

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 Covenant SWD 2				
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 UNDESIGNATED				
4. TYPE OF WELL Water Disposal Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME WOLVERINE				
6. NAME OF OPERATOR WOLVERINE GAS & OIL COMPANY OF UTAH, LLC						7. OPERATOR PHONE 435 896-1943				
8. ADDRESS OF OPERATOR 1140 N. Centennial Park Dr., Richfield, UT, 84701						9. OPERATOR E-MAIL ciron@wolvgas.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Patented			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Wolverine Gas and Oil Corporation						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-896-1943				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 5 West Constitution Way, Suite 1140, ,						16. SURFACE OWNER E-MAIL (if box 12 = 'fee') ciron@wolvgas.com				
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 type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		951 FSL 32 FEL		SESE	7	23.0 S	1.0 W	S		
Top of Uppermost Producing Zone		200 FSL 649 FEL		SESE	7	23.0 S	1.0 W	S		
At Total Depth		200 FSL 649 FEL		SESE	7	23.0 S	1.0 W	S		
21. COUNTY SEVIER			22. DISTANCE TO NEAREST LEASE LINE (Feet) 671			23. NUMBER OF ACRES IN DRILLING UNIT 40				
27. ELEVATION - GROUND LEVEL 5596			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1182			26. PROPOSED DEPTH MD: 10191 TVD: 10118				
28. BOND NUMBER B001849R			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Town of Sigurd							
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	14.75	10.75	0 - 2000	40.5	J-55 ST&C	8.6	Light (Hibond)	125	3.39	10.0
							Premium Plus	120	1.19	15.6
Prod	9.875	7.625	0 - 6500	39.0	L-80 LT&C	10.2	Light (Hibond)	1600	1.26	14.4
			6500 - 8500	39.0	P-110 LT&C		Light (Hibond)	0	1.26	14.4
			8500 - 9150	39.0	L-80 LT&C		Light (Hibond)	0	1.26	14.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE 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 checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input checked="" type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Charles Irons				TITLE Senior Landman			PHONE 435 896-1943			
SIGNATURE				DATE 11/23/2011			EMAIL ciron@wolvgas.com			
API NUMBER ASSIGNED 43041500080000				APPROVAL  Permit Manager						

WOLVERINE GAS AND OIL COMPANY OF UTAH, LLC

DRILLING PLAN

Covenant SWD #2

SHL: SE/4, SE/4 Section 7, Township 23 South, Range 1 West, S.L.B & M.
BHL: SE/4, SE/4 Section 7, Township 23 South, Range 1 West, S.L.B & M.
Sevier County, Utah

Plan Summary:

Wolverine Gas and Oil Company of Utah, LLC plans to drill this confidential disposal well as a directional bore hole due to surface topography constraints and in accordance with the enclosed directional drilling plan. The well will be drilled to a measured depth of 10191' MD (~ 10118' TVD) to encounter the Twin Creek and Navajo formations. Well path deviation caused by subsurface geologic irregularities is expected to be the primary drilling concern in this area. No abnormal pressure is anticipated.

The planned location is as follows:

Surface Location:	951' FSL, 32' FEL, Section 7, T23S, R1W, S.L.B. & M.
Bottom Hole Location @ total depth	200' FSL, 649' FEL, Section 7, T23S, R1W, S.L.B. & M.

Conductor casing will be set at approximately 120 feet GL and cemented to surface. A 14.75" hole will be drilled to approximately 2000' where 10-3/4" casing will be set and cemented to surface. A 9-7/8" hole will be drilled to a projected depth 9150' MD where, after logging, 7-5/8" casing will be set and cemented to 500 feet inside surface casing. A 6-1/2" hole will be drilled to a projected total depth of 10191' and logged in the Navajo where the well will be completed open hole. The well will be drilled vertically to a 1000' kick-off point, build angle at 1.5 deg/100' to a maximum angle of 8.5 degrees. At ~8330' MD, the wellbore angle will drop to vertical as the well approaches the Twin Creek and Navajo formations.

Drilling activities will commence as soon as possible.

Wolverine Gas and Oil Company of Utah, LLC
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Well Name: Covenant SWD #2

Surface Location: 951' FSL, 32' FEL
 SE/4, SE/4 Section 7, T23S, R1W, S.L.B. & M.
 Sevier County, Utah

TD Bottom-Hole Location: 200' FSL, 649' FEL
 SE/4, SW/4 Sec. 7 T23S, R1W, Sevier County, UT

Elevations (est): 5596' GL, 5618' KB

I. Geology:

Tops of important geologic markers and anticipated water, oil, gas, and mineral content are as follows:

<u>Formation</u>	<u>TVD (KB)</u>	<u>MD (KB)</u>	<u>Contents</u>	<u>Pressure Gradient</u>
Arapien	23'	23'		
Twin Creek	8359'	8431'	Water	0.44 psi/ft
Navajo	8769'	8841'	Water	0.44 psi/ft
Total Depth	10118'	10191'		

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.):

<u>BOPE Item</u>	<u>Flange Size and Rating</u>
Annular Preventer	11" 2.5M
Double Rams (5" Pipe - top, Blind - bottom)	11" 5M
Drilling Spool w/ 2 side outlets (4" Choke Line, 4" Kill Line)	11" 5M x 11" 5M
Single Ram (Pipe)	11" 5M
DSA	
Casing Head (10-3/4" SOW w/ two 2-1/16" SSO's)	11" 5M

Auxiliary Equipment (5M Min.):

<u>BOPE Item</u>
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

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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 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>
30"	20"		Conductor			120' GL
14.75"	10.75"	40.5	J-55	STC	11.75"	0' – 2000' DF
9-7/8"	7.625"	39	L-80	LTC	8.5"	6500'- surf' DF
9-7/8"	7.625"	39	P-110	LTC	8.5"	8500' – 6500' DF
9-7/8"	7.625"	39	L-80	LTC	8.5"	9150' – 8500' DF

Casing String Design

1. 20 inch conductor set at 120' G.L.

The 20" casing is used to allow drilling fluid to be diverted into the hole or into the tanks as needed. No design is conducted on the pipe.

2. 10-3/4 inch casing – set at 2000' DF.

Burst: Worst case burst load occurs if the well experiences an influx of gas from 9078 feet TVD. Assume the gas influx displaces 50% of the liquid column and the remaining column is filled with 10.2 ppg salt mud. In that case, assuming a fresh water pore pressure gradient to 9078 ft and a gas gradient equal to 0.1 psi/ft, maximum burst differential pressure would occur at the surface: $P = 0.433 \times 9078 - 0.052 \times 0.5 \times 10.2 - 0.1 \times 0.5 \times 9078 = 1070$ psi. The selected casing, 10.75" 40.5#/ft J-55 STC has burst strength of 3130 psi. The burst design factor is: $DF_b = \frac{3130}{1070} = 2.93; > 1.1$, therefore OK.

Collapse: Worst case collapse load occurs if the casing is fully evacuated. Collapse pressure attributed to fresh water pore pressure gradient is: $P = 0.433 \times 2000 = 866$ psi. The selected casing has collapse strength of 1580 psi. The collapse design factor is: $DF_c = \frac{1580}{866} = 1.82 > 1.125$, therefore OK.

Tension: String weight in air is: $T = 40.5 \times 2000 = 81,000$ lb. Joint strength is 420 kips. Tube strength is 629 kips. The tension design factor in air is: $DF_t = \frac{420000}{81000} = 5.19 > 1.8$, therefore OK.

3. 7-5/8 inch casing set at 9150' MD D.F. (9078' TVD)

Burst: Worst case burst load occurs if the well experiences an influx of gas from 10118' TVD. Assume the influx displaces 50% of the liquid column and the remaining column is 8.8 ppg mud. In that case, assuming a fresh water pore pressure gradient to 10118' TVD ft and a gas gradient equal to 0.1 psi/ft, maximum burst differential pressure would occur at the surface: $P = 0.433 \times 10118 - 0.052 \times 0.1 \times 8.8 \times 0.5 \times 10118 - 0.1 \times 0.5 \times 10118 = 1560$ psi. The selected casing, 7-5/8", 39#/ft L-80 LTC has burst strength of 9180 psi. The burst design factor is: $DF_b = \frac{9180}{1560} = 5.88 > 1.1$, therefore OK.. This casing would pass even if the casing was fully displaced by gas.

Collapse, fluid considerations: Worst case collapse load occurs if the casing is evacuated. Collapse pressure attributed to fresh water pore pressure gradient is: $P = 0.433 \times 9078 = 3931$ psi. The selected casing has collapse strength of 8820 psi. The collapse design factor is: $DF_c = \frac{8820}{3931} = 2.24 > 1.125$, therefore OK.

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Collapse, salt considerations: The Arapien formation contains salt stringers throughout. The salt stringers, due to creep, can apply unusually high collapse loads to the casing. Wolverine standard design for this area is to design for 1 psi/ft of depth external pressure across the salt sections and with a minimum design factor of 1.00. The maximum salt load would be at the base of the Arapien at ~ 8359' TVD.

- a. Maximum potential salt induced pressure applied to the 39# L-80 occurs at 6500 ft: $P = 6500 \times 1 = 6500$ psi (assumes pumped-off condition so no fluid back up inside casing). 7-5/8" 39# L-80 has collapse strength of 8820 psi. The collapse design factor across from salts in the L-80 casing is: $DF_c = \frac{8820}{6500} = 1.36 > 1.000$, therefore OK.
- b. Maximum potential salt induced pressure applied to 39# P-110 occurs at base of Arapien at ~ 8359' TVD: $P = 8359 \times 1 = 8359$ psi (assumes pumped-off condition so no fluid back up inside casing). 7-5/8" 39# P-110 has collapse strength of 11,060 psi. The collapse design factor across from salts in the P-110 casing is: $DF_c = \frac{11060}{8359} = 1.32 > 1.000$, therefore OK.

Tension: String weight in air is: $T = 39 \times 9150 = 356,900$ lb. Joint strength is 786 kips. Tube strength is 895 kips. The tension design factor in air is: $DF_t = \frac{786000}{356900} = 2.20 > 1.8$, therefore OK.

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.

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B. Cementing Program

<u>Casing Size</u>	<u>Cement Slurry</u>	<u>Quantity (sks)</u>	<u>Density (ppg)</u>	<u>Yield (ft³/sk)</u>
10.75"	Lead: Lite System	125	10.0	3.39
	Tail: Premium Plus	120	15.6	1.19
7.625"	Lead: Light Standard	1600	14.4	1.26

10-3/4" Surface Casing:

10-3/4" casing will be cemented from setting depth (2000' MD DF) to surface with two stages using the following mix. 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. Cement volumes are based on 50% excess in the openhole, 1500 feet of 10 ppg lead cement from surface to 1500 feet and 500 feet of 15.6 ppg tail cement from 1500 to 2000 feet.

Cement: Lead: 125 sacks Light System, 10 ppg, 3.39 cf/sx Yield

Tail: 120 sacks Premium, 15.6 ppg, 1.19 cf/sx Yield

7-5/8" Production Casing:

7-5/8" casing will be cemented from setting depth (9150 MD) to surface in a single stage using the following mix. Hardware will include a guide shoe, two shoe joints, float collar, top plug, and a minimum of one centralizer per joint on the bottom three (3) casing joints. Water or other pre-flush fluid pumped ahead of the slurry will separate cement from the drilling fluids. Cement volumes are based on 25% excess in the openhole, 9150 feet of 14.4 ppg cement from 1500 to 9150 feet (500' inside 10-3/4" casing).

Cement: 1600 sacks Light Standard, 14.4 ppg, 1.26 cf/sx Yield

Notes:

- Final casing cement volumes will be adjusted when open-hole caliper logs obtained.
- Expected static BHT at 10191' MD (10118' TVD) is ~ 225 deg. F.
- Final cement slurry mix could be adjusted based vendor recommendation or vendor actually used for job. Cementing company has not been selected yet for this well.
- The BLM will be notified at least twenty-four hours prior to running and cementing the surface and production casing strings.
- 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 2000 psi, but not exceeding 80% of burst, before drilling out and if pressure declines by more than 10 percent in 30 minutes, corrective action will be taken.

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- h. 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.

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IV. Mud Program:

<u>Depth</u>	<u>Mud Weight (ppg)</u>	<u>Mud Type</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0 – 2000'	8.6	Fresh Water	26 – 50	N/C to 20 cc
2000' – 9150'	10.2	Salt Mud	36 – 50	< 12 cc
9150' – 10191'	8.8	Fresh Water	26 – 50	<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, yield point, gel strength, filtrated, 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.
- 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 more than 100 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 2000 feet to TD. Samples will be caught, cleaned, bagged, and marked as required.
- B. Drill Stem Tests: There is no DST planned.
- C. Coring: There are no whole cores planned. Sidewall cores may be taken in conjunction with logging operations.
- 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 include, at a minimum, resistivity, gamma ray, neutron/density log and caliper.

VI. Expected Bottom-Hole Pressure and Abnormal Conditions:

- A. Hydrogen Sulfide: Hydrogen Sulfide (H₂S) gas is not expected in the geologic formations to be penetrated by this well.
- B. Pressure: No abnormally pressured zones are expected in this well. The pressure gradient for all potentially productive formations is expected to be approximately 0.44psi/ft.
- C. Temperature: Bottom-hole temperature at TD is expected to be approximately 225 deg. F.

end

Section 7, T.23 S., R.1 W., S.L.B. & M.

PROJECT Wolverine Gas & Oil Company of Utah, LLC.

WELL LOCATION, LOCATED AS SHOWN IN THE SE 1/4 OF THE SE 1/4 OF SECTION 7, T.23 S., R.1 W., S.L.B. & M. SEVIER COUNTY, UTAH

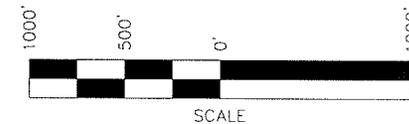
LEGEND

- = SECTION CORNERS LOCATED
- = QUARTER SECTION CORNERS LOCATED
- = PROPOSED SURFACE HOLE LOCATION
- = PROPOSED BOTTOM HOLE LOCATION

NOTE: THE PURPOSE OF THIS SURVEY WAS TO PLAT THE WOLVERINE COVENANT SWD # 2 LOCATION LOCATED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 7, T.23 S., R.1 W., S.L.B. & M. SEVIER COUNTY.

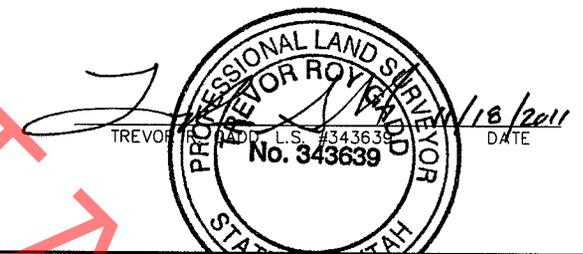
BASIS OF ELEVATION

ELEVATION BASED ON U.S.G.S. BENCH MARK LOCATED IN THE SW 1/4 OF SECTION 17, T.23 S., R.1 W., S.L.B. & M.



CERTIFICATE

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



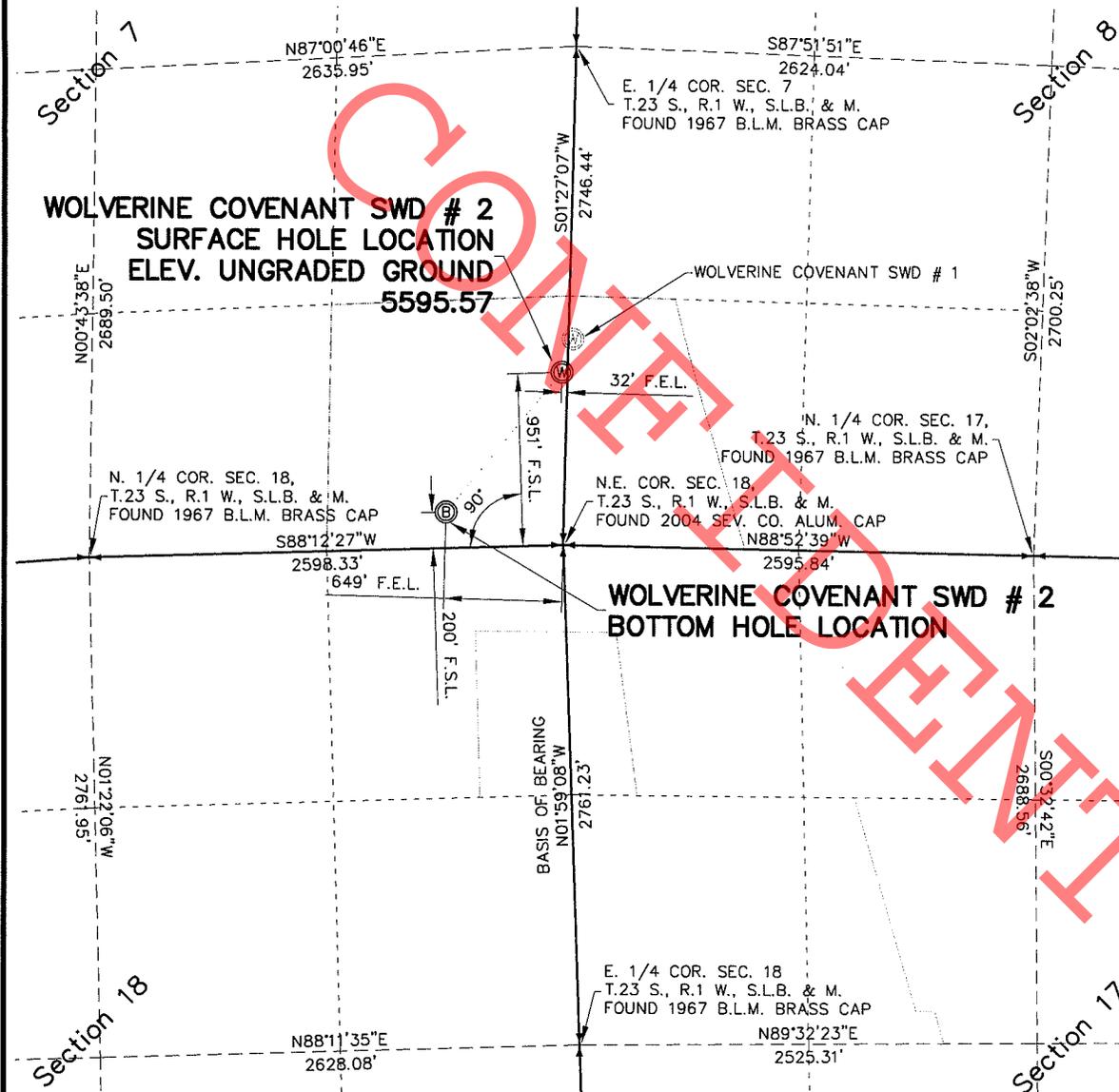
Jones & Demille Engineering

1535 South 100 West - Richfield, Utah 84701
 Phone (435) 896-8266
 Fax (435) 896-8268
 www.jonesondemille.com

Well Location Plat for

Wolverine Gas & Oil Company of Utah, LLC.

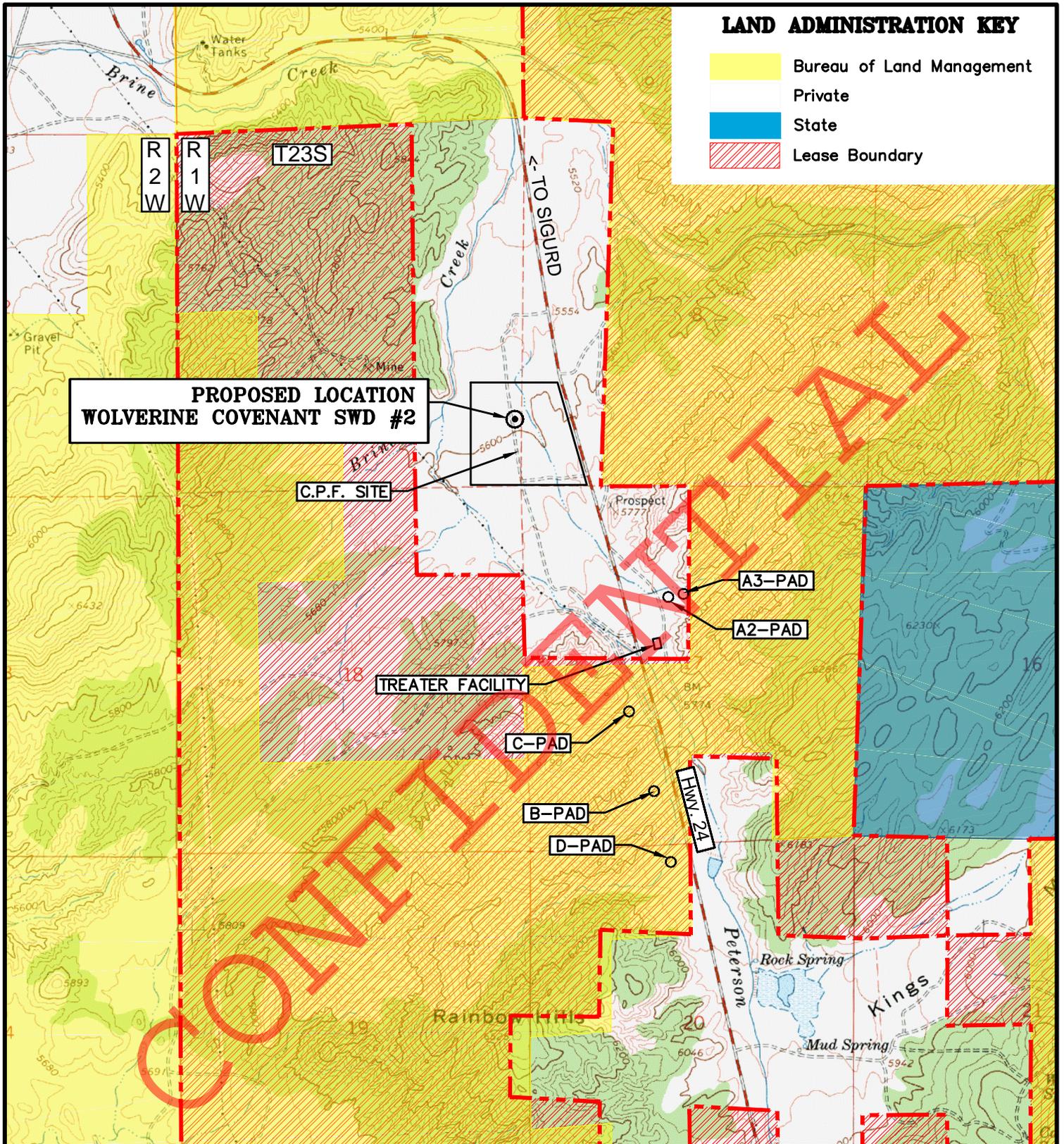
DESIGNED	SURVEYED	CHECKED	DRAWN	PROJECT NO.	SHEET NO.
	J.G.C.	T.R.G.	T.R.G.	1110-166	1
DATE		DWG. NAME	SCALE		
11/16/2011		1110-166...	1" = 1000'		



BASIS OF BEARINGS

BASIS OF BEARING USED WAS N01°59'08"W BETWEEN THE EAST QUARTER CORNER AND THE NORTHEAST CORNER OF SECTION 18 T.23 S., R.1 W., S.L.B. & M.

S.H.L. LAT.: 38°48'45.9154" (38.81275428) NAD 83 - UTM ZONE 12N NAD27 N 14095165.758
 S.H.L. LONG.: -111°56'31.8169" (-111.94217136) NAD 83 - UTM ZONE 12N NAD27 E 1372254.726
 B.H.L. LAT.: 38°48'38.2622" (38.81062839) - UTM ZONE 12N NAD27 N 14094398.294
 B.H.L. LONG.: -111°56'39.8109" (-111.94439192) - UTM ZONE 12N NAD27 E 1371614.205

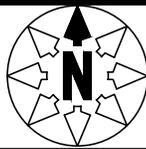


LEGEND

- PROPOSED LOCATION (PROPOSED LOCATION HAS EXISTING ACCESS ROAD ON PRIVATE PROPERTY)



Jones & DeMille Engineering, Inc.
 delivering BETTER solutions
 RICHFIELD - MANTI - PRICE
 Voice 435.896.8266
 Fax 435.896.8268
 www.jonesanddemille.com



SCALE: 1"=2000'

Wolverine State 20-5
Section 7, T.23 S., R.1 W., S.L.B. & M.
951' FSL 32' FEL

Wolverine Gas & Oil Co. of Utah, LLC FIGURE:

Wolverine Covenant SWD #2

Vicinity Map

DRAWN: B.L. 11-2011	PEN TBL: _1stndrd-ir2800.ctb	PROJECT: 1102-122	SHEET: 1
CHECK: D.R. 11-2011	FILE: VICINITY	LAST UPDATE: 11/18/2011	



WOLVERINE GAS & OIL COMPANY

Location: UTAH Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
 Field: SEVIER COUNTY UTM Zone Well: WOLVERINE COVENANT SWD #2
 Facility: SEC.07-T23S-R1W Wellbore: WOLVERINE COVENANT SWD #2 PWB

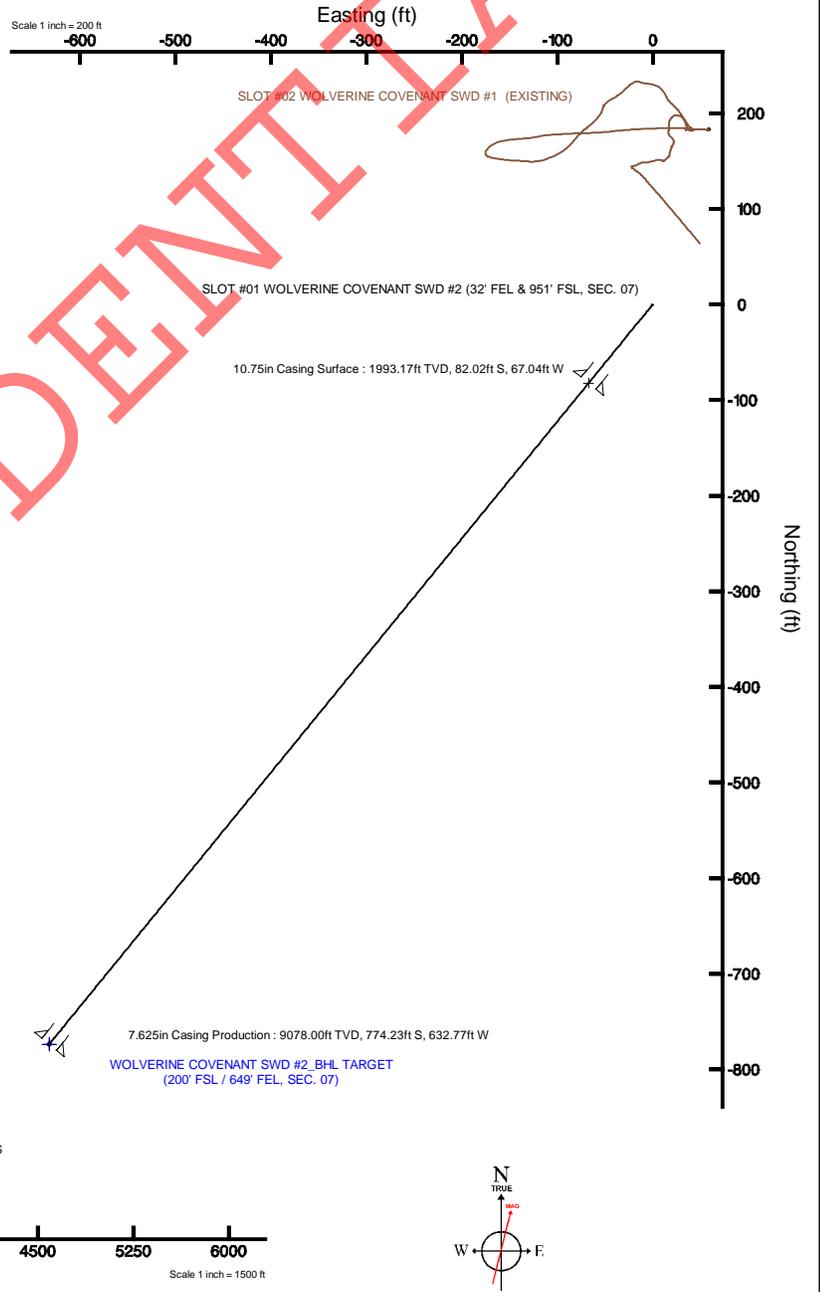
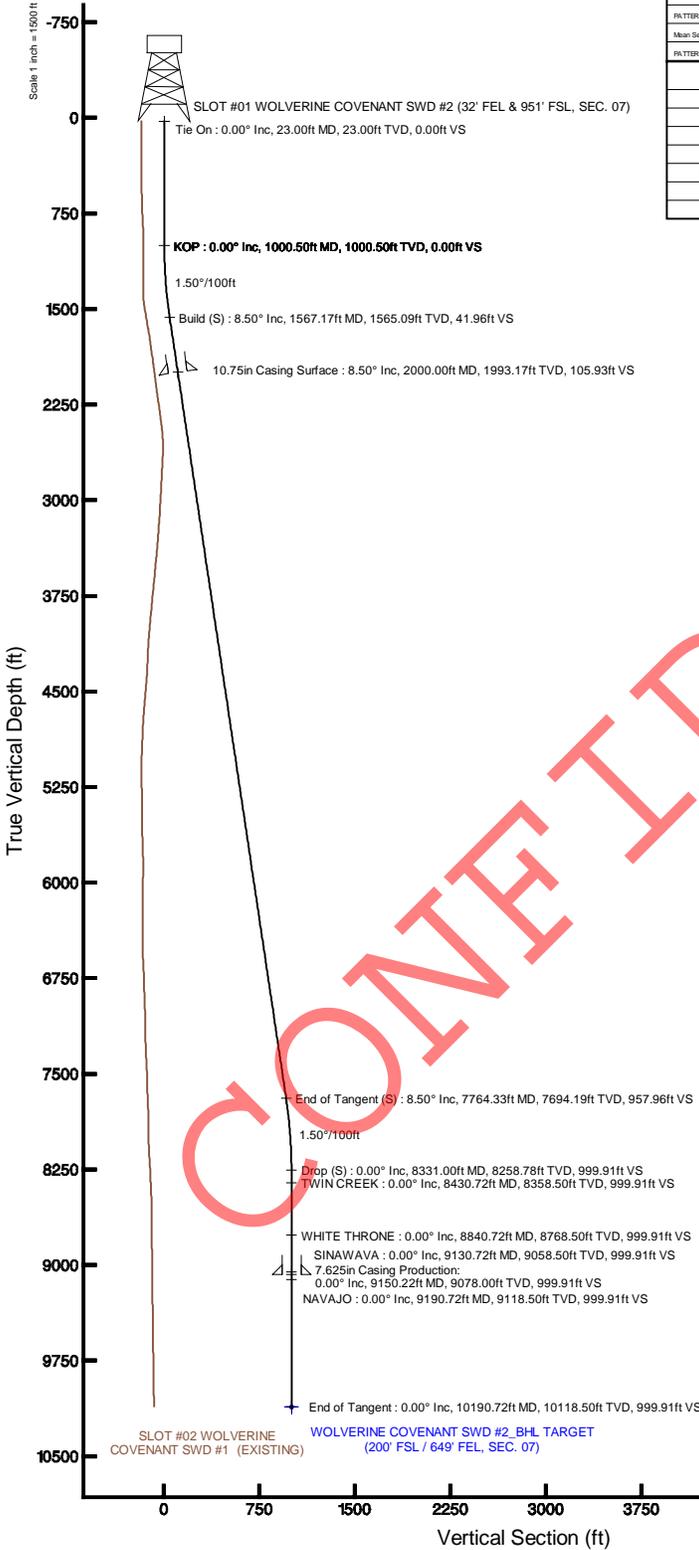
Plot reference wellpath is WOLVERINE COVENANT SWD #2 (REV-A.0) PWP	
True vertical depths are referenced to PATTERSON 304 (RKB)	Grid System: NAD83 / UTM Zone 12 North, US feet
Measured depths are referenced to PATTERSON 304 (RKB)	North Reference: True north
PATTERSON 304 (RKB) to Mean Sea Level: 5618.57 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: doddanna on 11/22/2011

Location Information

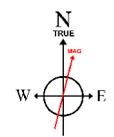
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude		
SEC.07-T23S-R1W	1372045.600	14095836.671	38°48'45.915"N	111°56'31.817"W		
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)	0.00	0.00	1372045.600	14095836.671	38°48'45.915"N	111°56'31.817"W
PATTERSON 304 (RKB) to Mud line (At Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07))					5618.57ft	
Mean Sea Level to Mud line (At Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07))					0ft	
PATTERSON 304 (RKB) to Mean Sea Level					5618.57ft	

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (#/100ft)	VS (ft)
Tie On	23.00	0.000	219.259	23.00	0.00	0.00	0.00	0.00
KOP	1000.50	0.000	219.259	1000.50	0.00	0.00	0.00	0.00
Build (S)	1567.17	8.500	219.259	1565.09	-32.49	-26.55	1.50	41.96
End of Tangent (S)	7764.33	8.500	219.259	7694.19	-741.74	-606.22	0.00	957.96
Drop (S)	8331.00	0.000	219.259	8258.78	-774.23	-632.77	1.50	999.91
End of Tangent	10190.72	0.000	219.259	10118.50	-774.23	-632.77	0.00	999.91



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BGGM (1945.0 to 2012.0) Dip: 64.42° Field: 51273.1 nT
 Magnetic North is 11.81 degrees East of True North (at 11/21/2011)

To correct azimuth from Magnetic to True add 11.81 degrees
 For example: if the Magnetic North Azimuth = 90 degs, then the True North Azimuth = 90 + 11.81 = 101.81



Planned Wellpath Report
 WOLVERINE COVENANT SWD #2 (REV-A.0) PWP
 Page 1 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

REPORT SETUP INFORMATION

Projection System	NAD83 / UTM Zone 12 North, US feet	Software System	WellArchitect® 3.0.0
North Reference	True	User	Doddanna
Scale	0.999682	Report Generated	11/22/2011 at 9:23:28 AM
Convergence at slot	0.59° West	Database/Source file	WA_Denver/WOLVERINE_COVENANT_SWD_#2_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	1372045.60	14095836.67	38°48'45.915"N	111°56'31.817"W
Facility Reference Pt			1372045.60	14095836.67	38°48'45.915"N	111°56'31.817"W
Field Reference Pt			1368928.97	14088610.08	38°47'34.146"N	111°57'10.250"W

