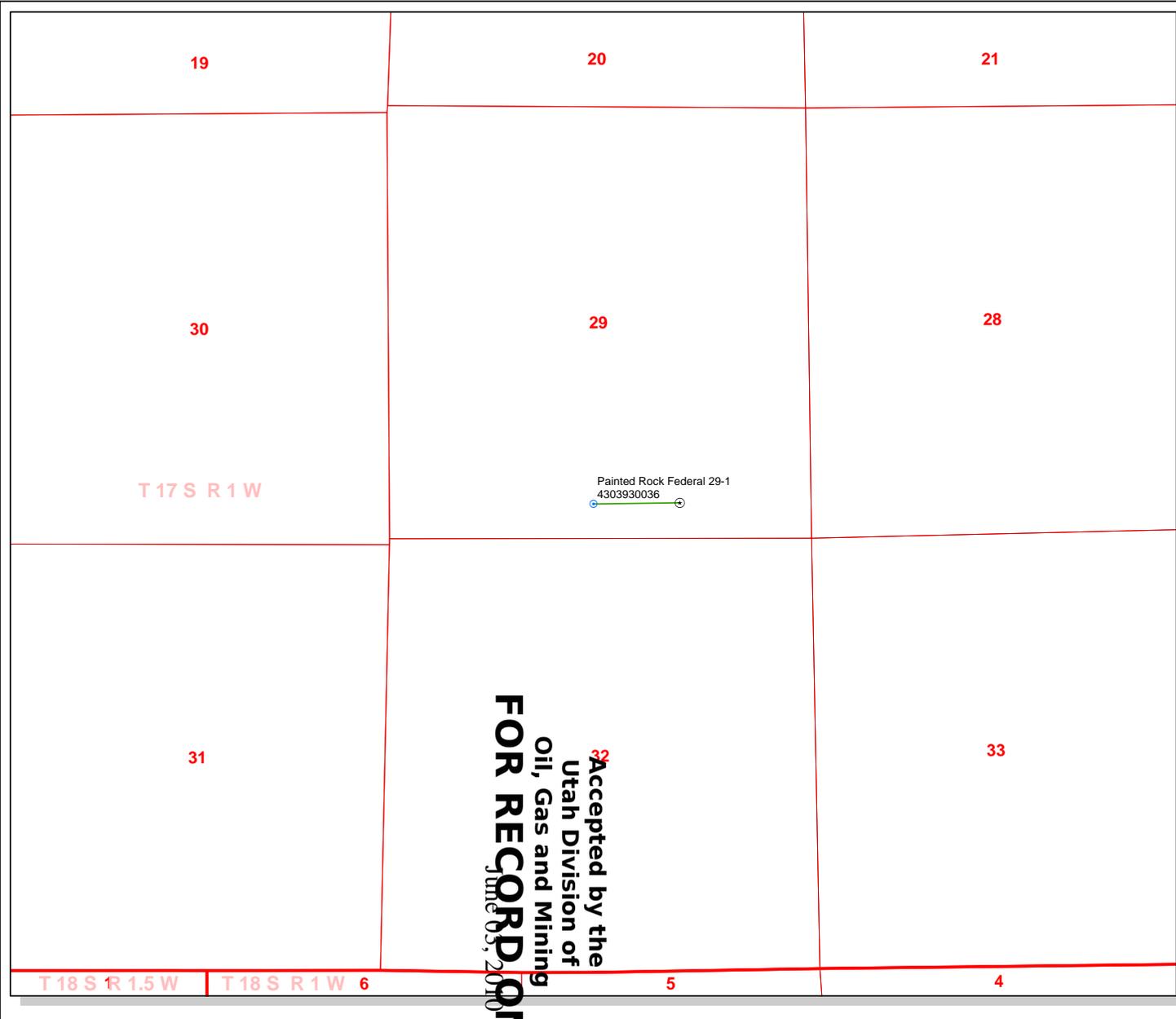
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/15/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" 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 type="checkbox"/> OTHER	OTHER:

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

See attachment for description of proposed operations.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 June 05, 2010

NAME (PLEASE PRINT) Charles Irons	PHONE NUMBER 435 896-1943	TITLE Senior Landman
SIGNATURE N/A	DATE 5/28/2010	



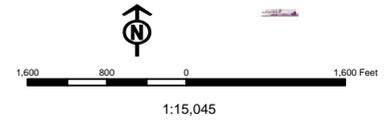
Accepted by the
 Utah Division of
 Oil, Gas and Mining
 June 05, 2010
FOR RECORD ONLY

Painted Rock Federal 29-1
 4303930036

API Number: 4303930036
Well Name: Painted Rock Federal 29-1
Township 17.0 S Range 01.0 W Section 29
Meridian: SLBM
 Operator: WOLVERINE OPERATING COMPANY OF UTAH, LLC

Map Prepared:
 Map Produced by Diana Mason

- | Units | Wells Query |
|---------------|------------------------------------|
| STATUS | STATUS |
| ACTIVE | -call other values- |
| EXPLORATORY | APD - Approved Permit |
| GAS STORAGE | DRL - Spudded (Drilling Commenced) |
| NF PP OIL | GW - Gas Injection |
| NF SECONDARY | GS - Gas Storage |
| PI OIL | LA - Location Abandoned |
| PP GAS | LOC - New Location |
| PP GEOTHERMAL | OPS - Operation Suspended |
| PP OIL | PA - Plugged Abandoned |
| SECONDARY | PGW - Producing Gas Well |
| TERMINATED | POW - Producing Oil Well |
| Fields | RET - Returned APD |
| Sections | SGW - Shut-in Gas Well |
| Township | SOW - Shut-in Oil Well |
| | TA - Temp. Abandoned |
| | TW - Test Well |
| | WDW - Water Disposal |
| | WWI - Water Injection Well |
| | WSW - Water Supply Well |



Attachment to Sundry Notice dated 5/28/2010

Submitted to State of Utah, Division of Oil, Gas and Mining

By Wolverine Operating Company of Utah, LLC

Item #12:

1. Wolverine Operating Company is requesting a change to the originally approved APD for the mud system used to drill the Arapien section. In the original APD Wolverine anticipated using a salt-saturated mud system to drill the Arapien section below the 13 3/8" casing. After our recent experience in drilling the Arapien section in the Cedar Ridge 17-1 and Mayfield 19-1, Wolverine is now proposing to use an oil-based mud system to drill the Arapien section. The existing two-compartment pit will still be used (no changes to pit planned), but now one side will be used to stage OBM cuttings. After the well is finished drilling, Wolverine proposes treating the OBM cuttings using Soli-Bond company process and leaving the cuttings in place.

2. The proposed well was approved as a vertical well. After recent seismic additions/ processing in the area Wolverine is now proposing to directionally drill the well approximately 1070' east of the surface hole location. A proposed directional plan is attached.

The new proposed bottom hole location at TD: 471' FSL, 1636' FEL (SW4/SE4) Section 29, T17S, R1W, SLM.

See attached exception location and directional drilling letter, with attached plats pursuant to R649-3-2 and R649-3-11.



Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____ Calculation Method Minimum Curvature
 Magnetic Decl.: _____ Proposed Azimuth 90
 Grid Corr.: _____ Depth Reference _____
 Total Survey Corr.: _____ Tie Into: Surface
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
0		0	0.00	0.00		0.00		0.00	0.00					
1		2,000.00	0.00	0.00	2000	2000.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
2		2,100.00	0.00	0.00	100	2100.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
3		2,200.00	0.00	0.00	100	2200.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
4		2,300.00	0.00	0.00	100	2300.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
5		2,400.00	0.00	0.00	100	2400.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
6		2,500.00	0.00	0.00	100	2500.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
7		2,600.00	0.00	0.00	100	2600.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
8		2,700.00	0.00	0.00	100	2700.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
9		2,800.00	0.00	0.00	100	2800.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
10		2,900.00	0.00	0.00	100	2900.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
11		3,000.00	0.00	0.00	100	3000.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
12		3,100.00	0.00	0.00	100	3100.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
13		3,200.00	0.00	0.00	100	3200.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
14		3,300.00	0.00	0.00	100	3300.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
15		3,400.00	0.00	0.00	100	3400.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
16		3,500.00	0.00	0.00	100	3500.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
17		3,600.00	0.00	0.00	100	3600.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
18		3,700.00	0.00	0.00	100	3700.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
19		3,800.00	0.00	0.00	100	3800.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
20		3,900.00	0.00	0.00	100	3900.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
21		4,000.00	0.00	0.00	100	4000.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.0	0.0
22		4,100.00	1.50	90.00	100	4099.99	1.31	0.00 N	1.31 E	1.31	90.00	1.50	1.5	90.0
23		4,200.00	3.00	90.00	100	4199.91	5.23	0.00 N	5.23 E	5.23	90.00	1.50	1.5	0.0
24		4,300.00	4.50	90.00	100	4299.69	11.77	0.00 N	11.77 E	11.77	90.00	1.50	1.5	0.0
25		4,400.00	6.00	90.00	100	4399.27	20.92	0.00 N	20.92 E	20.92	90.00	1.50	1.5	0.0