WELLPATH DATUM

Calculation method	Minimum curvature	PATTERSON 304 (RKB) to Facility Vertical Datum	5618.57ft
Horizontal Reference Pt	Slot	PATTERSON 304 (RKB) to Mean Sea Level	5618.57ft
Vertical Reference Pt	PATTERSON 304 (RKB)	PATTERSON 304 (RKB) to Mud Line at Slot (SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07))	5618.57ft
MD Reference Pt	PATTERSON 304 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	219.26°

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Planned Wellpath Report
 WOLVERINE COVENANT SWD #2 (REV-A.0) PWP
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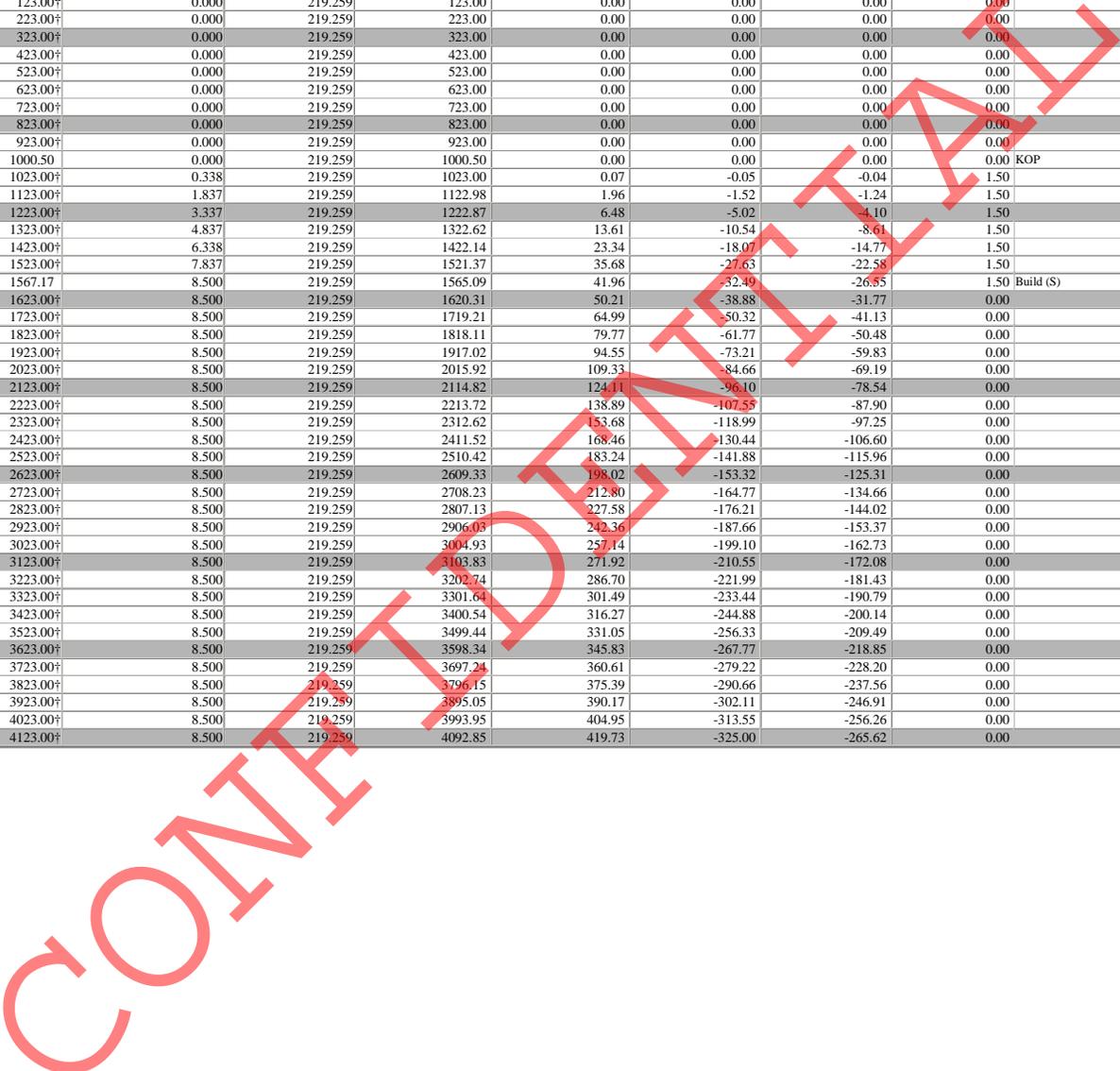


REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH DATA (112 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS ["/100ft]	Comments
0.00†	0.000	219.259	0.00	0.00	0.00	0.00	0.00	
23.00	0.000	219.259	23.00	0.00	0.00	0.00	0.00	Tie On
123.00†	0.000	219.259	123.00	0.00	0.00	0.00	0.00	
223.00†	0.000	219.259	223.00	0.00	0.00	0.00	0.00	
323.00†	0.000	219.259	323.00	0.00	0.00	0.00	0.00	
423.00†	0.000	219.259	423.00	0.00	0.00	0.00	0.00	
523.00†	0.000	219.259	523.00	0.00	0.00	0.00	0.00	
623.00†	0.000	219.259	623.00	0.00	0.00	0.00	0.00	
723.00†	0.000	219.259	723.00	0.00	0.00	0.00	0.00	
823.00†	0.000	219.259	823.00	0.00	0.00	0.00	0.00	
923.00†	0.000	219.259	923.00	0.00	0.00	0.00	0.00	
1000.50	0.000	219.259	1000.50	0.00	0.00	0.00	0.00	KOP
1023.00†	0.338	219.259	1023.00	0.07	-0.05	-0.04	1.50	
1123.00†	1.837	219.259	1122.98	1.96	-1.52	-1.24	1.50	
1223.00†	3.337	219.259	1222.87	6.48	-5.02	-4.10	1.50	
1323.00†	4.837	219.259	1322.62	13.61	-10.54	-8.61	1.50	
1423.00†	6.338	219.259	1422.14	23.34	-18.07	-14.77	1.50	
1523.00†	7.837	219.259	1521.37	35.68	-27.63	-22.58	1.50	
1567.17	8.500	219.259	1565.09	41.96	-32.49	-26.85	1.50	Build (S)
1623.00†	8.500	219.259	1620.31	50.21	-38.88	-31.77	0.00	
1723.00†	8.500	219.259	1719.21	64.99	-50.32	-41.13	0.00	
1823.00†	8.500	219.259	1818.11	79.77	-61.77	-50.48	0.00	
1923.00†	8.500	219.259	1917.02	94.55	-73.21	-59.83	0.00	
2023.00†	8.500	219.259	2015.92	109.33	-84.66	-69.19	0.00	
2123.00†	8.500	219.259	2114.82	124.11	-96.10	-78.54	0.00	
2223.00†	8.500	219.259	2213.72	138.89	-107.55	-87.90	0.00	
2323.00†	8.500	219.259	2312.62	153.68	-118.99	-97.25	0.00	
2423.00†	8.500	219.259	2411.52	168.46	-130.44	-106.60	0.00	
2523.00†	8.500	219.259	2510.42	183.24	-141.88	-115.96	0.00	
2623.00†	8.500	219.259	2609.33	198.02	-153.32	-125.31	0.00	
2723.00†	8.500	219.259	2708.23	212.80	-164.77	-134.66	0.00	
2823.00†	8.500	219.259	2807.13	227.58	-176.21	-144.02	0.00	
2923.00†	8.500	219.259	2906.03	242.36	-187.66	-153.37	0.00	
3023.00†	8.500	219.259	3004.93	257.14	-199.10	-162.73	0.00	
3123.00†	8.500	219.259	3103.83	271.92	-210.55	-172.08	0.00	
3223.00†	8.500	219.259	3202.74	286.70	-221.99	-181.43	0.00	
3323.00†	8.500	219.259	3301.64	301.49	-233.44	-190.79	0.00	
3423.00†	8.500	219.259	3400.54	316.27	-244.88	-200.14	0.00	
3523.00†	8.500	219.259	3499.44	331.05	-256.33	-209.49	0.00	
3623.00†	8.500	219.259	3598.34	345.83	-267.77	-218.85	0.00	
3723.00†	8.500	219.259	3697.24	360.61	-279.22	-228.20	0.00	
3823.00†	8.500	219.259	3796.15	375.39	-290.66	-237.56	0.00	
3923.00†	8.500	219.259	3895.05	390.17	-302.11	-246.91	0.00	
4023.00†	8.500	219.259	3993.95	404.95	-313.55	-256.26	0.00	
4123.00†	8.500	219.259	4092.85	419.73	-325.00	-265.62	0.00	





Planned Wellpath Report
 WOLVERINE COVENANT SWD #2 (REV-A.0) PWP
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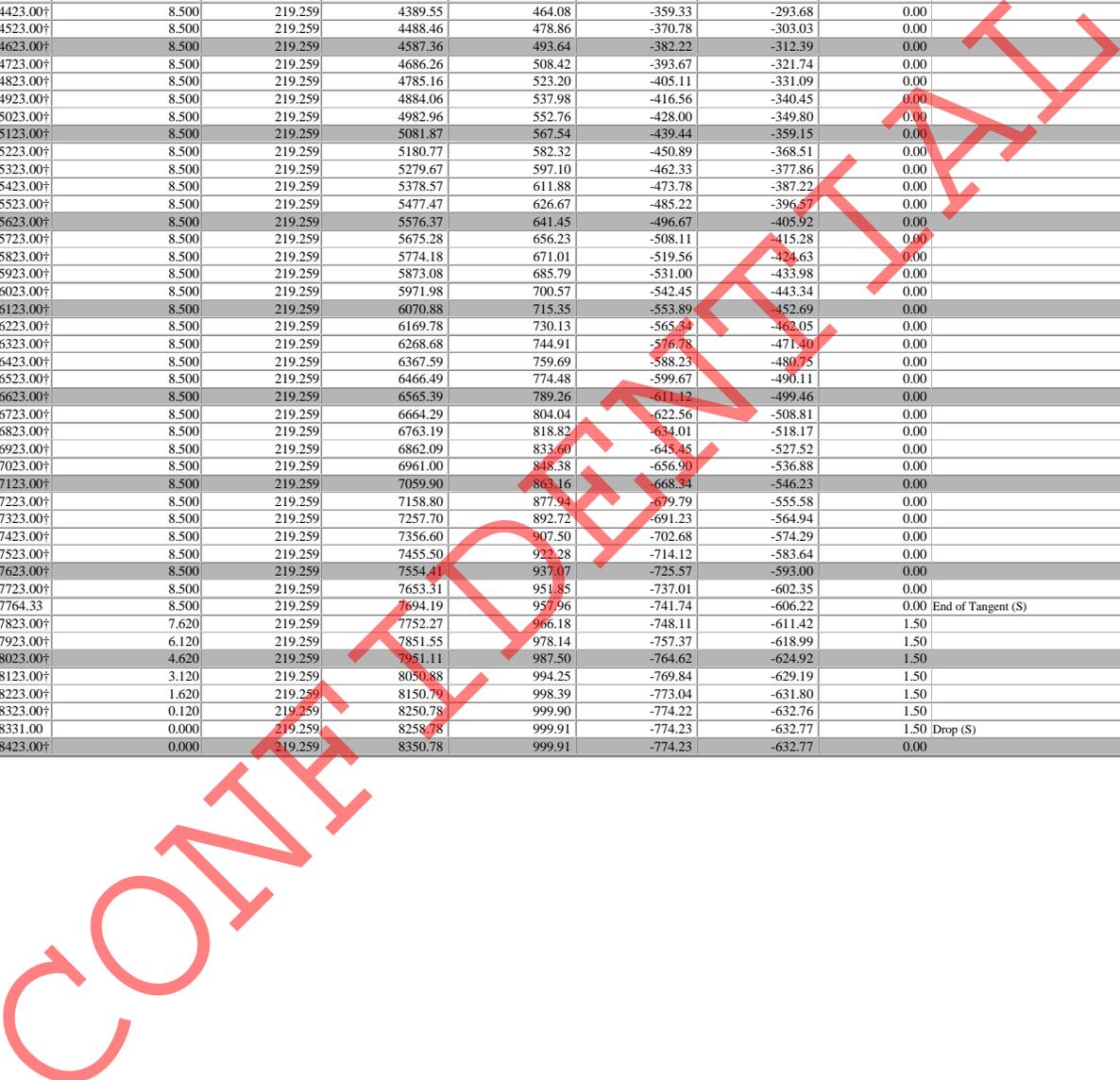


REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH DATA (112 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS ["/100ft]	Comments
4223.00†	8.500	219.259	4191.75	434.51	-336.44	-274.97	0.00	
4323.00†	8.500	219.259	4290.65	449.29	-347.89	-284.32	0.00	
4423.00†	8.500	219.259	4389.55	464.08	-359.33	-293.68	0.00	
4523.00†	8.500	219.259	4488.46	478.86	-370.78	-303.03	0.00	
4623.00†	8.500	219.259	4587.36	493.64	-382.22	-312.39	0.00	
4723.00†	8.500	219.259	4686.26	508.42	-393.67	-321.74	0.00	
4823.00†	8.500	219.259	4785.16	523.20	-405.11	-331.09	0.00	
4923.00†	8.500	219.259	4884.06	537.98	-416.56	-340.45	0.00	
5023.00†	8.500	219.259	4982.96	552.76	-428.00	-349.80	0.00	
5123.00†	8.500	219.259	5081.87	567.54	-439.44	-359.15	0.00	
5223.00†	8.500	219.259	5180.77	582.32	-450.89	-368.51	0.00	
5323.00†	8.500	219.259	5279.67	597.10	-462.33	-377.86	0.00	
5423.00†	8.500	219.259	5378.57	611.88	-473.78	-387.22	0.00	
5523.00†	8.500	219.259	5477.47	626.67	-485.22	-396.57	0.00	
5623.00†	8.500	219.259	5576.37	641.45	-496.67	-405.92	0.00	
5723.00†	8.500	219.259	5675.28	656.23	-508.11	-415.28	0.00	
5823.00†	8.500	219.259	5774.18	671.01	-519.56	-424.63	0.00	
5923.00†	8.500	219.259	5873.08	685.79	-531.00	-433.98	0.00	
6023.00†	8.500	219.259	5971.98	700.57	-542.45	-443.34	0.00	
6123.00†	8.500	219.259	6070.88	715.35	-553.89	-452.69	0.00	
6223.00†	8.500	219.259	6169.78	730.13	-565.34	-462.05	0.00	
6323.00†	8.500	219.259	6268.68	744.91	-576.78	-471.40	0.00	
6423.00†	8.500	219.259	6367.59	759.69	-588.23	-480.75	0.00	
6523.00†	8.500	219.259	6466.49	774.48	-599.67	-490.11	0.00	
6623.00†	8.500	219.259	6565.39	789.26	-611.12	-499.46	0.00	
6723.00†	8.500	219.259	6664.29	804.04	-622.56	-508.81	0.00	
6823.00†	8.500	219.259	6763.19	818.82	-634.01	-518.17	0.00	
6923.00†	8.500	219.259	6862.09	833.60	-645.45	-527.52	0.00	
7023.00†	8.500	219.259	6961.00	848.38	-656.90	-536.88	0.00	
7123.00†	8.500	219.259	7059.90	863.16	-668.34	-546.23	0.00	
7223.00†	8.500	219.259	7158.80	877.94	-679.79	-555.58	0.00	
7323.00†	8.500	219.259	7257.70	892.72	-691.23	-564.94	0.00	
7423.00†	8.500	219.259	7356.60	907.50	-702.68	-574.29	0.00	
7523.00†	8.500	219.259	7455.50	922.28	-714.12	-583.64	0.00	
7623.00†	8.500	219.259	7554.41	937.07	-725.57	-593.00	0.00	
7723.00†	8.500	219.259	7653.31	951.85	-737.01	-602.35	0.00	
7764.33	8.500	219.259	7694.19	957.96	-741.74	-606.22	0.00	End of Tangent (S)
7823.00†	7.620	219.259	7752.27	966.18	-748.11	-611.42	1.50	
7923.00†	6.120	219.259	7851.55	978.14	-757.37	-618.99	1.50	
8023.00†	4.620	219.259	7951.11	987.50	-764.62	-624.92	1.50	
8123.00†	3.120	219.259	8050.88	994.25	-769.84	-629.19	1.50	
8223.00†	1.620	219.259	8150.79	998.39	-773.04	-631.80	1.50	
8323.00†	0.120	219.259	8250.78	999.90	-774.22	-632.76	1.50	
8331.00	0.000	219.259	8258.78	999.91	-774.23	-632.77	1.50	Drop (S)
8423.00†	0.000	219.259	8350.78	999.91	-774.23	-632.77	0.00	





Planned Wellpath Report
 WOLVERINE COVENANT SWD #2 (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH DATA (112 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8430.72†	0.000	219.259	8358.50	999.91	-774.23	-632.77	0.00	TWIN CREEK
8523.00†	0.000	219.259	8450.78	999.91	-774.23	-632.77	0.00	
8623.00†	0.000	219.259	8550.78	999.91	-774.23	-632.77	0.00	
8723.00†	0.000	219.259	8650.78	999.91	-774.23	-632.77	0.00	
8823.00†	0.000	219.259	8750.78	999.91	-774.23	-632.77	0.00	
8840.72†	0.000	219.259	8768.50	999.91	-774.23	-632.77	0.00	WHITE THRONE
8923.00†	0.000	219.259	8850.78	999.91	-774.23	-632.77	0.00	
9023.00†	0.000	219.259	8950.78	999.91	-774.23	-632.77	0.00	
9123.00†	0.000	219.259	9050.78	999.91	-774.23	-632.77	0.00	
9130.72†	0.000	219.259	9058.50	999.91	-774.23	-632.77	0.00	SINAWAVA
9190.72†	0.000	219.259	9118.50	999.91	-774.23	-632.77	0.00	NAVAJO
9223.00†	0.000	219.259	9150.78	999.91	-774.23	-632.77	0.00	
9323.00†	0.000	219.259	9250.78	999.91	-774.23	-632.77	0.00	
9423.00†	0.000	219.259	9350.78	999.91	-774.23	-632.77	0.00	
9523.00†	0.000	219.259	9450.78	999.91	-774.23	-632.77	0.00	
9623.00†	0.000	219.259	9550.78	999.91	-774.23	-632.77	0.00	
9723.00†	0.000	219.259	9650.78	999.91	-774.23	-632.77	0.00	
9823.00†	0.000	219.259	9750.78	999.91	-774.23	-632.77	0.00	
9923.00†	0.000	219.259	9850.78	999.91	-774.23	-632.77	0.00	
10023.00†	0.000	219.259	9950.78	999.91	-774.23	-632.77	0.00	
10123.00†	0.000	219.259	10050.78	999.91	-774.23	-632.77	0.00	
10190.72	0.000	219.259	10118.50†	999.91	-774.23	-632.77	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: WOLVERINE COVENANT SWD #2 PWB Ref Wellpath: WOLVERINE COVENANT SWD #2 (REV-A.0) PWP									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	23.00	2000.00	1977.00	23.00	1993.17	0.00	0.00	-82.02	-67.04
10.75in Casing Surface	23.00	2000.00	1977.00	23.00	1993.17	0.00	0.00	-82.02	-67.04
9.875in Open Hole	2000.00	9150.22	7150.22	1993.17	9078.00	-82.02	-67.04	-774.23	-632.77
7.625in Casing Production	2000.00	9150.22	7150.22	1993.17	9078.00	-82.02	-67.04	-774.23	-632.77

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Planned Wellpath Report
 WOLVERINE COVENANT SWD #2 (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WOLVERINE COVENANT SWD #2_SECTION 07		0.50	-774.25	-632.78	1371405.08	14095069.23	38°48'38.262"N	111°56'39.811"W	point
1) WOLVERINE COVENANT SWD #2_BHL TARGET_REV 1 (200' FSL / 649' FEL, SEC. 07)	10190.72	10118.50	-774.23	-632.77	1371405.09	14095069.25	38°48'38.262"N	111°56'39.811"W	point
WOLVERINE COVENANT SWD #2_SECTION LINES		10118.50	-774.25	-632.78	1371405.08	14095069.23	38°48'38.262"N	111°56'39.811"W	point

SURVEY PROGRAM - Ref Wellbore: WOLVERINE COVENANT SWD #2 PWB Ref Wellpath: WOLVERINE COVENANT SWD #2 (REV-A.0) PWP					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
23.00	10190.72	NaviTrak (Standard)		WOLVERINE COVENANT SWD #2 PWB	

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Planned Wellpath Report

WOLVERINE COVENANT SWD #2 (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8430.72	0.000	219.259	8358.50	TWIN CREEK
8840.72	0.000	219.259	8768.50	WHITE THRONE
9130.72	0.000	219.259	9058.50	SINAWAVA
9190.72	0.000	219.259	9118.50	NAVAJO

CONFIDENTIAL

AFFIDAVIT

STATE OF UTAH
COUNTY OF SEVIER

In the matter of the proposed Covenant SWD #2 well, to be situated on the following described lands in Sevier County, Utah:

Township 23 South-Range 1 West, SLM
Section 7: Southeast Quarter of the Southeast Quarter
Section 8: That part of the Southwest Quarter of the Southwest Quarter of Section 8 lying West of Highway 24
-Containing 65.503 acres.

I, Charlie Irons, a resident of Sevier County, Utah, and an employee of Wolverine Gas and Oil Corporation in its Richfield Field Office, do hereby depose and say that Wolverine Gas and Oil Corporation is the owner of the surface of the above described lands. The operator of the proposed well, Wolverine Gas and Oil Company of Utah, LLC, is wholly owned by Wolverine Gas and Oil Corporation and is authorized to act as operator on said land.

Subscribed and sworn this 21st day of November, 2011

Charlie Irons

Charlie Irons

STATE OF UTAH)

)

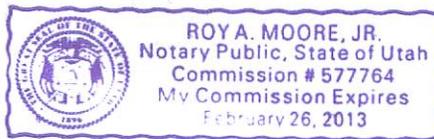
COUNTY OF SEVIER)

)

ss: ACKNOWLEDGMENT

Subscribed and sworn to this this 21st day of November, 2011

Roy A. Moore, Jr.
Roy A. Moore, Jr., Notary Public



SURFACE USE PLAN OF OPERATIONS*For inclusion with Application for Permit to Drill*

Name of Operator: Wolverine Gas and Oil Company of Utah, LLC
Address: 5 West Constitution Way, Suite 1140
Richfield, Utah 84701

Covenant SWD #2

Surface Well Location: 951' FSL & 32' FEL, being in SE4/SE4
Section 7, T23S, R1W, SLB&M
Sevier County, Utah

Bottom Hole Location: 200' FSL and 649' FEL, being in SE4/SE4
Section 7, T23S, R1W, SLB&M
Sevier County, Utah

Access Road Location: Across private land owned by Wolverine; previously constructed access to SWD #1.

State surface use is not required for construction and drilling of the referenced well. Wolverine is the surface owner at the drill pad site and the access road. The bottom hole location is owned in fee by Wolverine. All subject lands are unitized under the Wolverine Federal Unit.

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

Existing Roads:

The vicinity map included with the APD shows the proposed well location and its proximity to the town of Sigurd, Utah. From Sigurd, travel south on SR 24 approximately 3 miles to the existing driveway that accesses Wolverine's Central Production Facility on the west side of highway. Follow existing access road toward SWD #1 to proposed well.

Access Roads to be Constructed and Reconstructed:

None

Location of Existing Wells within a one-mile radius :

All wells located within a one-mile radius of the proposed well are listed below:

Well	Type	Surface Location *	Bottom Hole Location *
KMR 17-1	Producer-oil	SE4NW4 Section 17	SE4NW4 Section 17
WF 17-2	Producer-oil	SE4SW4 Section 17	SE4SW4 Section 17
WF 17-3	Producer-oil	SE4NW4 Section 17	NW4SW4 Section 17
WF 17-4	Producer-oil	SE4NW4 Section 17	NW4SE4 Section 17
WF 17-5	Producer-oil	SE4NW4 Section 17	SE4NE4 Section 17
WF 17-6	Producer-oil	SE4NW4 Section 17	NW4NE4 Section 17
KMR 17-7	Producer-oil	SE4NW4 Section 17	SW4NW4 Section 17
WF 17-8	Producer-oil	NE4SW4 Section 17	NE4SW4 Section 17
WF 17-9	Producer-oil	NE4SW4 Section 17	SW4SW4 Section 17
WS 17-10	Producer-oil	NE4NW4 Section 20	SW4SE4 Section 17
WF 17-11	Producer-oil	SE4NW4 Section 17	SE4NE4 Section 17
WF 17-12	Producer-oil	SE4NW4 Section 17	SW4NE4 Section 17

WF 17-13	Producer-oil	SE4NW4 Section 17	NW4NE4 Section 17
KMR 17-14	Producer-oil	SE4NW4 Section 17	NE4NW4 Section 17
WF 18-1	Producer-oil	SE4SW4 Section 17	SE4SE4 Section 18
WF 19-1	Producer-oil	SE4SW4 Section 17	NE4NE4 Section 19
WF 19-2	Producer-oil	NE4NW4 Section 20	NE4SE4 Section 19
WF 19-3	Producer-oil	NE4NW4 Section 19	NW4SE4 Section 19
WF 19-4	Producer-oil	NE4NW4 Section 19	NE4NE4 Section 19
WF 20-1	Producer-oil	SE4SW4 Section 17	NW4NW4 Section 20
WF 20-2	Producer-oil	NE4NW4 Section 20	SW4NW4 Section 20
WS 20-3	Producer-oil	NE4NW4 Section 20	SE4NW4 Section 20
WF 20-4	Producer-oil	NE4NW4 Section 20	NE4NW4 Section 20
WS 20-5	Drilling	NE4NW4 Section 20	NW4SW4 Section 20
WF 8-1	Dry Hole-plugged	SE4NW4 Section 17	SE4SE4 Section 8
SWD-1	Disposal-active	SW4SW4 Section 8	SW4SW4 Section 8
Water well	Culinary water supply	SW4NE4 Section 20	SW4NE4 Section 20

*All wells are located in T23S-R1W

Location of Planned Wells:

At present there are no planned wells that have approval to be drilled within a one-mile radius of the proposed well.

Location of Existing and/or Proposed Facilities if Well is Successful:

The existing infrastructure for salt water disposal adjacent to this location will be utilized in the event drilling is successful. A flowline will be installed running south across the well pad, connecting the well to the SWD processing building.

Location and Type of Water Supply (Rivers, Creeks, Lakes, Ponds and Wells):

The Operator intends to purchase water from the Town of Sigurd, which was the supply for drilling the Wolverine State 20-5 well. Source of water is the town springs near Kings Meadow Reservoir. Water will be trucked to the reserve pit from a fire hydrant on the south end of town, as directed by the Town of Sigurd. Should additional water sources be pursued they will be properly permitted through the State of Utah – Division of Water Rights. UDOGM will be notified of any changes in water supply.

Construction Materials:

Natural earth materials used for fill on the well pad will be taken from cuts made in leveling. Imported granular borrow from an approved source will be applied to the surface of the well pad. A rig foundation area (60' x 90' x 8') will be excavated, then filled with compacted granular borrow to support the drill rig. Additional gravel may be hauled in as a surface material. The reserve pit (170' x 115') will be excavated to a depth of 14 feet.

Methods for Handling Waste Disposal:

The reserve pit will be used for the disposal of waste mud and drill cuttings. All borehole fluids and salts will be contained in the reserve pit. It will be located in cut material and will be lined with 12 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if sharp rock edges result from excavation. The pit liner will overlap the top of the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc. that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations. After evaporation of fluids, back-fill of sub-soil and compaction to prevent settling will occur within 90 days of cessation of pit use. If necessary, any remaining fluids will be pumped out of the pit and transported off site.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.

Wastewater will not be discharged on the surface at this site and the drilling of the well will not require a wastewater

management plan.

All rubbish and debris will be kept in containers on the well site, and will be hauled to an approved disposal site upon completion of drilling operations and as needed during such operations. There will be no chemical disposal of any type.

Self-contained, portable toilets will be used for human waste, and the waste will be disposed at an approved human waste disposal facility. Sanitation will comply with local and state regulations.

Ancillary Facilities:

No new ancillary facilities are anticipated at this time.

Well Site Layout:

Pad Location and Layout Drawings in the APD packet show the proposed well site layout including location of the reserve pit and access road onto the pad, turnaround areas, parking areas, office facilities, soil material stockpiles, and the orientation of the rig with respect to the pad and the previously-drilled SWD #1 well. The reserve pit will be fenced on three sides during drilling operations and then the fourth side will be immediately fenced when the rig is moved off location.

The pad and road designs would be consistent with UDOGM specifications.

A pre-construction meeting with responsible company representative and contractors will be conducted at the project site prior to commencement of surface-disturbing activities. The pad will be construction-staked (centerline and exterior boundaries) prior to this meeting.

All surface disturbing activities will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of approval from UDOGM under the APD.

Plans for Reclamation of the Surface:

Interim Reclamation: After drilling and installation of facilities the Operator will perform interim reclamation of the site. Interim reclamation will consist of reclamation of the reserve pit and restoration of most of the well pad to its condition prior to drilling the well. After evaporation of fluids, the pit will be back-filled with sub-soil and/or rock and compacted to prevent settling. The pit area will be restored to the approximate original contour.

Final Reclamation: At such time that all production ceases and there is no further use for salt water disposal through this well bore, the Operator will plug and abandon the well and perform final reclamation of the site. Final reclamation will consist of removal of all above-ground equipment and purging all pipelines so as to abandon in place.

Due to the private ownership status of the land, final reclamation will be in accordance with the land's future use. Final reclamation will take place within 180 days after plugging date of the last well on site, depending on weather, season and other extenuating circumstances.

Surface Ownership:

The surface of the proposed well site and the access road is private land, owned by Wolverine Gas and Oil Corporation.

Other Information:

All permanent structures, including pumping units, constructed or installed will be painted a flat, non-reflective color as described on page 40 of the Gold Book (Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development, 4th Edition 2006). Permanent structures are defined as being on location for six months or longer. Facilities required to comply with Occupational Safety and Health Act (OSHA) shall be excluded.

Fire suppression equipment will be available to suppress any wildfires caused by construction or drilling related activities. In the event of a wildfire the Richfield Interagency Fire Center (435) 896-8404 will be notified.

Operator Certification

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

Executed this 22nd day of November, 2011.

Signature:

Charlie Irons

Charlie Irons

Position Title:

Senior Landman

Address:

Wolverine Gas and Oil Company of Utah, LLC
5 West Constitution Way, Suite 1140
Richfield, Utah 84701

Telephone:

435-896-1943

Field representative: (Same as above signatory)

Address:

Wolverine Gas and Oil Company of Utah, LLC
5 West Constitution Way, Suite 1140
Richfield, Utah 84701

Telephone:

435-896-1943

Agents not directly employed by the operator must submit a letter from the operator authorizing that agent to act or file this application on their behalf.

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Wolverine Gas and Oil Company of Utah, LLC			Utah Account Number N	Well Name and Number Covenant SWD-2
Address of Operator 55 Campau NW CITY Grand Rapids STATE MI ZIP 49503			Phone Number (616) 490-1150	API Number
Location of Well Footage: 951' FSL, 32' FEL County: Sevier				Field or Unit Name Covenant
QQ, Section, Township, Range: SESE 7 23S 1W State: UTAH				Lease Designation and Number

Is this application for expansion of an existing project? Yes No

Will the proposed well be used for:

Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes No

If this application is for an existing well, has a casing test been performed? Yes No
Date of test: _____

Proposed injection interval: from 9,150 to 10,191

Proposed maximum injection: rate 10,000 bpd pressure 2,000 psig

Proposed injection zone contains oil , gas , and / or fresh water within 1/2 mile of the well.

List of attachments: Survey Plats, Drilling Plan, Directional Plan, Surface Use Plan, Exception Letter, Affidavit, BOPE Schematic, Water Analysis, WBD

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT UTAH OIL AND GAS CONSERVATION GENERAL RULES

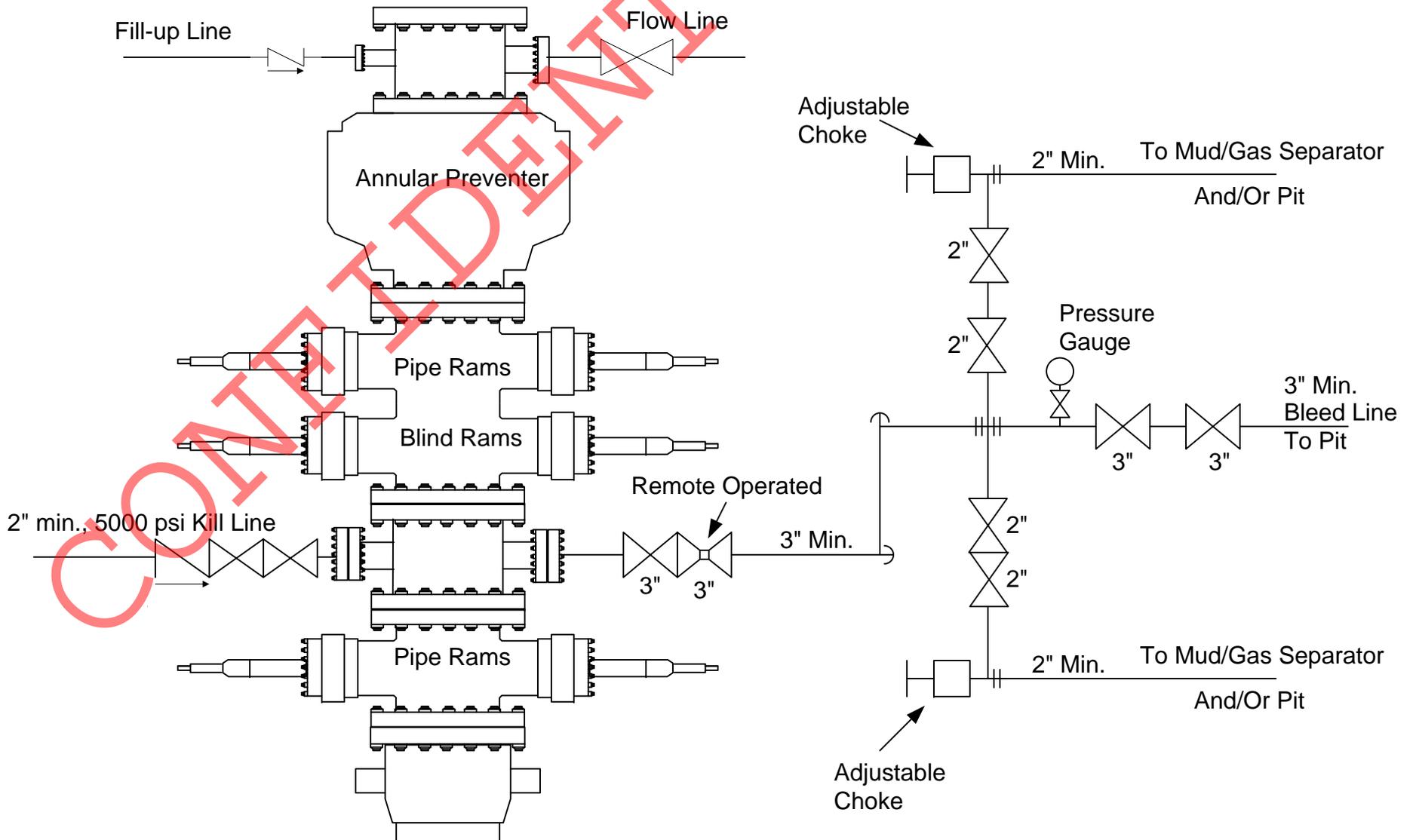
I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Matthew Rivers
Signature *Matthew Rivers*

Title Production Engineer
Date 11/22/2011

5k BOPE Schematic

(Not to Scale)





Water Analysis Report

Baker Petrolite

WOLVERINE
COVENANT
SWD-1
SWD

Account Manager
R. BILLS

Summary of Entered Data		Sample 49310WOL @ 75°F					
Sampling Date	22Dec10	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date	6Jan11	Chloride	15,056	425	Sodium	10,375	451
Analyst	CHRISTY LENCIONI/IRENE LOPEZ	Bicarbonate	569	9.32	Magnesium	59.1	4.86
		Carbonate	N/A	N/A	Calcium	398	19.9
TDS (mg/l or g/m ³)	28,933	Sulfate	2,218	46.2	Strontium	16.7	0.38
Density (g/cm ³ or tonne/m ³)	1.0188	Phosphate	N/A	N/A	Barium	0.16	0.00
Anion/Cation Ratio	1.00	Borate	N/A	N/A	Iron	1.91	0.07
		Silicate	46.4	0.00	Potassium	193	4.94
Carbon Dioxide	280				Aluminum	N/A	N/A
					Chromium	N/A	N/A
					Copper	N/A	N/A
BICARB 488 mg/L (LAB)		pH at time of sampling		6.20	Lead	N/A	N/A
		pH at time of analysis		6.74	Manganese	0.15	0.01
		pH used in Calculations		6.20	Nickel	N/A	N/A

Specific ion interactions calculated for ions in bold faced type; other ions contribute to ionic strength.

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl										
Temp.	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ •2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Fugacity psi
80	0.0	-0.65		-0.59		-0.65		-0.21		0.90	0.08	3.58
100	0.0	-0.52		-0.62		-0.61		-0.21		0.74	0.08	4.62
120	0.0	-0.39		-0.63		-0.54		-0.20		0.60	0.07	5.72
140	0.0	-0.24		-0.64		-0.45		-0.18		0.48	0.06	6.86
160	0.0	-0.09		-0.63		-0.35		-0.16		0.39	0.06	7.99
180	0.0	0.06	8	-0.63		-0.23		-0.13		0.31	0.05	9.06
200	0.0	0.23	27	-0.61		-0.10		-0.09		0.25	0.04	10.05
220	2.5	0.39	45	-0.60		0.04	34	-0.06		0.21	0.04	10.93
240	10.3	0.56	62	-0.58		0.20	135	-0.02		0.18	0.03	11.70
260	20.8	0.74	78	-0.57		0.35	217	0.02	0.59	0.17	0.03	12.33
280	34.5	0.91	91	-0.55		0.51	282	0.06	1.56	0.16	0.03	12.82
300	52.3	1.08	103	-0.54		0.68	332	0.10	2.41	0.17	0.03	13.18

Precipitation of each scale is considered separately; total scale will be less than the sum of the amounts of the five scales.

The amount of scale indicates the severity of the problem; the index (equivalent to Stiff Davis SI) indicates how difficult it is to control the problem.

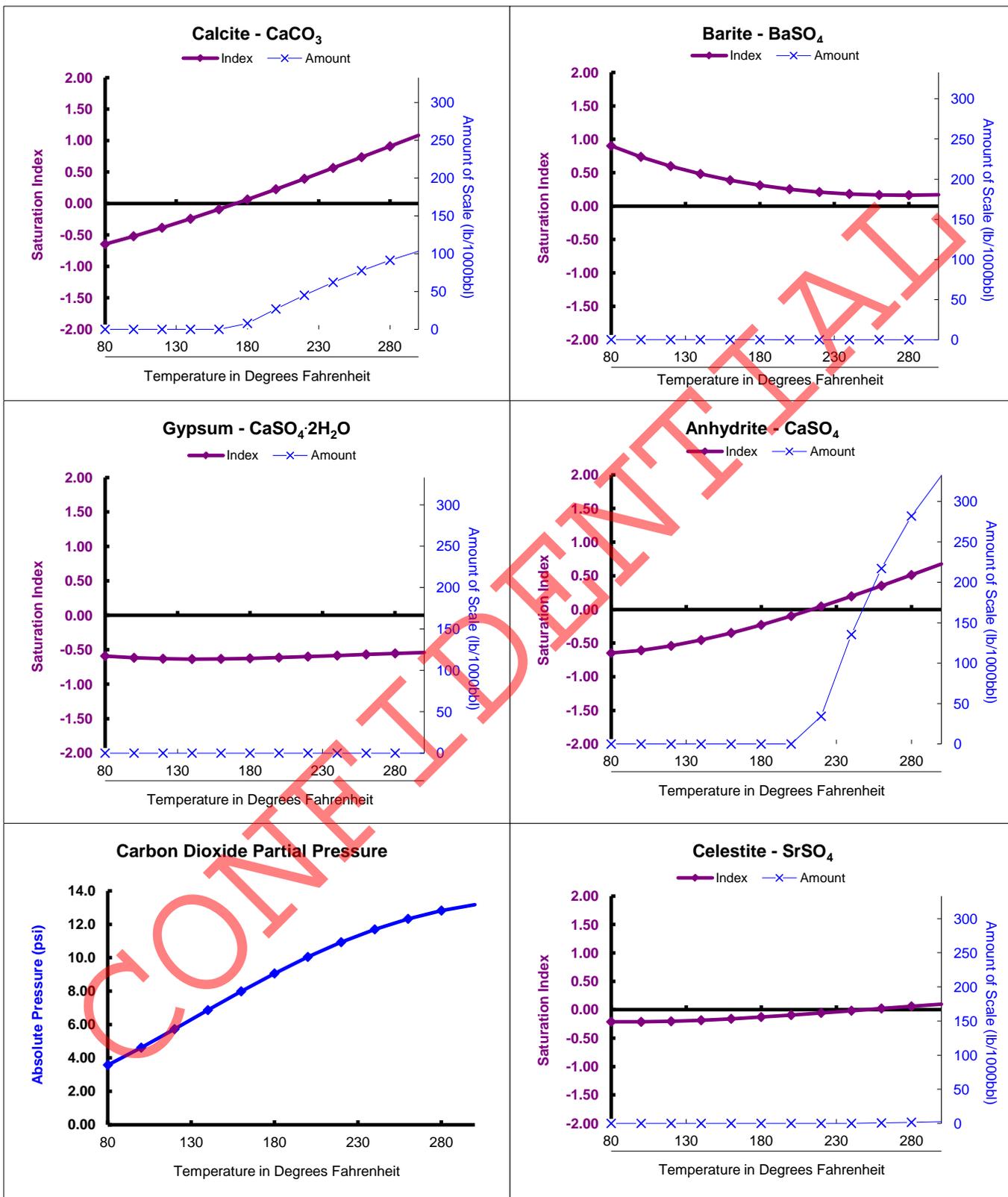
The CO₂ fugacity is reported. Under usual conditions it is essentially the same as the CO₂ partial pressure.

Disclaimer of Liability: Baker Petrolite Corporation and its affiliates (BPC) disclaim all warranties or representations express or implied, including any implied warranties of merchantability or fitness for a particular purpose or to the accuracy, correctness or completeness of such information herein or that reliance on such information will accomplish any particular result. All such information is furnished "as is" and by using such information the user is assuming all liabilities for the use or reliance on such information. BPC SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES OR LOSSES FROM ANY CAUSE WHATSOEVER INCLUDING BUT NOT LIMITED TO ITS NEGLIGENCE.

Scale Predictions

For Sample 49310WOL @ 75°F from WOLVERINE , COVENANT , SWD-1 , SWD , Jan/6/11

Baker Petrolite

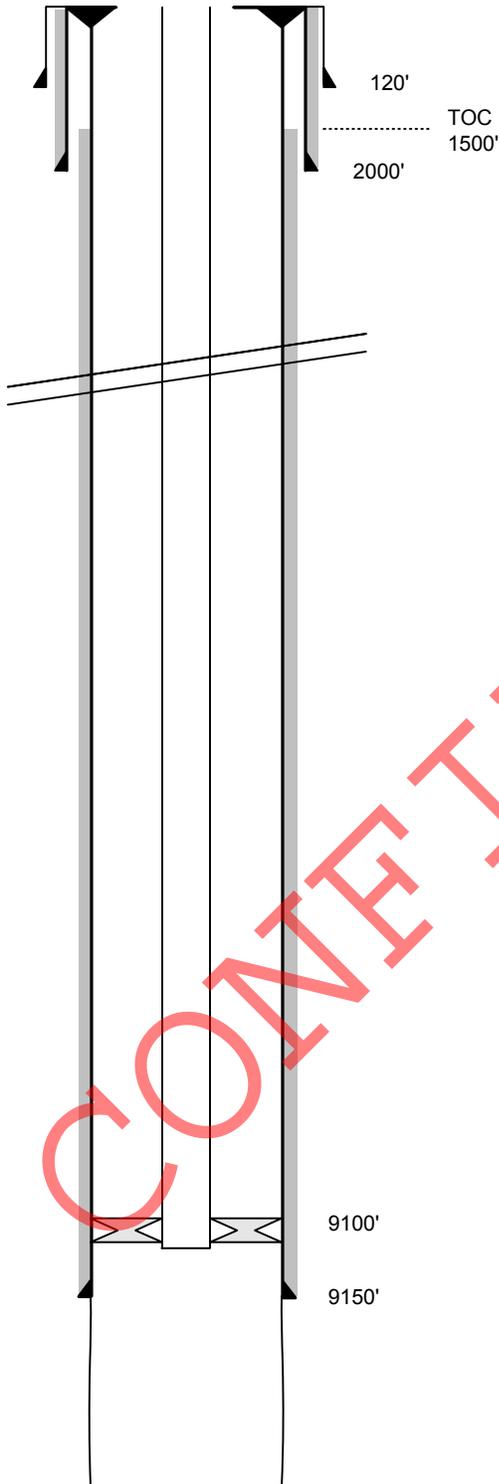




Covenant SWD-2
API# 00-000-00000
Covenant Field
Section 7, T23S, R1W
Sevier County, Utah

Ground Elevation: 5,596'
 KB Elevation: 5,618'

(Not to Scale)



Conductor Casing

Size: 20"
 Depth Landed: 120' GL
 Cement Data: Cemented to surface

Surface Casing

10-3/4", 45.5#, J-55, LT&C, 8rd
 Depth Landed 2000' MD
 Cement Data: Cemented to surface

Production Casing

Size/Wt/Grade: 7-5/8", 39#, L-80, LT&C, 8rd
 9150' - 8500' & 6500' - surface
 7-5/8", 39#, P-110, LT&C, 8rd
 8500' - 6500'
 Cement Data: Cemented to 1500'

Tubing

3-1/2" 9.3# L-80 Special Thread fiberglass lined tubing
 to 9100' MD (9028' TVD) w/ Arrowset 1X packer

Navajo Perforations (Open-Hole)

9150' - 10191' MD (9077' - 10118' TVD), open-hole

TD = 10191' MD (10118' TVD)

WOLVERINE GAS AND OIL COMPANY OF UTAH, LLC

Energy Exploration in Partnership with the Environment



November 22, 2011

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 (Utah ePermit #4958)
Covenant SWD #2 well
Surface location in SE4SE4, Section 7, T23S, R1W, SLM
Bottom hole location in SE4SE4, Section 7, T23S, R1W, SLM
Sevier County, Utah

Dear Mrs. Mason:

Wolverine Gas and Oil Company of Utah, LLC (Wolverine) hereby submits this letter with the accompanying e-Permit materials, as part of the *Application for Permit to Drill (APD)* for the referenced well:

- R649-3-2 Exception Plat showing proposed BHL in relation to 400' x 400' window;
- R649-3-11 Directional Drilling Application Plat showing proposed surface location and bottom hole location;

The Town of Sigurd (culinary) will be the source of water during drilling and completion operations on this proposed well. The surface at the planned drill site is owned in fee by Wolverine.

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.

Wolverine Gas and Oil Company of Utah, LLC
5 West Constitution Way, Suite 1140, Richfield, UT 84701. Phone: 435-896-1943

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 Gas and Oil Company of Utah, LLC

Address: 5 West Constitution Way, Suite 1140
Richfield, Utah 84701

Well: Covenant SWD #2

Field: Covenant

Reservoir: Navajo

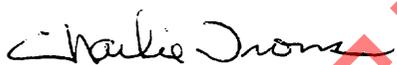
County: Sevier

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.

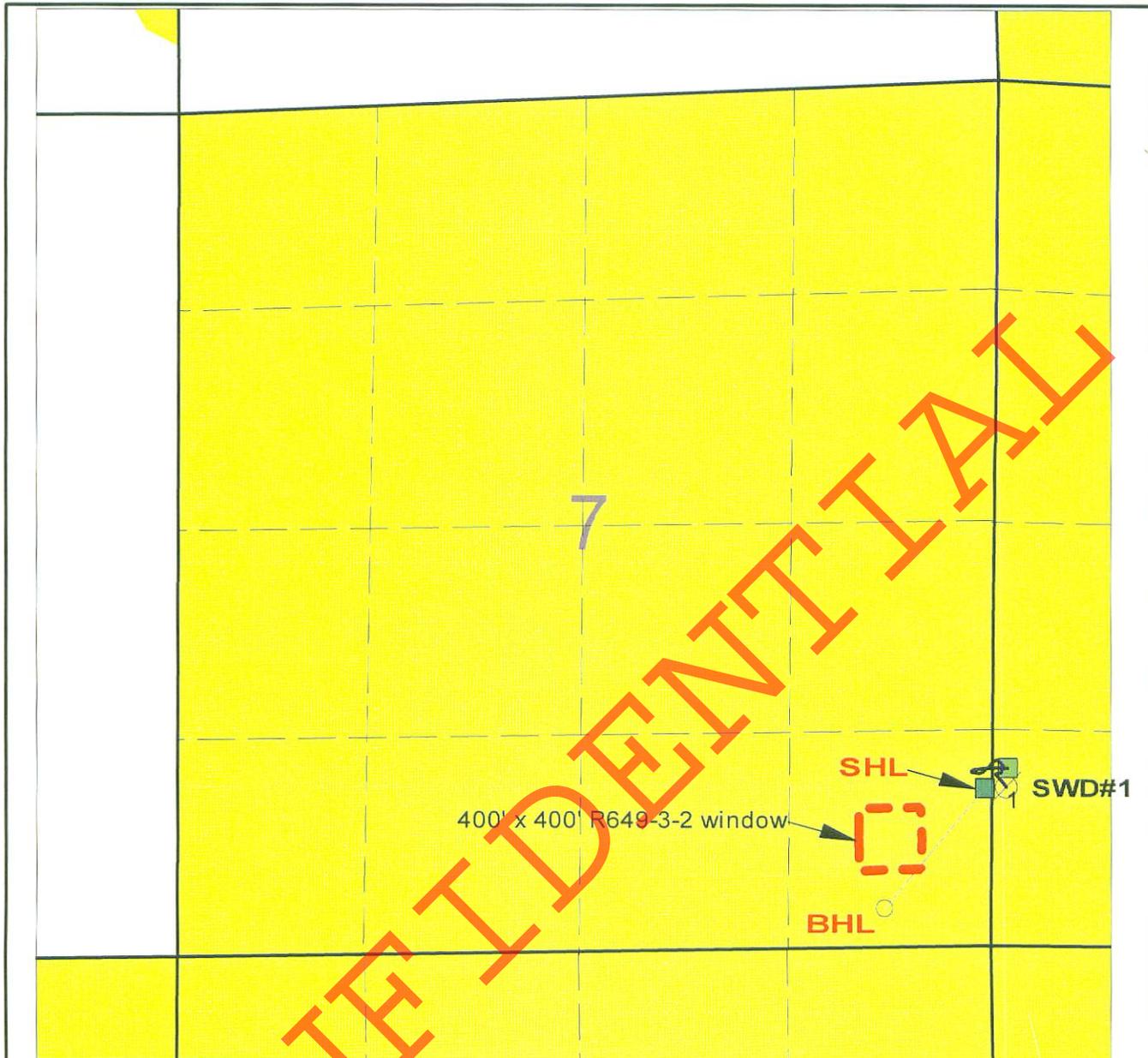
Thank you for consideration of this application. Please feel free to contact me or Paul Spiering of this office if you have any questions or need additional information.

Sincerely,



Charlie Irons
Senior Landman

CONFIDENTIAL



Wolverine Covenant SWD #2 Well Location

SHL: 32' FEL, 951' FSL, SE/4, Sec 7, T23S, R1W, Sevier Co., UT

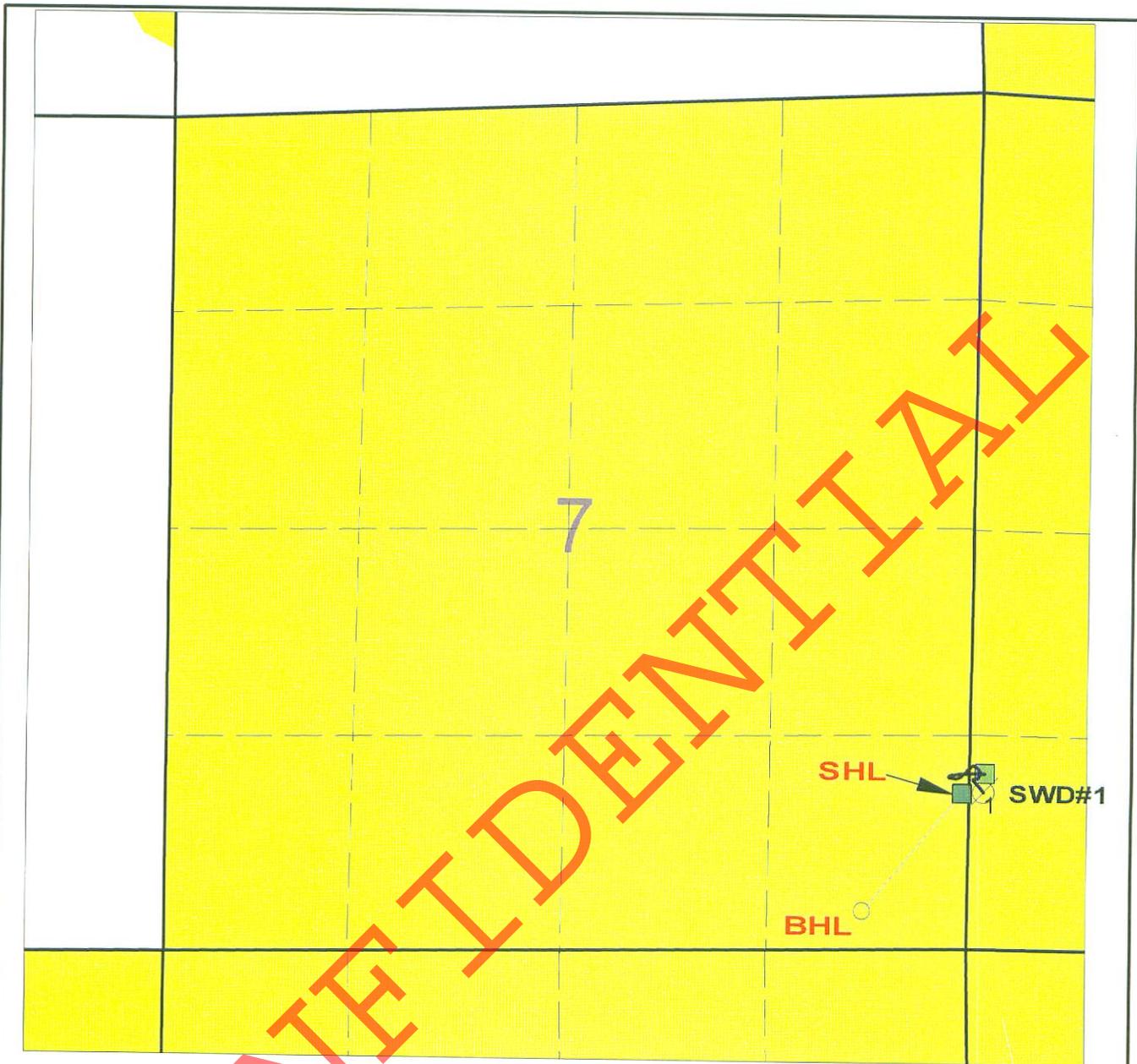
BHL: 649' FEL, 200' FSL, SE/4, Sec 7, T23S, R1W, Sevier Co., UT

 WOLVERINE LEASE

 400' x 400' R649-3-2 window



	<p>WOLVERINE GAS & OIL Company of Utah LLC (Operator) <i>Energy Exploration in Partnership with the Environment</i> ONE RUE FRONT PLAZA 50 CAMPAN, N.W. GRAND RAPIDS, MI 49503-2916 (616) 455-1150</p>
<p>Exception Location and Ownership Plat (R649-3-2)</p>	
<p>Date: 11/21/2011</p>	<p>Author: Mark Letz Filename: Document in mjt painted rock exception and directional plat.dwg</p>



Wolverine Covenant SWD #2 Well Location

SHL: 32' FEL, 951' FSL, SE/4, Sec 7, T23S, R1W, Sevier Co., UT
 BHL: 649' FEL, 200' FSL, SE/4, Sec 7, T23S, R1W, Sevier Co., UT

 WOLVERINE LEASE



	<p>WOLVERINE GAS & OIL Company of Utah, LLC (Operator) <i>Energy Exploration in Partnership with the Environment</i> ONE RIVERFRONT PLAZA 55 CAMPUS, N.W. GRAND RAPIDS, MI 49503-2615 (616) 458-1150</p>
<p>Directional Drilling Application Plat (R649-3-11)</p>	
<p>Date: 11/21/2011</p>	<p>Author: Mark Lutz Filename: Document in M31_11221011_Covenant SWD</p>

Wolverine Gas & Oil Co. of Utah, L.L.C.
LOCATION LAYOUT FOR
WOLVERINE COVENANT SWD #2
SECTION 7, T.23 S., R.1 W., S.L.B.& M.

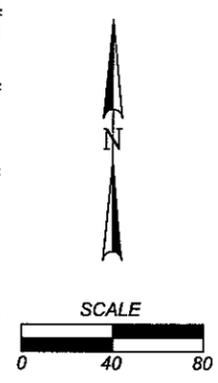
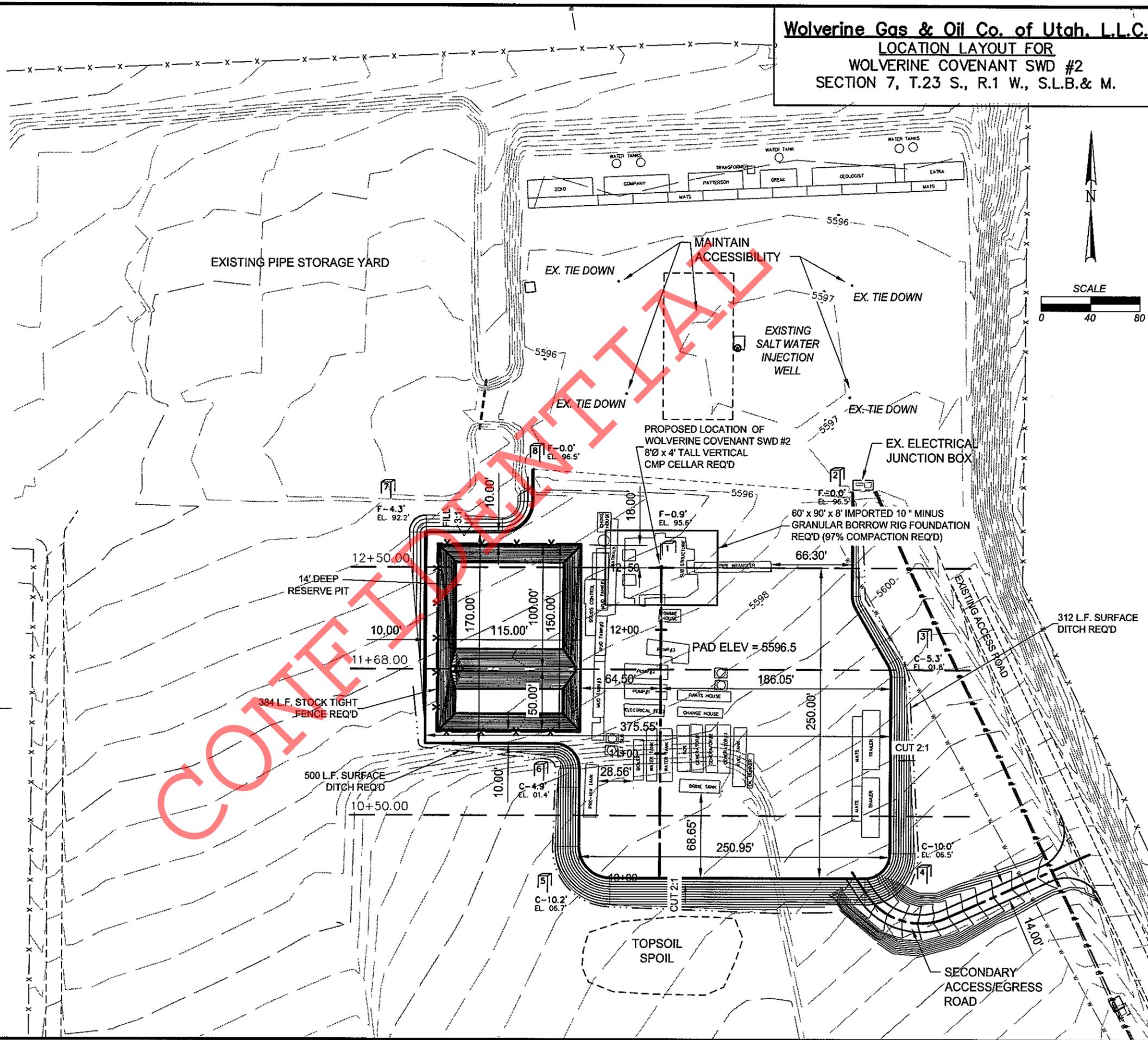
ELEVATION UNGRADED GROUND AT WOLVERINE COVENANT SWD #2 = 5595.6
 ELEVATION FINISHED GROUND AT WOLVERINE COVENANT SWD #2 = 5597.25 (PROPOSED)

LOCATION EARTHWORK VOLUMES

PAD & PIT CUT = 19,990 C.Y.
 PAD FILL (UN-ADJUSTED) = 1,258 C.Y.
 REQ'D PAD FILL (20% SHRINK) = 1,510 C.Y.
 ACCESS ROAD CUT = 1,518 C.Y.
 NET (TOPSOIL & PIT SPOIL) = 19,996 C.Y.

PIT CAPACITY W/2' FREEBOARD = 24,800 BBLs

PAD SURFACE AREA: 2.27 AC.
 PIT SURFACE AREA: 0.40 AC.
 LOCATION DISTURBED AREA (Includes Approx. Spoil pile areas): 3.73 AC.



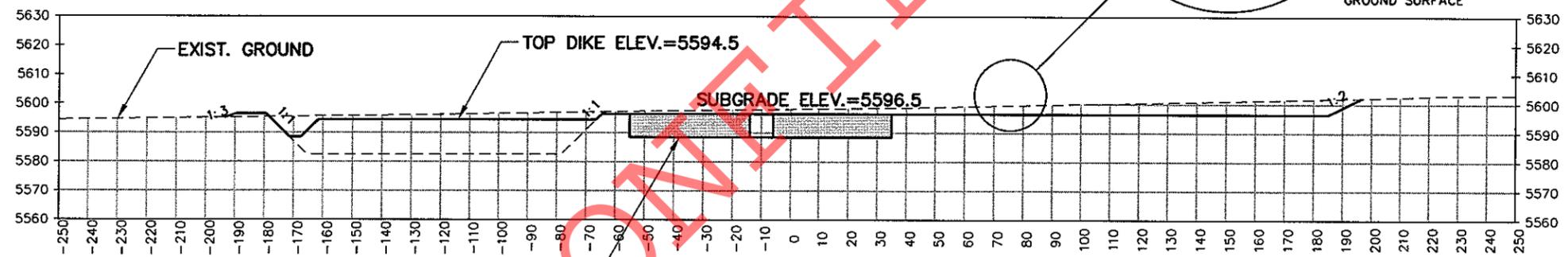
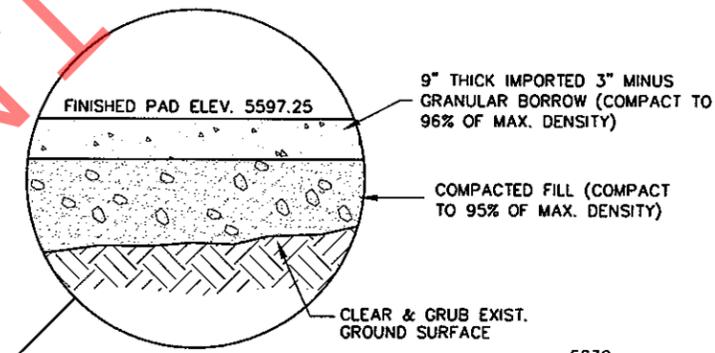
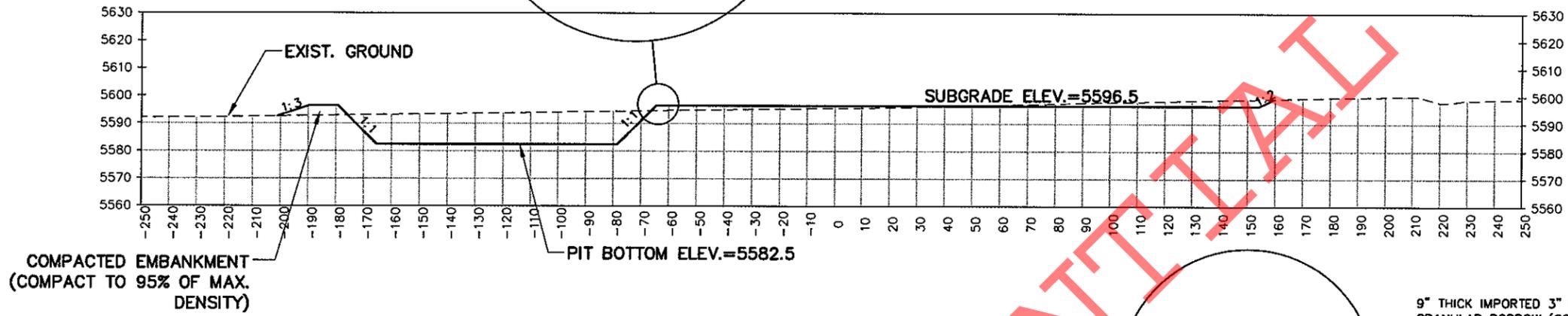
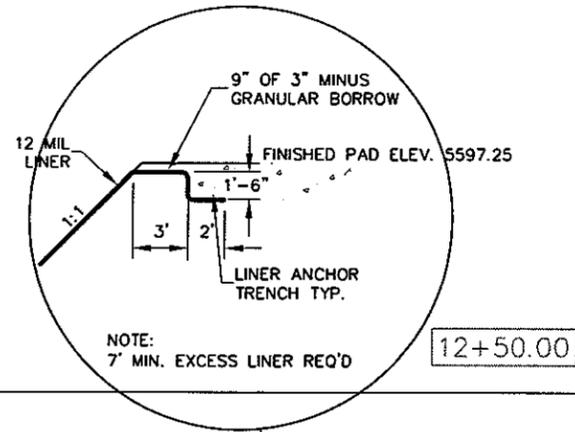
SPOIL PILE AREA

EXIST. PRODUCED WATER POND

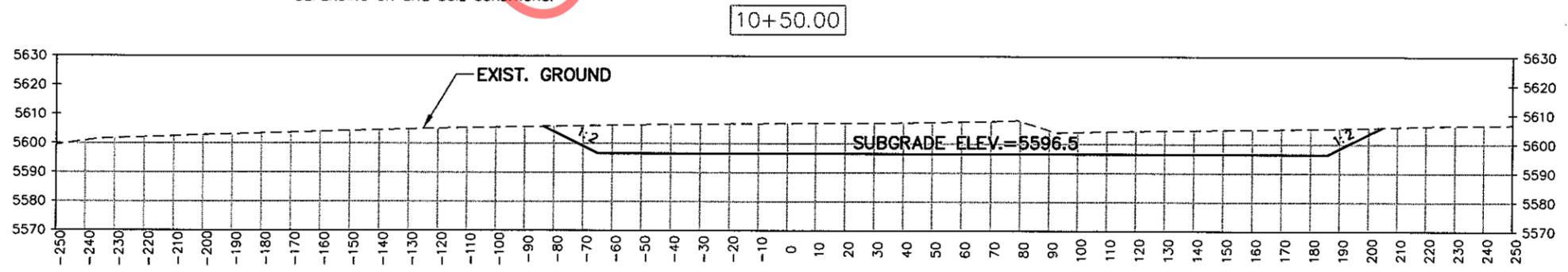
Jones & DeMille Engineering, Inc. CIVIL ENGINEERING - SURVEYING - TESTING GIS - ENVIRONMENTAL 1.800.748.5275 www.jonesanddemi.com		REVIEW DATE: 11-11 BY:
DESIGN: [blank] DRAWN: BILL QUANT: [blank]		CHECK: [blank] CHECK: DR CHECK: [blank]
APPROVAL RECORD: [blank] APPROVED: [blank]		REVISIONS DWG NAME: 2012_SHE_1110-066 DWG CREATED: 11/07/2011 SHT SET: ## PEN TBL: [blank]
Wolverine Gas & Oil Co. of Utah, LLC WOLVERINE COVENANT SWD #2 LOCATION LAYOUT		SCALE: 1"=80' LAST UPDATE: 11/18/2011
PROJECT NUMBER: 1110-066		SHEET NO. PL-01
SEVIER COUNTY		

Wolverine Gas & Oil Co. of Utah, L.L.C.