RECEIVED May 28, 2010



Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____ Calculation Method Minimum Curvature
 Magnetic Decl.: _____ Proposed Azimuth 90
 Grid Corr.: _____ Depth Reference _____
 Total Survey Corr.: _____ Tie Into: Surface
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
26		4,500.00	7.50	90.00	100	4498.57	32.68	0.00 N	32.68 E	32.68	90.00	1.50	1.5	0.0
27		4,600.00	9.00	90.00	100	4597.54	47.03	0.00 N	47.03 E	47.03	90.00	1.50	1.5	0.0
28		4,700.00	10.50	90.00	100	4696.09	63.96	0.00 N	63.96 E	63.96	90.00	1.50	1.5	0.0
29		4,800.00	12.00	90.00	100	4794.16	83.47	0.00 N	83.47 E	83.47	90.00	1.50	1.5	0.0
30		4,900.00	13.50	90.00	100	4891.70	105.54	0.00 N	105.54 E	105.54	90.00	1.50	1.5	0.0
31		5,000.00	15.00	90.00	100	4988.62	130.15	0.00 N	130.15 E	130.15	90.00	1.50	1.5	0.0
32		5,100.00	15.00	90.00	100	5085.21	156.04	0.00 N	156.04 E	156.04	90.00	0.00	0.0	0.0
33		5,200.00	15.00	90.00	100	5181.80	181.92	0.00 N	181.92 E	181.92	90.00	0.00	0.0	0.0
34		5,300.00	15.00	90.00	100	5278.39	207.80	0.00 N	207.80 E	207.80	90.00	0.00	0.0	0.0
35		5,400.00	15.00	90.00	100	5374.99	233.68	0.00 N	233.68 E	233.68	90.00	0.00	0.0	0.0
36		5,500.00	15.00	90.00	100	5471.58	259.56	0.00 N	259.56 E	259.56	90.00	0.00	0.0	0.0
37		5,600.00	15.00	90.00	100	5568.17	285.45	0.00 N	285.45 E	285.45	90.00	0.00	0.0	0.0
38		5,700.00	15.00	90.00	100	5664.76	311.33	0.00 N	311.33 E	311.33	90.00	0.00	0.0	0.0
39		5,800.00	15.00	90.00	100	5761.36	337.21	0.00 N	337.21 E	337.21	90.00	0.00	0.0	0.0
40		5,900.00	15.00	90.00	100	5857.95	363.09	0.00 N	363.09 E	363.09	90.00	0.00	0.0	0.0
41		6,000.00	15.00	90.00	100	5954.54	388.97	0.00 N	388.97 E	388.97	90.00	0.00	0.0	0.0
42		6,100.00	15.00	90.00	100	6051.13	414.85	0.00 N	414.85 E	414.85	90.00	0.00	0.0	0.0
43		6,200.00	15.00	90.00	100	6147.73	440.74	0.00 N	440.74 E	440.74	90.00	0.00	0.0	0.0
44		6,300.00	15.00	90.00	100	6244.32	466.62	0.00 N	466.62 E	466.62	90.00	0.00	0.0	0.0
45		6,400.00	15.00	90.00	100	6340.91	492.50	0.00 N	492.50 E	492.50	90.00	0.00	0.0	0.0
46		6,500.00	15.00	90.00	100	6437.50	518.38	0.00 N	518.38 E	518.38	90.00	0.00	0.0	0.0
47		6,600.00	15.00	90.00	100	6534.10	544.26	0.00 N	544.26 E	544.26	90.00	0.00	0.0	0.0
48		6,700.00	15.00	90.00	100	6630.69	570.15	0.00 N	570.15 E	570.15	90.00	0.00	0.0	0.0
49		6,800.00	15.00	90.00	100	6727.28	596.03	0.00 N	596.03 E	596.03	90.00	0.00	0.0	0.0
50		6,900.00	15.00	90.00	100	6823.87	621.91	0.00 N	621.91 E	621.91	90.00	0.00	0.0	0.0

RECEIVED May 28, 2010



Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____
 Magnetic Decl.: _____
 Grid Corr.: _____
 Total Survey Corr.: _____
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

Calculation Method Minimum Curvature
 Proposed Azimuth 90
 Depth Reference _____
 Tie Into: Surface

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
51		7,000.00	15.00	90.00	100	6920.47	647.79	0.00 N	647.79 E	647.79	90.00	0.00	0.0	0.0
52		7,100.00	15.00	90.00	100	7017.06	673.67	0.00 N	673.67 E	673.67	90.00	0.00	0.0	0.0
53		7,200.00	15.00	90.00	100	7113.65	699.56	0.00 N	699.56 E	699.56	90.00	0.00	0.0	0.0
54		7,300.00	15.00	90.00	100	7210.25	725.44	0.00 N	725.44 E	725.44	90.00	0.00	0.0	0.0
55		7,400.00	15.00	90.00	100	7306.84	751.32	0.00 N	751.32 E	751.32	90.00	0.00	0.0	0.0
56		7,500.00	13.50	90.00	100	7403.76	775.93	0.00 N	775.93 E	775.93	90.00	1.50	-1.5	0.0
57		7,600.00	12.00	90.00	100	7501.29	798.00	0.00 N	798.00 E	798.00	90.00	1.50	-1.5	0.0
58		7,700.00	10.50	90.00	100	7599.37	817.51	0.00 N	817.51 E	817.51	90.00	1.50	-1.5	0.0
59		7,800.00	10.50	90.00	100	7697.69	835.74	0.00 N	835.74 E	835.74	90.00	0.00	0.0	0.0
60		7,900.00	10.50	90.00	100	7796.02	853.96	0.00 N	853.96 E	853.96	90.00	0.00	0.0	0.0
61		8,000.00	10.50	90.00	100	7894.34	872.18	0.00 N	872.18 E	872.18	90.00	0.00	0.0	0.0
62		8,100.00	10.50	90.00	100	7992.67	890.41	0.00 N	890.41 E	890.41	90.00	0.00	0.0	0.0
63		8,200.00	10.50	90.00	100	8090.99	908.63	0.00 N	908.63 E	908.63	90.00	0.00	0.0	0.0
64		8,300.00	10.50	90.00	100	8189.32	926.85	0.00 N	926.85 E	926.85	90.00	0.00	0.0	0.0
65		8,400.00	10.50	90.00	100	8287.64	945.08	0.00 N	945.08 E	945.08	90.00	0.00	0.0	0.0
66		8,500.00	10.50	90.00	100	8385.97	963.30	0.00 N	963.30 E	963.30	90.00	0.00	0.0	0.0
67		8,600.00	10.50	90.00	100	8484.29	981.52	0.00 N	981.52 E	981.52	90.00	0.00	0.0	0.0
68		8,700.00	10.50	90.00	100	8582.62	999.75	0.00 N	999.75 E	999.75	90.00	0.00	0.0	0.0
69		8,800.00	10.50	90.00	100	8680.95	1017.97	0.00 N	1017.97 E	1017.97	90.00	0.00	0.0	0.0
70		8,900.00	10.50	90.00	100	8779.27	1036.19	0.00 N	1036.19 E	1036.19	90.00	0.00	0.0	0.0
71		9,000.00	6.00	90.00	100	8878.21	1050.54	0.00 N	1050.54 E	1050.54	90.00	4.50	-4.5	0.0
72		9,100.00	4.50	90.00	100	8977.79	1059.69	0.00 N	1059.69 E	1059.69	90.00	1.50	-1.5	0.0
73		9,200.00	3.00	90.00	100	9077.57	1066.23	0.00 N	1066.23 E	1066.23	90.00	1.50	-1.5	0.0
74		9,300.00	1.50	90.00	100	9177.49	1070.16	0.00 N	1070.16 E	1070.16	90.00	1.50	-1.5	0.0
75		9,400.00	0.00	90.00	100	9277.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	1.50	-1.5	0.0

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Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____ Calculation Method Minimum Curvature
 Magnetic Decl.: _____ Proposed Azimuth 90
 Grid Corr.: _____ Depth Reference _____
 Total Survey Corr.: _____ Tie Into: Surface
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
76		9,500.00	0.00	90.00	100	9377.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
77		9,600.00	0.00	90.00	100	9477.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
78		9,700.00	0.00	90.00	100	9577.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
79		9,800.00	0.00	90.00	100	9677.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
80		9,900.00	0.00	90.00	100	9777.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
81		10,000.00	0.00	90.00	100	9877.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
82		10,100.00	0.00	90.00	100	9977.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
83		10,200.00	0.00	90.00	100	10077.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
84		10,300.00	0.00	90.00	100	10177.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
85		10,400.00	0.00	90.00	100	10277.48	1071.46	0.00 N	1071.46 E	1071.46	90.00	0.00	0.0	0.0
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Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

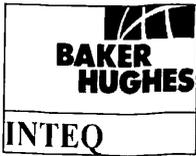
Job Number: _____
 Magnetic Decl.: _____
 Grid Corr.: _____
 Total Survey Corr.: _____
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

Calculation Method Minimum Curvature
 Proposed Azimuth 90
 Depth Reference _____
 Tie Into: Surface

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wik Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			

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Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____ Calculation Method Minimum Curvature
 Magnetic Decl.: _____ Proposed Azimuth 90
 Grid Corr.: _____ Depth Reference _____
 Total Survey Corr.: _____ Tie Into: Surface
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			

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Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____
 Magnetic Decl.: _____
 Grid Corr.: _____
 Total Survey Corr.: _____
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

Calculation Method Minimum Curvature
 Proposed Azimuth 90
 Depth Reference _____
 Tie Into: Surface

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			

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Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____
 Magnetic Decl.: _____
 Grid Corr.: _____
 Total Survey Corr.: _____
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

Calculation Method Minimum Curvature
 Proposed Azimuth 90
 Depth Reference _____
 Tie Into: Surface

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			

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Company: Wolverine Gas & Oil
 Field: Wildcat
 Cty/Blk/Par: Sanpete County, UT
 Well Name: Painted Rock 29-1
 Rig: _____

Job Number: _____
 Magnetic Decl.: _____
 Grid Corr.: _____
 Total Survey Corr.: _____
 Target Info: DRAFT-For Sundry Purposes Only (eah 5-14-10)

Calculation Method Minimum Curvature
 Proposed Azimuth 90
 Depth Reference _____
 Tie Into: Surface

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wik Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			

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WOLVERINE OPERATING COMPANY OF UTAH, LLC

Energy Exploration in Partnership with the Environment



May 28, 2010

Diana Mason
Permitting—Petroleum Technician
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Sundry Notice (API 4303930036)
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1

Dear Mrs. Mason:

Wolverine Operating Company of Utah, LLC (Wolverine) hereby submits this letter with the following plats, as part of the *Sundry Notice* for the referenced well:

- R649-3-2 Exception Plat showing proposed BHL in relation to 400'x400' window;
- R649-3-11 Directional Drilling Application Plat showing proposed SHL and BHL.