**CROSS SECTIONS FOR
WOLVERINE COVENANT SWD #2
SECTION 7, T.23 S., R.1 W., S.L.B.& M.**



60x90x8 IMPORTED 10" MINUS GRANULAR BORROW RIG FOUNDATION REQ'D (97% COMPACTION REQ'D) IMPORTED RIG FOUNDATION THICKNESS MAY BE REDUCED BY ON-SITE ENGINEER DEPENDING ON SITE SOIL CONDITIONS.

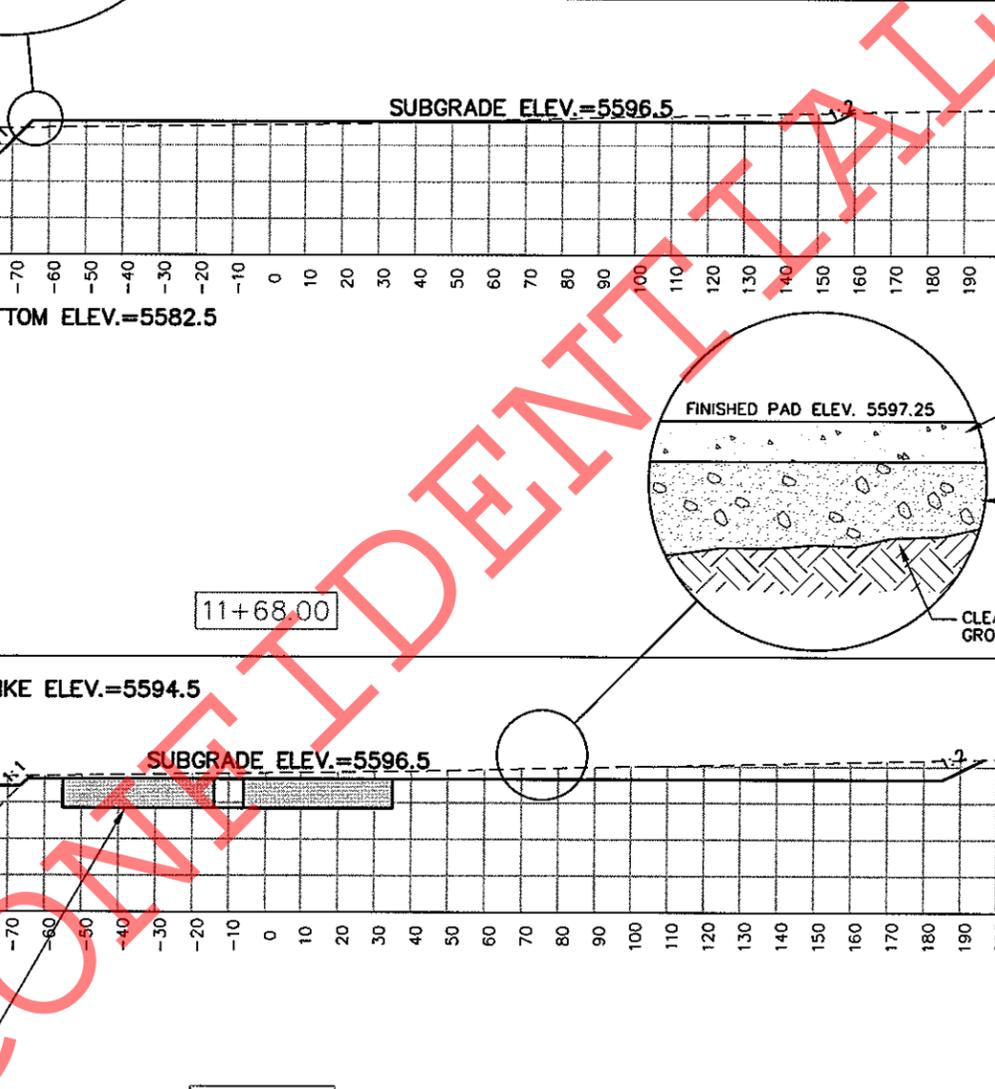


NO.	DATE	REVISIONS	REMARKS

DESIGN	CHECK	DATE	BY

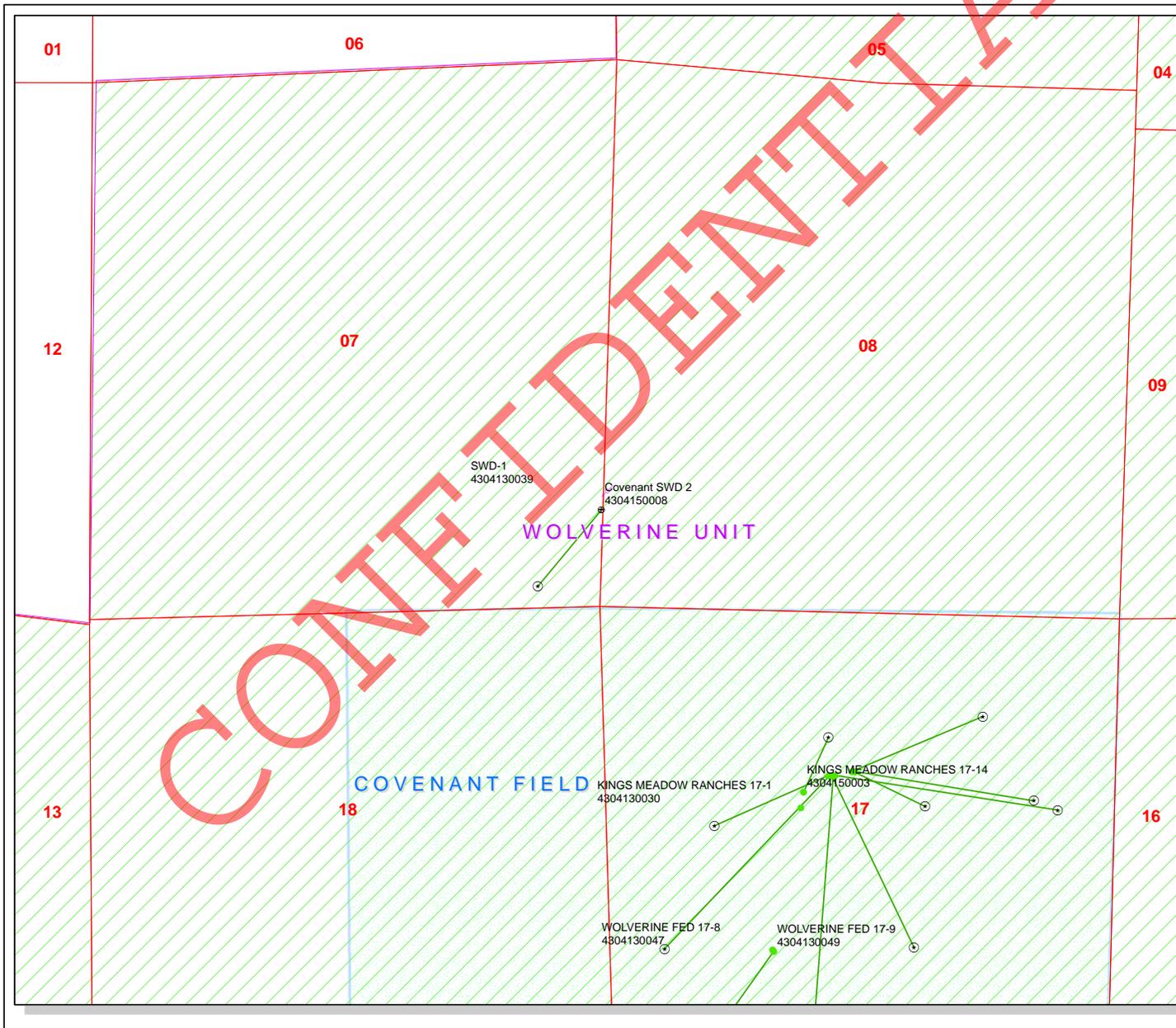
APPROVAL			
RECOMM.			
APPROVER:			
DATE			

Wolverine Gas & Oil Co. of Utah, LLC
 WOLVERINE COVENANT SWD #2
 LOCATION LAYOUT
 PROJECT NUMBER: 1110-066
 SEVIER COUNTY
 SHEET NO. PL-01



REVISIONS
 DWG NAME: 2012_SITE_1110-066
 DWG CREATED: 11/07/2011
 LAST UPDATE: 11/18/2011
 SCALE: 1"=50'
 SHT SET: ###
 PEN TBL: ###

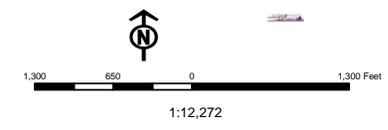
COMPLETED



API Number: 4304150008
Well Name: Covenant SWD 2
Township T2.3 . Range R0.1 . Section 07
Meridian: SLBM
 Operator: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC

Map Prepared:
 Map Produced by Diana Mason

- | Units Status | Wells Query Status |
|----------------------|------------------------------------|
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GMW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LA - Location Abandoned |
| PI OIL | LOC - New Location |
| PP GAS | OPS - Operation Suspended |
| PP GEOTHERM. | PA - Plugged Abandoned |
| PP OIL | PGW - Producing Gas Well |
| SECONDARY | POW - Producing Oil Well |
| TERMINATED | RET - Returned APD |
| Fields Status | SGW - Shut-in Gas Well |
| Unknown | SOW - Shut-in Oil Well |
| ABANDONED | TA - Temp. Abandoned |
| ACTIVE | TW - Test Well |
| COMBINED | WDW - Water Disposal |
| INACTIVE | WW - Water Injection Well |
| STORAGE | WSW - Water Supply Well |
| TERMINATED | |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

December 2, 2011

Memorandum

To: Field Office Manger, Richfield Field Office
From: Michael Coulthard, Petroleum Engineer
Subject: 2011 Plan of Development Wolverine Unit
Sanpete and Sevier County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following disposal well is planned for calendar year 2011 within the Wolverine Unit, Sevier County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

Proposed PZ NAVAJO)

43-041-50008	Covenant SWD 2 Sec 07 T23S R01W 0951 FSL 0032 FEL	BHL Sec 07 T23S R01W 0200 FSL 0649 FEL
--------------	---	--

This office has no objection to permitting the well at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.12.02 08:16:13 -07'00'

bcc: File - Wolverine Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:12-2-11

RECEIVED: December 02, 2011



WOLVERINE GAS & OIL COMPANY

Location: UTAH Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)
 Field: SEVIER COUNTY UTM Zone Well: WOLVERINE COVENANT SWD #2
 Facility: SEC.07-T23S-R1W Wellbore: WOLVERINE COVENANT SWD #2 PWB

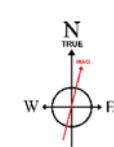
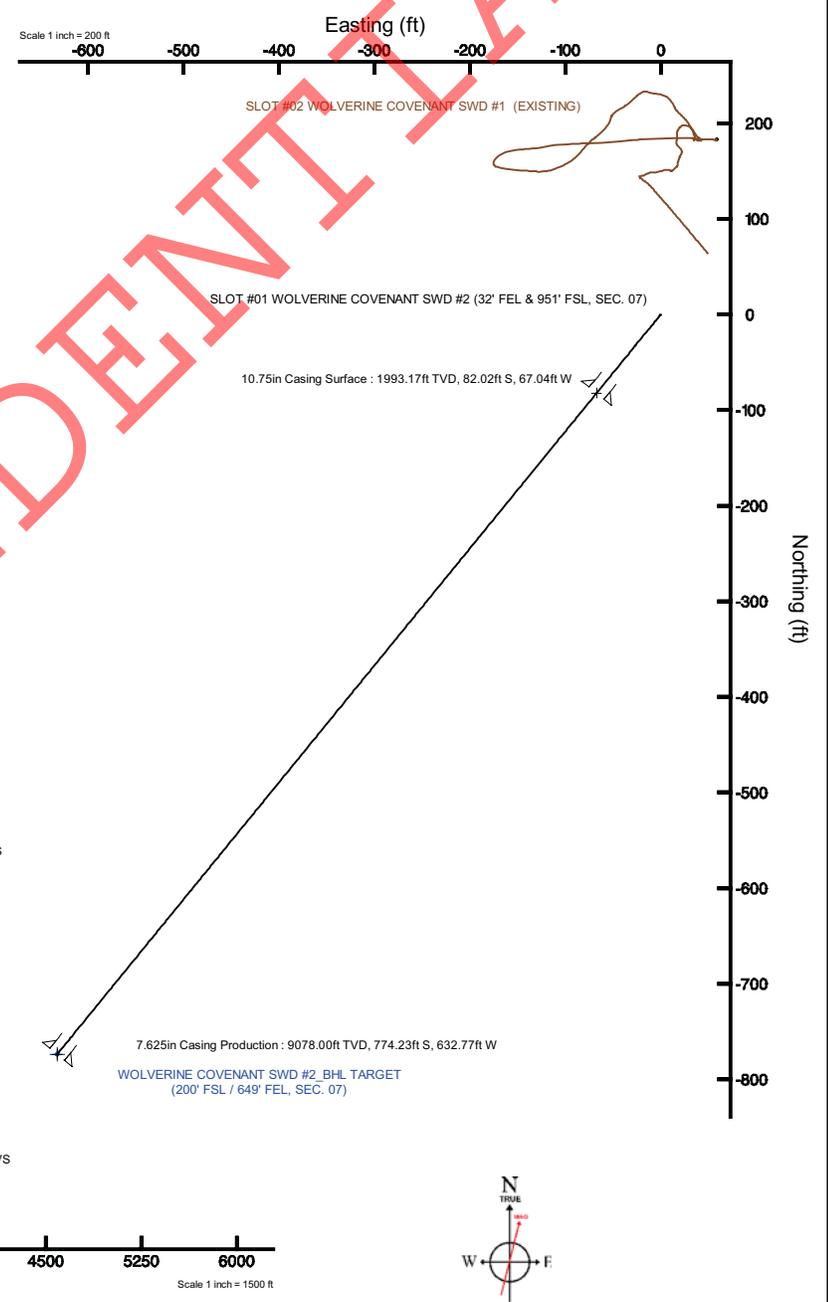
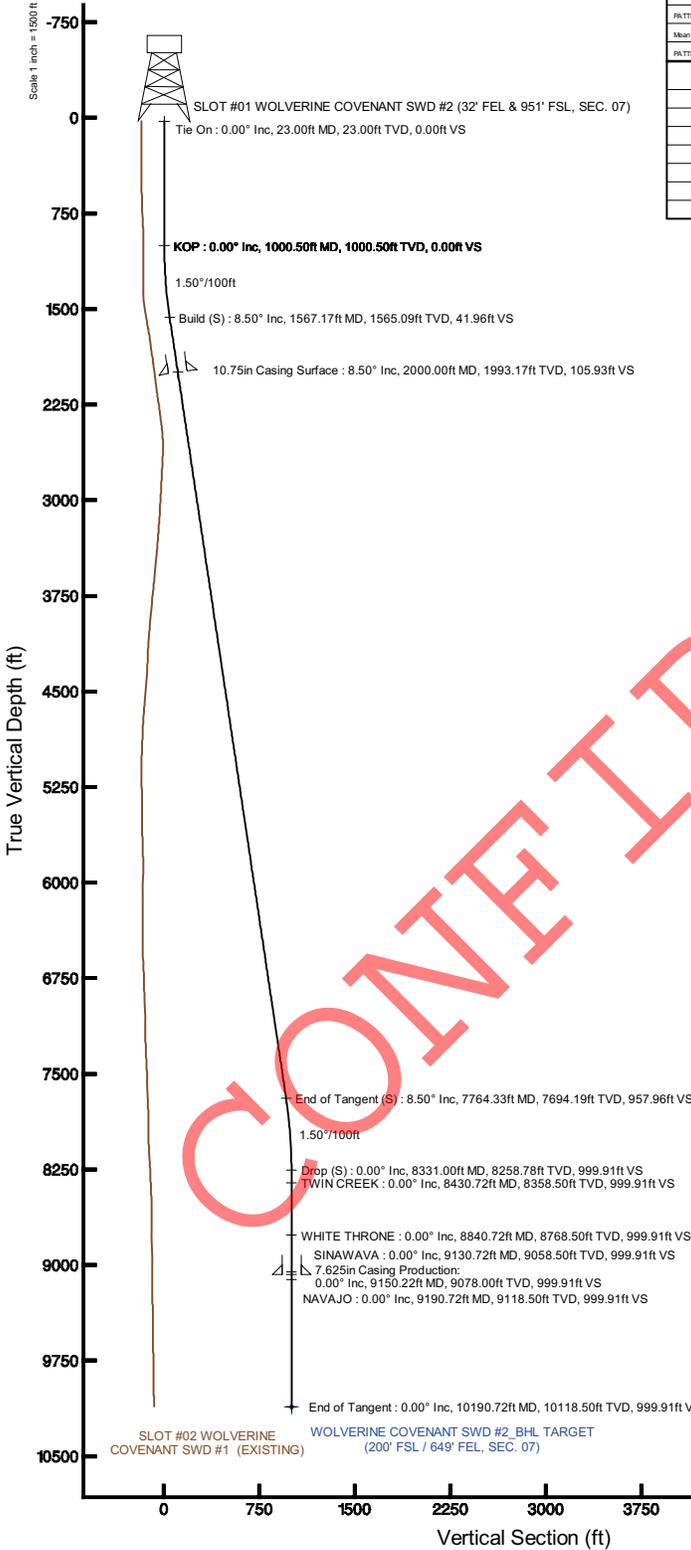
Plot reference wellpath is WOLVERINE COVENANT SWD #2 (REV-A.0) PWP	
True vertical depths are referenced to PATTERSON 304 (RKB)	Grid System: NAD83 / UTM Zone 12 North, US feet
Measured depths are referenced to PATTERSON 304 (RKB)	North Reference: True north
PATTERSON 304 (RKB) to Mean Sea Level: 5618.57 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: doddanna on 11/22/2011

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.07-T23S-R1W	1372045.600	14095836.671	38°48'45.915"N	111°56'31.817"W
Slot	Local N (ft)	Local E (ft)	Latitude	Longitude
SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)	0.00	0.00	38°48'45.915"N	111°56'31.817"W
PATTERSON 304 (RKB) to Mud line (At Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07))	5618.57ft			
Mean Sea Level to Mud line (At Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07))	0ft			
PATTERSON 304 (RKB) to Mean Sea Level	5618.57ft			

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	23.00	0.000	219.259	23.00	0.00	0.00	0.00	0.00
KOP	1000.50	0.000	219.259	1000.50	0.00	0.00	0.00	0.00
Build (S)	1567.17	8.500	219.259	1565.09	-32.49	-26.55	1.50	41.96
End of Tangent (S)	7764.33	8.500	219.259	7694.19	-741.74	-606.22	0.00	957.96
Drop (S)	8331.00	0.000	219.259	8258.78	-774.23	-632.77	1.50	999.91
End of Tangent	10190.72	0.000	219.259	10118.50	-774.23	-632.77	0.00	999.91



BGGM (1945.0 to 2012.0) Dip: 64.42° Field: 51273.1 nT
 Magnetic North is 11.81 degrees East of True North (at 11/21/2011)
 To correct azimuth from Magnetic to True add 11.81 degrees
 For example: if the Magnetic North Azimuth = 90 degs, then the True North Azimuth = 90 + 11.81 = 101.81

Well Name	WOLVERINE GAS & OIL COMPANY OF UTAH, LLC Covenant SWD 2 43			
String	SURF	Prod		
Casing Size(")	10.750	7.625		
Setting Depth (TVD)	1993	9078		
Previous Shoe Setting Depth (TVD)	0	1993		
Max Mud Weight (ppg)	8.6	10.2		
BOPE Proposed (psi)	0	5000		
Casing Internal Yield (psi)	3130	9180		
Operators Max Anticipated Pressure (psi)	4452	9.4		

Calculations	SURF String	10.750	"	
Max BHP (psi)	.052*Setting Depth*MW=	891		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	652	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	453	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	453	NO	Reasonable depth in area
Required Casing/BOPE Test Pressure=		1993	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

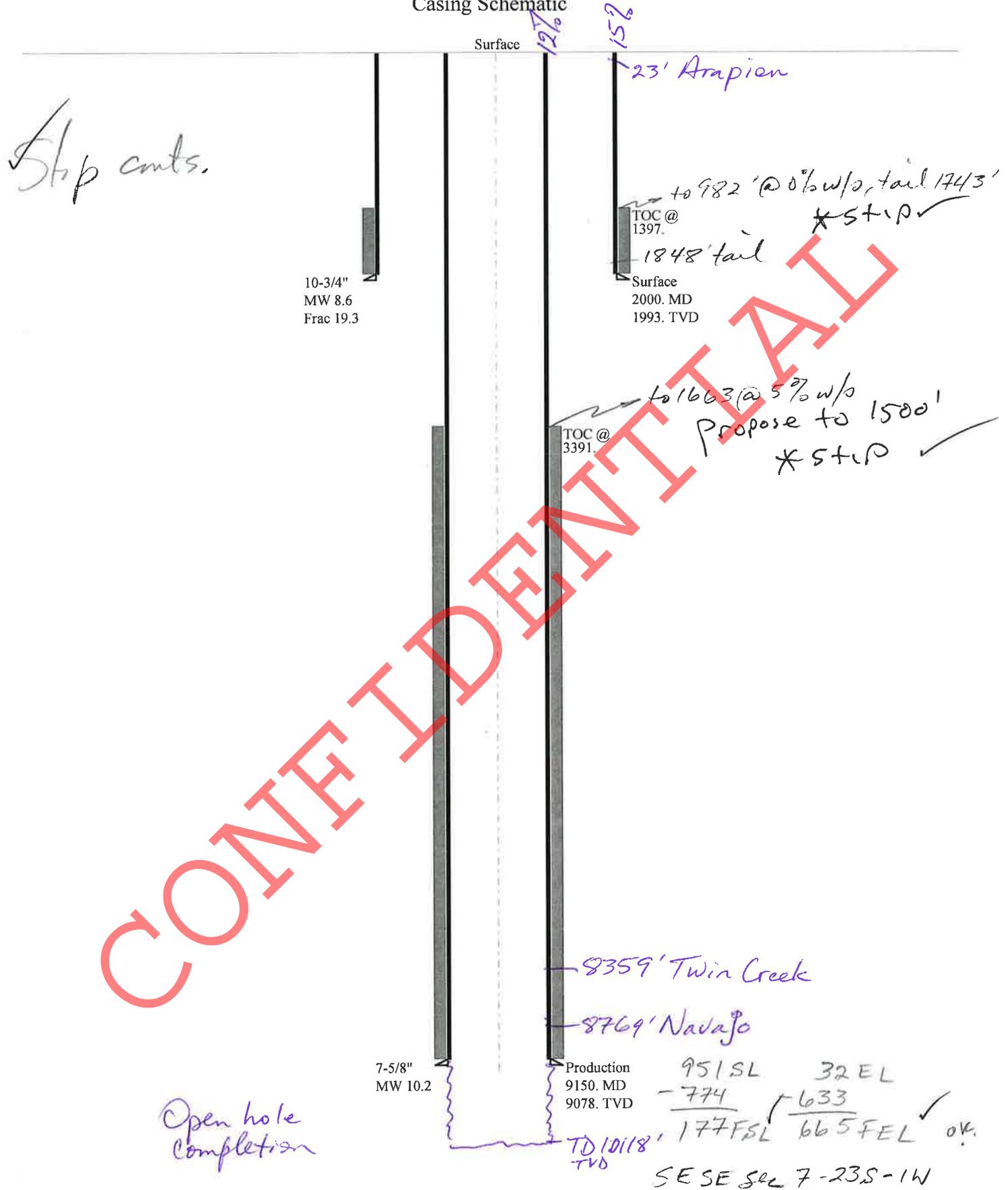
Calculations	Prod String	7.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	4815		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3726	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2818	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3256	NO	Reasonable
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		1993	psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

43041500080000 Covenant SWD 2

Casing Schematic



Stop cuts.

23' Arapion

to 982' @ 0% w/p, tail 1743' *stop ✓

TOC @ 1397. 1848' tail

10-3/4" MW 8.6 Frac 19.3

Surface 2000. MD 1993. TVD

to 1663' @ 5% w/p Propose to 1500' *stop ✓

TOC @ 3391.

CONFIDENTIAL

8359' Twin Creek

8769' Navajo

7-5/8" MW 10.2

Production 9150. MD 9078. TVD

951 SL	32 EL
- 774	- 633
177 FSL	665 FEL ✓

Open hole completion

TD 10118' TVD

SE SE sec 7-23S-1W

Well name:	43041500080000 Covenant SWD 2		
Operator:	WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		
String type:	Surface	Project ID:	43-041-50008
Location:	SEVIER COUNTY		

Design parameters:

Collapse

Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 102 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 1,397 ft

Burst

Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,999 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 1,746 ft

Directional well information:

Kick-off point 1001 ft
Departure at shoe: 106 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 8.5 °

Re subsequent strings:

Next setting depth: 9,078 ft
Next mud weight: 10.200 ppg
Next setting BHP: 4,810 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure: 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2000	10.75	40.50	J-55	ST&C	1993	2000	9.925	17370
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	890	1580	1.774	1999	3130	1.57	80.7	420	5.20 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: February 2, 2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1993 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43041500080000 Covenant SWD 2		
Operator:	WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		
String type:	Production	Project ID:	43-041-50008
Location:	SEVIER COUNTY		

Design parameters:

Collapse

Mud weight: 10.200 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,813 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 4,810 psi

 No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Tension is based on air weight.
 Neutral point: 7,768 ft

Estimated cost: 135,529 (\$)

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 201 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft

Cement top: 3,391 ft

Directional well information:

Kick-off point: 1001 ft
 Departure at shoe: 1000 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
3	6500	7.625	39.00	L-80	LT&C	6444	6500	6.5	95453
2	2000	7.625	39.00	P-110	LT&C	8428	8500	6.5	30532
1	650	7.625	39.00	L-80	LT&C	9078	9150	6.5	9545

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
3	3414	8503	2.490	4231	9180	2.17	354	786	2.22 J
2	4466	11018	2.467	4667	12620	2.70	102.7	1066	10.38 J
1	4810	8820	1.834	4810	9180	1.91	25.4	786	31.01 J

Prepared by: Helen Sadik-Macdonald
 Div of Oil, Gas & Mining

Phone: 801 538-5357
 FAX: 801-359-3940

Date: February 2, 2012
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9078 ft, a mud weight of 10.2 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Berm Required? Y

Berm location to prevent spills from leaving pad.

Erosion Sedimentation Control Required? N

Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	TDS>5000 and	10
Drill Cuttings	Salt or Detrimental	10
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		55

1 Sensitivity Level

Characteristics / Requirements

Dugout earthen (170 x 115 x 10).

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? N

Other Observations / Comments

Mark Jones
Evaluator

12/12/2011
Date / Time

Application for Permit to Drill Statement of Basis

2/2/2012

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4958	43041500080000	LOCKED	WD	P	No
Operator	WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		Surface Owner-APD	Wolverine Gas and Oil Corporation	
Well Name	Covenant SWD 2		Unit	WOLVERINE	
Field	UNDESIGNATED		Type of Work	DRILL	
Location	SESE 7 23S 1W S 951 FSL 32 FEL GPS Coord (UTM) 418200E 4296419N				

Geologic Statement of Basis

This location is in the High Plateaus section of the Colorado Plateau in west-central Utah. This area is characterized as being within the Basin and Range-Colorado Plateau transition zone. The location is on fee acreage a few miles east of the Sevier River, in the Peterson Creek drainage which is a tributary of Brine Creek. Water rights are allocated from the local springs which arise from the volcanic rocks to the east.

The well will spud in the thin veneer of Quaternary Alluvium covering the evaporites-rich Jurassic age Arapien Shale. The proposed drilling program calls for fresh water drilling fluid from 0'-2000'. Any water contained within the Arapien Shale is likely to be of poor quality, due to high TDS from the large quantities of gypsum and halite present in the shale. No documented USDW are present in the area from the Arapien Shale, Twin Creek Limestone, or Navajo Sandstone, it is unlikely that any high quality groundwater will be encountered. The proposed mud, drilling, casing, and cementing programs should be sufficient to control and isolate the poor quality groundwater expected to be encountered at this well location. Within a mile of the location one underground water right which is owned by Wolverine Gas and Oil Corp. the well draws water from 100'-300'. Several surface water rights are also in the area.

Brad Hill
APD Evaluator

1/18/2012
Date / Time

Surface Statement of Basis

The staked location is proposed on Wolverine surface at the Central Processing Facility in Sigurd, Utah. Topography is relatively flat with some slight variations in elevation. Most of the area has been disturbed previously during construction activities while preparing the site for the CPF. The area drains to the northwest. No drainages will be affected by the proposed well pad, however, drainage diversion for run-off should be provided around the well pad as part of the excavation work. The pit should be lined with a 16 mil. (minimum) synthetic liner as required by pit liner criteria score ranking. This liner should be installed and maintained properly throughout pit life. Drill cuttings should be monitored for salt content to determine disposal method at time of pit closure.

Mark Jones
Onsite Evaluator

12/12/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

RECEIVED: February 02, 2012

**Application for Permit to Drill
Statement of Basis**

2/2/2012

Utah Division of Oil, Gas and Mining

Page 2

Surface

The well site shall be bermed to prevent fluids from leaving the pad.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/23/2011

API NO. ASSIGNED: 43041500080000

WELL NAME: Covenant SWD 2

OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC (N1655)

PHONE NUMBER: 435 896-1943

CONTACT: Charles Irons

PROPOSED LOCATION: SESE 07 230S 010W

Permit Tech Review:

SURFACE: 0951 FSL 0032 FEL

Engineering Review:

BOTTOM: 0200 FSL 0649 FEL

Geology Review:

COUNTY: SEVIER

LATITUDE: 38.81275

LONGITUDE: -111.94218

UTM SURF EASTINGS: 418200.00

NORTHINGS: 4296419.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: Patented

PROPOSED PRODUCING FORMATION(S): NAVAJO

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - B001849R
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Town of Sigurd
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason
5 - Statement of Basis - bhill
12 - Cement Volume (3) - ddoucet
15 - Directional - dmason
25 - Surface Casing - hmacdonald

RECEIVED: February 02, 2012



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Covenant SWD 2
API Well Number: 43041500080000
Lease Number: Patented
Surface Owner: FEE (PRIVATE)
Approval Date: 2/2/2012

Issued to:

WOLVERINE GAS & OIL COMPANY OF UTAH, LLC, 1140 N. Centennial Park Dr., Richfield, UT 84701

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the NAVAJO 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:

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

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 7 5/8" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1500' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

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

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

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:

Approved by:

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company; WOLVERINE GAS & OIL COMPANY OF UTAH

Well Name: COVENANT SWD 2

Api No: 43-041-50008 Lease Type FEE

Section 07 Township 23S Range 01W County SEVIER

Drilling Contractor PETE MARTIN DRILLING RIG # BUCKET

SPUDDED:

Date 02/23/2012

Time _____

How DRY

**Drilling will
Commence:**

Reported by BILL DONOVAN

Telephone # (720) 351-7470

Date 02/24 /2012 Signed CHD

Carol Daniels - Covenant SWD 2 Update

T235 R01W 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...
Date: 2/24/2012 6:11 AM
Subject: Covenant SWD 2 Update

2/24/2012 6:06 AM

Drilling 30" hole for 20" conductor. Encountered water at 35'. Stopped drilling at 50' due to wet cuttings and hole conditions.

Plan to drill with mud and set conductor today.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

RECEIVED

FEB 24 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R 01W 5-07 43-04A 50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 2/24/2012 11:31 PM
Subject: Covenant SWD 2 Update

Camp phones should be functional on Sunday pm.

20" Conductor set at 90' bgl and cemented back to surface, cement did not fall back. Drilling mouse hole tomorrow. Begin receiving back yard tomorrow.

Tom Zupan
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

FEB 24 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 R01W S-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 2/26/2012 6:20 AM
Subject: Covenant SWD 2 Update

2/26/2012 6:16 AM

Set mouse hole, set campers and rigging up ancillaries, laid out rig, put down plastic under rig, received 15 rig loads, spotted a few back yard loads.