The proposed location is within 460' of a drilling unit boundary, so a request for exception to spacing (R649-3-2) is hereby requested for the well based on restrictive topography relative to and the need to drill at an optimum structural location. Wolverine is the only owner and operator within 460' of the proposed well location.

This letter and the accompanying plats are also intended to serve as an application for directionally drilling the well per R649-3-11. Wolverine is the owner of all oil and gas within 460 feet from all points along the intended wellbore for the well. Information relating to R649-3-11 is as follows:

Operator: Wolverine Operating Company of Utah, LLC

Address: 1140 N Centennial Park Drive
Richfield, Utah 84701

Wolverine Operating Company of Utah, LLC
1140 N Centennial Park Drive, Richfield, Utah 84701. Phone: 435-896-1943, Fax: 435-893-2134

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Well: Painted Rock Federal 29-1
Field: Wildcat
Reservoir: Navajo
County: Sanpete
Reason: Restrictive topography and to minimize surface impact

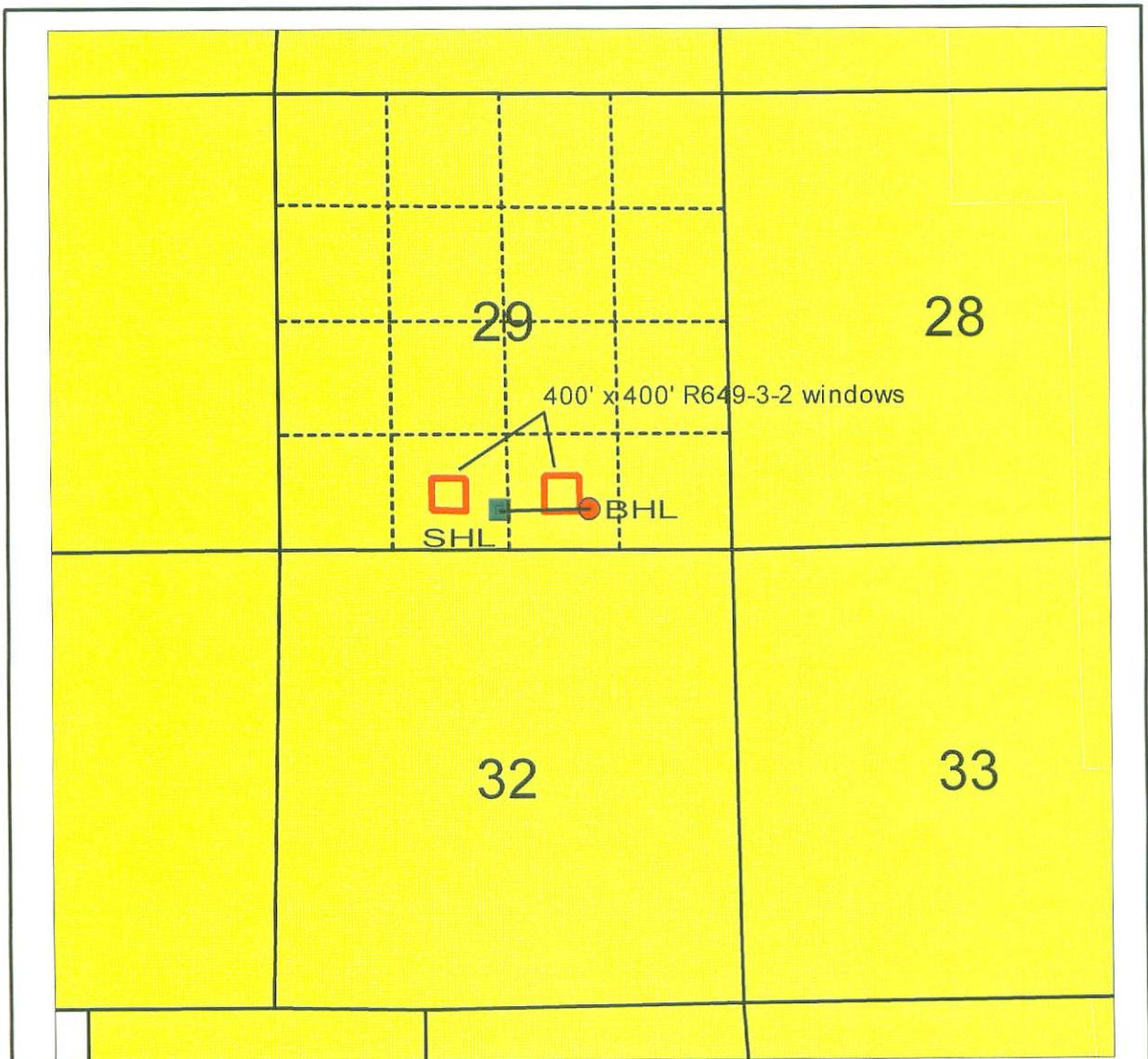
Please accept this letter as Wolverine's written request for confidential treatment of all information contained in and relating to this application and proposed well.

Thank you for consideration of this application. Please feel free to contact me or Paul Spiering of this office if you have any questions or need additional information.

Sincerely,



Charlie Irons
Senior Landman



Painted Rock Federal 29-1

SHL: 2706' FEL, 471' FSL, SE/4 SW/4, Sec. 29, T17S, R1W, Sanpete Co., UT

BHL: 1636' FEL, 471' FSL, SW/4 SE/4, Sec. 29, T17S, R1W, Sanpete Co., UT

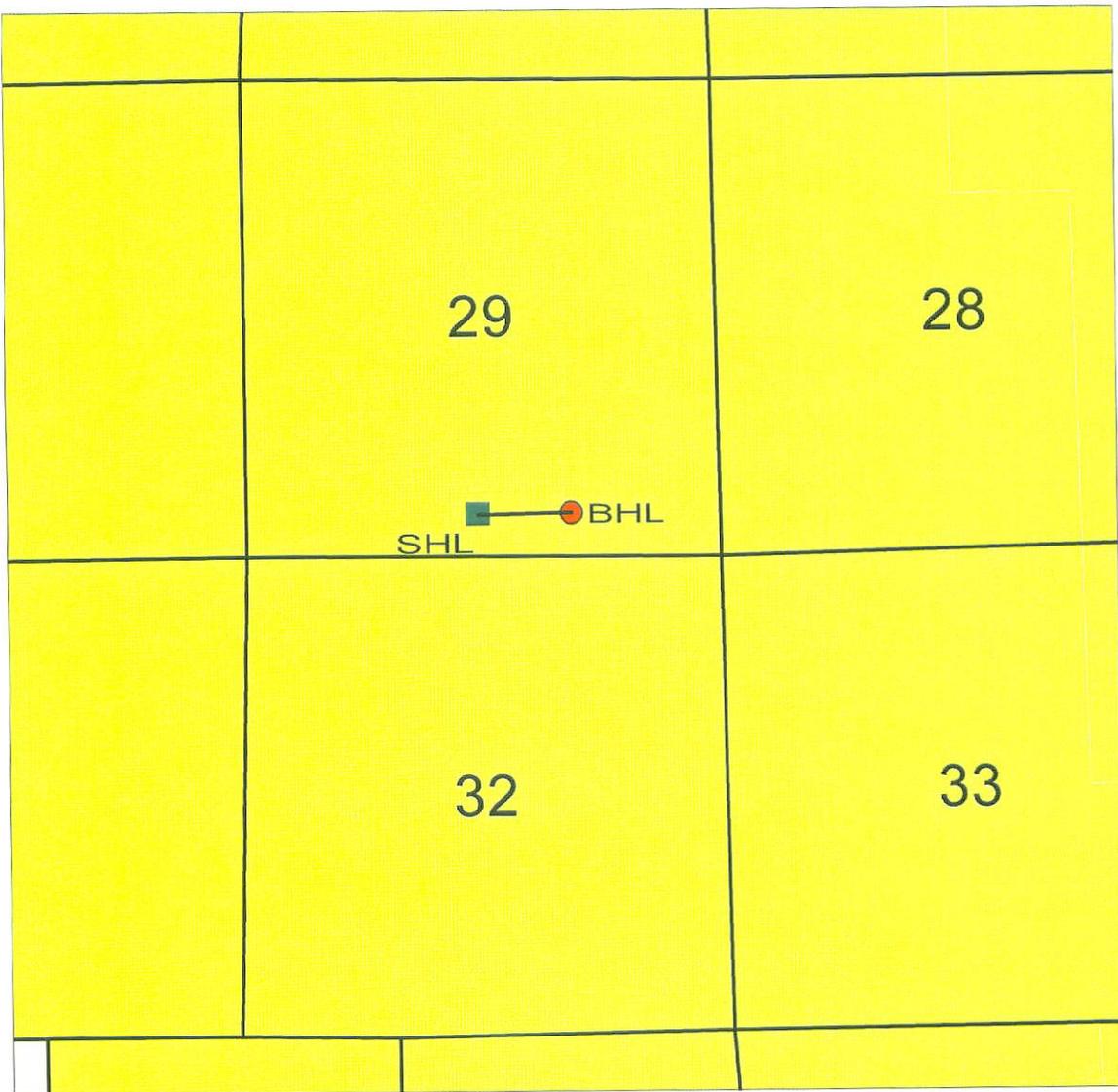
 400' x 400' R649-3-2 window

 Wolverine Lease

1 inch = 2000 feet



	<p>WOLVERINE GAS & OIL Company of Utah, LLC (Operator) <i>Energy Exploration in Partnership with the Environment</i></p> <p>ONE RIVERFRONT PLAZA 55 CAMPAU, N.W. GRAND RAPIDS, MI 49503-2616 (616) 458-1150</p>
<p>Painted Rock Federal 29-1 Well Location Exception Location and Ownership Plat (R649-3-2)</p>	
<p>Date: 5/28/2010</p>	<p>Author: Mark Lutz Filename: Document in mjl painted rock drilling block.gmp</p>