Tom Zupan
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

FEB 26 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T235 Ro1415-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 2/27/2012 7:26 AM
Subject: Covenant SWD 2 Update

2/27/2012 6:23 AM

35 rig loads delivered thus far, crown and drill string remain. Entire back yard and sub base is set.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

FEB 27 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 R 01W 5-07. 43-041-5 0008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 2/28/2012 6:46 AM
Subject: Covenant SWD 2 Update

2/28/2012 6:42 AM

Set floor, construct derrick, pin on floor and raised same.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

FEB 28 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T235 RO1W 5-07 43-041-5008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 2/29/2012 7:26 AM
Subject: Covenant SWD 2 Update

2/29/2012 6:59 AM

Will start generators today and fill pits with water

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

FEB 29 2012

DIV. OF OIL, GAS & MINING

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

FORM 6

ENTITY ACTION FORM

Operator: Wolverine Gas & Oil Company of Utah, LLC Operator Account Number: N 1655
 Address: One Riverfront Plaza, 55 Campau NW
city Grand Rapids
state MI zip 49506 Phone Number: (616) 458-1150

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304150008	Covenant SWD 2		SESE	7	23S	1W	Sevier
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18437	2/23/2012		2/29/2012		
Comments: saltwater disposal well NAVA BHL: SESE						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)

Helene Bardolph

Name (Please Print)

Signature

Engineering Assistant

Title

2/29/2012

Date

RECEIVED
FEB 29 2012

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: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Disposal Well		7. UNIT or CA AGREEMENT NAME: WOLVERINE
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		8. WELL NAME and NUMBER: Covenant SWD 2
3. ADDRESS OF OPERATOR: 1140 N. Centennial Park Dr. , Richfield, UT, 84701		9. API NUMBER: 43041500080000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0951 FSL 0032 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S		9. FIELD and POOL or WILDCAT: UNDESIGNATED
		COUNTY: SEVIER
		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: 3/1/2012	<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: <input type="text"/>

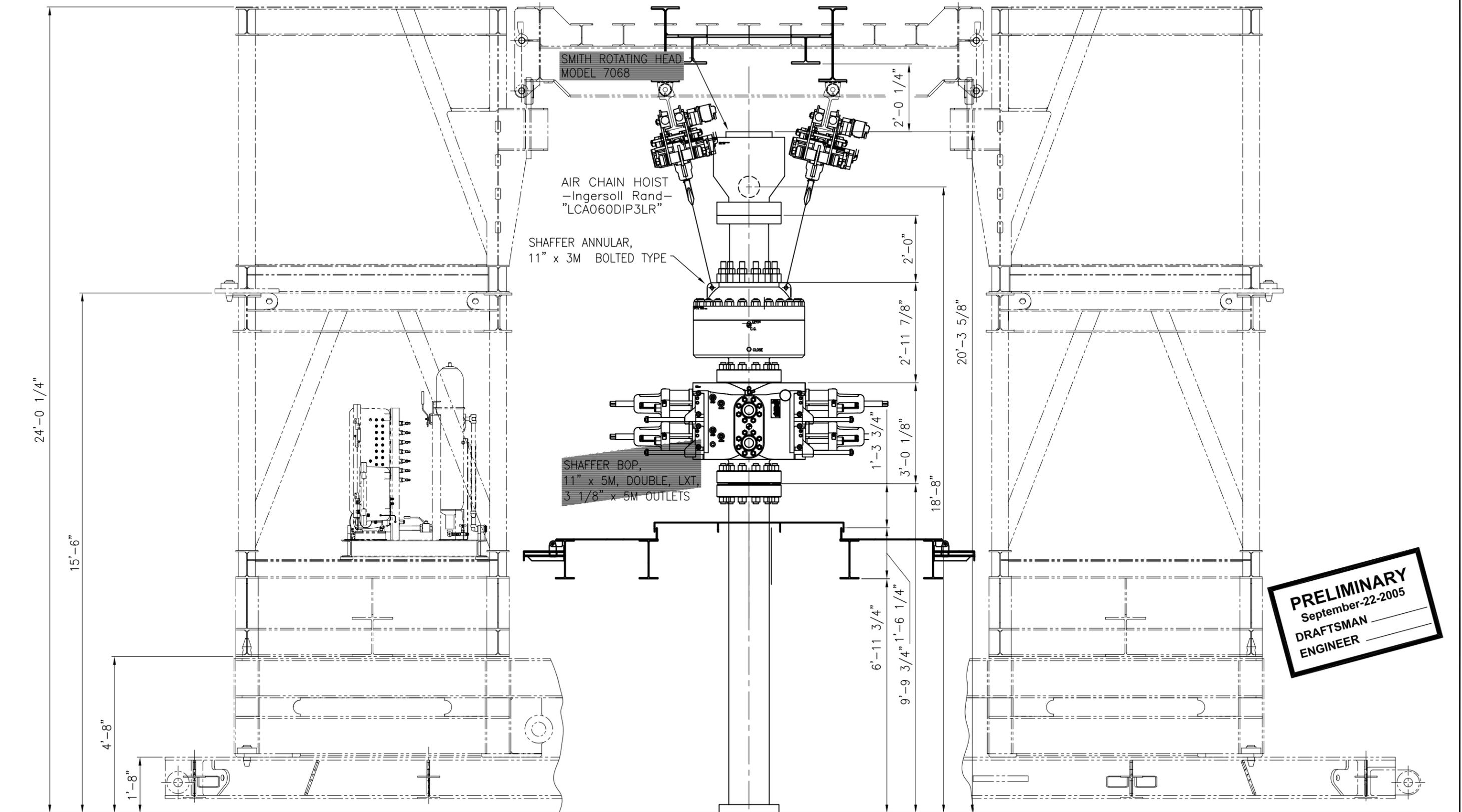
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

In the Drilling Plan submitted with the APD, under Section II. Well Control, we stated that we would use an annular, a double ram BOP and a single ram BOP. This was in the belief that we would be using the Patterson 304 drilling rig, that is no longer available to us. The replacement rig, H&P 280, does not have an additional single (third) ram BOP. We hereby request approval for the change to use the BOP configuration as shown on the attached diagram.

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

Date: March 07, 2012By: *Dark Duff*

NAME (PLEASE PRINT) Charles Irons	PHONE NUMBER 435 896-1943	TITLE Senior Landman
SIGNATURE N/A	DATE 3/1/2012	



PRELIMINARY
 September-22-2005
 DRAFTSMAN _____
 ENGINEER _____

PROPRIETARY
 THIS DRAWING AND THE IDEAS AND INFORMATION INCLUDED IN THIS DRAWING ARE PROPRIETARY AND ARE NOT TO BE REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER, WITHOUT THE PRIOR, WRITTEN CONSENT OF A DULY AUTHORIZED OFFICER OF HELMERICH & PAYNE INT'L DRILLING CO.

HELMERICH & PAYNE
 INTERNATIONAL DRILLING CO.

REV	DATE	DESCRIPTION	BY
△			
△			
△			
△	9/22/05	ADD HOIST AND LABELS	LT

ENGINEERING APPROVAL		DATE	TITLE:
			BOP HOSE LAYOUT ELEVATION VIEW
CUSTOMER: H&P			
PROJECT: FlexRig4S			
DRAWN: RAY	DATE: 22 July 05	DWG. NO.:	REV:
SCALE: 1/2"=1'-0"	SHEET: 2 OF 2	F4S-H-260	A

RECEIVED: Mar. 01, 2012

Carol Daniels - Covenant SWD 2 Update *T 235 R01W 507 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/1/2012 7:00 AM
Subject: Covenant SWD 2 Update

3/1/2012 6:57 AM

Continue RU, TDS and floor ready.

Steve Carmack
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED
MAR 01 2012
DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 735 R014 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
 To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...
 Date: 3/6/2012 6:54 AM
 Subject: Covenant SWD 2 Update

3/6/2012 6:51 AM

Slide drilling at 1592'.

P-rate is slower.

				ESTIMATED SCHEDULE	
					
DATE	DAY	START TIME	HR	DESCRIPTION	EQUIPMENT
6-Mar	Tuesday	18:00	26.00	Drill 1590-2000 ft	Call Frank's casing crew. Call UDOGM.
7-Mar	Wednesday	20:00	2.00	Circulate and condition hole for wiper trip.	
		22:00	4.00	Wiper trip to DC's.	
8-Mar	Thursday	2:00	2.00	Circulate and condition hole for casing.	Call Schlumberger cements.
		4:00	2.00	Pull out of hole for liner to shoe, stand back all tubulars.	
		6:00	4.00	RU laydown truck and LD BHA	
		10:00	4.00	RU Casing Crew and Run Casing.	
		14:00	2.00	Circulating for cement and RU cements.	
9-Mar	Friday	16:00	3.00	Cement casing.	
		19:00	6.00	Wait on Cement, cut off conductor.	Call IPS, FMC, Weider, Zeco
		1:00	4.00	Cut casing and weld on Braden Head.	
		5:00	3.00	Nipple up B section and spacer spools.	
		8:00	6.00	BOP test	
		14:00			

Tom Zupan
 Drilling Supervisor
 Wolverine Gas & Oil Company of Utah, LLC
 Covenant SWD 2, AFE 255
 API 43-041-50008, Sevier County, UT
 Rig (970) 361-3276
 Cell (970) 314-8219
 wolvexpl@drillmail.net

RECEIVED

MAR 06 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 R 01 W 5-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/5/2012 6:14 AM
Subject: Covenant SWD 2 Update

3/5/2012 6:10 AM

Sliding to build angle at 1238'

ESTIMATED SCHEDULE				
DATE	DAY	START TIME	HR	DESCRIPTION
4-Mar	Sunday	20:30	45.00	Drill 1000-2000 ft
6-Mar	Tuesday	17:30	2.00	Circulate and condition hole for wiper trip.
		19:30	4.00	Wiper trip to DC's.
		23:30	2.00	Circulate and condition hole for casing.
7-Mar	Wednesday	1:30	2.00	Pull out of hole for liner to shoe, stand back all tubulars.
		3:30	4.00	RU laydown truck and LD BHA
		7:30	4.00	RU Casing Crew and Run Casing.
		11:30	2.00	Circulating for cement and RU cementers.
		13:30	3.00	Cement casing.
		16:30	6.00	Wait on Cement, cut off conductor.
		22:30	4.00	Cut casing and weld on Braden Head.
8-Mar	Thursday	2:30	3.00	Nipple up B section and spacer spools.
		5:30	6.00	BOP test
		11:30		

Tom Zupan
 Drilling Supervisor
 Wolverine Gas & Oil Company of Utah, LLC
 Covenant SWD 2, AFE 255
 API 43-041-50008, Sevier County, UT
 Rig (970) 361-3276
 Cell (970) 314-8219
 wolvexpl@drillmail.net

RECEIVED
MAR 06 2012
 DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T23S ROWS-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "'Daniels, Carol'" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/4/2012 6:11 AM
Subject: Covenant SWD 2 Update

3/4/2012 6:09 AM

Drilling at 784'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

MAR 06 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update - NOTICE OF SPUD

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...
Date: 3/3/2012 7:03 AM
Subject: Covenant SWD 2 Update - NOTICE OF SPUD
CC: "Ed Higuera" <ehiguera@wolvgas.com>, "Irons, Charlie" <cirons@wolvgas....

3/3/2012 6:59 AM

API Well Number: 43041500080000 *T 235 ROW 5-07*

The Covenant SWD-2 Well was Spud with 14 3/4" hole at a depth of 114' at 10:30 am, 2/2/2012.

Currently drilling at 320'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

MAR 06 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 R01W 5-07 43-041-5008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/7/2012 6:55 AM
Subject: Covenant SWD 2 Update

3/7/2012 6:53 AM

Lost circulation at 1734', prep to trip out to rack back directional tools.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

~~RECEIVED
MAR 07 2012~~

RECEIVED
MAR 07 2012
DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 ROIW S-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/8/2012 6:34 AM
Subject: Covenant SWD 2 Update

3/8/2012 6:32 AM

Trip in with packed BHA.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

MAR 08 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *TABS ROW 5-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/9/2012 7:13 AM
Subject: Covenant SWD 2 Update

3/9/2012 7:09 AM

Working pipe at 1469', while building mud volume.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED
MAR 09 2012
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
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: WOLVERINE
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: Covenant SWD 2
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC	9. API NUMBER: 43041500080000
3. ADDRESS OF OPERATOR: 1140 N. Centennial Park Dr. , Richfield, UT, 84701	PHONE NUMBER: 435 896-1943 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0951 FSL 0032 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: SEVIER
	STATE: UTAH

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

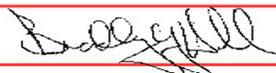
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/28/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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 type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Waive berm requirement"/>

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

Please see attachment.

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

Date: March 12, 2012

By: 

NAME (PLEASE PRINT) Charles Irons	PHONE NUMBER 435 896-1943	TITLE Senior Landman
SIGNATURE N/A	DATE 2/28/2012	

APD #4958

API #4304150008

Covenant SWD #2

Wolverine Gas and Oil Company of Utah, LLC

Attachment to Sundry Notice 2-28-12

NOTE: The SWD #2 well pad is adjacent to and south of the existing well pad for the SWD #1.

Reference is made to the Permit to Drill, Covenant SWD #2, approved 2/2/2012, which contains a requirement as a Condition of Approval that "the well site shall be bermed to prevent fluids from leaving the pad." In a meeting attended by Mark Jones, UDOGM Onsite Evaluator, Tony Cook, Wolverine Production Manager, Kyle Cox, Badlanderz Construction, and Charlie Irons, Wolverine Land Office, on 2/28/2012, the matter of optimal location of a berm was discussed and the following conclusion was reached:

-Because the south end and most of the east and west sides of the SWD #2 pad are in cut, a berm would not be necessary at these locations. Therefore the containment of the north end of the pad was the issue, and the two options were whether to install a berm directly across the north end of this pad, or whether to install an all-encompassing berm on the west, north and east sides of the SWD #1 pad. It was agreed that either option would be very difficult at this time and would interfere with drilling and other activities. Also, due to 24-hour presence on location, the probability of an uncontrolled spill is remote. Further, due to the existing drainage and containment system that was installed during construction of the Central Production Facility (as a part of the Storm Water Pollution Prevention Plan) on which land the above wells are sited, the need for additional containment is not considered a priority at this time.

-Wolverine may elect to install an all-encompassing berm at the time of reclamation of the SWD #2 site, but in light of existing drainage control that would not be a requirement.

Wolverine hereby requests a waiver of the berm requirement for this well.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
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:
1. TYPE OF WELL Water Disposal Well		7. UNIT or CA AGREEMENT NAME: WOLVERINE
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		8. WELL NAME and NUMBER: Covenant SWD 2
3. ADDRESS OF OPERATOR: 1140 N. Centennial Park Dr. , Richfield, UT, 84701		9. API NUMBER: 43041500080000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0928 FSL 0044 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S		9. FIELD and POOL or WILDCAT: UNDESIGNATED
		COUNTY: SEVIER
		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: 2/29/2012	<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: <input type="text"/>

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

Wolverine hereby requests approval of changing the Surface Hole Location of the Covenant SWD #2, as shown on the attached revised well location plat. New surface location is to be 928' FSL, 44' FEL, Section 7, T23S, R1W, SLM. The reason for the change is that the original location was built to accommodate the Patterson 304 drilling rig, which is no longer available. A new rig was acquired (H&P 280) that has different set-back requirements from the edge of reserve pit. Because the pit is in place and can't be moved there is no alternative but to change the surface location of the well. The Bottom Hole Location has not changed. Included in the attachment is a revised Directional Plan.

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

Date: March 20, 2012

By: *Dark Ount*

NAME (PLEASE PRINT) Charles Irons	PHONE NUMBER 435 896-1943	TITLE Senior Landman
SIGNATURE N/A	DATE 2/29/2012	

Section 7, T.23 S., R.1 W., S.L.B. & M.

PROJECT
Wolverine Gas & Oil Company of Utah, LLC.

WELL LOCATION, LOCATED AS SHOWN IN THE SE 1/4 OF THE SE 1/4 OF SECTION 7, T.23 S., R.1 W., S.L.B. & M. SEVIER COUNTY, UTAH

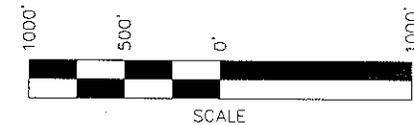
LEGEND

- = SECTION CORNERS LOCATED
- = QUARTER SECTION CORNERS LOCATED
- = PROPOSED SURFACE HOLE LOCATION
- = PROPOSED BOTTOM HOLE LOCATION

NOTE: THE PURPOSE OF THIS SURVEY WAS TO PLAT THE WOLVERINE COVENANT SWD # 2 LOCATION LOCATED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 7, T.23 S., R.1 W., S.L.B. & M. SEVIER COUNTY.

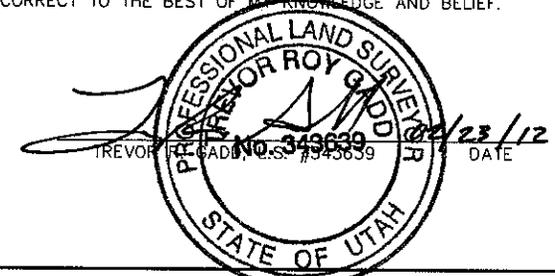
BASIS OF ELEVATION

ELEVATION BASED ON U.S.G.S. BENCH MARK LOCATED IN THE SW 1/4 OF SECTION 17, T.23 S., R.1 W., S.L.B. & M.



CERTIFICATE

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



Jones & Demille Engineering
 1535 South 100 West - Richfield, Utah 84701
 Phone (435) 896-8266
 Fax (435) 896-8268
 www.jonesanddemille.com

Well Location Plat for

Wolverine Gas & Oil Company of Utah, LLC.

DESIGNED	SURVEYED	CHECKED	DRAWN	PROJECT NO.	SHEET NO.
	J.G.C.	T.R.G.	T.R.G.	1110-166	1
DATE		OWG-NAME	SCALE		
02/13/2012		1110-166..	1" = 1000'		

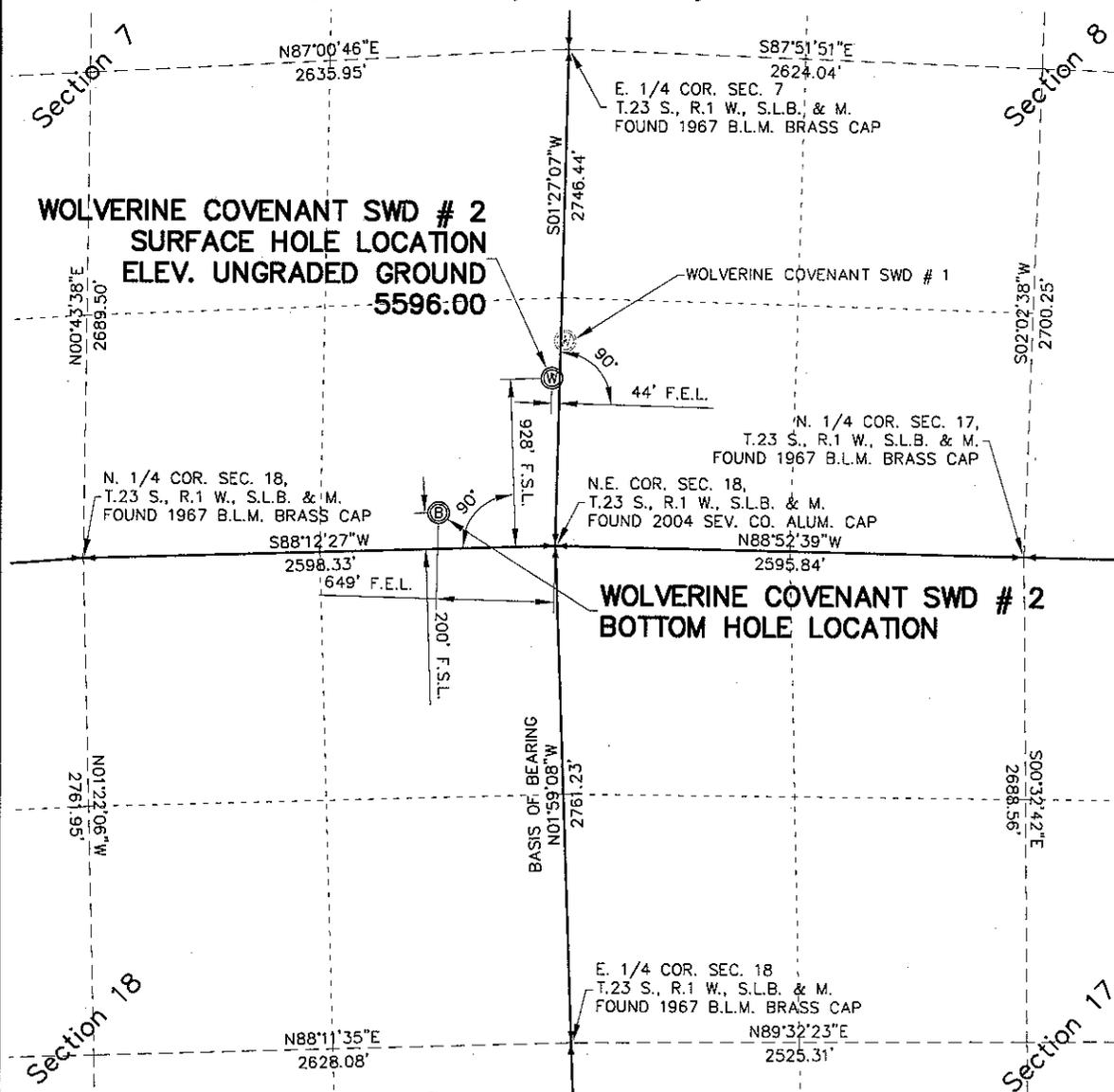
WOLVERINE COVENANT SWD # 2
SURFACE HOLE LOCATION
 ELEV. UNGRADED GROUND
5596.00

WOLVERINE COVENANT SWD # 2
BOTTOM HOLE LOCATION

BASIS OF BEARINGS

BASIS OF BEARING USED WAS N01°59'08"W BETWEEN THE EAST QUARTER CORNER AND THE NORTHEAST CORNER OF SECTION 18 T.23 S., R.1 W., S.L.B. & M.

S.H.L. LAT.: 38°48'45.6855" (38.81269042) NAD 83 - UTM ZONE 12N NAD27 N 14095142.642
 S.H.L. LONG.: -111°56'31.9823" (-111.94221731) NAD 83 - UTM ZONE 12N NAD27 E 1372241.399
 B.H.L. LAT.: 38°48'38.2622" (38.81062839) - UTM ZONE 12N NAD27 N 14094398.294
 B.H.L. LONG.: -111°56'39.8109" (-111.94439192) - UTM ZONE 12N NAD27 E 1371614.205





WOLVERINE GAS & OIL COMPANY

Location: UTAH Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)
 Field: SEVIER COUNTY UTM Zone Well: WOLVERINE COVENANT SWD #2
 Facility: SEC.07-T23S-R1W Wellbore: WOLVERINE COVENANT SWD #2 PWB

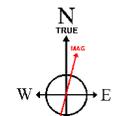
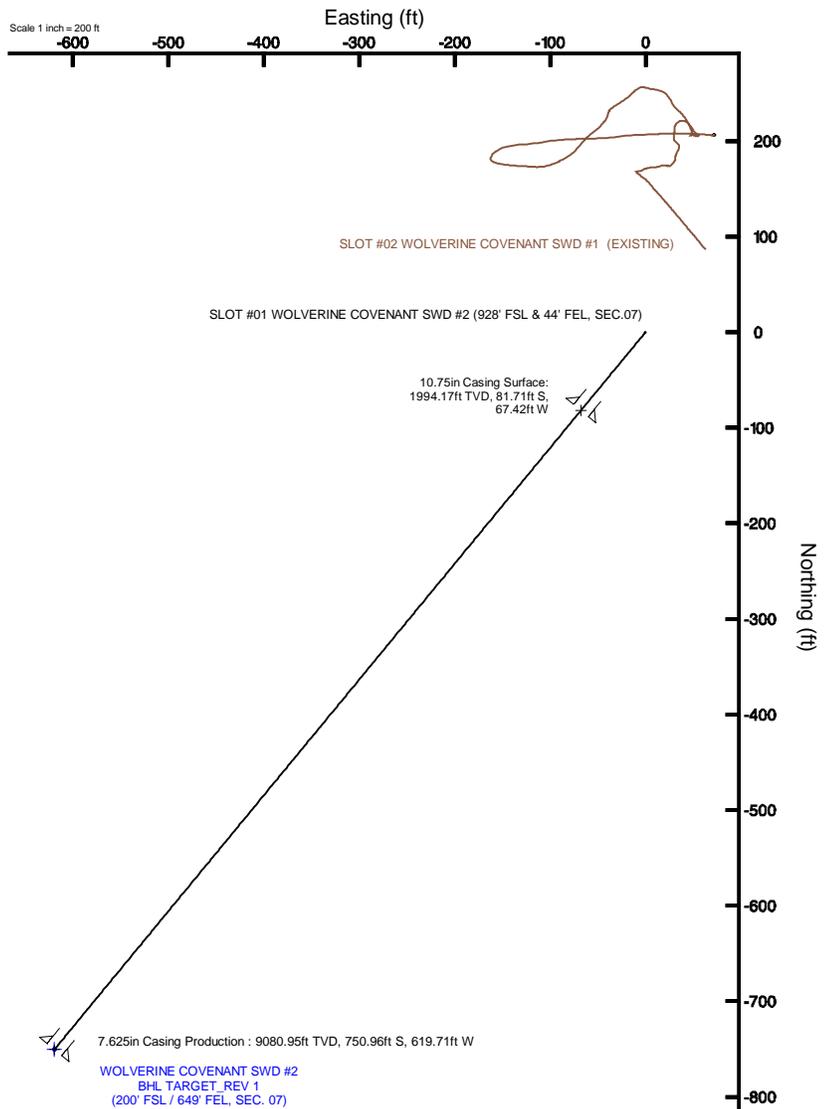
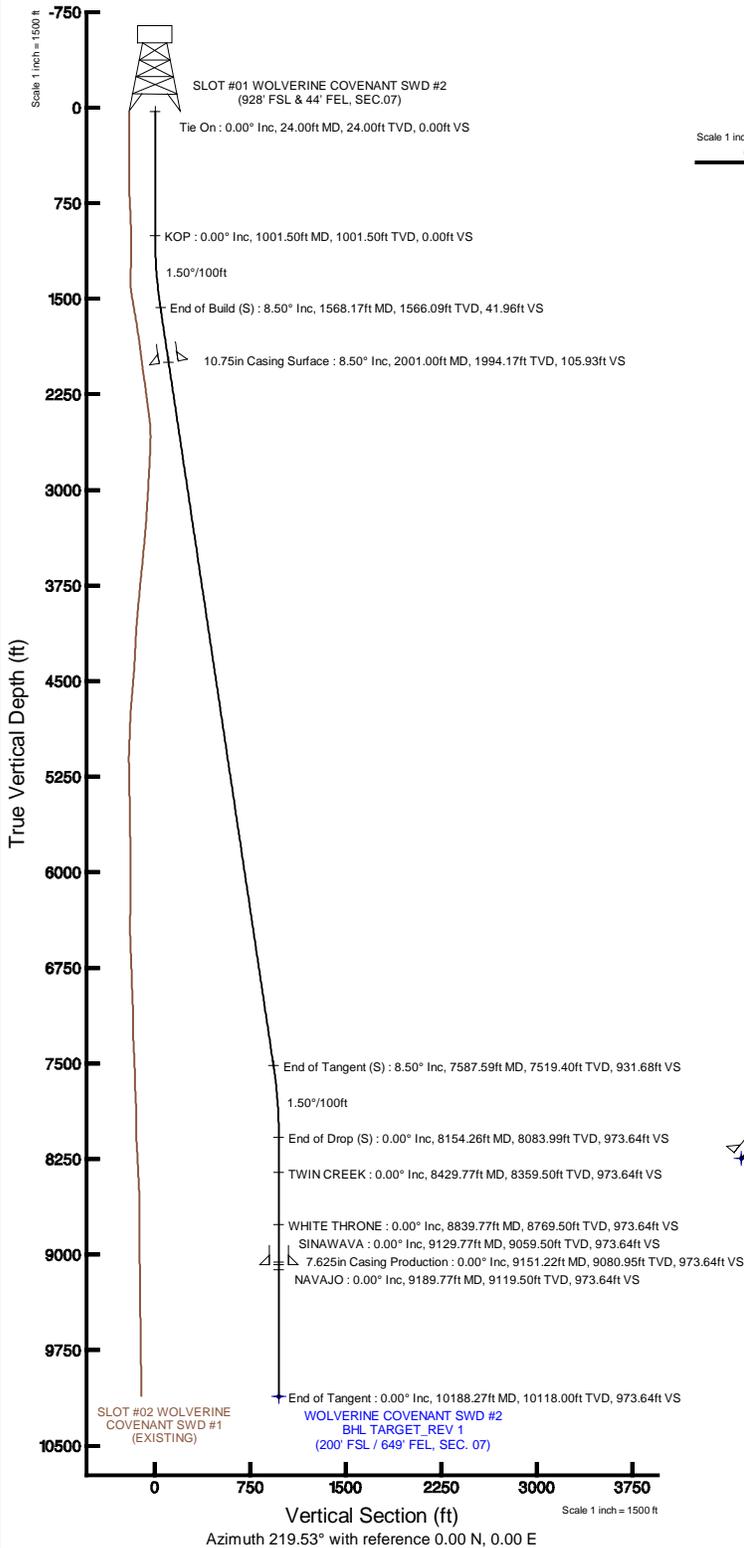
Plot reference wellpath is WOLVERINE COVENANT SWD #2 (Rev-C.0) PWP
 True vertical depths are referenced to HP FLEX 4S (RFB) Grid System: NAD83 / UTM Zone 12 North, US feet
 Measured depths are referenced to HP FLEX 4S (RFB) North Reference: True north
 HP FLEX 4S (RFB) to Mean Sea Level: 9620 feet Scale: True distance
 Mean Sea Level to Mud line (A) Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07): 0 feet Depths are in feet
 Coordinates are in feet referenced to Slot Created by: dudastan on 2/23/2012

Location Information

Facility Name	Grid East (US Ft)	Grid North (US Ft)	Latitude	Longitude
SEC.07-T23S-R1W	1272945.690	14895056.671	38°46'45.9157N	111°56'31.8171W
Slot	Local N (ft)	Local E (ft)	Grid North (US Ft)	Latitude
SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)	-23.27	-13.06	1372032.304	38°46'45.885N
HP FLEX 4S (RFB) to Mud line (A) Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)				9620ft
Mean Sea Level to Mud line (A) Slot: SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)				0ft
HP FLEX 4S (RFB) to Mean Sea Level				9620ft

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	24.00	0.000	219.530	24.00	0.00	0.00	0.00	0.00
KOP	1001.50	0.000	219.530	1001.50	0.00	0.00	0.00	0.00
End of Build (S)	1568.17	8.500	219.530	1566.09	-32.36	-26.70	1.50	41.96
End of Tangent (S)	7587.59	8.500	219.530	7519.40	-718.60	-593.00	0.00	931.68
End of Drop (S)	8154.26	0.000	219.530	8083.99	-750.96	-619.71	1.50	973.64
End of Tangent	10188.27	0.000	219.530	10118.00	-750.96	-619.71	0.00	973.64



BGGM (1945.0 to 2013.0) Dip: 64.38° Field: 51229.2 nT
 Magnetic North is 11.78 degrees East of True North (at 2/23/2012)

To correct azimuth from Magnetic to True add 11.78 degrees
 For example: if the Magnetic North Azimuth = 90 degrees, then the True North Azimuth = 90 + 11.78 = 101.78



Planned Wellpath Report
WOLVERINE COVENANT SWD #2 (Rev-C.0) PWP
 Page 1 of 6


REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

REPORT SETUP INFORMATION

Projection System	NAD83 / UTM Zone 12 North, US feet	Software System	WellArchitect® 3.0.2
North Reference	True	User	Doddanna
Scale	0.999682	Report Generated	2/23/2012 at 2:12:25 PM
Convergence at slot	0.59° West	Database/Source file	WA_Denver/WOLVERINE_COVENANT_SWD_#2_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-23.27	-13.06	1372032.30	14095813.55	38°48'45.685"N	111°56'31.982"W
Facility Reference Pt			1372045.60	14095836.67	38°48'45.915"N	111°56'31.817"W
Field Reference Pt			1368928.97	14088610.08	38°47'34.146"N	111°57'10.250"W

WELLPATH DATUM

Calculation method	Minimum curvature	HP FLEX 4S (RKB) to Facility Vertical Datum	5620.00ft
Horizontal Reference Pt	Slot	HP FLEX 4S (RKB) to Mean Sea Level	5620.00ft
Vertical Reference Pt	HP FLEX 4S (RKB)	HP FLEX 4S (RKB) to Mud Line at Slot (SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07))	5620.00ft
MD Reference Pt	HP FLEX 4S (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	219.53°



Planned Wellpath Report
WOLVERINE COVENANT SWD #2 (Rev.-C.0) PWP
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REFERENCE WELLPATH IDENTIFICATION

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Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH DATA (112 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	219.530	0.00	0.00	0.00	0.00	0.00	
24.00	0.000	219.530	24.00	0.00	0.00	0.00	0.00	Tie On
124.00†	0.000	219.530	124.00	0.00	0.00	0.00	0.00	
224.00†	0.000	219.530	224.00	0.00	0.00	0.00	0.00	
324.00†	0.000	219.530	324.00	0.00	0.00	0.00	0.00	
424.00†	0.000	219.530	424.00	0.00	0.00	0.00	0.00	
524.00†	0.000	219.530	524.00	0.00	0.00	0.00	0.00	
624.00†	0.000	219.530	624.00	0.00	0.00	0.00	0.00	
724.00†	0.000	219.530	724.00	0.00	0.00	0.00	0.00	
824.00†	0.000	219.530	824.00	0.00	0.00	0.00	0.00	
924.00†	0.000	219.530	924.00	0.00	0.00	0.00	0.00	
1001.50	0.000	219.530	1001.50	0.00	0.00	0.00	0.00	KOP
1024.00†	0.338	219.530	1024.00	0.07	-0.05	-0.04	1.50	
1124.00†	1.837	219.530	1123.98	1.96	-1.51	-1.25	1.50	
1224.00†	3.337	219.530	1223.87	6.48	-5.00	-4.12	1.50	
1324.00†	4.838	219.530	1323.62	13.61	-10.49	-8.66	1.50	
1424.00†	6.337	219.530	1423.14	23.34	-18.00	-14.86	1.50	
1524.00†	7.837	219.530	1522.37	35.68	-27.52	-22.71	1.50	
1568.17	8.500	219.530	1566.09	41.96	-32.36	-26.70	1.50	End of Build (S)
1624.00†	8.500	219.530	1621.31	50.21	-38.73	-31.96	0.00	
1724.00†	8.500	219.530	1720.21	64.99	-50.13	-41.37	0.00	
1824.00†	8.500	219.530	1819.11	79.77	-61.53	-50.77	0.00	
1924.00†	8.500	219.530	1918.02	94.55	-72.93	-60.18	0.00	
2024.00†	8.500	219.530	2016.92	109.33	-84.33	-69.59	0.00	
2124.00†	8.500	219.530	2115.82	124.11	-95.73	-79.00	0.00	
2224.00†	8.500	219.530	2214.72	138.89	-107.13	-88.40	0.00	
2324.00†	8.500	219.530	2313.62	153.68	-118.53	-97.81	0.00	
2424.00†	8.500	219.530	2412.52	168.46	-129.93	-107.22	0.00	
2524.00†	8.500	219.530	2511.42	183.24	-141.33	-116.63	0.00	
2624.00†	8.500	219.530	2610.33	198.02	-152.73	-126.04	0.00	
2724.00†	8.500	219.530	2709.23	212.80	-164.13	-135.44	0.00	
2824.00†	8.500	219.530	2808.13	227.58	-175.53	-144.85	0.00	
2924.00†	8.500	219.530	2907.03	242.36	-186.93	-154.26	0.00	
3024.00†	8.500	219.530	3005.93	257.14	-198.33	-163.67	0.00	
3124.00†	8.500	219.530	3104.83	271.92	-209.73	-173.08	0.00	
3224.00†	8.500	219.530	3203.74	286.70	-221.13	-182.48	0.00	
3324.00†	8.500	219.530	3302.64	301.49	-232.53	-191.89	0.00	
3424.00†	8.500	219.530	3401.54	316.27	-243.93	-201.30	0.00	
3524.00†	8.500	219.530	3500.44	331.05	-255.33	-210.71	0.00	
3624.00†	8.500	219.530	3599.34	345.83	-266.73	-220.11	0.00	
3724.00†	8.500	219.530	3698.24	360.61	-278.13	-229.52	0.00	
3824.00†	8.500	219.530	3797.15	375.39	-289.53	-238.93	0.00	
3924.00†	8.500	219.530	3896.05	390.17	-300.93	-248.34	0.00	
4024.00†	8.500	219.530	3994.95	404.95	-312.33	-257.75	0.00	
4124.00†	8.500	219.530	4093.85	419.73	-323.73	-267.15	0.00	