Painted Rock Federal 29-1

SHL: 2706' FEL, 471' FSL, SE/4 SW/4, Sec. 29, T17S, R1W, Sanpete Co., UT

BHL: 1636' FEL, 471' FSL, SW/4 SE/4, Sec. 29, T17S, R1W, Sanpete Co., UT

 Wolverine Lease

1 inch = 2000 feet



WOLVERINE GAS & OIL Company of Utah, LLC
(Operator)

Energy Exploration in Partnership with the Environment

ONE RIVERFRONT PLAZA
55 CAMPAU, N.W.
GRAND RAPIDS, MI 49503-2616
(616) 458-1150

Painted Rock Federal 29-1 Well Location
Directional Drilling Application Plat
(R649-3-11)

Date: 5/28/2010

Author: Mark Lutz
Filename: Document in mjl painted rock drilling block.gmp

Carol Daniels - Painted Rock Federal 29-1 Update *TMS ROW 5-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Donovan, Bill" , "Emerson, Chuck " , "Higuera, Ed" , "Magill, Jack" , "Tom, Zupan" ,
"Treybig, Jerry"
Date: 6/30/2010 4:39 PM
Subject: Painted Rock Federal 29-1 Update

Status @ 1630hrs: Moving in Patterson-UTI Rig #304. 50% of Components on location (Not Set). Setting Matting Board.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUN 30 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T17S R01W S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/1/2010 7:39 PM
Subject: Painted Rock Federal 29-1 Update

Rig Rotary Beams & Subs Failed Inspection. Will Require Major Repair estimated to take approx 4 days.
RU will be delayed. Will keep you updated via email. Call if you have questions.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 01 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update

T175 R01W 5-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/2/2010 7:43 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0730hrs: Rigging up PUTI #304. New rotary beams are being fabricated & will arrive in 2-3 days. Could Set derrick today.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 02 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update T175 RO1W S-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Donovan, Bill" , "Emerson, Chuck " , "Higuera, Ed" , "Magill, Jack" , "Tom, Zupan" ,
"Treybig, Jerry"
Date: 7/2/2010 4:24 PM
Subject: Painted Rock Federal 29-1 Update

Status @ 1600hrs: Sub Set, Starting to assemble Derrick on Location. Most Major Component set except Drawworks. Will raise derrick tomorrow.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 02 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update

T/NS Rolw 5-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/3/2010 7:45 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0730hrs: Rigging Up Day 5. Assembling Derrick & Prep to Set & Raise. Completing Drawworks Repairs.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 03 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update

T 175 ROW S-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/4/2010 8:00 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0800hrs: Raise Derrick. Finish RU while Rotary Beams are being fabricated. Finish Rigging up solids control & Air Return lines.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 04 2010

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Page 1 of 1

Carol Daniels - Painted Rock Fed 29-1 Update

T195 RO1W S-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/4/2010 6:37 PM
Subject: Painted Rock Fed 29-1 Update

Status @ 1830hrs: Derrick set. Finish RU. Repair Rotary Support. Will not PU tools before Wed morning.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 04 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update

T 175 ROW S-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/5/2010 7:27 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0730hrs: Finish RU while fabricating rotary support beams. RU Air package.
Possibly picking up tools Wednesday.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 05 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update

T 175 RO145-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/7/2010 7:30 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0730hrs: Finishing RU – Repairing Rotary Beams – Possible Spud Thursday Evening.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 07 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update *T17S ROW S-29 43-0393003*

From: "Wolverine Exploration Rig"
To: "Donovan, Bill" , "Emerson, Chuck " , "Higuera, Ed" , "Magill, Jack" , "Tom, Zupan" ,
"Treybig, Jerry"
Date: 7/7/2010 4:06 PM
Subject: Painted Rock Fed 29-1 Update

Status @ 1600hrs: Welding on Rotary Support Bream Assembly in place. Finalizing Blooie Lines. Filling Steel Pits.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 07 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update *T195R01W5-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/8/2010 8:11 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0800hrs: Set Rotary Table – Rig Up Floor – Final Rig up. Prepare to pick up BHA #1.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 08 2010

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
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: Painted Rock Federal 29-1
2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	9. API NUMBER: 43039300360000
3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	PHONE NUMBER: 616 458-1150 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT COUNTY: SANPETE STATE: UTAH

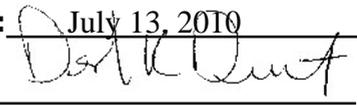
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/10/2010 <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 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 checked="" 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:

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

Wolverine Operating Company of Utah, LLC is requesting one change on the proposed setting depth for the 13-3/8 casing setting depth. The revised seismic evaluation suggest the Arapien top is closer to 3900' and not at +/- 2900' as originally thought . Therefore, we propose setting the 13-3/8 into the Arapien and cementing the casing, as follows; Casing: 13-3/8", 68#, J-55, BTC set from 0-1500' 13-3/8", 68#, P-110, BTC set from 1500-4000' Cementing: Lead: 1350 sacks, Tuned Light system, density 10 ppg; Yield 2.40 cf/sack; Tail: 350 sacks, Halcem system, density 13 ppg; Yield 1.60 cf/sack

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

Date: July 13, 2010


NAME (PLEASE PRINT) Charles Irons	PHONE NUMBER 435 896-1943	TITLE Senior Landman
SIGNATURE N/A	DATE 7/9/2010	

Carol Daniels - Painted Rock Fed 29-1 Update

T 175 R 014 S 29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/9/2010 8:42 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0830hrs: Picking Up BHA #1.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 09 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - PRF 29-1 Update

TIPS ROW S-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/10/2010 8:36 AM
Subject: PRF 29-1 Update

Status @ 0730hrs: TIH to Unload w/ Air/Soap.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED
JUL 10 2010
DIV. OF OIL, GAS & MINING

Carol Daniels - PRF 29-1 Update

T195, R01W 5-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/11/2010 7:54 AM
Subject: PRF 29-1 Update

Status @ 0800hrs: Drilling @ 1,646' w/ MWD.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 11 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update

J 129 ROW S-29 43 037 30036

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" ,
"Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin
Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks,
Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones, Mark" , "Kulow,
Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten,
Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" ,
"Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" ,
"Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" ,
"Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/12/2010 8:34 AM
Subject: Painted Rock Federal 29-1 Update

7/12/2010 8:25 AM

Hole depth 1,762', Tripping for new bit

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 12 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1*TIPS ROW 5-89 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/13/2010 8:17 AM
Subject: Painted Rock Federal 29-1

7/13/2010 8:13 AM

Drilling at 1,832' PR 7 FPH

Casing point at 4,000'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 13 2010

DEPT. OF OIL, GAS & MINING

CONFIDENTIAL**Carol Daniels - Painted Rock Federal 29-1 Update***T175 R01W 5-29 43-039-32636*

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksy, Brian" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/14/2010 7:51 AM
Subject: Painted Rock Federal 29-1 Update

7/14/2010 7:48 AM

Drlg at 1,983'

Casing point 4,000'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED**JUL 14 2010****DIV. OF OIL, GAS & MINING**

Carol Daniels - Painted Rock Federal 29-1 Update

T 179 ROW 5-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/15/2010 7:41 AM
Subject: Painted Rock Federal 29-1 Update

7/15/2010 7:37 AM

Drilling at 2,122', PR 6 FPH,

Estimated casing point 4,000'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 15 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *7125 ROWS-29 43-039-30036*

From: "Wolverine Exploration Rig"

To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksy, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 7/16/2010 8:16 AM

Subject: Painted Rock Federal 29-1 Update

7/16/2010 8:13 AM

Tripping for new bit at 2,248'

Casing point approximately 4,000'

Bill Donovan

Drilling Supervisor

Wolverine Operating Company of Utah, LLC

Painted Rock Federal 29-1, AFE 183

Rig (970) 812-0022

Cell (720) 351-7470

Fax (435) 304-1222

wolvexpl@drillmail.net

RECEIVED

JUL 16 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update

T19S R01W 5-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis " , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksy, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/17/2010 7:46 AM
Subject: Painted Rock Federal 29-1 Update

7/17/2010 7:42 AM

Hole depth 2,248', Spotting LCM

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 17 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T 125 ROW 5-29 43-039-3008*

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/18/2010 10:08 AM
Subject: Painted Rock Federal 29-1 Update

7/18/2010 9:41 AM

TIH at bit depth 1,639', Hole depth 2,248'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 18 2010

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Carol Daniels - Painted Rock Federal 29-1 Update

T195 RO1W S-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" ,
"Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin
Dunning" , "George Zamantakis " , "Hall, Denise" , "Hammell, Hank" , "Hendricks,
Marvin" , "Hutcinson, Clayton" , "Janksy, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan
Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen,
Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler,
Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/19/2010 7:30 AM
Subject: Painted Rock Federal 29-1 Update

7/19/2010 7:28 AM

Drilling at 2,345'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 19 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 *TIPS ROW S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/20/2010 7:47 AM
Subject: Painted Rock Federal 29-1

7/20/2010 7:44 AM

Drilling at 2,562', ROP 7-10 FHP

Estimated casing point 4,000'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 20 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update T 175 R 01W S-29 43-037-30036

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/21/2010 7:38 AM
Subject: Painted Rock Federal 29-1 Update

7/21/2010 7:34 AM

Drilling at 2,700', ROP 5 FPH,

Expect a bit trip in next 2 days

Estimated casing point 4,000'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 21 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T 175 Ro1w S-29 43-039-3008*

From: "Wolverine Exploration Rig"
To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" ,
"Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin
Dunning" , "George Zamantakis " , "Hall, Denise" , "Hammell, Hank" , "Hendricks,
Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan
Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen,
Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler,
Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 7/22/2010 1:29 PM
Subject: Painted Rock Federal 29-1 Update

7/22/2010 1:21 PM

Circulating at 2,848' prior to TOH for new bit

Estimated casing point 4,000'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED
JUL 22 2010
DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update

TIPS ROWS-29 43-039-30036

From: "Wolverine Exploration Rig"

To: "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksy, Brian" , "Jeff Ainge" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 7/23/2010 7:53 AM

Subject: Painted Rock Federal 29-1 Update

7/23/2010 7:50 AM

Drilling with aerated water at 2,859', PR 6 FPH

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 23 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - PRF 29-1 Update

TINS ROW 5-27 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/24/2010 7:38 AM
Subject: PRF 29-1 Update

Status @ 0730hrs: Drilling @ 3,071'.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 24 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - PRF 29-1 Update

TINS ROW 5-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/25/2010 7:48 AM
Subject: PRF 29-1 Update

Status @ 0745hrs: Drilling @ 3,222'. Possible Intermediate Casing Point 4,000' -4,500'

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 25 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Fed 29-1 Update

TINS ROWS-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/26/2010 7:15 AM
Subject: Painted Rock Fed 29-1 Update

Status @ 0715hrs: Drilling @ 3,452'

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

JUL 26 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - PRF 29-1 Update

TIH ROW 5-A 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/27/2010 7:48 AM
Subject: PRF 29-1 Update

Status @ 0745hrs: TIH w/ Rotary Steerable Tools. Unloading Hole @ 3,000'.