Planned Wellpath Report

WOLVERINE COVENANT SWD #2 (Rev.-C.0) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH DATA (112 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4224.00†	8.500	219.530	4192.75	434.51	-335.14	-276.56	0.00	
4324.00†	8.500	219.530	4291.65	449.29	-346.54	-285.97	0.00	
4424.00†	8.500	219.530	4390.55	464.08	-357.94	-295.38	0.00	
4524.00†	8.500	219.530	4489.46	478.86	-369.34	-304.79	0.00	
4624.00†	8.500	219.530	4588.36	493.64	-380.74	-314.19	0.00	
4724.00†	8.500	219.530	4687.26	508.42	-392.14	-323.60	0.00	
4824.00†	8.500	219.530	4786.16	523.20	-403.54	-333.01	0.00	
4924.00†	8.500	219.530	4885.06	537.98	-414.94	-342.42	0.00	
5024.00†	8.500	219.530	4983.96	552.76	-426.34	-351.82	0.00	
5124.00†	8.500	219.530	5082.87	567.54	-437.74	-361.23	0.00	
5224.00†	8.500	219.530	5181.77	582.32	-449.14	-370.64	0.00	
5324.00†	8.500	219.530	5280.67	597.10	-460.54	-380.05	0.00	
5424.00†	8.500	219.530	5379.57	611.88	-471.94	-389.46	0.00	
5524.00†	8.500	219.530	5478.47	626.67	-483.34	-398.86	0.00	
5624.00†	8.500	219.530	5577.37	641.45	-494.74	-408.27	0.00	
5724.00†	8.500	219.530	5676.28	656.23	-506.14	-417.68	0.00	
5824.00†	8.500	219.530	5775.18	671.01	-517.54	-427.09	0.00	
5924.00†	8.500	219.530	5874.08	685.79	-528.94	-436.50	0.00	
6024.00†	8.500	219.530	5972.98	700.57	-540.34	-445.90	0.00	
6124.00†	8.500	219.530	6071.88	715.35	-551.74	-455.31	0.00	
6224.00†	8.500	219.530	6170.78	730.13	-563.14	-464.72	0.00	
6324.00†	8.500	219.530	6269.68	744.91	-574.54	-474.13	0.00	
6424.00†	8.500	219.530	6368.59	759.69	-585.94	-483.53	0.00	
6524.00†	8.500	219.530	6467.49	774.48	-597.34	-492.94	0.00	
6624.00†	8.500	219.530	6566.39	789.26	-608.74	-502.35	0.00	
6724.00†	8.500	219.530	6665.29	804.04	-620.14	-511.76	0.00	
6824.00†	8.500	219.530	6764.19	818.82	-631.54	-521.17	0.00	
6924.00†	8.500	219.530	6863.09	833.60	-642.95	-530.57	0.00	
7024.00†	8.500	219.530	6962.00	848.38	-654.35	-539.98	0.00	
7124.00†	8.500	219.530	7060.90	863.16	-665.75	-549.39	0.00	
7224.00†	8.500	219.530	7159.80	877.94	-677.15	-558.80	0.00	
7324.00†	8.500	219.530	7258.70	892.72	-688.55	-568.21	0.00	
7424.00†	8.500	219.530	7357.60	907.50	-699.95	-577.61	0.00	
7524.00†	8.500	219.530	7456.50	922.28	-711.35	-587.02	0.00	
7587.59	8.500	219.530	7519.40	931.68	-718.60	-593.00	0.00	End of Tangent (S)
7624.00†	7.954	219.530	7555.43	936.89	-722.62	-596.32	1.50	
7724.00†	6.454	219.530	7654.64	949.43	-732.29	-604.30	1.50	
7824.00†	4.954	219.530	7754.14	959.37	-739.95	-610.63	1.50	
7924.00†	3.454	219.530	7853.87	966.70	-745.61	-615.29	1.50	
8024.00†	1.954	219.530	7953.75	971.42	-749.25	-618.29	1.50	
8124.00†	0.454	219.530	8053.73	973.52	-750.87	-619.63	1.50	
8154.26	0.000	219.530	8083.99	973.64	-750.96	-619.71	1.50	End of Drop (S)
8224.00†	0.000	219.530	8153.73	973.64	-750.96	-619.71	0.00	
8324.00†	0.000	219.530	8253.73	973.64	-750.96	-619.71	0.00	
8424.00†	0.000	219.530	8353.73	973.64	-750.96	-619.71	0.00	



Planned Wellpath Report

WOLVERINE COVENANT SWD #2 (Rev-C.0) PWP

Page 4 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH DATA (112 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8429.77†	0.000	219.530	8359.50	973.64	-750.96	-619.71	0.00	TWIN CREEK
8524.00†	0.000	219.530	8453.73	973.64	-750.96	-619.71	0.00	
8624.00†	0.000	219.530	8553.73	973.64	-750.96	-619.71	0.00	
8724.00†	0.000	219.530	8653.73	973.64	-750.96	-619.71	0.00	
8824.00†	0.000	219.530	8753.73	973.64	-750.96	-619.71	0.00	
8839.77†	0.000	219.530	8769.50	973.64	-750.96	-619.71	0.00	WHITE THRONE
8924.00†	0.000	219.530	8853.73	973.64	-750.96	-619.71	0.00	
9024.00†	0.000	219.530	8953.73	973.64	-750.96	-619.71	0.00	
9124.00†	0.000	219.530	9053.73	973.64	-750.96	-619.71	0.00	
9129.77†	0.000	219.530	9059.50	973.64	-750.96	-619.71	0.00	SINAWAVA
9189.77†	0.000	219.530	9119.50	973.64	-750.96	-619.71	0.00	NAVAJO
9224.00†	0.000	219.530	9153.73	973.64	-750.96	-619.71	0.00	
9324.00†	0.000	219.530	9253.73	973.64	-750.96	-619.71	0.00	
9424.00†	0.000	219.530	9353.73	973.64	-750.96	-619.71	0.00	
9524.00†	0.000	219.530	9453.73	973.64	-750.96	-619.71	0.00	
9624.00†	0.000	219.530	9553.73	973.64	-750.96	-619.71	0.00	
9724.00†	0.000	219.530	9653.73	973.64	-750.96	-619.71	0.00	
9824.00†	0.000	219.530	9753.73	973.64	-750.96	-619.71	0.00	
9924.00†	0.000	219.530	9853.73	973.64	-750.96	-619.71	0.00	
10024.00†	0.000	219.530	9953.73	973.64	-750.96	-619.71	0.00	
10124.00†	0.000	219.530	10053.73	973.64	-750.96	-619.71	0.00	
10188.27	0.000	219.530	10118.00 ¹	973.64	-750.96	-619.71	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: WOLVERINE COVENANT SWD #2 PWB Ref Wellpath: WOLVERINE COVENANT SWD #2 (Rev-C.0) PWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	24.00	2001.00	1977.00	24.00	1994.17	0.00	0.00	-81.71	-67.42
10.75in Casing Surface	24.00	2001.00	1977.00	24.00	1994.17	0.00	0.00	-81.71	-67.42
9.875in Open Hole	2001.00	9151.22	7150.22	1994.17	9080.95	-81.71	-67.42	-750.96	-619.71
7.625in Casing Production	2011.00	9151.22	7140.22	2004.06	9080.95	-82.85	-68.37	-750.96	-619.71



Planned Wellpath Report
WOLVERINE COVENANT SWD #2 (Rev-C.0) PWP
 Page 5 of 6


REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WOLVERINE COVENANT SWD #2_SECTION 07		0.00	0.00	-6.02	1372026.29	14095813.61	38°48'45.685"N	111°56'32.058"W	point
WOLVERINE COVENANT SWD #2_SECTION LINES		0.00	0.00	-6.02	1372026.29	14095813.61	38°48'45.685"N	111°56'32.058"W	point
1) WOLVERINE COVENANT SWD #2_BHL TARGET_REV 1 (200' FSL / 649' FEL, SEC. 07)	10188.27	10118.00	-750.96	-619.71	1371405.09	14095069.25	38°48'38.262"N	111°56'39.811"W	point

SURVEY PROGRAM - Ref Wellbore: WOLVERINE COVENANT SWD #2 PWB Ref Wellpath: WOLVERINE COVENANT SWD #2 (Rev-C.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
24.00	10188.27	NaviTrak (Standard)		WOLVERINE COVENANT SWD #2 PWB



Planned Wellpath Report
WOLVERINE COVENANT SWD #2 (Rev-C.0) PWP
 Page 6 of 6


REFERENCE WELLPATH IDENTIFICATION

Operator	WOLVERINE GAS & OIL COMPANY	Slot	SLOT #01 WOLVERINE COVENANT SWD #2 (928' FSL & 44' FEL, SEC.07)
Area	UTAH	Well	WOLVERINE COVENANT SWD #2
Field	SEVIER COUNTY UTM Zone	Wellbore	WOLVERINE COVENANT SWD #2 PWB
Facility	SEC.07-T23S-R1W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8429.77	0.000	219.530	8359.50	TWIN CREEK
8839.77	0.000	219.530	8769.50	WHITE THRONE
9129.77	0.000	219.530	9059.50	SINAWAVA
9189.77	0.000	219.530	9119.50	NAVAJO

Carol Daniels - Covenant SWD 2 Update

T 235 R 01W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/10/2012 6:10 AM
Subject: Covenant SWD 2 Update

3/10/2012 6:06 AM

No returns when spotting LCM pill at 1,732', hole depth 1,763', casing point 2,025'

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 13 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/11/2012 6:31 AM
Subject: Covenant SWD 2 Update

3/11/2012 6:22 AM

Drilling at 1,767', PR 6.4 fph, losing 20-50 bph

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
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wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 239 ROW S-09 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/12/2012 6:27 AM
Subject: Covenant SWD 2 Update

3/12/2012 6:24 AM

TOH at 1,184', hole depth 1,775', casing point 2,025'

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
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wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update T235 ROWS-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/13/2012 6:46 PM
Subject: Covenant SWD 2 Update

3/13/2012 6:41 PM

TIH with LCM plug.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 14 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Carol Daniels - Covenant SWD 2, 24 hour notification of BOP test

T235 R01W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/18/2012 1:34 AM
Subject: Covenant SWD 2, 24 hour notification of BOP test

3/18/2012 1:26 AM

This e-mail is 24-hour notification of the surface casing BOP test on the WGO, Covenant SWD 2 well.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 20 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235 R01W S-07 43-04-5-0008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/18/2012 3:00 PM
Subject: Covenant SWD 2 Update

3/18/2012 2:56 PM

Mixing Salt Saturate Mud and setting well head, NU BOP in next 8 hours

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 20 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 update

T235 R01W5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/19/2012 3:57 AM
Subject: Covenant SWD 2 update

3/19/2012 3:55 AM

NU BOP, expect to test BOP in the morning

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 20 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235, R 01W 5-07 43-041-5 0008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/20/2012 3:44 AM
Subject: Covenant SWD 2 Update

3/20/2012 3:41 AM

Making up MWD tools

Finished testing BOP

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 20 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 RO1W 5-07 43-041-5008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/21/2012 4:09 AM
Subject: Covenant SWD 2 Update

3/21/2012 4:06 AM

Drilling at 2,040', ROP 18 fph

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 21 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 2014 S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/22/2012 4:12 AM
Subject: Covenant SWD 2 Update

3/22/2012 4:09 AM

Drilling at 2,766', PR 41 fph, no losses

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAR 22 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update T 235 R 01 W 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/15/2012 4:54 AM
Subject: Covenant SWD 2 Update

3/15/2012 4:51 AM

Drilling at 1,838', PR 4-6 fph, losses 15 fph, casing point is at 2,025'

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

RECEIVED

MAR 15 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 24 hour notification of surface casing and cementing

T 235 ROW S-07 43-041-5008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/15/2012 6:19 PM
Subject: Covenant SWD 2 24 hour notification of surface casing and cementing

3/15/2012 6:14 PM

Hello,

This e-mail is notification of WGO's intent to run surface casing and cement the Covenant SWD 2 in the next 24 hours.

The casing point depth is 1,899'.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

RECEIVED

MAR 15 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235 ReLU 5-09 4304150008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/16/2012 7:00 AM
Subject: Covenant SWD 2 Update

3/16/2012 6:56 AM

Trip out of hole at BHA. Preparing to run surface casing in next two hours.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

RECEIVED

MAR 16 2012

DIV OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/23/2012 9:43 AM
Subject: Covenant SWD 2 Update

3/23/2012 9:41 AM

Drilling at 3,559', PR 17.7 fph

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

RECEIVED

MAR 23 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235 ROWS-01 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/25/2012 6:30 AM
Subject: Covenant SWD 2 Update

3/25/2012 6:27 AM

Drilled to 4486'. Bit depth 4032', circulate at reduced rate. Waiting on new Kelley hose.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

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MAR 27 2012

DIV. OF OIL, GAS & MINES

Carol Daniels - Covenant SWD 2 Update

T 935 ROW S-09 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/26/2012 7:29 AM
Subject: Covenant SWD 2 Update

3/26/2012 7:27 AM

Drilling at 4736'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

MAR 27 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL**Carol Daniels - Covenant SWD 2 Update****T 235 R 01 W 5-07 43-041-50008**

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/27/2012 6:40 AM
Subject: Covenant SWD 2 Update

3/27/2012 6:38 AM

Drilling at 5015'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED**MAR 27 2012****DIV. OF OIL, GAS & MINING**

CONFIDENTIAL

Page 1 of 1

Carol Daniels - Covenant SWD 2 Update

T 235 R 01W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/28/2012 6:53 AM
Subject: Covenant SWD 2 Update

3/28/2012 6:50 AM

Drlg at 5284'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

MAR 28 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R 01 W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/29/2012 6:51 AM
Subject: Covenant SWD 2 Update

3/29/2012 6:47 AM

Trip in hole 3747'. TD = 5363', csg pt +/-9150'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED
MAR 29 2012
OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235R01W5-07 4304150008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/30/2012 6:43 AM
Subject: Covenant SWD 2 Update

3/30/2012 6:41 AM

Drilling at 5441'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

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MAR 30 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 23S ROW 5-07 43-041-5008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "'Daniels, Carol'" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 3/31/2012 7:00 AM
Subject: Covenant SWD 2 Update

3/31/2012 6:58 AM

Drilling at 5518'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

MAR 30 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/1/2012 6:29 AM
Subject: Covenant SWD 2 Update

4/1/2012 6:26 AM

Drilling at 5589'

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

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APR 02 2012

NEW FRONTIER GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R 201W 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/2/2012 6:26 AM
Subject: Covenant SWD 2 Update

4/2/2012 6:23 AM

Drilling at 5734'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

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APR 02 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R01W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/3/2012 6:56 AM
Subject: Covenant SWD 2 Update

4/3/2012 6:52 AM

Tripped for tool failure from 5771'. Tripping in hole at 1200'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

RECEIVED

APR 03 2012

DIV. OF OIL, GAS & MINING

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: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Disposal Well		7. UNIT or CA AGREEMENT NAME: WOLVERINE
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		8. WELL NAME and NUMBER: Covenant SWD 2
3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503		9. API NUMBER: 43041500080000
PHONE NUMBER: 616 458-1150 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0928 FSL 0044 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S		COUNTY: SEVIER
		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:	<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 type="text"/>

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

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 13, 2012**

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 4/6/2012	

CONTINTUED CONFIDENTIAL STATUS REQUESTED

Wolverine State SWD #2

Sec 7, T23S, R1W

Sevier Co, UT

API: 43-415000800000, spud on 3-3-2012

3-3-2012: Depth 302'', Drilling, MW 8.35, Vis. 30, FL 14.6, Surveys: .36 @150'

3-4-2012: Depth 770', Drilling, MW 8.7, Vis. 37, FL 10.2, Surveys: .20 @697''

3-5-2012: Depth 1230', Drilling, MW 9.0, Vis. 38, FL 6.4, Surveys: .43 @ 1062'

3-6-2012: Depth 1590', Drilling, MW 9.0, Vis. 38, FL 5.7, Surveys: 6.21 @1439'

3-7-2012: Depth 1734', Drilling, circulating, MW 8.7, Vis. 35, FL 19.4, Surveys: 9.28 @ 1628'

3-8-2012: Depth 1747', TOH, MW 8.65, Vis. 33, FL 22.4, Surveys: no new data

3-9-2012: Depth 1747', Reaming, working pipe, MW 8.5, Vis 37, FL 22.2, Surveys: no new data

3-10-2012: Depth 1763', TIH, Drilling, MW 8.65, Vis 37, FL 22.6, Surveys: no new data

3-11-2012: Depth 1765', TOH, Drilling, MW 8.6, Vis 38, FL 12.0, Surveys: no new data

3-12-2012: Depth 1775', TIH, Drilling, MW 8.6, Vis. 51, FL 8.9, Surveys: no new data

3-13-2012: Depth 1775', TOH, MW 8.6, Vis 41, FL 15.1, Surveys: no new data

3-14-2012: Depth 1775', LCM Plug, WOC, MW 8.5, Vis 37, FL 14.2, Surveys: no new data

3-15-2012: Depth 1845', Wash & Ream, Drilling, MW 8.7, Vis 43, FL 30, Surveys: no new data

3-16-2012: Depth 1899', Drilling, set 10 ¾" casing, MW 8.8, Vis 47, FL 9.0, Surveys: no new data

3-17-2012: Depth 1899', Set casing, MW 8.65, Vis 38, FL 15.0, Surveys: no new data

3-18-2012: Depth 1899', Set casing, MW, Vis, FL – not reported, Surveys: no new data

3-19-2012: Depth 1899', Set casing, MW 9.85, Vis 40, FL 12, Surveys: no new data

3-20-2012: Depth 1899', Rig service, MW 9.85, Vis 42, FL 14, Surveys: no new data

3-21-2012: Depth 2076', Drilling, MW 10.2, Vis 47, FL 10.5, Surveys: 10.55 @ 1905'

3-22-2012: Depth 2822', Drilling, MW 10.1, Vis 40, FL 11.0, Surveys: 8.52 @ 2659'

3-23-2012: Depth 3506', Drilling, MW 10.2, Vis 37, FL 13.0, Surveys: 8.87 @ 3414'

3-24-2012: Depth 3940', Drilling, MW 10.2, Vis 46, FL 13.0, Surveys: 8.83 @ 3791'

3-25-2012: Depth 4486', Drilling, MW 10.2, Vis 51, FL 12.0, Surveys: 8.53 @4357'

3-26-2012: Depth 4713', Drilling, MW 10.1, Vis 49, FL 11.0, Surveys: 8.37 @ 4640'

3-27-2012: Depth 5000', Drilling, MW 10.2, Vis 56, FL 10.4, Surveys: 8.36 @4830'

3-28-2012: Depth 5000', Slide & Ream, MW 10.3, Vis 48, FL 12.4, Surveys: 8.44 @ 5016'

3-29-2012: Depth 5363'. Drilling, MW 10.4, Vis 72, FL 12.2, Surveys: 8.50 @ 5299'

3-30-2012: Depth 5438', Drilling, MW 10.8, Vis 72, FL 11.2, Surveys: no new data

3-31-2012: Depth 5516', Drilling, MW 10.8, Vis 67, FL 10.4, Surveys: 8.28@ 5456'

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: Patented
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME: WOLVERINE
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: Covenant SWD 2
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC	9. API NUMBER: 43041500080000
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: 0928 FSL 0044 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: SEVIER
	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: 4/1/2012	<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 document for drilling details.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 April 13, 2012**

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 4/6/2012	

CONTINTUED CONFIDENTIAL STATUS REQUESTED

Wolverine State SWD #2

Sec 7, T23S, R1W

Sevier Co, UT

API: 43041500080000, spud on 3-3-2012

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3-8-2012: Depth 1747', TOH, MW 8.65, Vis. 33, FL 22.4, Surveys: no new data

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3-12-2012: Depth 1775', TIH, Drilling, MW 8.6, Vis. 51, FL 8.9, Surveys: no new data

3-13-2012: Depth 1775', TOH, MW 8.6, Vis 41, FL 15.1, Surveys: no new data

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3-15-2012: Depth 1845', Wash & Ream, Drilling, MW 8.7, Vis 43, FL 30, Surveys: no new data

3-16-2012: Depth 1899', Drilling, set 10 ¾" casing, MW 8.8, Vis 47, FL 9.0, Surveys: no new data

3-17-2012: Depth 1899', Set casing, MW 8.65, Vis 38, FL 15.0, Surveys: no new data

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3-20-2012: Depth 1899', Rig service, MW 9.85, Vis 42, FL 14, Surveys: no new data

3-21-2012: Depth 2076', Drilling, MW 10.2, Vis 47, FL 10.5, Surveys: 10.55 @ 1905'

3-22-2012: Depth 2822', Drilling, MW 10.1, Vis 40, FL 11.0, Surveys: 8.52 @ 2659'

3-23-2012: Depth 3506', Drilling, MW 10.2, Vis 37, FL 13.0, Surveys: 8.87 @ 3414'

3-24-2012: Depth 3940', Drilling, MW 10.2, Vis 46, FL 13.0, Surveys: 8.83 @ 3791'

3-25-2012: Depth 4486', Drilling, MW 10.2, Vis 51, FL 12.0, Surveys: 8.53 @4357'

3-26-2012: Depth 4713', Drilling, MW 10.1, Vis 49, FL 11.0, Surveys: 8.37 @ 4640'

3-27-2012: Depth 5000', Drilling, MW 10.2, Vis 56, FL 10.4, Surveys: 8.36 @4830'

3-28-2012: Depth 5000', Slide & Ream, MW 10.3, Vis 48, FL 12.4, Surveys: 8.44 @ 5016'

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3-30-2012: Depth 5438', Drilling, MW 10.8, Vis 72, FL 11.2, Surveys: no new data

3-31-2012: Depth 5516', Drilling, MW 10.8, Vis 67, FL 10.4, Surveys: 8.28@ 5456'

Carol Daniels - Covenant SWD 2 Update

T 235 Rolw 509 43-041-5008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/4/2012 6:44 AM
Subject: Covenant SWD 2 Update

4/3/2012 6:52 AM

Finished trip. Drilled to 5876'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

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APR 04 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 ROW 5-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/5/2012 6:51 AM
Subject: Covenant SWD 2 Update

4/5/2012 6:49 AM

Drilling at 6002'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

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APR 05 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 335 ROW 507 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/6/2012 7:04 AM
Subject: Covenant SWD 2 Update

4/6/2012 7:01 AM

Drilling at 6262'.

Tom Zupan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (970) 314-8219
wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-07 43-041-5008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/7/2012 6:48 AM
Subject: Covenant SWD 2 Update

4/7/2012 6:45 AM

Drilling at 6493'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED
APR 10 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 935 A 01 W S-07 43-041-5008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/8/2012 6:43 AM
Subject: Covenant SWD 2 Update

4/8/2012 6:38 AM

Drilling @ 6564'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

APR 10 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T935 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/9/2012 6:52 AM
Subject: Covenant SWD 2 Update

4/9/2012 6:47 AM

Drilling at 6623'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

APR 10 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 935 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/10/2012 6:47 AM
Subject: Covenant SWD 2 Update

4/10/2012 6:43 AM

Drilling at 6864'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED
APR 10 2012
DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T238 RO1W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/11/2012 6:45 AM
Subject: Covenant SWD 2 Update

4/11/2012 6:41 AM

Hole depth 6996', rig repair on swivel packing.

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED
APR 11 2012
DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/12/2012 6:42 AM
Subject: Covenant SWD 2 Update

4/12/2012 6:40 AM

Drilling @ 7079'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

APR 12 2012

Carol Daniels - Covenant SWD 2 Update

Sec. 7, T 235 P 01W 43041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/13/2012 6:50 AM
Subject: Covenant SWD 2 Update

4/13/2012 6:47 AM

Drilling @ 7266'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

APR 13 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235 R01W 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/14/2012 6:37 AM
Subject: Covenant SWD 2 Update

4/14/2012 6:34 AM

Drilling @ 7524'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

APR 17 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T23S R01W5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/15/2012 6:28 AM
Subject: Covenant SWD 2 Update

4/15/2012 6:25 AM

Trip out of hole @ 544'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

APR 17 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 ROW 5-07 43-041-5008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/16/2012 6:31 AM
Subject: Covenant SWD 2 Update

4/16/2012 6:28 AM

Drilling @ 7700'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

APR 17 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R01 W 5-09 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/17/2012 6:42 AM
Subject: Covenant SWD 2 Update

4/17/2012 6:38 AM

Drilling @ 7990'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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APR 17 2012

DIV OF OIL

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/18/2012 6:45 AM
Subject: Covenant SWD 2 Update

4/18/2012 6:41 AM

Drilling @ 8277'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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APR 18 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Carol Daniels - Covenant SWD 2 Update

T 735 ROI WS-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/19/2012 6:41 AM
Subject: Covenant SWD 2 Update

4/19/2012 6:38 AM

Drilling @ 8495'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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APR 19 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROW S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/20/2012 6:54 AM
Subject: Covenant SWD 2 Update

4/20/2012 6:52 AM

Drilling @ 8737'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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APR 20 2012

UTAH DEPT. OF OIL, GAS & MINING

Carol Daniels - Notification of 30 day BOP stack test

T 235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Jones, Mark" <markjones@utah.gov>
Date: 4/20/2012 8:18 PM
Subject: Notification of 30 day BOP stack test
CC: "Steve Carmack" <steve@carmackws.com>, "Daniels, Carol" <caroldaniels@...>
Attachments: Covenant SWD 2 Directions.pdf; Covenant SWD 2 Map.pdf

4/20/2012 8:09 PM

Mark,

We are preparing to trip out of the hole to change BHA's on the WGO, Covenant SWD 2 well. If the trip goes well, the BOP test should start on Saturday morning, possibly as early at 4:00AM.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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APR 24 2012

DRILLING, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 2.3.5 RO1W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/22/2012 3:05 AM
Subject: Covenant SWD 2 Update

4/22/2012 3:02 AM

Drilling at 8,795', PR 3 fph, no losses

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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APR 24 2012
DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/21/2012 3:36 AM
Subject: Covenant SWD 2 Update

4/21/2012 3:28 AM

Hole depth 8,790', Tripped out of hole. Laying down TruTrak BHA due to hole losses.

The plan is to test the BOP stack after the BHA is laid down.

Then the plan is to drill with 9 7/8" tri-cone bits and a conventional packed BHA. This BHA will allow fighting hole losses with more aggressive LCM.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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APR 24 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Nitrogen bottle filled to specifications

T 235 P01W5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/21/2012 2:27 PM
Subject: Nitrogen bottle filled to specifications

4/21/2012 2:16 PM

The accumulator test indicated a low pressure in a nitrogen bottle. H&P mechanics filled the low nitrogen bottle and check the pressure in each individual bottle. IPS re-tested the accumulator unit. The unit is with specifications.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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APR 24 2012

CONFIDENTIAL

Carol Daniels - Covenant SWD 2 Update *T 235 ROW 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/23/2012 7:10 AM
Subject: Covenant SWD 2 Update

4/23/2012 7:07 AM

Drilling at 8,839', PR 2-3 fph

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
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Page 1 of 1

Carol Daniels - Covenant SWD 2 Update

T 235 P 01W 5-07 42041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/24/2012 4:14 AM
Subject: Covenant SWD 2 Update

4/24/2012 4:11 AM

Drilling at 8,861', PR 2.5 fph, encountering some lost circulation zones

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
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wolvexpl@drillmail.net

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APR 24 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL**Carol Daniels - Covenant SWD 2 Update** T 23 S R 01 W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/25/2012 4:25 AM
Subject: Covenant SWD 2 Update

4/25/2012 4:20 AM

Drilling at 8,894', 2.8 fph, some lost circulation zones

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T 235 P01W 5-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/26/2012 5:59 AM
Subject: Covenant SWD 2 Update

4/26/2012 5:57 AM

Drilling at 8,928', PR 1 fph, no losses

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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APR 26 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROLW 5-07 49-04-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/27/2012 4:37 AM
Subject: Covenant SWD 2 Update

4/27/2012 4:31 AM

Hole depth 8,991'. Casing point has been reached. Casing point is 8,991'.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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APR 27 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R 01W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/28/2012 9:05 AM
Subject: Covenant SWD 2 Update

4/28/2012 9:00 AM

Logs did not get deep enough to log the Navajo. Logging up with den/neu and caliper

The plan is to do a clean out run and re log.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAY 01 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Carol Daniels - Covenant SWD 2 Update*T 235 R 01W S-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/29/2012 4:25 AM
Subject: Covenant SWD 2 Update

4/29/2012 4:19 AM

Short trip up at 8,482'

Plan to short trip to 6,000', Check hole conditions, circulate, trip and re-log hole.

Estimate 2-3 days before running casing.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAY 01 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL**Carol Daniels - Covenant SWD 2 Update***T 235 201W 5-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/30/2012 6:15 AM
Subject: Covenant SWD 2 Update

4/30/2012 6:13 AM

Open hole logging.

Expect to be logging until this afternoon

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 24 hr Notification of Cementing*T 935 ROW 5-07
43-041-5008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 4/30/2012 10:31 PM
Subject: Covenant SWD 2 24 hr Notification of Cementing
Attachments: Covenant SWD 2 Directions.pdf; Covenant SWD 2 Map.pdf

4/30/2012 10:26 PM

Wolverine Gas and Oil Co. is planning to cement casing in the next 24-36 hours. These e-mails and phone messages are the formal 24-hour notification. Our current operation is laying down drill pipe, prior to running casing and cementing.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAY 01 2012

DIV. OF OIL, GAS & MINING



WOLVERINE GAS & OIL CO.

COVENANT SWD 2 Road Directions

DIRECTIONS FROM I-70 EXIT 48 (Sigurd Exit):

Travel west on I-70 to the Sigurd, UT Exit #48.

Exit I-70 and turn left on SR 259 and travel under I-70.

Travel 0.1 miles on SR 259 to SR 24.

Turn right on SR 24 and follow SR 24 E to Sigurd.

From Dave's Place Gas Station travel 3.2 miles on SR 24 to Mile Marker 13+.

Turn right into WGO Field Office. Sign in at the WGO Field Office.

Follow the dirt road 0.2 miles to Covenant SWD 2.

Do Not Drive Or Park Off Lease Roads Or Locations For Any Reason.

All Personnel Must Wear Hard Hat, Hard Toes & Safety Glasses.

Do Not Litter. Do Not Speed. The Speed Limit is 15 MPH on WGO property

Questions Or Problems Pease Call:

Wolverine Representative	(970) 361-3276
H&P Rig Manager	XXXXXXXXXX
Bill Donovan personal cell	(720) 351-7470
Tom Zupan personal cell	(970)-314-8219
Steve Carmack personal cell	(970)-261-1018

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MAY 01 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235 R01W5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/1/2012 9:47 AM
Subject: Covenant SWD 2 Update

All Drill pipe and BHA laid down. Pulling wear bushing.

We should be running casing in 2 hours. Casing running time estimated to be 10-12 hours.

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAY 01 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R 01W 5-09 43-041-5008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/2/2012 2:42 AM
Subject: Covenant SWD 2 Update

5/2/2012 2:38 AM

Running casing at 5,500', run speed 700 fph

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAY 02 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Carol Daniels - Covenant SWD 2 Update

T239 R 01W 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/3/2012 7:16 AM
Subject: Covenant SWD 2 Update

5/3/2012 7:08 AM

WOC for 8 hours

Plan to cement second stage at 10:00AM

Bill Donovan
Drilling Supervisor
Wolverine Gas & Oil Company of Utah, LLC
Covenant SWD 2, AFE 255, H&P 280
API 43-041-50008, Sevier County, UT
Rig (970) 361-3276
Cell (720) 351-7470
wolvexpl@drillmail.net

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MAY 03 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update *T239 ROLW 5-07 43-041-50008*

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/6/2012 6:42 AM
Subject: Covenant SWD 2 Update

5/6/2012 6:32 AM

Drilling @ 9061'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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MAY 08 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-09 43-04650008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/7/2012 6:26 AM
Subject: Covenant SWD 2 Update

5/7/2012 6:22 AM

Drilling @ 9241'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T235 R01W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/8/2012 6:37 AM
Subject: Covenant SWD 2 Update

5/8/2012 6:32 AM

Circulating for bit trip, depth is 9412'.

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 735 ROLWS-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/9/2012 6:45 AM
Subject: Covenant SWD 2 Update

5/9/2012 6:40 AM

Drilling @ 9572'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

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MAY 09 2012

DIV. OF OIL, GAS & MINING

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: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Disposal Well		7. UNIT or CA AGREEMENT NAME: WOLVERINE
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		8. WELL NAME and NUMBER: Covenant SWD 2
3. ADDRESS OF OPERATOR: One Riverfront Plaza 55 Campau NW, Grand Rapids, MI, 49503		9. API NUMBER: 43041500080000
PHONE NUMBER: 616 458-1150 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0928 FSL 0044 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S		COUNTY: SEVIER
		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: 5/1/2012	<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 for drilling details.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 15, 2012**

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 5/10/2012	

CONTINTUED CONFIDENTIAL STATUS REQUESTED

Wolverine State SWD #2
Sec 7, T23S, R1W
Sevier Co, UT
API: 43041500080000, spud on 3-3-2012

- 4-1-2012: Depth 5584', Drilling, MW 10.8, Vis. 75, FL 10.1, Surveys: 8.36 @5490'
- 4-2-2012: Depth 5733', Drilling, MW 10.8, Vis. 81, FL 8.5, Surveys: 8.22 @ 5616'
- 4-3-2012: Depth 5771', Drilling, MW 10.8, Vis. 78, FL 8.5, Surveys: 8.35 @5679'
- 4-4-2012: Depth 5876', Drilling, MW 10.9, Vis. 75, FL 8.5, Surveys: 8.53 @ 5774'
- 4-5-2012: Depth 5993', Drilling, MW 10.9, Vis. 69, FL 8.3, Surveys: 8.16 @ 5868'
- 4-6-2012: Depth 6250', Drilling, MW 11, Vis. 64, FL 8.5, Surveys: 8.57 @6151'
- 4-7-2012: Depth 6492', Drilling, MW 10.85, Vis 61, FL 6.5, Surveys: 8.5@ 6340'
- 4-8-2012: Depth 6563', Drilling, MW 10.8 Vis 60, FL 6.0, Surveys: 8.4 @ 6434'
- 4-9-2012: Depth 6612', Drilling, MW 10.9, Vis 66, FL 11.0, Surveys: 8.5 @ 6528
- 4-10-2012: Depth 6854', Drilling, MW 10.8, Vis. 63, FL 8.8, Surveys: 8.48 @ 6749'
- 4-11-2012: Depth 6996', TIH, MW 10.9, Vis 70, FL 6.1, Surveys: 8.44 @ 6906'
- 4-12-2012: Depth 7072', TOH, drilling, MW 11.2, Vis 83, FL 7.5, Surveys: 8.34 @ 7,000'
- 4-13-2012: Depth 7246', Drilling , MW 11.5, Vis 82, FL 8.0, Surveys: 8.40 @ 7,095'
- 4-14-2012: Depth 7512', Drilling, MW 11.5, Vis 80, FL 6.0, Surveys: 8.50 @ 7378'
- 4-15-2012: Depth 7681', TOH, MW 11.5, Vis 80, FL 7.0, Surveys: 8.22 @ 7567'
- 4-16-2012: Depth 7700', TIH/TOH, MW 11.5, Vis 98, FL 7.8, Surveys: 8.22 @ 6749'
- 4-17-2012: Depth 7984', Drilling, MW 11.5, Vis 75, FL 7.0, Surveys: 6.25@ 7851'
- 4-18-2012: Depth 8270', Drilling, MW 11.5, Vis 58, FL 7.5, Surveys: .43 @ 8134'
- 4-19-2012: Depth 8483', Drilling, MW 11.5, Vis 62, FL 7.0, Surveys: .45 @8322'
- 4-20-2012: Depth 8727', Drilling, MW 11.5, Vis 104, FL 8.0, Surveys: .53 @ 8605'

4-21-2012: Depth 8790', Drilling, MW 11.4, Vis 86, FL 8.4, Surveys: .51 @ 8700'
4-22-2012: Depth 8801', Drilling, MW 11.4, Vis 64, FL 7.4, Surveys: .51 @ 8700'
4-23-2012: Depth 8839', Drilling, MW 11.0, Vis 45, FL 7.5, Surveys: .51 @8700'
4-24-2012: Depth 8864', Drilling, MW 11.4, Vis 53, FL 7.0, Surveys: .51 @8700'
4-25-2012: Depth 8896', Drilling, MW 11.5, Vis 62, FL 9.0, Surveys: Surveys: .51 @8700'
4-26-2012: Depth 8928', Drilling, MW 11.5, Vis 47, FL 10.5, Surveys: .51 @8700'
4-27-2012: Depth 8991'. Drilling, MW 1.5, Vis 57, FL 9.5, Surveys: .51 @8700'
4-28-2012: Depth 8991', Logging, MW 11.6, Vis 52, FL 6.0, Surveys: .51 @8700'
4-29-2012: Depth 8991', Logging, MW 11.4, Vis 75, FL 6.0, Surveys: .51 @8700'
4-30-2012: Depth 8991', Logging, MW 11.4, Vis 83, FL 6.8, Surveys: 1.75 @ 8981'

Carol Daniels - Covenant SWD 2 Update

T 235 ROW 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/10/2012 6:51 AM
Subject: Covenant SWD 2 Update

5/10/2012 6:47 AM

Drilling @ 9869'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

MAY 10 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 23S RO1W S-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/11/2012 7:13 AM
Subject: Covenant SWD 2 Update

5/11/2012 6:35 AM

Tripping for bit hours, @ 188'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

MAY 11 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R01W 5-07 43-04L 50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/13/2012 6:32 AM
Subject: Covenant SWD 2 Update

5/13/2012 6:29 AM

ND BOPE

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

MAY 15 2012

DIV. OF OIL, GAS & MINING

Carol Daniels - Covenant SWD 2 Update

T 235 R01W 5-07 43-041-50008

From: "Wolverine Exploration Rig" <wolvexpl@drillmail.net>
To: "Daniels, Carol" <caroldaniels@utah.gov>, "Doucet, Dustin" <dustindouc...>
Date: 5/12/2012 6:38 AM
Subject: Covenant SWD 2 Update

5/12/2012 6:35 AM

Circulating at TD, 10191'

Steve Carmack
Drilling Supervisor
Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD 2, AFE 255
Rig (970) 361-3276
Cell (970) 261-1018
wolvexpl@drillmail.net

RECEIVED

MAY 15 2012

DIV. OF OIL, GAS & MINING

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: Patented
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME: WOLVERINE
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: Covenant SWD 2
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC	9. API NUMBER: 43041500080000
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: 0928 FSL 0044 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: SEVIER
	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: 5/31/2012	<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 for drilling details

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 June 06, 2012**

NAME (PLEASE PRINT) Helene Bardolph	PHONE NUMBER 616 458-1150	TITLE Engineering Administrative Assistant
SIGNATURE N/A	DATE 6/6/2012	

CONTINTUED CONFIDENTIAL STATUS REQUESTED

Wolverine State SWD #2
Sec 7, T23S, R1W
Sevier Co, UT
API: 43041500080000, spud on 3-3-2012

5-1-2012: Depth 8991', TIH, MW 11.5, Vis. 86, FL 6.4, Surveys: 1.75 @8981'

5-2-2012: Depth 8991', Set casing, MW 11.5, Vis. 81, FL 6.3, Surveys: 1.75 @ 8981'

5-3-2012: Depth 8991', Set casing, MW 10.8, Vis. 78, FL 8.5, Surveys: 1.75 @8981'

5-4-2012: Depth 8991', Set casing, MW 0, Vis. 0, FL 0, Surveys: 1.75 @8981'

5-5-2012: Depth 8991', Set casing, MW 8.5, Vis. 73, FL 11.8, Surveys: 1.75 @8981'

5-6-2012: Depth 9075', Drilling, MW 8.4, Vis. 56, FL 8.8, Surveys: 1.75 @8981'

5-7-2012: Depth 9239', Drilling, MW 8.4, Vis 86, FL 8.0, Surveys: 1.71 @9111.'

5-8-2012: Depth 9410', Drilling, MW 8.5 Vis 78, FL 6.8, Surveys: 3.12 @ 9302'

5-9-2012: Depth 9560', Drilling, MW 8.5, Vis 89, FL 6.8, Surveys: 5.49 @9492'

5-10-2012: Depth 9858', Drilling, MW 8.5, Vis. 63, FL 7.9, Surveys: 6.11 @ 9776'

5-11-2012: Depth 10,047', TIH, MW 8.5, Vis 65, FL 7.2, Surveys: 5.49 @ 9967'

5-12-2012: Depth 10,191', TOH, drilling, MW 8.5, Vis 70, FL 6.3, Surveys: 5.49 @ 9967'

5-13-2012: Depth 10,191', MW 8.8, Vis 27, FL 30.0, Surveys: 5.49 @9967'

5-14-2012: Depth 10,191', Rig Released, MW: No report, Surveys: 8.80 @ 10,151''

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: Patented
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: Covenant SWD 2
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC	9. API NUMBER: 43041500080000
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: 0928 FSL 0044 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: SEVIER
	STATE: UTAH

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

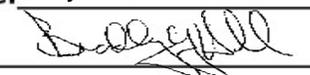
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/16/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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 type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Complete"/>

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

Wolverine will begin completion operations on 07/16/2012 for the SWD-2 well. The disposal well will be flowed back with foam until returns are clean and a permanent 3-1/2" fiberglass lined tubing sting will be run and set with a packer at 8800' MD. Please see the attached procedure for additional details. A Completion Report and UIC permit will follow via US mail. If there are any questions about this well after 7/20/2012 please contact Ed Higuera at 616-929-1929 or ehiguera@wolvgas.com.

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

Date: July 16, 2012

By: 

NAME (PLEASE PRINT) Matthew Rivers	PHONE NUMBER 616 458-1150	TITLE Production Engineer
SIGNATURE N/A	DATE 7/12/2012	

**Wolverine Gas & Oil Company of Utah, LLC
Workover Procedure**

**Covenant SWD-2
Covenant Field**

Purpose: Flow back and complete well

PERTINENT INFORMATION

Location: 40' FEL, 921' FSL (SESE)
Section 7, Township 23 South, Range 1 West
Sevier County, Utah

Elevation: 5596' GL, 5620' KB

TD: 10191'

PBTD: xxxx'

API No.: 43-041-50008

Casing: 10-3/4", 45.5#, J-55, LT&C @ 1887', cemented with 324 sks 50:50 Poz
7-5/8", 39.0#, L-80/P-110, LT&C @ 8994', cemented with 1770 sks 50:50 Poz
7-5/8" stage collar @ 8555'

Wellhead: Tubing Head Flange – 7-1/16" 5k, 2-3/8" EUE top connection

Tubing: 3-1/2", 9.30#, L-80, LT&C 8rd Fiberglass Lined
ID: 2.75" Drift: 2.44" Effective Weight: 10.0#
Collapse: 10,540 psi Burst: 10,160 psi (80% 8128 psi)

Production Casing Specs: 7-5/8", 39.0#, L-80, LT&C, 8rd, ID: 6.625" Drift: 6.500"
Collapse: 8830 psi Burst: 9180 psi (80% 7344 psi)

Capacities:

7-5/8", 39.0#:	0.04263 Bbls/ft	0.2394 ft ³ /ft
3-1/2", 2.75" ID	0.00735 Bbls/ft	0.04125 ft ³ /ft
2-7/8", 6.5#	0.00579 Bbls/ft	0.03250 ft ³ /ft
7-5/8" x 2-7/8" Annulus	0.0346 Bbls/ft	0.1943 ft ³ /ft
7-5/8" x 3-1/2" Annulus	0.0307 Bbls/ft	0.1724 ft ³ /ft

BH Temperature: 222 °F (SWD-1 open hole log)

Navajo Open Hole:

8994' – 10,191' MD, (8922' - 10,114' TVD), 6-1/2" hole

PROCEDURE

1. Prepare location for workover and test rig anchors.
2. Spot three 500 Bbl frac tanks and fill two clean tanks, each with completion fluid (CF) consisting of 4% KCL fresh water containing 21 gallons (1000 ppm) Baker Petrolite WAW 3003 non-ionic surfactant, and 5.25 gallons (250 ppm) XC102W biocide.
3. MIRUSU. ND wellhead and NU BOP for 2-7/8" tubing.
4. Install a secured steel blooie line with choke running from the 7-5/8" casing valve to a flow-back tank for foam.
5. RIH with a 4-3/4" bit (no nozzles), and 2-7/8" tubing to 6000' and install float and stripper head.
6. RU Weatherford foam unit with air compressor and fluid pump. Unload well at 6000' with air/liquid rates and chemicals as recommended by Weatherford then continue to 8994' (casing shoe). Unload well and circulate clean foam to surface before continuing to TD ($\pm 10,191'$). Circulate foam at TD until returns are clean. Circulate 400 Bbls of CF to displace foam and load well. RD and release Weatherford foam unit.
7. POOH with 2-7/8" tubing to 8900', lay down tubing and shut down for night. Leave casing valve open and allow well to flow back through a choke overnight.
8. Finish POOH laying down tubing and tools. Change BOP rams for 3-1/2" pipe.
9. RU wireline unit. Round trip a 6.50" gauge ring to 8900'.
10. RIH with a 7-5/8" x 2-7/8" (39#) Weatherford Arrowset 1-X Nickel Coated Packer, 2-7/8" x 3-1/2" XO (nickel coated), and fiberglass lined 3-1/2", 9.30#, L-80, 8rd, LT&C tubing to ~8800'. Space out tubing to land tubing hanger in neutral. Seal assemblies are to be made-up and tubing is to be run and drifted per on-site CLS technician.
11. Rotate tubing 2-3 turns at surface (1/4 turn bottom-hole) to set slips on packer.
12. Reverse circulate 270 Bbls of completion fluid mixed with 113 gallons (1%) of Baker Petrolite CRW132 (for packer fluid) down casing to displace backside.
13. Pick up on tubing and pack-off packer.
14. Fill and pressure test the 7-5/8" x 3-1/2" annulus to 2000 psi.
15. Strip off the BOP, pull tension and lay down lift sub, install tubing hanger and land tubing neutral.
16. NU wellhead equipment, and connect injection lines.
17. RDMOSU.
18. Perform a Mechanical Integrity Test (MIT) by pressuring the tubing-casing annulus as directed by a UDOGM representative, but test to at least 1500 psi and monitor as necessary to assure that there is more than 2% pressure loss over a 15-minute period. File a report of the MIT as required by UDOGM.

43-041-50008



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:

3160

UTU80800X

(UT922100)

JUN 26 2012

RECEIVED

JUN 28 2012

DIV OF OIL, GAS & MINING

Covenant SWD 2
23S 1W 7

Mr. Richard Moritz
One Riverfront Plaza
55 Campau, N.W.
Grand Rapids, MI 49503-2616

Re: Automatic Contraction
Wolverine Unit
Sanpete & Sevier Counties, Utah

Dear Mr. Moritz:

Your letter of June 20, 2012, describes the lands automatically eliminated effective March 16, 2012, from the Wolverine Unit Area, Sanpete & Sevier Counties, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 68,062.645 acres, more or less, and contain all legal subdivisions, no parts of which are in the 7th Revision of the Navajo Participating Area "A" and the Initial Navajo 1 Formation - Carbon Sequestration a/k/a Providence Participating Area. As a result of the automatic elimination, the unit is reduced to 2,080.92 acres.

The following Federal Leases are entirely eliminated from the unit area.

UTU 73155	UTU 74851	UTU 78183	UTU 82687
UTU 73157	UTU 74852	UTU 80587	UTU 82690
UTU 73158	UTU 74853	UTU 80906	UTU 80951
UTU 73160	UTU 74854	UTU 80908	
UTU 73529	UTU 76453	UTU 80909	
UTU 73530	UTU 76454	UTU 80910	
UTU 74370	UTU 76455	UTU 80911	
UTU 74850	UTU 76456	UTU 80955	

The following Federal Leases are partially eliminated from the unit area.

UTU 73156	UTU 73528	UTU 80907
-----------	-----------	-----------

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

CONFIDENTIAL
AMENDED REPORT FOR 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: **ML-46605**

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

7. UNIT or CA AGREEMENT NAME: **Wolverine Federal Unit**

8. WELL NAME and NUMBER: **Covenant SWD 2**

9. API NUMBER: **4304150008**

10. FIELD AND POOL, OR WMLDCAT: **Undesignated**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESE 7 23S 1W S**

12. COUNTY: **Sevier** 13. STATE: **UTAH**

14. DATE SPUDDED: **3/3/2012** 15. DATE T.D. REACHED: **5/12/2012** 16. DATE COMPLETED: **7/18/2012** ABANDONED READY TO PRODUCE 17. ELEVATIONS (DF, RKB, RT, GL): **5620 KB**

18. TOTAL DEPTH: MD **10,191** TVD **10,114.5** 19. PLUG BACK T.D.: MD **10,191** TVD **10,114** 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each): **DSN/DN/DL, Sonic, GR, BVP, ERMI, CBL, DLL**

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
30"	20" J55	106.5	0	114		Cl. G 420	88	surface	
14 3/4	10 3/4 J55	45.5	0	1,898	1,512	Cl. G 943	300	surface	
9 7/8	7 5/8 L80	39	0	5,480		Cl. G 845	29	7425	
	7 5/8	39	5,480	8,984	8,555	Lead G 925	292	surface	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3 1/2	8,794	8,780						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Navajo	8,984	10,191	8,912	10,114
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
8,984 10,191	6 1/2		Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
	RECEIVED
	DEC 07 2012

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

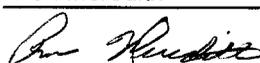
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Navajo	8,937	10,191	Sandstone, water	Twin Creek Navajo	8,516 8,937

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Ron Meredith TITLE Senior Production Engineer
 SIGNATURE  DATE 12/6/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
 Fax: 801-359-3940



Covenant Field
SWD #2
API# 43-041-50008

Section 7, Township 23 South, Range 1 West
Sevier County, Utah

- 6/10/2012 RU wireline unit and run DLL-MSFL/SP over the entire open hole interval. Run repeat section from 9200' to 9350' WLM. Run #2: CSNG/SDL-DSN over the entire open hole interval. Run repeat section from 9200' to 9350' WLM. Run #3: CBL (OH Sonic/GR/CCL w/ casing centralizer) over entire cased hole interval from 8994' WLM to surface. Run repeat section from 8900' to 8750' WLM. RD and released wireline unit.
- 7/10/2012 MIRUSU, ND wellhead, NU BOP's. SWIFN
- 7/11/2012 Opened well, picked up and run in hole with 4 3/4" bit and 322 joints of 2 7/8" tubing. Pulled out of hole standing back tubing to 6002'
Note: Tagged bottom at 10180' KB tubing measurement.
Plan to rig up foam unit to clean out open hole section of well
- 7/16/2012 Opened well, 0 psi. RU Weatherford foam unit and circulated well clean at 6002', RD pump lines, tripped in hole with tubing to 8994', RU pump lines and circulated well clean, RD pump lines and tripped in hole with tubing to 10,149' RU pump lines and pumped bottoms up twice. RD and released foam unit. RU pump lines and circulated 400 bbls of 4% KCL water with XC 102W biocide and WAW 3003 non-ionic surfactant. RD pump lines and pulled out of the hole laying down tubing to 8900'. SWIFN
Plan to lay down 2 7/8" tubing and prepare to install 3 1/2" fiberglass lined tubing.
- 7/17/2012 Opened well, 0 psi. Pulled out of hole laying down 2 7/8" tubing. Changed out BOP pipe rams for 3 1/2" tubing. RU wireline unit and round tripped 6.4" gauge ring to 8900'. RD and released wireline unit. Unloaded 3 1/2" Composite lined tubing onto pipe racks. SWIFN
Plan to install 3 1/2" tubing.
- 7/18/2012 Opened well, 0 psi. Picked up and run in hole with Arrowset 1x nickel coated packer, 2 7/8" x 3 1/2" nickel coated XO, 6' x 3 1/2" sub, 269 joints 3 1/2" tubing, 6' x 3 1/2" sub and tubing hanger. Set packer in neutral and pressure tested to 1500 psi. ND BOP, NU wellhead. SWIFN
Note: See CLS Tubing tab for details on the tubing installed.
Plan to RDMOSU
- 7/19/2012 RMMOSU, cleaned up location.

Supervisor: Tony E. Cook

Rig Operator:

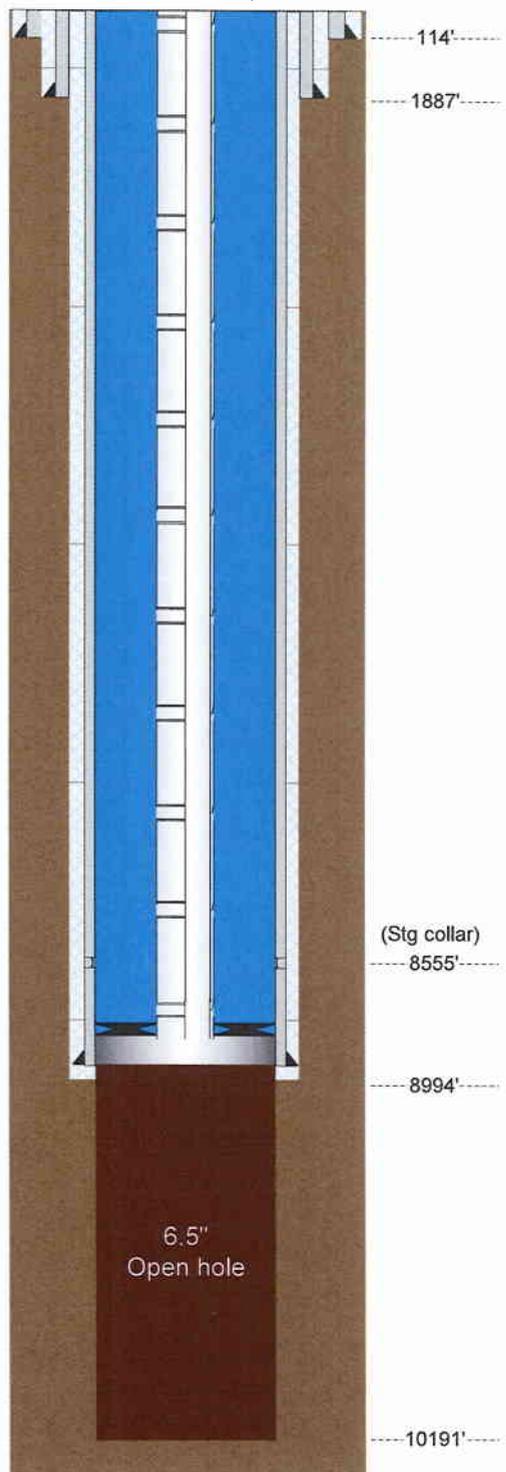
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Covenant SWD-2
API # 43-041-50008
Covenant Field
Section 7, T23S, R1W
Sevier County, Utah

Ground Elevation: 5,596'
KB Elevation: 5,620'



(Not to Scale)

Deviated Well

Surface: 40' FEL 921' FSL, SE SE, 7-23S-1W
Top of Pay (8,994' MD): 644' FEL, 193' FSL, SE SE, 7-23S-1W
Total Depth (10,191' MD): 554' FEL, 161' FSL, SE SE, 7-23S-1W

Conductor Casing (02/26/12)

Size: 20", 106.5#, J-55
Depth Landed: 144' KB
Cement Data: Cemented to surface

Surface Casing (03/22/12)

Size/Wt/Grade: 10-3/4", 45.5#, J-55, LTC, 8rd
Depth Landed: 1887' KB
Cement Data: 324 sks Class G (15.8 ppg, 1.16 cf/sk)

Production Casing (05/04/12)

Size/Wt/Grade: 7-5/8", 39#, L-80/P-110, LTC 8rd
Properties (L-80): Burst 9180 psi, Drift 6.500", ID 6.625", 0.04263 Bbl/ft
Depth Landed: 8994' KB
Stage Collar: 8555' KB
Cement Data: Stage 1
105 sks Class G (15.8 ppg, 1.55 cf/sk)
Stage 2
Lead 925 sks (13.5 ppg, 1.78 cf/sk)
Tail 740 sks Class G (15.8 ppg, 1.53 cf/sk)

Tubing

Size/Wt/Grade: 3 1/2", 9.3#, L-80, LT&C 8rd Fiberglass lined
Properties ID 2.75" Drift 2.44" Effective weight 10.0#
Collapse 10,540 psi, Burst 10,160 psi (80% 7344 psi)
Bbl/ft .007347

(Stg collar)
8555'

Navajo Openhole

8994' - 10,191' MD, (8922' - 10,114' TVD)

Mid-Depth = 9593' MD (9520' TVD), 1197' M (1195' TV), 6-1/2" hole

PBSD

(07/11/12) Tubing tagged 10,180' MD

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Covenant SWD-2
 API # 43-041-50008
 Covenant Field
 Section 7, T23S, R1W
 Sevier County, Utah

Tubing Detail (7/18/12)

	24.00	KB	
	6.03	Tubing sub	3-1/2", 10.0#, L-80, LT&C, 8rd (10.0 ppf with fiberglass lining)
269	8751.58	Tubing	3-1/2", 10.0#, L-80, LT&C, 8rd (10.0 ppf with fiberglass lining)
1	6.03	Tubing sub	3-1/2", 10.0#, L-80, LT&C, 8rd (10.0 ppf with fiberglass lining)
1	0.48	XO	2 7/8" x 3 1/2" NI coated
1	7.65	Packer	Arrowset 1X NI coated
	<u>-2.0</u>		Landed above GL
	8793.77	EOT	

Note: Tubing landed in neutral.

Directional Data:

MD	TVD	Incl.	MD	TVD	Incl.
1000	1000	0.3	6000	5948	8.3
1500	1499	7.8	6500	6442	8.5
2000	1992	8.6	7000	6937	8.3
2500	2486	8.9	7500	7431	8.4
3000	2980	8.6	8000	7928	2.3
3500	3475	8.6	8500	8428	0.1
4000	3969	8.4	9000	8928	1.5
4500	4464	8.4	9500	9427	5.5
5000	4958	8.3	10000	9925	5.7
5500	5453	8.3	10151	10075	8.8

Wellhead Information:

- Tubing head flange is 7-1/16", 5M

Notes:

SHL: 38.81269042/-111.94221731 DD NAD83
 (06/09/12): Available Logs: DLL/MSFL, SDL/DSN, CBL

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ACTUAL WELLPATH REPORT (CSV version)																			
Prepared by Baker Hughes																			
Software System: WellArchitect®3.0.2																			
REFERENCE WELLPATH IDENTIFICATION																			
Operator							WOLVERINE GAS & OIL COMPANY												
Area							UTAH												
Field							SEVIER COUNTY UTM Zone												
Facility							SEC.07-T23S-R1W												
Slot							SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL, SEC. 07)												
Well							WOLVERINE COVENANT SWD #2												
Wellbore							Wolverine Covenant SWD #2 AWB												
Wellpath							Wolverine Covenant SWD #2 AWP												
Sidetrack							(none)												
REPORT SETUP INFORMATION																			
Projection System							NAD83 / UTM Zone 12 North, US feet												
North Reference							TRUE												
Scale							0.999682												
Convergence at slot							0.59° West												
Software System							WellArchitect®												
User							Balldown												
Report Generated							4/21/2012 at 3:37:16 AM												
DataBase/Source file							WellArchitectDB/ev89.xml												
WELLPATH LOCATION							Local North	Local East	Grid East	Grid North	Latitude	Longitude							
							[ft]	[ft]	[US ft]	[US ft]									
Slot Location							0	0	1372046	14095837	38°48'45.9	111°56'31.817"W							
Facility Reference Pt									1372046	14095837	38°48'45.9	111°56'31.817"W							
Field Reference Pt									1368929	14088610	38°47'34.1	111°57'10.250"W							
WELLPATH DATUM																			
Calculation method							Minimum curvature												
Horizontal Reference Point							Slot												
Vertical Reference Point							HP FLEX 280 (RKB)												
MD Reference Point							HP FLEX 280 (RKB)												
Field Vertical Reference							Mean Sea Level												
HP FLEX 280 (RKB) to Facility Vertical Datum							5619.57ft												

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HP FLEX 280 (RKB) to Mean Sea Level	5619.57ft							
HP FLEX 280 (RKB) to Mud Line at Slot (SLOT #01 WOLVERINE COVENANT SWD #2 (32' FEL & 951' FSL	SEC. 07))	5619.57ft						
Section Origin X	0.00ft							
Section Origin Y	0.00ft							
Section Azimuth	219.53°							

WELL PATH DATA Wellbore: Wolverine Covenant SWD #2 AWB Wellpath: Wolverine Covenant SWD #2 AWP † = interpolated/extrapolated station

	MD	Inclination	Azimuth	TVD	Vert Sect	North	East	DLS
	[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[°/100ft]
†	0	0	138	0	0	0	0	0
	24	0	138	24	0	0	0	0
	150	0.36	138	150	0.06	-0.29	0.26	0.29
	244	1.34	142	243.99	0.34	-1.38	1.14	1.04
	333	0.5	130.69	332.98	0.57	-2.45	2.07	0.96
	424	0.19	290.67	423.97	0.63	-2.66	2.23	0.75
	515	0.09	143.66	514.97	0.69	-2.66	2.14	0.3
	605	0.53	162.9	604.97	0.94	-3.12	2.3	0.5
	697	0.2	106.62	696.97	1.11	-3.57	2.58	0.49
	787	0.35	114.95	786.97	0.98	-3.73	2.98	0.17
	879	0.13	198.86	878.97	1.01	-3.95	3.2	0.39
	971	0.28	77.84	970.97	0.93	-4	3.39	0.4
	1062	0.43	212.62	1061.97	1.09	-4.24	3.42	0.72
	1156	1.76	244.15	1155.95	2.76	-5.17	1.93	1.5
	1251	3.47	239.03	1250.85	6.79	-7.28	-1.85	1.81
	1345	4.6	238.2	1344.61	13.05	-10.73	-7.49	1.2
	1439	6.21	240.02	1438.19	21.38	-15.26	-15.1	1.72
	1534	8.66	236.92	1532.39	33.02	-21.73	-25.54	2.61
	1628	9.28	232.63	1625.24	47.16	-30.2	-37.5	0.97
	1905	10.55	228.82	1898.1	93.94	-60.45	-74.34	0.52
	2000	8.61	226.5	1991.77	109.58	-71.07	-86.04	2.08
	2094	8.67	213.09	2084.71	123.61	-81.85	-95.01	2.14
	2188	8.54	212.13	2177.65	137.57	-93.7	-102.59	0.21
	2282	8.64	212.78	2270.6	151.5	-105.55	-110.13	0.15
	2377	8.76	218.67	2364.51	165.82	-117.19	-118.51	0.95
	2472	8.96	217.2	2458.37	180.45	-128.73	-127.51	0.32
	2565	8.74	215.4	2550.27	194.73	-140.26	-135.98	0.38
	2659	8.52	210.41	2643.2	208.73	-152.09	-143.64	0.83

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	2754	8.68	216.37	2737.14	222.83	-163.93	-151.45	0.95
	2847	8.51	215.83	2829.09	236.71	-175.16	-159.64	0.2
	2941	8.55	206.27	2922.06	250.45	-187.07	-166.81	1.51
	3036	8.64	206.97	3015.99	264.29	-199.76	-173.17	0.15
	3130	8.74	211.89	3108.91	278.26	-212.11	-180.14	0.8
	3225	8.63	217.82	3202.83	292.54	-223.87	-188.33	0.95
	3320	8.59	222.76	3296.76	306.75	-234.71	-197.51	0.78
	3414	8.87	221.96	3389.67	321	-245.26	-207.13	0.32
	3507	8.57	222.4	3481.59	335.08	-255.7	-216.59	0.33
	3601	8.82	219.87	3574.51	349.28	-266.41	-225.93	0.49
	3697	8.57	219.98	3669.41	363.79	-277.54	-235.25	0.26
	3791	8.83	221.24	3762.33	378.01	-288.33	-244.5	0.34
	3885	8.61	226.43	3855.24	392.21	-298.6	-254.36	0.87
	3979	8.52	219.32	3948.2	406.15	-308.84	-263.87	1.13
	4073	8.05	216.1	4041.22	419.69	-319.55	-272.16	0.7
	4168	8.5	215.21	4135.23	433.33	-330.66	-280.13	0.49
	4263	8.62	219.91	4229.17	447.45	-341.85	-288.74	0.75
	4357	8.53	222.89	4322.12	461.45	-352.37	-298.01	0.48
	4451	8.49	226.57	4415.08	475.3	-362.24	-307.79	0.58
	4556	8.39	214.5	4518.96	490.62	-373.89	-317.76	1.69
	4640	8.37	211.53	4602.06	502.78	-384.15	-324.43	0.52
	4734	8.42	214.86	4695.05	516.42	-395.63	-331.94	0.52
	4830	8.36	220.16	4790.03	530.4	-406.73	-340.46	0.81
	4922	8.44	220.34	4881.04	543.84	-416.99	-349.14	0.09
	5016	8.44	217.18	4974.02	557.63	-427.74	-357.78	0.49
	5111	7.94	211.62	5068.05	571.09	-438.88	-365.43	0.99
	5205	8.29	219.39	5161.12	584.3	-449.65	-373.13	1.22
	5299	8.5	223.26	5254.11	598.01	-459.94	-382.19	0.64
	5393	8.03	218.94	5347.13	611.51	-470.11	-391.08	0.83
	5456	8.28	224.84	5409.5	620.43	-476.75	-397.05	1.39
	5490	8.36	224.28	5443.14	625.33	-480.26	-400.5	0.33
	5553	8.21	216.45	5505.48	634.38	-487.15	-406.37	1.81
	5616	8.22	214.98	5567.84	643.36	-494.46	-411.62	0.33
	5679	8.35	215.87	5630.18	652.42	-501.86	-416.89	0.29
	5774	8.53	216.87	5724.15	666.34	-513.08	-425.15	0.24
	5837	8.45	218.37	5786.46	675.64	-520.45	-430.83	0.37
	5868	8.16	218.72	5817.14	680.11	-523.95	-433.62	0.95
	5963	8.31	211.44	5911.16	693.65	-535.07	-441.42	1.11
	6057	8.38	223.59	6004.17	707.21	-545.83	-449.69	1.87

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	6151	8.57	216.67	6097.15	721.04	-556.41	-458.59	1.1
	6246	8.35	218.79	6191.11	735.01	-567.46	-467.14	0.4
	6340	8.5	228.16	6284.1	748.7	-577.42	-476.59	1.47
	6434	8.4	220.78	6377.09	762.43	-587.25	-486.25	1.16
	6528	8.5	217.2	6470.07	776.24	-597.98	-494.94	0.57
	6623	8.63	221.03	6564.01	790.38	-608.95	-503.86	0.62
	6686	8.5	224.14	6626.31	799.74	-615.86	-510.21	0.76
	6749	8.48	219.83	6688.62	809.03	-622.77	-516.42	1.01
	6812	8.42	216.95	6750.93	818.28	-630.02	-522.17	0.68
	6906	8.44	226.53	6843.92	832.01	-640.27	-531.32	1.49
	7000	8.34	217.23	6936.92	845.67	-650.44	-540.45	1.45
	7095	8.4	221.6	7030.91	859.48	-661.12	-549.22	0.67
	7189	8.57	226	7123.88	873.31	-671.12	-558.82	0.71
	7284	8.39	217.07	7217.85	887.26	-681.56	-568.09	1.4
	7378	8.5	217.85	7310.83	901.06	-692.52	-576.49	0.17
	7473	8.54	216.89	7404.78	915.12	-703.71	-585.03	0.16
	7567	8.22	218.04	7497.77	928.81	-714.58	-593.36	0.38
	7662	6.68	220.47	7591.97	941.13	-724.13	-601.13	1.65
	7756	7.01	227.41	7685.3	952.28	-732.17	-608.9	0.95
	7851	6.25	226	7779.67	963.16	-739.69	-616.89	0.82
	7945	4.03	226.6	7873.28	971.52	-745.51	-622.97	2.36
	8039	1.02	189.12	7967.18	975.52	-748.61	-625.5	3.49
	8134	0.43	26.96	8062.18	975.9	-749.13	-625.48	1.51
	8228	0.53	152.32	8156.18	975.73	-749.2	-625.12	0.91
	8322	0.45	185.2	8250.18	976.2	-749.95	-624.95	0.31
	8417	0.32	99	8345.17	976.37	-750.36	-624.72	0.56
	8511	0.06	216.89	8439.17	976.29	-750.45	-624.49	0.37
	8605	0.53	128.63	8533.17	976.33	-750.76	-624.18	0.57
	8700	0.51	76.54	8628.17	975.99	-750.93	-623.42	0.48
	**	8700	0.51	76.54	8628.17	975.99	-750.93	0.48
	9026	1.58	119.49	8954.31	974.04	-752.81	-618.10	0.38
	9111	1.71	129.60	9039.28	973.84	-754.19	-616.10	0.37
	9207	1.89	123.80	9134.93	973.68	-755.98	-613.69	0.27
	9302	3.12	107.98	9229.94	972.58	-757.65	-609.92	1.47
	9395	4.92	101.87	9322.91	969.79	-759.26	-603.60	1.98
	9492	5.49	102.48	9419.31	965.76	-761.11	-595.02	0.59
	9586	5.58	103.67	9513.07	961.71	-763.17	-586.17	0.15
	9681	5.89	104.77	9607.59	957.65	-765.50	-576.97	0.35
	9776	6.11	109.38	9702.07	953.87	-768.42	-567.48	0.56

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	9873	5.80	111.80	9798.55	950.60	-771.96	-558.06	0.41	
	9967	5.49	112.77	9892.09	947.86	-775.46	-549.51	0.35	
	10067	6.00	100.70	9991.00	943.98	-778.27	-540.02	1.32	
	10115	7.90	95.90	10039.24	940.91	-779.08	-534.20	4.08	
	10151	8.80	93.30	10074.86	937.91	-779.49	-528.99	2.71	
				40					
**Combined MWD directional survey dated 05-14-2012 (MCR 05-31-2012)									
	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude	
T A R G E T S	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			
Name		1.5	-774.25	-632.78	1371405	14095069	38°48'38.2	111°56'39.811"W	
		10119.5	-774.23	-632.77	1371405	14095069	38°48'38.2	111°56'39.811"W	
WOLVERINE COVENANT SWD #2_SECTION 07		10119.5	-774.25	-632.78	1371405	14095069	38°48'38.2	111°56'39.811"W	
WOLVERINE COVENANT SWD #2_BHL TARGET_REV 1 (200' FSL / 649' FEL, SEC. 07)									
WOLVERINE COVENANT SWD #2_SECTION LINES									
	Start MD	End MD	Pos Unc Model						
WELLPATH COMPOSITION Ref Wellbore: Wolverine Covenant SW	[ft]	[ft]							
Log Name/Comment	24	1628	Unknown Tool (Standard)						
	1628	8700	Unknown Tool (Standard)						
14 3/4" Hole Section									
9 7/8" Hole Section									

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**WOLVERINE GAS AND OIL COMPANY
OF UTAH, LLC**

Energy Exploration in Partnership with the Environment

July 19, 2012

RECEIVED

JUL 20 2012

DIV. OF OIL, GAS & MINING

Mr. Brad Hill
Utah Division of Oil, Gas & Mining
1594 West North Temple
Suite 1210
Salt Lake City, UT 84116-3154

43 0A1 50008
23S 1W 7

Re: Covenant SWD 2

Dear Mr. Hill,

Enclosed are the following documents:

Covenant SWD 2, Well Completion Form 8
Covenant SWD 2 UI Form 1

Also enclosed are copies of logs, mudlog, and the directional survey for this wellbore.