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
Fax (435) 304-1222
wolvexpl@drillmail.net

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JUL 27 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - PRF 29-1 Update

T17S ROW 5-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Wolverine Exploration Rig"
Date: 7/28/2010 10:45 AM
Subject: PRF 29-1 Update

Status @ 0800hrs: Jarring on Stuck Pipe @ 3,715'

Chuck Emerson
Drilling Supervisor
Wolverine Gas & Oil Co.
Rig (970) 812-0022
Cell (970) 381-6233
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wolvexpl@drillmail.net

RECEIVED

JUL 28 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update T175 ROIW 5-29 43-039-3036

From: "Wolverine Exploration Rig"

To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
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Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler,
Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 7/30/2010 11:10 AM

Subject: Painted Rock Federal 29-1 Update

7/30/2010 11:05 AM

Hole depth 3,713'. Current operation: washing and reaming to bottom at 3,575' with new BHA

Bill Donovan

Drilling Supervisor

Wolverine Operating Company of Utah, LLC

Painted Rock Federal 29-1, AFE 183

Rig (970) 812-0022

Cell (720) 351-7470

Fax (435) 304-1222

wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update

T175 R01W S-29 43-039-30036

From: "Wolverine Exploration Rig"

To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" , "Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet, Dustin" , "Dustin Dunning" , "George Zamantakis " , "Hall, Denise" , "Hammell, Hank" , "Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones, Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell, David" , "Patten, Andrew" , "Rees, John M" , "Revert, Scott" , "Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" , "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis, Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 7/31/2010 7:52 AM

Subject: Painted Rock Federal 29-1 Update

7/31/2010 7:48 AM

Washing to bottom

Hole depth 3,714'

Estimated casing point 4,000'

Bill Donovan

Drilling Supervisor

Wolverine Operating Company of Utah, LLC

Painted Rock Federal 29-1, AFE 183

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DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update T 179 R 01W S 29 43-039-30036

From: "Wolverine Exploration Rig"

To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
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Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 8/2/2010 8:13 AM

Subject: Painted Rock Federal 29-1 Update

8/2/2010 8:06 AM

TIH, work pipe at 3,550'

Hole depth 3,714'

Estimated casing point 4,000'

Bill Donovan

Drilling Supervisor

Wolverine Operating Company of Utah, LLC

Painted Rock Federal 29-1, AFE 183

Rig (970) 812-0022

Cell (720) 351-7470

Fax (435) 304-1222

wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update ~~TT 175 RO1W-5-29 43-039-30036~~

From: "Wolverine Exploration Rig"

To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
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Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 8/3/2010 8:17 AM

Subject: Painted Rock Federal 29-1 Update

8/3/2010 8:13 AM

Hole depth 3,713'

Trip in hole at 3,610'

Bill Donovan

Drilling Supervisor

Wolverine Operating Company of Utah, LLC

Painted Rock Federal 29-1, AFE 183

Rig (970) 812-0022

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wolvexpl@drillmail.net

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
---	---

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: Painted Rock Federal 29-1
------------------------------------	--

2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	9. API NUMBER: 43039300360000
---	---

3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	PHONE NUMBER: 616 458-1150 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
--	--	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	COUNTY: SANPETE STATE: 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 type="checkbox"/> SUBSEQUENT REPORT 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"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/5/2010	<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 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.
 Please see attached file for drilling update report.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 August 05, 2010

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 8/5/2010	

Wolverine Gas and Oil Company of Utah, LLC
Painted Rock Federal 29-1
API #43039300360000
SESW, Section 29, T17S, R1W
Sanpete County, Utah

June-July 2010 - Drilling Update:

29 June 2010 – 2 July 2010

Depth 1611' GL (1633' DF), 20" csg shoe at 500' GL (522' DF). MIRURT w/ Patterson UTI rig 304 on Painted Rock Fed. 29-1. MW – NA, Vis. – NA, FL – NA. Surveys: none.

3 July 2010 - 8 July 2010

Depth 1611' GL (1633' DF), 20" csg shoe at 500' GL (522' DF). MIRURT w/ Patterson UTI rig 304 on Painted Rock Fed. 29-1. MW – NA, Vis. – NA, FL – NA. Surveys: none.

9 July 2010

Depth 1633' DF, 20" csg shoe at 522' DF. MIRURT, PU 17-1/2" bit & BHA. MW – 8.35, Vis. – 28, FL – not controlled. Surveys: none.

10 July 2010

Depth 1633' DF, 20" csg shoe at 522' DF. PU BHA, GIH to TD, attempt to circulate, not able to circulate liquid, only air, run gyro survey from 1580' to surface w/ 100 ft stops, mix & pump LCM pill, POOH, allow LCM pill to soak, GIH. MW – 8.35, Vis. – 28, FL – not controlled. Surveys: 0.1° @ 100', 0.14° @ 200', 0.15° @ 300', 0.4° @ 400', 0.54° @ 500', 0.84° @ 600', 0.85° @ 700', 1.26° @ 800', 1.55° @ 900', 1.94° @ 1000', 2.19° @ 1100', 2.5° @ 1200', 2.95° @ 1300', 3.9° @ 1400', 4.47° @ 1500' & 5.19° @ 1580'.

11 July 2010

Depth 1646' DF, 20" csg shoe at 522' DF. Inspect derrick, GIH, wash 1360' to 1636' using air and soap/foam, drill 1636'-1645', circulate, TOH, change BHA & bit, TIH, circulate, TIH. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

12 July 2010

Depth 1762' MD, 20" csg shoe at 522' DF. TIH, drill & survey, TOH. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 5.2° @ 1632', 5.3° @ 1666' & 5.4° @ 1693'.

13 July 2010

Depth 1820' MD, 20" csg shoe at 522' DF. TOH, pour concrete in cellar bottom, TOH, PU bit & BHA, TIH, wash & ream to bottom, drilling. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 5.8° @ 1731'.2

14 July 2010

Depth 1975' MD, 20" csg shoe at 522' DF. Drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 6.1° @ 1763', 6° @ 1795', 6.1° @ 1827', 6.1° @ 1857' & 6.1° @ 1890'.

15 July 2010

Depth 2118' MD, 20" csg shoe at 522' DF. Drill & survey w/ air/mist/foam. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 6.2° @ 1922', 6.1° @ 1953', 5.8° @ 1982', 6° @ 2018' & 6.1° @ 2048'.

16 July 2010

Depth 2235' MD, 20" csg shoe at 522' DF. Drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 6.1° @ 2080', 6.2° @ 2110' & 6.1° @ 2144'.

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17 July 2010

Depth 2248' MD, 20" csg shoe at 522' DF. Drill to 2240, trip for new bit, treat hole for lost circulation, TIH. MW – 8.35, Vis. – 28, FL – not controlled. Surveys: 6.2° @ 2173'.

18 July 2010

Depth 2248' MD, 20" csg shoe at 522' DF. POOH, GIH to 1330', fluid level at 850', pump LCM pill, wait on pill, pump LCM pill, wait on pill, POOH, PU BHA. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

19 July 2010

Depth 2322' MD, 20" csg shoe at 522' DF. TIH, wash & ream to bottom, drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 6° @ 2218', 5.8° @ 2247'.

20 July 2010

Depth 2550' MD, 20" csg shoe at 522' DF. Drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 6.2° @ 2283', 5.9° @ 2327', 6.2° @ 2374' & 6.1° @ 2424'.

21 July 2010

Depth 2691' MD, 20" csg shoe at 522' DF. Drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 5.8° @ 2472', 5.3° @ 2518' & 5° @ 2580'.

22 July 2010

Depth 2822' MD, 20" csg shoe at 522' DF. Drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 4.5° @ 2644' & 4.7° @ 2707'.

23 July 2010

Depth 2848' MD, 20" csg shoe at 522' DF. Drill, trip for new bit, ream back to bottom. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

24 July 2010

Depth 3052' MD, 20" csg shoe at 522' DF. Ream to bottom, drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 4.5° @ 2774', 4.1° @ 2869' & 3.9° @ 2931'.

25 July 2010

Depth 3203' MD, 20" csg shoe at 522' DF. Drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 4° @ 2993' & 3.6° @ 3027'.

26 July 2010

Depth 3426' MD, 20" csg shoe at 522' DF. Drill & survey. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 4° @ 3093', 3.4° @ 3153', 3.7° @ 3218' & 3.9° @ 3283'.

27 July 2010

Depth 3515' MD, 20" csg shoe at 522' DF. Drill & survey, trip for bit. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 3.6° @ 3344' & 3.6° @ 3407'.

28 July 2010

Depth 3714' MD, 20" csg shoe at 522' DF. TIH, drill & survey, stuck @ 3671', work stuck pipe. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: 3.2° @ 3470', 3.2° @ 3538', 3.2° @ 3569' & 3.2° @ 3600'.

29 July 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Work stuck pipe, rig repair, work pipe free, C&C. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

Carol Daniels - Painted Rock Federal 29-1 Update *TIH ROWS-29 43-039-30036*

From: "Wolverine Exploration Rig"

To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
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Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 8/4/2010 8:47 AM

Subject: Painted Rock Federal 29-1 Update

8/4/2010 8:43 AM

Hole depth 3,714'

TIH w/new BHA at 2,250'

Bill Donovan

Drilling Supervisor

Wolverine Operating Company of Utah, LLC

Painted Rock Federal 29-1, AFE 183

Rig (970) 812-0022

Cell (720) 351-7470

Fax (435) 304-1222

wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

CONFIDENTIAL**Carol Daniels - Painted Rock Federal 29-1 Update***T 195 ROILWS-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
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Date: 8/5/2010 7:56 AM
Subject: Painted Rock Federal 29-1 Update

8/5/2010 7:53 AM

Wash and ream to bottom at 3,580'

Hole depth 3,714'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
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30 July 2010

Depth 3714' MD, 20" csg shoe at 522' DF. C&C, TOH, rig repair, change BHA, TIH to 3000', unload hole & circulate. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

Carol Daniels - Painted Rock Federal 29-1

TIHS ROW 5-29 43-039-30036

From: "Wolverine Exploration Rig"
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Sawyer"
Date: 8/13/2010 8:21 AM
Subject: Painted Rock Federal 29-1

8/13/2010 8:14 AM

spotted 500' plug 3568-3068, POOH w/ open ended dp, TIH w/ slick cleanout assembly, drilled
cmt stringer 3514-24, W&R to 3568, POOH for caliper log

Forward plan:

run caliper log
spot plug 3
trip in and tag and dress plug
run 13 3/8" casing and cement

Tom Zupan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Fed 29-1 - AFE#183
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Cell (970) 314-8219
Fax (435) 304-1222
wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 *T175 R014 S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
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Sawyer" , , "Stewart, Rex"
Date: 8/18/2010 1:09 PM
Subject: Painted Rock Federal 29-1

8/18/2010 10:35 AM

Nippling up BOPE

Forward Plan

Finish Nipple up- Wed. pm (IPS)

BOP Test- Wed. night (IPS)

Trip in hole and drill out DV clean out to shoe, POO- Thur. am

Run CBL- Thur. pm (Halliburton)

Drill out and clean out open hole- Fri. am

Tom Zupan

Drilling Supervisor

Wolverine Operating Company of Utah, LLC

Painted Rock Fed 29-1 - AFE#183

Rig (970) 812-0022

Cell (970) 314-8219

Fax (435) 304-1222

wolvexpl@drillmail.net

CONFIDENTIAL

Carol Daniels - Painted Rock Federal 29-1 *T17S R01W S-29 43-039-30036*

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 "Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
 Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill" , "Don
 Sawyer" , , "Stewart, Rex"
Date: 8/19/2010 8:56 AM
Subject: Painted Rock Federal 29-1

8/19/2010 8:50 AM

Forward Plan

Finish Nipple up- Thur (IPS)
 BOP Test- Thur even (IPS)
 Trip in hole and drill out DV clean out to shoe, POOH- Fri noon
 Run CBL- Fri pm (Halliburton)
 Drill out and clean out open hole- Fri. am

Tom Zupan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Fed 29-1 - AFE#183
Rig (970) 812-0022
Cell (970) 314-8219
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 19 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T 175 R 01W S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
David" , "Patten, Andrew" , "Perry, Bud (Smith Bits)" , "Rees, John M" , "Revert, Scott" ,
"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/21/2010 9:26 AM
Subject: Painted Rock Federal 29-1 Update

8/21/2010 9:22 AM

Hole depth 3,714'

Running CBL

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 24 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 *T19S R01W S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
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"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/23/2010 8:40 AM
Subject: Painted Rock Federal 29-1

8/23/2010 8:36 AM

Drilling out at 3,471'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 24 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 *T175 R01W 5-89 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
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"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/24/2010 8:16 AM
Subject: Painted Rock Federal 29-1

8/24/2010 8:13 AM

Wash and ream at 3,517'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 24 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update

T195 Rolw 5-29 43-039-3036

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
David" , "Patten, Andrew" , "Perry, Bud (Smith Bits)" , "Rees, John M" , "Revert, Scott" ,
"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/24/2010 11:01 AM
Subject: Painted Rock Federal 29-1 Update

8/24/2010 10:57 AM

W&R at 3,542'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

Carol Daniels - Painted Rock Federal 29-1 update

T17S R01W S-29 43-039-30036

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
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"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/25/2010 8:44 AM
Subject: Painted Rock Federal 29-1 update

8/25/2010 8:40 AM

Wash and ream at 3,620'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 25 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T175 ROLWS-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
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"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/26/2010 8:20 AM
Subject: Painted Rock Federal 29-1 Update

8/26/2010 8:18 AM

Mixing mud at 2,000'

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

Carol Daniels - Painted Rock Federal 29-1 update *TIPS ROW 5-29 43-039-3007*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksy, Brian" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
David" , "Patten, Andrew" , "Perry, Bud (Smith Bits)" , "Rees, John M" , "Revert, Scott" ,
"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/28/2010 10:05 AM
Subject: Painted Rock Federal 29-1 update

8/28/2010 10:02 AM

Trip out of hole

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 30 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T 175 R01W S-29 43-039-0086*

From: "Wolverine Exploration Rig"

To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
David" , "Patten, Andrew" , "Perry, Bud (Smith Bits)" , "Rees, John M" , "Revert, Scott" ,
"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"

Date: 8/29/2010 3:59 PM

Subject: Painted Rock Federal 29-1 Update

8/29/2010 3:55 PM

TIH open ended to set cement plug

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 30 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *TMS ROW S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksy, Brian" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
David" , "Patten, Andrew" , "Perry, Bud (Smith Bits)" , "Rees, John M" , "Revert, Scott" ,
"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/30/2010 10:47 AM
Subject: Painted Rock Federal 29-1 Update

8/30/2010 10:43 AM

Pump cement plug at casing shoe

Vendors with equipment on location please call me.

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 30 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T17S R01W S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
Mark" , "Kulow, Kyle" , "Larimore, Mark" , "Lewis, John" , "McCoy, Tim" , "O'Connell,
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"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 8/30/2010 6:31 PM
Subject: Painted Rock Federal 29-1 Update

8/30/2010 6:26 PM

This well will be temporarily abandoned. Preparations should be made for a rig move.

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

AUG 31 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T 175 R 01 W 5-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
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"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
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"Ron Bond" , "Ryan Thomas" , "Shaun Burns" , "Shawn Moulton" , "Shelton, Shorty" ,
"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 9/1/2010 6:21 AM
Subject: Painted Rock Federal 29-1 Update

9/1/2010 6:18 AM

Setting temporary abandonment plug prior to moving to new location

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

RECEIVED

SEP 01 2010

DIV. OF OIL, GAS & MINING

Carol Daniels - Painted Rock Federal 29-1 Update *T173 Rolw S-29 43-039-30036*

From: "Wolverine Exploration Rig"
To: "Ainge, Jeff" , "Allen, Geoff" , "Arthurs, Shane" , "Bilby, Curt" , "Blair, Richard" ,
"Chamberlain, Don" , "Daniels, Carol" , "De la Torre, Juan C" , "Dieste, Bobby" , "Doucet,
Dustin" , "Dustin Dunning" , "George Zamantakis" , "Hall, Denise" , "Hammell, Hank" ,
"Hendricks, Marvin" , "Hutcinson, Clayton" , "Janksky, Brian" , "Jim Barry" , "Jones,
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"Smuin, Troy" , "Sulzen, Joel" , "Tujillo, Chris" , "Vance Barber" , "Weimer, Jeff" , "Willis,
Walton" , "Winkler, Matt" , "Wright, Brian" , "Zaccardi, Zeke" , "Zimmerman, Bill"
Date: 9/2/2010 5:06 AM
Subject: Painted Rock Federal 29-1 Update

9/2/2010 5:03 AM

Started rigging down and getting ready to move.

Bill Donovan
Drilling Supervisor
Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1, AFE 183
Rig (970) 812-0022
Cell (720) 351-7470
Fax (435) 304-1222
wolvexpl@drillmail.net

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
---	---

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: Painted Rock Federal 29-1
------------------------------------	--

2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	9. API NUMBER: 43039300360000
---	---

3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	PHONE NUMBER: 616 458-1150 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
--	--	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	COUNTY: SANPETE STATE: 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 type="checkbox"/> SUBSEQUENT REPORT 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"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/14/2010	<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 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.

Current well operations: temporarily plugged until new drilling plan and rig can be finalized.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 September 15, 2010

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 9/14/2010	

14 September 2010

Mr. Marvin Hendricks
Petroleum Engineer
Bureau of Land Management
Price Field Office
Price, Utah

Subject: Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29-T17S-R1W
Sanpete County, Utah.

Dear Mr. Hendricks:

The following are the operations reports for 17 day period 29 August 2010 through 14 September 2010. The report dates shown are the ending date and the reported operations cover the period from 06:00 hrs the previous day to 06:00 hrs of the indicated report date.

29 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. POOH, clean BHA, GIH w/ packer, test csg from 2769 to 2000 psi/30 min, OK, GIH, test csg from 3452 to surface to 2000 psi/30 min, OK, POOH. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

30 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. POOH, LD BHA, pump away reserve pit water, GIH to 3045, pump away reserve pit water, GIH to 3466, RU Halliburton. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

31 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. RU Halliburton, pump 100 sx Neat cement plug at csg shoe, POOH, WOC, GIH w/ bit, tag bottom at 3474. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

1 September 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. POOH, pump 489 bbl, no returns, POOH, GIH open ended, pump 100 sx Neat cement plug at csg shoe, POOH, WOC. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

2 September 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. WOC, GIH to 3471, tag bottom, pump 500 bbl water, no returns, POOH, wait on permission from BLM to temporarily abandon, POOH, LDDP & SWDP, flush lines, clean mud tanks. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

3 September 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Clean mud tanks, ND BOP's, remove floor, wear bushing, rotating head, release rig 1800 hrs, 9/2/10, NDMORT. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

4 September 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. NDMORT. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

5 September 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. NDMORT. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

6 – 14 September 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. NDMORT, temporarily drop from reports, will resume reports when operations resume. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

Sincerely:

A handwritten signature in black ink that reads "John C. Magill". The signature is written in a cursive, flowing style.

John C. Magill, P.E.
Drilling Engineering and Operations Consultant
Wolverine Operating Company of Utah, LLC

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 081346
---	---

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: Painted Rock Federal 29-1
------------------------------------	--

2. NAME OF OPERATOR: WOLVERINE OPERATING COMPANY OF UTAH, LLC	9. API NUMBER: 43039300360000
---	---

3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503	PHONE NUMBER: 616 458-1150 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
--	--	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0471 FSL 2706 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 29 Township: 17.0S Range: 01.0W Meridian: S	COUNTY: SANPETE STATE: 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 type="checkbox"/> SUBSEQUENT REPORT 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"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2010	<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 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.
 please see attached report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 15, 2010

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 9/14/2010	

Wolverine Operating Company of Utah, LLC
Painted Rock Federal 29-1
SE¼ SW¼ Sec 29-T17S-R1W
Sanpete County, Utah

July 2010 Drilling Summary

31 July 2010

Depth 3714' MD, 20" csg shoe at 522' DF. TIH, unload hole, ream hole, short trip, unload hole, ream hole. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

1 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

2 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole, TOH, check BHA, TIH, wash & ream. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

3 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

4 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole, TOH, change BHA, TIH. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

5 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. TIH, ream tight hole. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

6 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

7 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

8 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

9 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Ream tight hole, short trip, ream tight hole, TOH, LD BHA, GIH open ended. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

10 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. GIH open ended to 3630, RU Halliburton, mix & pump 500 sx cement plug mixed @ 15.8 ppg, flush w/ water, POOH. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

11 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. POOH, PU bit & BHA, TIH, wash to 3577, no sign of cement. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

12 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Wash to 3646, ream tight hole, POOH, GIH open ended, wait on Halliburton. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

13 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Wait on Halliburton, RU Halliburton, position drill pipe, end of DP at 3568, mix & pump 700 sx cement plug mixed @ 15.8 ppg, flush w/ water, POOH, make up bit & BHA, GIH, wash to 3568, circulate sweep, POOH. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

14 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. POOH, wait on Halliburton logging truck, run 6 arm caliper log to 3474, GIH open ended to 3567, rig up Halliburton. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.2

15 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. Mix & pump 700 sx cement plug mixed @ 15.8 ppg, flush w/ water, POOH, PU bit & BHA, GIH, wash to 3510, pump high vis sweep, spot high vis pill. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

16 August 2010

Depth 3714' MD, 20" csg shoe at 522' DF. POOH to 3000', unload hole, POOH, wait on Frank's Casing crew, safety mtg, run 13-3/8 csg. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

17 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Ran 13-3/8 68# BTC, 2 jts J-55 & 92 jts P-110 casing, landed at 3472', float collar at 3435', stage tool/external casing packer at 2735', fill casing, 1. cement w/450 sx Howco tuned light mixed at 10 ppg, yield 2.4 cf/sk, tail w/ 320 sx Halcem mixed at 15.8 ppg, yield 1.6 cf/sk, open stage collar, 2. cement w/ 700 sx Howco tuned light mixed at 10 ppg, yield 2.4 cf/sk, tail w/ 165 sx Halcem mixed at 15.8 ppg, yield 1/6 cf/sk, close stage collar, rig down cementers, run 1" grout string, top out w/ 3. 5 yd pea gravel, 10 sx sawdust, 50 sx Howco neat cement mixed at 15.8 ppg, yield 1.18 cf/sk 4. 5 yd pea gravel, 10 sx sawdust, 50 sx Howco neat cement mixed at 15.8 ppg, yield 1.18 cf/sk 5. 5 yd pea gravel, 10 sx sawdust, 50 sx Howco neat cement mixed at 15.8 ppg, yield 1.18 cf/sk MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

18 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Finish top out w/ 1. 5 yd pea gravel, 10 sx sawdust, 50 sx Howco neat cement mixed at 15.8 ppg, yield 1.18 cf/sk

2. 5 yd pea gravel, 10 sx sawdust, 50 sx Howco neat cement mixed at 15.8 ppg, yield 1.18 cf/sk
3. 5 yd pea gravel, 10 sx sawdust, 50 sx Howco neat cement mixed at 15.8 ppg, yield 1.18 cf/sk
4. 2 yd pea gravel

hole stood full, wash out pea gravel till top of pea gravel at 8 ft below ground level, RD cementers, pump out cellar, remove rotating head & riser, wait on wellhead tech, set slips w/ 75,000 lb, cut 20" and 13-3/8 casing, NU B section spool, test seals, OK. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.2

19 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. NU 13-5/8 BOP's. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

20 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. NU flow lines, install 5" ram blocks, rig up floor. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

21 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Finish RU floor & make repairs, test BOP stack, make up 12-1/4 bit & BHA, GIH, tag cmt at 2716, drill to 2731, drop through, GIH tag cmt at 3426', C&C. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

22 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. TOH, run CBL log w/ Halliburton, pressure test casing to 1500 psi, OK, PU tools, TIH, drill cement, float collar & float shoe. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

23 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Finish drill float collar & shoe, drop through, lost circulation, work on lost circulation. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

24 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Work on lost circulation, wash to 3510'. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

25 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Wash to 3620', lost mud, pull into csg shoe, work on lost circulation. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

26 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Build mud volume, GIH, tag fill at 3606', pull up, build volume, lost circ, build mud volume, POOH to 1000', RU sawdust blower, mix 20% sawdust mud, attempt to circulate, establish circ at 1000', condition mud. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

27 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Condition mud, GIH to 2000', establish circulation, GIH to 3000', establish flow, GIH to 3548', could not circulate, POOH to casing shoe, build mud volume, increase sawdust to 25% concentration, POOH to 3000', build mud volume. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

28 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. Build mud volume, establish circulation but only water coming back, mud is being lost in hole, POOH to 2000', unload hole, still making water, GIH, tag btm at 3513', POOH to 3000', circulate mud in, get water back, GIH, tag at 3487'. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

29 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. POOH, clean BHA, GIH w/ packer, test csg from 2769 to 2000 psi/30 min, OK, GIH, test csg from 3452 to surface to 2000 psi/30 min, OK, POOH. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

30 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. POOH, LD BHA, pump away reserve pit water, GIH to 3045, pump away reserve pit water, GIH to 3466, RU Halliburton. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

31 August 2010

Depth 3714' MD, 13-3/8" csg shoe at 3472' DF. RU Halliburton, pump 100 sx Neat cement plug at csg shoe, POOH, WOC, GIH w/ bit, tag bottom at 3474. MW – 8.4, Vis. – 28, FL – not controlled. Surveys: none.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU - 081346
2. Name of Operator Wolverine Operating Company of Utah, LLC		6. If Indian, Allottee or Tribe Name N/A
3a. Address 55 Campau NW, Grand Rapids, MI 49503	3b. Phone No. (include area code) 616-458-1150	7. If Unit or CA/Agreement, Name and/or No. N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) At surface: 2556' FEL, 551' FSL, Sec 29, T17S, R1W, SWSE		8. Well Name and No. Painted Rock Federal 29-1
		9. API Well No. 43039300360000
		10. Field and Pool, or Exploratory Area Exploratory
		11. County or Parish, State Sanpete County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Painted Rock 29-1 abandonment

After repeated attempts to stabilize the well bore at the Painted Rock Federal 29-1, Wolverine Operating Company of Utah, LLC made the decision to cease drilling operations and move the rig off the hole. Verbal approval was obtained from Marvin Hendricks, BLM, to leave the well bore in its current condition, pending an evaluation by Wolverine. After further evaluation, Wolverine has decided to abandon the wellbore and drill a new well (the APD has been submitted for the Painted Rock Federal 29-1A). The 29-1 wellbore, however, will be abandoned in such a manner that the wellbore could be re-entered in the future should a discovery be made. Wolverine has discussed its plans with the BLM, and we propose the following action for this well:

- 1) Set CIBP at 3100' in 13-3/8" casing. Dump bail 50 feet of cement on top of the CIBP.
- 2) Load hole with treated water to preserve casing.
- 3) Set CIBP at 10' in 13-3/8" casing. Set 10' cement plug on top.
- 4) Cut off head (minimum 4' below grade) and weld cover over well. Cover will have name plate on it. Backfill area.

COPY SENT TO OPERATOR

Date: 11-18-2010

Initials: KS

RECEIVED
OCT 19 2010
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Edward A. Higuera	Title Manager - Development
Signature 	Date 10/12/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office _____		

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

(Instructions on page 2)

Date: 11/10/10
By:

Federal Approval Of This
Action Is Necessary

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU 081346

6. If Indian, Allottee or Tribe Name
N/A

7. Unit or CA Agreement Name and No.
N/A

8. Lease Name and Well No.
Painted Rock Federal 29-1 ✓

9. AFI Well No.
43039300360000

10. Field and Pool, or Exploratory
Exploratory

11. Sec., T., R., M., on Block and Survey or Area
Sec 15, T21S, R2W, SLB&M

12. County or Parish
Sanpete

13. State
UT

14. Date Spudded
11/19/2009

15. Date T.D. Reached
08/30/2010

16. Date Completed
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5,813' DF

18. Total Depth: MD **3714'**
TVD **3700'**

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Mud Log, CBL, Directional Survey

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
38"	30"		surface	27'		96 sks Port	20	surface	
28"	20"	0.375"	surface	522'		687 sks Port	144	surface	
17.5"	13-3/8	68#	surface	3472'	743'	1635 sks G	675	surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
N/A								

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Indianola	surface	3741'	N/A			
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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	
			→						

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

RECEIVED
JUL 23 2012

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 (Sold, used for fuel, vented, etc.)

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
Indianola	0	3714'	Conglomerate		

32. Additional remarks (include plugging procedure):

RECEIVED
JUL 23 2012
 DIV. OF OIL, GAS & MINING

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) Matthew Rivers
 Signature 

Title Production Engineer
 Date 07/18/2012

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.



Oil Company **Wolverine Operating Company**
 Well **Painted Rock Federal 29-1**
 Date **28 Jul 10**
 Time **5:58**

Surface Coordinates
 Reference Slot
 Latitude **39.2947278°**
 Longitude **-111.9471994°**

Section **17 1/2"**
 TVD datum
 Vertical section **90.00 deg**
 V sect datum **0 E 0 N**

True/Grid **TRUE**
 Decl **12.01**
 Conv

Survey No	Survey Depth	Inc	Azi	depth inc	dls	high side	TVD	north	east	vertical section
	ft	deg	deg	ft	deg/100ft	deg	ft	ft	ft	ft
Tie in	1580.0	5.19	330.8				1578.9	40.9	-17.1	-17.1
1	1632.0	5.20	332.4	52.0	0.3	87	1630.7	45.0	-19.3	-19.3
2	1666.0	5.30	334.4	34.0	0.6	62	1664.5	47.8	-20.7	-20.7
3	1693.0	5.40	333.6	27.0	0.5	-37	1691.4	50.1	-21.8	-21.8
4	1731.0	5.80	334.1	38.0	1.1	7	1729.2	53.4	-23.4	-23.4
5	1763.0	6.10	334.4	32.0	0.9	6	1761.1	56.4	-24.9	-24.9
6	1795.0	6.00	334.7	32.0	0.3	163	1792.9	59.4	-26.3	-26.3
7	1827.0	6.10	334.6	32.0	0.3	-6	1824.7	62.5	-27.8	-27.8
8	1857.0	6.10	336.4	30.0	0.6	89	1854.5	65.4	-29.1	-29.1
9	1890.0	6.10	336.1	33.0	0.1	-90	1887.3	68.6	-30.5	-30.5
10	1922.0	6.20	336.9	32.0	0.4	41	1919.2	71.7	-31.9	-31.9
11	1953.0	6.10	338.5	31.0	0.6	121	1950.0	74.8	-33.1	-33.1
12	1982.0	5.80	340.3	29.0	1.2	149	1978.8	77.6	-34.2	-34.2
13	2018.0	6.00	340.8	36.0	0.6	15	2014.6	81.1	-35.4	-35.4
14	2048.0	6.10	342.0	30.0	0.5	52	2044.5	84.1	-36.4	-36.4
15	2080.0	6.10	341.1	32.0	0.3	-90	2076.3	87.3	-37.5	-37.5
16	2110.0	6.20	341.9	30.0	0.4	41	2106.1	90.4	-38.5	-38.5
17	2144.0	6.10	343.4	34.0	0.6	123	2139.9	93.8	-39.6	-39.6
18	2173.0	6.20	341.7	29.0	0.7	-62	2168.8	96.8	-40.5	-40.5
19	2218.0	6.00	342.6	45.0	0.5	155	2213.5	101.4	-42.0	-42.0
20	2247.0	5.80	350.4	29.0	2.8	108	2242.3	104.3	-42.7	-42.7
21	2283.0	6.20	349.7	36.0	1.1	-11	2278.2	108.0	-43.4	-43.4
22	2327.0	5.90	353.7	44.0	1.2	127	2321.9	112.5	-44.0	-44.0
23	2374.0	6.20	354.2	47.0	0.6	10	2368.6	117.5	-44.6	-44.6
24	2424.0	6.10	352.9	50.0	0.3	-126	2418.4	122.8	-45.2	-45.2
25	2472.0	5.80	353.3	48.0	0.6	172	2466.1	127.7	-45.8	-45.8
26	2518.0	5.30	1.5	46.0	2.0	126	2511.9	132.2	-46.0	-46.0
27	2580.0	5.00	1.9	62.0	0.5	173	2573.6	137.7	-45.8	-45.8
28	2644.0	4.50	0.0	64.0	0.8	-163	2637.4	143.0	-45.7	-45.7
29	2707.0	4.70	354.2	63.0	0.8	-70	2700.2	148.1	-46.0	-46.0
30	2774.0	4.50	356.2	67.0	0.4	142	2767.0	153.4	-46.4	-46.4
31	2869.0	4.10	0.2	95.0	0.5	145	2861.7	160.5	-46.7	-46.7
32	2931.0	3.90	3.6	62.0	0.5	132	2923.6	164.9	-46.5	-46.5
33	2993.0	4.00	10.3	62.0	0.8	81	2985.4	169.1	-46.0	-46.0
34	3027.0	3.60	10.1	34.0	1.2	-178	3019.4	171.3	-45.6	-45.6
35	3093.0	4.00	11.6	66.0	0.6	15	3085.2	175.6	-44.8	-44.8
36	3153.0	3.4	15.4	60.0	1.1	160	3145.1	179.4	-43.9	-43.9
37	3218.0	3.70	26.4	65.0	1.1	72	3210.0	183.1	-42.4	-42.4
38	3283.0	3.90	28.7	65.0	0.4	38	3274.8	186.9	-40.4	-40.4
39	3344.0	3.60	28.5	61.0	0.5	-178	3335.7	190.4	-38.5	-38.5
40	3407.0	3.60	24.0	63.0	0.4	-88	3398.6	194.0	-36.8	-36.8
41	3470.0	3.20	15.0	63.0	1.1	-131	3461.5	197.5	-35.5	-35.5
42	3538.0	3.20	338.2	68.0	3.0	-72	3529.4	201.1	-35.7	-35.7
43	3569.0	3.20	348.8	31.0	1.9	85	3560.3	202.7	-36.2	-36.2
44	3600.0	3.20	350.3	31.0	0.3	89	3591.3	204.4	-36.5	-36.5
45								3	1	
46								207	-38	
47										
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49										
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JUL 23 2012

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **Wolverine Operating Company of Utah, LLC**

3a. Address
55 Campau NW, Grand Rapids, MI 49503

3b. Phone No. (include area code)
616-458-1150

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

At surface: 2706' FEL, 471' FSL, Sec 29, T17S, R1W, SWSE

5. Lease Serial No.
UTU-081346

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Painted Rock Federal 29-1

9. API Well No.
43039300360000

10. Field and Pool, or Exploratory Area
Exploratory

11. County or Parish, State
Sanpete County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Painted Rock Federal 29-1 well was permanently plugged and abandoned on November 3, 2010 after reaching a TD of 3714'. The following procedures were followed after loading hole with 10 ppg mud:

1. Plug #1: CIBP was set at 3090' in 13 3/8" casing
2. Dump bailed 50' plug on top from 3090' to 3040' with 15.8 ppg neat cement
3. Plug #2: CIBP was set at 572' in 13 3/8" casing
4. Dump bailed 100' plug on top from 572' to 472' (across the 20" shoe) with 15.8 ppg neat cement
5. Set surface plug at 50' below ground level back to bottom of cellar with 15.8 ppg neat cement
6. Cut off head and weld cover with name plate over well.
7. Backfill area

(Note: Initial sundry submitted covered the temporary abandonment of the well, as we evaluated our options. It was decided to permanently abandon this well bore, by setting final surface plug and capping wellhead, as summarized in this sundry.)

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JUL 23 2012

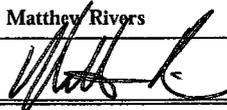
14. I hereby certify that the foregoing is true and correct
 Name (Printed/Typed)

Matthew Rivers

Title **Production Engineer**

DIV. OF OIL, GAS & MINING

Signature



Date

07/18/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

Title

Date

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

Office

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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Painted Rock Federal 29-1

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11. County or Parish, State
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	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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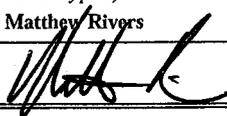
RECEIVED

AUG 27 2012

DIV. OF OIL, GAS & MINING

RECEIVED

14. I hereby certify that the foregoing is true and correct
 Name (Printed/Typed) **Matthey Rivers** Title **Production Engineer**

Signature  Date **07/18/2012**

JUL 23 2012

Richfield BLM Field Office

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on page 2)

Sundry # 125400285

Accepted For Record Purposes

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU 081346

6. If Indian, Allottee or Tribe Name
N/A

7. Unit or CA Agreement Name and No.
N/A

8. Lease Name and Well No.
Painted Rock Federal 29-1

9. AFI Well No.
43039300360000

10. Field and Pool, or Exploratory
Exploratory

11. Sec., T., R., M., on Block and Survey or Area
Sec 15, T21S, R2W, S1B&M

12. County or Parish
Sanpete

13. State
UT

14. Date Spudded
11/19/2009

15. Date T.D. Reached
08/30/2010

16. Date Completed
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5,813' DF

18. Total Depth: MD **3714'**
TVD **3709'**

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Mud Log, CBL, Directional Survey

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
38"	30"		surface	27'		96 sks Port	20	surface	
28"	20"	0.375"	surface	522'		687 sks Port	144	surface	
17.5"	13-3/8	68#	surface	3472'	743'	1635 sks G	675	surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
N/A								

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Indianola	surface	3741'	N/A			
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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	
			→						

*(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 (Sold, used for fuel, vented, etc.)

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
Indianola	0	3714'	Conglomerate		

32. Additional remarks (include plugging procedure):

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) Matthew Rivers
 Signature 

Title Production Engineer
 Date 07/18/2012

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.