If you have any questions or concerns regarding the above mentioned document, please feel free to contact either myself or Ed Higuera, Development Manager, Wolverine Gas & Oil at 616-458-1150, address: One Riverfront Plaza, 55 Campau NW, Grand Rapids, MI 49503.

Sincerely,

Helene Bardolph
Engineering Administrative Assistant

Enclosures

cc: Mr. Stan Andersen, BLM

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

RECEIVED
JUL 20 2012

AMENDED REPORT FORM 8
(highlight changes)

DIV. OF OIL, GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER water disposal

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

7. UNIT or CA AGREEMENT NAME: Wolverine Federal Unit

8. WELL NAME and NUMBER: Covenant SWD 2

2. NAME OF OPERATOR: Wolverine Gas & Oil Company of Utah, LLC

9. API NUMBER: 4304150008

3. ADDRESS OF OPERATOR: 55 Campau NW CITY Grand Rapids STATE MI ZIP 49503 PHONE NUMBER: (616) 458-1150

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 40' FEL 921' FSL, SE SE, 7-23S-1W
AT TOP PRODUCING INTERVAL REPORTED BELOW: 644' FEL, 193' FSL, SE SE, 7-23S-1W
AT TOTAL DEPTH: 554' FEL, 161' FSL, SE SE, 7-23-1W

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 7 23S 1W S

12. COUNTY: Sevier 13. STATE: UTAH

14. DATE SPURRED: 3/3/2012 15. DATE T.D. REACHED: 5/12/2012 16. DATE COMPLETED: 6/19/2012 ABANDONED READY TO PRODUCE 17. ELEVATIONS (DF, RKB, RT, GL): 5620' KB

18. TOTAL DEPTH: MD 10,191 19. PLUG BACK T.D.: MD _____ 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
DSN/DN/DL, Sonic, GR, BVP, ERMI, CBL, DLL

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
30	20 J-55	106.5	0	114		G 420	87	surface	
14-3/4	10-3/4 J-55	45.4	0	1,887		G 324	67	surface	
9-7/8	7-5/8 L-80	39	0	5,863					
9-7/8	7-5/8 P114	39	5,863	8,994	8,555	G 1,774	524	surface	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3-1/2	8,791	8,791						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Navajo	8,994	10,191	8,922	10,114				Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

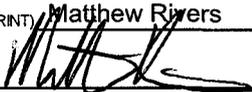
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Navajo	8,937	10,191	Water	Arapien Twin Creek Navajo	0 8,516 8,937

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Matthew Rivers TITLE Production Engineer
 SIGNATURE  DATE 7/19/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801
 Phone: 801-538-5340
 Fax: 801-359-3940

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Wolverine Gas and Oil Company of Utah, LLC	Utah Account Number N	Well Name and Number Covenant SWD-2
Address of Operator 55 Campau NW CITY Grand Rapids STATE MI ZIP 49503	Phone Number (616) 490-1150	API Number 4304150008
Location of Well Footage : 40' FEL, 921' FSL County : Sevier QQ, Section, Township, Range: SESE 7 23S 1W State : UTAH		Field or Unit Name Covenant Lease Designation and Number

Is this application for expansion of an existing project? Yes No

Will the proposed well be used for:	Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes No

If this application is for an existing well, has a casing test been performed? Yes No
Date of test: 7/18/2012

Proposed injection interval: from 8,994 to 10,191

Proposed maximum injection: rate 10,000 bpd pressure 1,530 psig

Proposed injection zone contains oil , gas , and / or fresh water within 1/2 mile of the well.

List of attachments: Cover Letter, Completion Report, Logs, Directional Survey, Injection Water Analysis, Well Bore Diagram

**ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES**

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Matthew Rivers Title Production Engineer
Signature  Date 7/19/2012

Water Analysis Report



Baker Petrolite

WOLVERINE
COVENANT
SWD-1
WELLHEAD

Account Manager
R.BILLS

Summary of Entered Data			Sample 59954WOL @ 75°F				
Sampling Date	16Dec11	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date	9Jan12	Chloride	12,198	344	Sodium	7,751	337
Analyst	JIALOR CHEUNG/IRENE LOPEZ	Bicarbonate	652	10.7	Magnesium	58.6	4.82
		Carbonate	N/A	N/A	Calcium	329	16.4
TDS (mg/l or g/m ³)	22,631	Sulfate	1,400	29.1	Strontium	20.3	0.46
Density (g/cm ³ or tonne/m ³)	1.0147	Phosphate	N/A	N/A	Barium	0.15	0.00
Anion/Cation Ratio	1.06	Borate	N/A	N/A	Iron	6.32	0.23
		Silica	47.1	0.00	Potassium	168	4.30
					Aluminum	N/A	N/A
					Chromium	N/A	N/A
					Copper	N/A	N/A
		pH at time of sampling		5.70	Lead	N/A	N/A
		pH at time of analysis		6.77	Manganese	0.19	0.01
		pH used in Calculations		5.70	Nickel	N/A	N/A

Specific ion interactions calculated for ions in bold faced type; other ions contribute to ionic strength.

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbf										
Temp.	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Fugacity psi
°F	psi											
80	0.0	-1.11		-0.77		-0.83		-0.22		0.77	0.07	13.49
100	0.0	-0.98		-0.80		-0.79		-0.22		0.61	0.07	17.43
120	0.0	-0.85		-0.81		-0.72		-0.21		0.47	0.06	21.64
140	0.0	-0.70		-0.81		-0.63		-0.19		0.36	0.05	25.96
160	0.0	-0.55		-0.81		-0.53		-0.16		0.27	0.04	30.21
180	0.0	-0.39		-0.80		-0.40		-0.13		0.20	0.03	34.24
200	0.0	-0.22		-0.78		-0.27		-0.09		0.14	0.02	37.91
220	2.5	-0.05		-0.77		-0.13		-0.05		0.10	0.02	41.12
240	10.3	0.13	20.4	-0.75		0.03	15	-0.01		0.08	0.01	43.82
260	20.8	0.32	45.4	-0.73		0.18	98	0.03	1.09	0.06	0.01	45.91
280	34.5	0.50	67.7	-0.72		0.34	165	0.07	2.28	0.06	0.01	47.42
300	52.3	0.69	87.2	-0.70		0.51	219	0.11	3.33	0.07	0.01	48.35

Precipitation of each scale is considered separately; total scale will be less than the sum of the amounts of the five scales.

The amount of scale indicates the severity of the problem; the index (equivalent to Stiff Davis SI) indicates how difficult it is to control the problem.

The CO₂ fugacity is reported. Under usual conditions it is essentially the same as the CO₂ partial pressure.

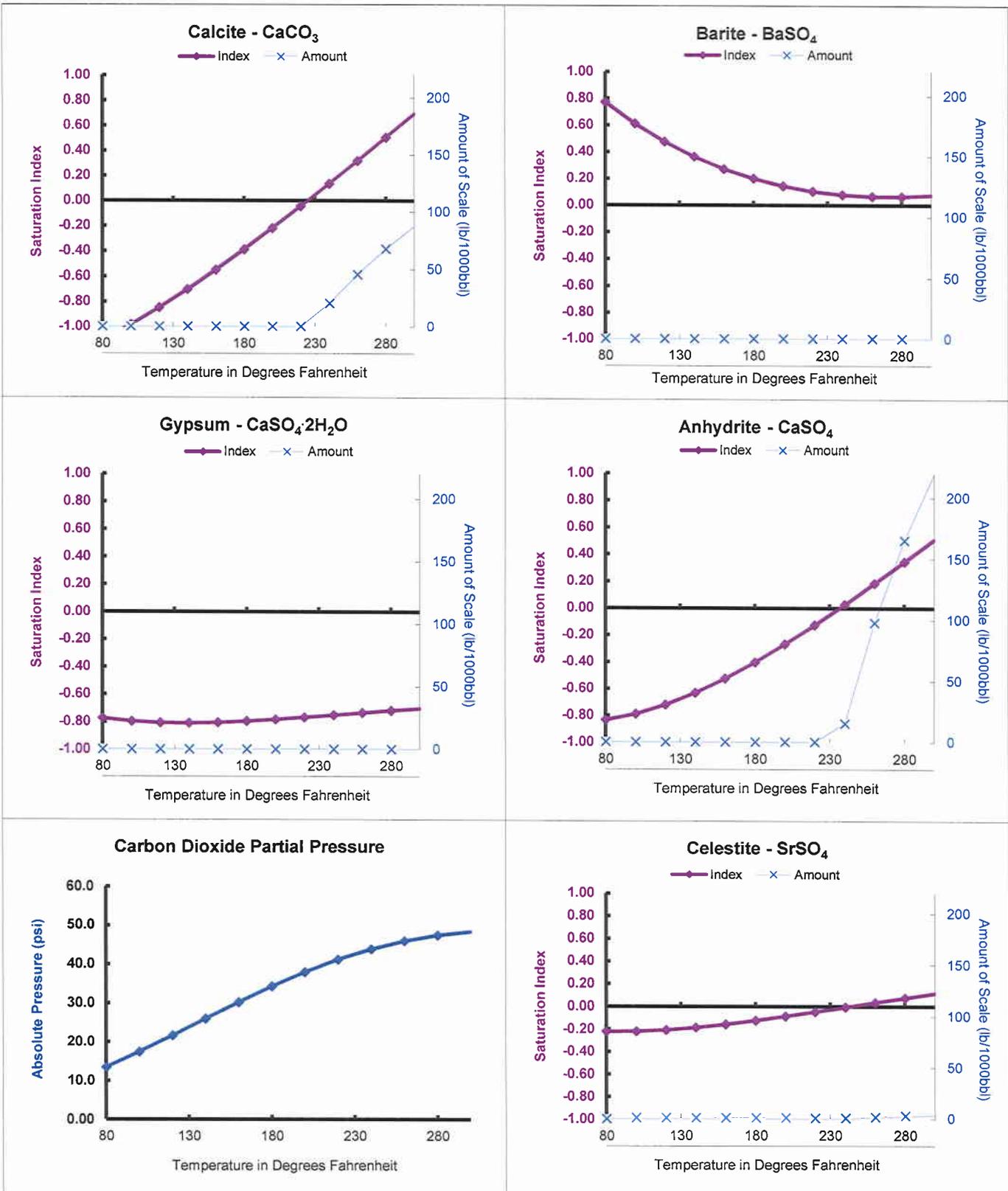
Disclaimer of Liability: Baker Petrolite Corporation and its affiliates (BPC) disclaim all warranties or representations express or implied, including any implied warranties of merchantability or fitness for a particular purpose or to the accuracy, correctness or completeness of such information herein or that reliance on such information will accomplish any particular result. All such information is furnished "as is" and by using such information the user is assuming all liabilities for the use or reliance on such information. BPC SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES OR LOSSES FROM ANY CAUSE WHATSOEVER INCLUDING BUT NOT LIMITED TO ITS NEGLIGENCE.

Scale Predictions



For Sample 59954WOL @ 75°F from WOLVERINE , COVENANT , SWD-1 , WELLHEAD , Jan/9/12

Baker Petrolite

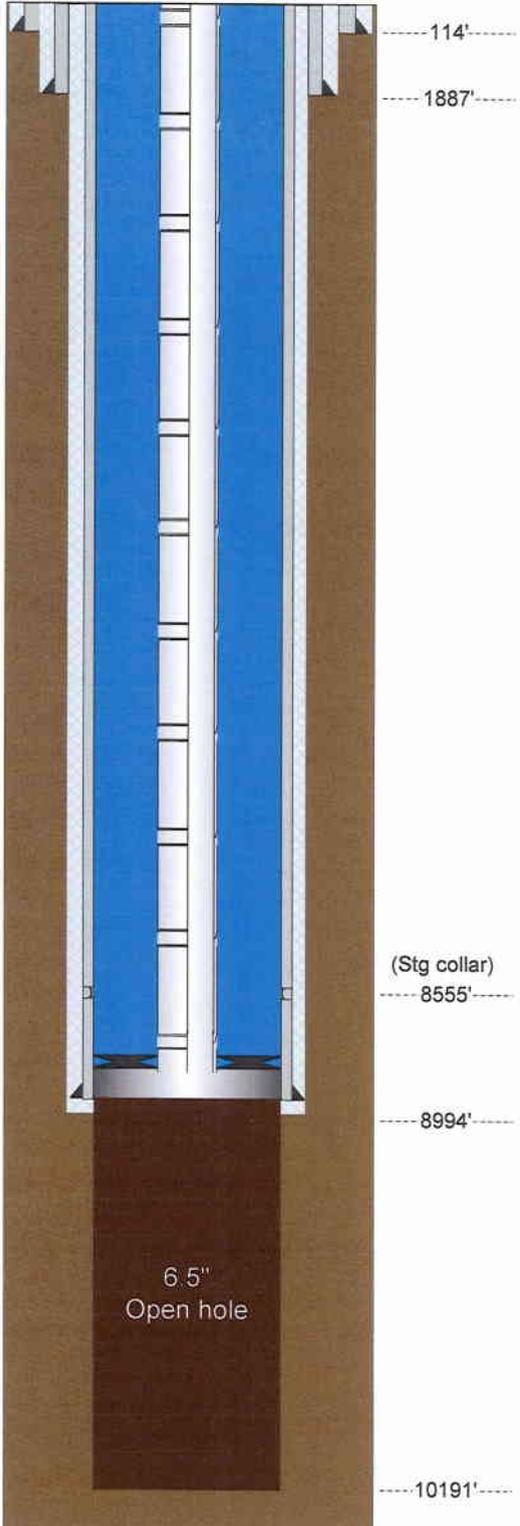




Covenant SWD-2
API # 43-041-50008
Covenant Field
Section 7, T23S, R1W
Sevier County, Utah

Ground Elevation: 5,596'

KB Elevation: 5,620'



(Not to Scale)

Deviated Well

Surface: 40' FEL 921' FSL, SE SE, 7-23S-1W
 Top of Pay (8,994' MD): 644' FEL, 193' FSL, SE SE, 7-23S-1W
 Total Depth (10,191' MD): 554' FEL, 161' FSL, SE SE, 7-23S-1W

Conductor Casing (02/26/12)

Size: 20", 106.5#, J-55
 Depth Landed: 144' KB
 Cement Data: Cemented to surface

Surface Casing (03/22/12)

Size/Wt/Grade: 10-3/4", 45.5#, J-55, LTC, 8rd
 Depth Landed: 1887' KB
 Cement Data: 324 sks Class G (15.8 ppg, 1.16 cf/sk)

Production Casing (05/04/12)

Size/Wt/Grade: 7-5/8", 39#, L-80/P-110, LTC 8rd
 Properties (L-80): Burst 9180 psi, Drift 6.500", ID 6.625", 0.04263 Bbl/ft
 Depth Landed: 8994' KB
 Stage Collar: 8555' KB
 Cement Data: Stage 1
 105 sks Class G (15.8 ppg, 1.55 cf/sk)
 Stage 2
 Lead 925 sks (13.5 ppg, 1.78 cf/sk)
 Tail 740 sks Class G (15.8 ppg, 1.53 cf/sk)

Tubing

Size/Wt/Grade: 3 1/2", 9.3#, L-80, LT&C 8rd Fiberglass lined
 Properties ID 2.75" Drift 2.44" Effective weight 10.0#
 Collapse 10,540 psi, Burst 10,160 psi (80% 7344 psi)
 Bbl/ft .007347

Navajo Openhole

8994' – 10,191' MD, (8922' - 10,114' TVD)

Mid-Depth = 9593' MD (9520' TVD), 1197' M (1195' TV), 6-1/2" hole

PBTD

(07/11/12) Tubing tagged 10,180' MD



Covenant SWD-2
 API # 43-041-50008
 Covenant Field
 Section 7, T23S, R1W
 Sevier County, Utah

Tubing Detail (7/18/12)

	24.00	KB	
	6.03	Tubing sub	3-½", 10.0#, L-80, LT&C, 8rd (10.0 ppf with fiberglass lining)
269	8751.58	Tubing	3-½", 10.0#, L-80, LT&C, 8rd (10.0 ppf with fiberglass lining)
1	6.03	Tubing sub	3-½", 10.0#, L-80, LT&C, 8rd (10.0 ppf with fiberglass lining)
1	0.48	XO	2 7/8" x 3 ½" NI coated
1	7.65	Packer	Arrowset 1X NI coated
	-2.0		Landed above GL
	8793.77	EOT	

Note: Tubing landed in neutral.

Directional Data:

MD	TVD	Incl.	MD	TVD	Incl.
1000	1000	0.3	6000	5948	8.3
1500	1499	7.8	6500	6442	8.5
2000	1992	8.6	7000	6937	8.3
2500	2486	8.9	7500	7431	8.4
3000	2980	8.6	8000	7928	2.3
3500	3475	8.6	8500	8428	0.1
4000	3969	8.4	9000	8928	1.5
4500	4464	8.4	9500	9427	5.5
5000	4958	8.3	10000	9925	5.7
5500	5453	8.3	10151	10075	8.8

Wellhead Information:

- Tubing head flange is 7-1/16", 5M

Notes:

SHL: 38.81269042/-111.94221731 DD NAD83
 (06/09/12): Available Logs: DLL/MSFL, SDL/DSN, CBL

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: Patented																														
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 Water Disposal Well	8. WELL NAME and NUMBER: Covenant SWD 2																															
2. NAME OF OPERATOR: WOLVERINE GAS & OIL COMPANY OF UTAH, LLC	9. API NUMBER: 43041500080000																															
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: UNDESIGNATED																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0928 FSL 0044 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 07 Township: 23.0S Range: 01.0W Meridian: S	COUNTY: SEVER																															
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: 7/16/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input type="text" value="Complete"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Complete"/>
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<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Complete"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Wolverine will begin completion operations on 07/16/2012 for the SWD-2 well. The disposal well will be flowed back with foam until returns are clean and a permanent 3-1/2" fiberglass lined tubing sting will be run and set with a packer at 8800' MD. Please see the attached procedure for additional details. A Completion Report and UIC permit will follow via US mail. If there are any questions about this well after 7/20/2012 please contact Ed Higuera at 616-929-1929 or ehiguera@wolvgas.com.																																
NAME (PLEASE PRINT) Matthew Rivers	PHONE NUMBER 616 458-1150	TITLE Production Engineer																														
SIGNATURE N/A	DATE 7/12/2012																															

**Wolverine Gas & Oil Company of Utah, LLC
Workover Procedure**

**Covenant SWD-2
Covenant Field**

Purpose: Flow back and complete well

PERTINENT INFORMATION

Location: 40' FEL, 921' FSL (SESE)
Section 7, Township 23 South, Range 1 West
Sevier County, Utah

Elevation: 5596' GL, 5620' KB

TD: 10191'

PBTD: xxxx'

API No.: 43-041-50008

Casing: 10-3/4", 45.5#, J-55, LT&C @ 1887', cemented with 324 sks 50:50 Poz
7-5/8", 39.0#, L-80/P-110, LT&C @ 8994', cemented with 1770 sks 50:50 Poz
7-5/8" stage collar @ 8555'

Wellhead: Tubing Head Flange – 7-1/16" 5k, 2-3/8" EUE top connection

Tubing: 3-1/2", 9.30#, L-80, LT&C 8rd Fiberglass Lined
ID: 2.75" Drift: 2.44" Effective Weight: 10.0#
Collapse: 10,540 psi Burst: 10,160 psi (80% 8128 psi)

Production Casing Specs: 7-5/8", 39.0#, L-80, LT&C, 8rd, ID: 6.625" Drift: 6.500"
Collapse: 8830 psi Burst: 9180 psi (80% 7344 psi)

Capacities:

7-5/8", 39.0#:	0.04263 Bbls/ft	0.2394 ft ³ /ft
3-1/2", 2.75" ID	0.00735 Bbls/ft	0.04125 ft ³ /ft
2-7/8", 6.5#	0.00579 Bbls/ft	0.03250 ft ³ /ft
7-5/8" x 2-7/8" Annulus	0.0346 Bbls/ft	0.1943 ft ³ /ft
7-5/8" x 3-1/2" Annulus	0.0307 Bbls/ft	0.1724 ft ³ /ft

BH Temperature: 222 °F (SWD-1 open hole log)

Navajo Open Hole:

8994' – 10,191' MD, (8922' - 10,114' TVD), 6-1/2" hole

PROCEDURE

1. Prepare location for workover and test rig anchors.
2. Spot three 500 Bbl frac tanks and fill two clean tanks, each with completion fluid (CF) consisting of 4% KCL fresh water containing 21 gallons (1000 ppm) Baker Petrolite WAW 3003 non-ionic surfactant, and 5.25 gallons (250 ppm) XC102W biocide.
3. MIRUSU. ND wellhead and NU BOP for 2-7/8" tubing.
4. Install a secured steel blooie line with choke running from the 7-5/8" casing valve to a flow-back tank for foam.
5. RIH with a 4-3/4" bit (no nozzles), and 2-7/8" tubing to 6000' and install float and stripper head.
6. RU Weatherford foam unit with air compressor and fluid pump. Unload well at 6000' with air/liquid rates and chemicals as recommended by Weatherford then continue to 8994' (casing shoe). Unload well and circulate clean foam to surface before continuing to TD ($\pm 10,191'$). Circulate foam at TD until returns are clean. Circulate 400 Bbls of CF to displace foam and load well. RD and release Weatherford foam unit.
7. POOH with 2-7/8" tubing to 8900', lay down tubing and shut down for night. Leave casing valve open and allow well to flow back through a choke overnight.
8. Finish POOH laying down tubing and tools. Change BOP rams for 3-1/2" pipe.
9. RU wireline unit. Round trip a 6.50" gauge ring to 8900'.
10. RIH with a 7-5/8" x 2-7/8" (39#) Weatherford Arrowset 1-X Nickel Coated Packer, 2-7/8" x 3-1/2" XO (nickel coated), and fiberglass lined 3-1/2", 9.30#, L-80, 8rd, LT&C tubing to ~8800'. Space out tubing to land tubing hanger in neutral. Seal assemblies are to be made-up and tubing is to be run and drifted per on-site CLS technician.
11. Rotate tubing 2-3 turns at surface (1/4 turn bottom-hole) to set slips on packer.
12. Reverse circulate 270 Bbls of completion fluid mixed with 113 gallons (1%) of Baker Petrolite CRW132 (for packer fluid) down casing to displace backside.
13. Pick up on tubing and pack-off packer.
14. Fill and pressure test the 7-5/8" x 3-1/2" annulus to 2000 psi.
15. Strip off the BOP, pull tension and lay down lift sub, install tubing hanger and land tubing neutral.
16. NU wellhead equipment, and connect injection lines.
17. RDMOSU.
18. Perform a Mechanical Integrity Test (MIT) by pressuring the tubing-casing annulus as directed by a UDOGM representative, but test to at least 1500 psi and monitor as necessary to assure that there is more than 2% pressure loss over a 15-minute period. File a report of the MIT as required by UDOGM.

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-46605

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT or CA AGREEMENT NAME
Wolverine Federal Unit

8. WELL NAME and NUMBER:
Covenant SWD 2

9. API NUMBER:
4304150008

10. FIELD AND POOL, OR WMLDCAT
Wildcat

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SESE 7 23S 1W S

12. COUNTY
Sevier

13. STATE
UTAH

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER **water disposal**

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR:
Wolverine Gas & Oil Company of Utah, LLC

3. ADDRESS OF OPERATOR: **55 Campau NW** CITY **Grand Rapids** STATE **MI** ZIP **49503** PHONE NUMBER: **(616) 458-1150**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **40' FEL, 921' FSL, SE SE, 7-23S-1W**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **644' FEL, 193' FSL, SE SE, 7-23S-1W**
AT TOTAL DEPTH: **554' FEL, 161' FSL, SE SE, 7-23-1W**

14. DATE SPURRED: **3/3/2012** 15. DATE T.D. REACHED: **5/12/2012** 16. DATE COMPLETED: **6/19/2012** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5620' KB

18. TOTAL DEPTH: MD **10,191** 19. PLUG BACK T.D.: MD _____ 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
DSN/DN/DL, Sonic, GR, BVP, ERMI, CBL, DLL

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
30	20 J-55	106.5	0	114		G 420	87	surface	
14-3/4	10-3/4 J-55	45.4	0	1,887		G 324	67	surface	
9-7/8	7-5/8 L-80	39	0	5,863					
9-7/8	7-5/8 P110	39	5,863	8,994	8,555	G 1,770	524	surface	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3-1/2	8,791	8,791						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Navajo	8,994	10,191	8,922	10,114				Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

29. ENCLOSED ATTACHMENTS:
 ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Navajo	8,937	10,191	Water	Arapien Twin Creek Navajo	0 8,516 8,937

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Matthew Rivers TITLE Production Engineer
 SIGNATURE  DATE 7/19/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Wolverine Gas and Oil Company of Utah, LLC	Utah Account Number N	Well Name and Number Covenant SWD-2
Address of Operator 55 Campau NW CITY Grand Rapids STATE MI ZIP 49503	Phone Number (616) 490-1150	API Number 4304150008
Location of Well Footage : 40' FEL, 921' FSL County : Sevier QQ, Section, Township, Range: SESE 7 23S 1W State : UTAH		Field or Unit Name Covenant Lease Designation and Number

Is this application for expansion of an existing project? Yes No

Will the proposed well be used for:

Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes No

If this application is for an existing well, has a casing test been performed? Yes No
Date of test: 7/18/2012

Proposed injection interval: from 8,994 to 10,191

Proposed maximum injection: rate 10,000 bpd pressure 1,530 psig

Proposed injection zone contains oil , gas , and / or fresh water within 1/2 mile of the well.

List of attachments: Cover Letter, Completion Report, Logs, Directional Survey, Injection Water Analysis, Well Bore Diagram

**ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES**

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Matthew Rivers Title Production Engineer
Signature  Date 7/19/2012

Water Analysis Report



Baker Petrolite

WOLVERINE
COVENANT
SWD-1
WELLHEAD

Account Manager
R.BILLS

Summary of Entered Data			Sample 59954WOL @ 75°F					
Sampling Date	16Dec11	Anions	mg/l	meq/l	Cations	mg/l	meq/l	
Analysis Date	9Jan12	Chloride	12,198	344	Sodium	7,751	337	
Analyst	JIALOR CHEUNG/IRENE LOPEZ	Bicarbonate	652	10.7	Magnesium	58.6	4.82	
		Carbonate	N/A	N/A	Calcium	329	16.4	
TDS (mg/l or g/m ³)	22,631	Sulfate	1,400	29.1	Strontium	20.3	0.46	
Density (g/cm ³ or tonne/m ³)	1.0147	Phosphate	N/A	N/A	Barium	0.15	0.00	
Anion/Cation Ratio	1.06	Borate	N/A	N/A	Iron	6.32	0.23	
		Silica	47.1	0.00	Potassium	168	4.30	
					Aluminum	N/A	N/A	
					Chromium	N/A	N/A	
					Copper	N/A	N/A	
		pH at time of sampling		5.70	Lead	N/A	N/A	
		pH at time of analysis		6.77	Manganese	0.19	0.01	
		pH used in Calculations		5.70	Nickel	N/A	N/A	

Specific ion interactions calculated for ions in bold faced type; other ions contribute to ionic strength.

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl										
Temp.	Gauge Press.	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		CO ₂
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Fugacity psi
80	0.0	-1.11		-0.77		-0.83		-0.22		0.77	0.07	13.49
100	0.0	-0.98		-0.80		-0.79		-0.22		0.61	0.07	17.43
120	0.0	-0.85		-0.81		-0.72		-0.21		0.47	0.06	21.64
140	0.0	-0.70		-0.81		-0.63		-0.19		0.36	0.05	25.96
160	0.0	-0.55		-0.81		-0.53		-0.16		0.27	0.04	30.21
180	0.0	-0.39		-0.80		-0.40		-0.13		0.20	0.03	34.24
200	0.0	-0.22		-0.78		-0.27		-0.09		0.14	0.02	37.91
220	2.5	-0.05		-0.77		-0.13		-0.05		0.10	0.02	41.12
240	10.3	0.13	20.4	-0.75		0.03	15	-0.01		0.08	0.01	43.82
260	20.8	0.32	45.4	-0.73		0.18	98	0.03	1.09	0.06	0.01	45.91
280	34.5	0.50	67.7	-0.72		0.34	165	0.07	2.28	0.06	0.01	47.42
300	52.3	0.69	87.2	-0.70		0.51	219	0.11	3.33	0.07	0.01	48.35

Precipitation of each scale is considered separately; total scale will be less than the sum of the amounts of the five scales.

The amount of scale indicates the severity of the problem; the index (equivalent to Stiff Davis SI) indicates how difficult it is to control the problem.

The CO₂ fugacity is reported. Under usual conditions it is essentially the same as the CO₂ partial pressure.

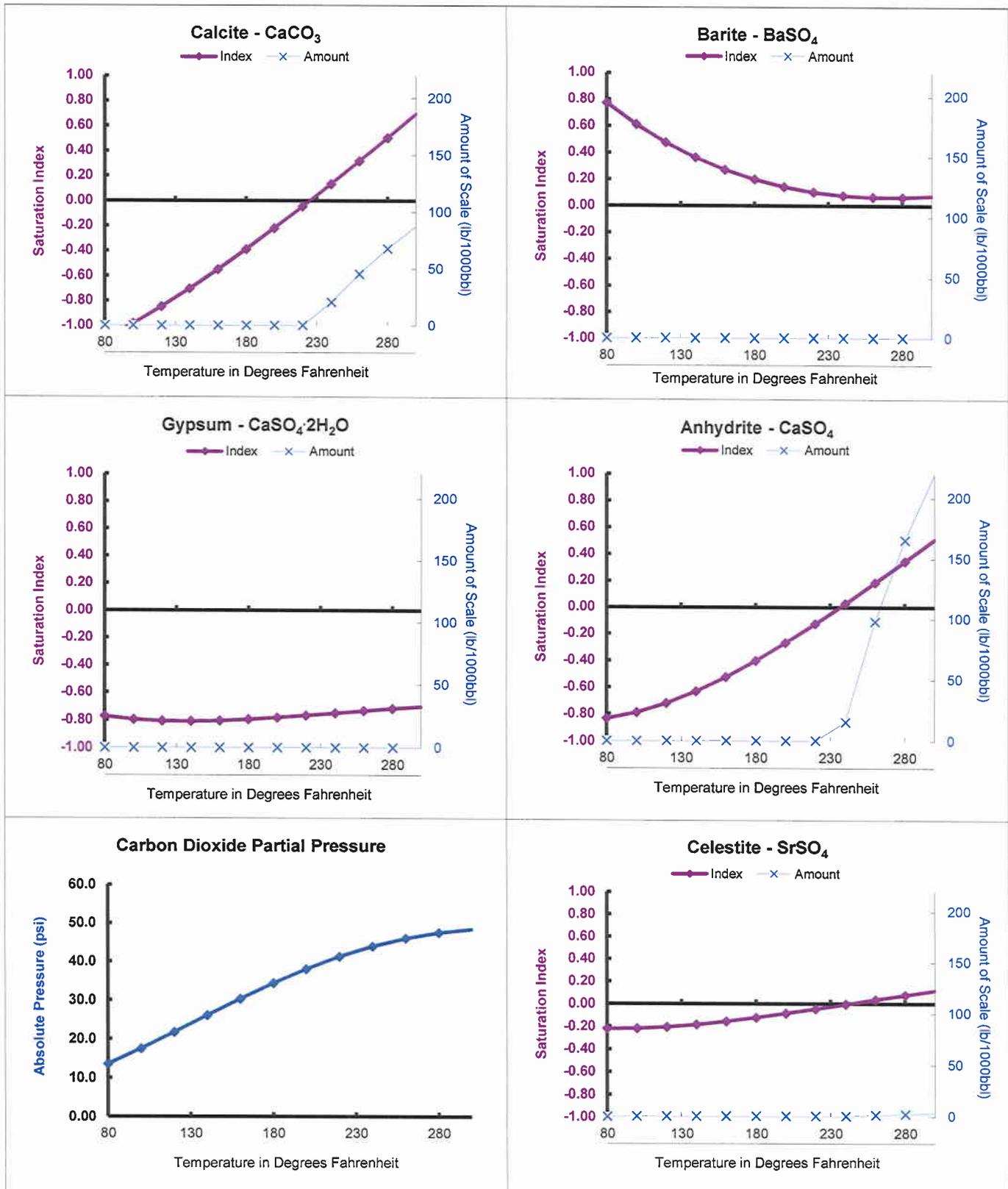
Disclaimer of Liability: Baker Petrolite Corporation and its affiliates (BPC) disclaim all warranties or representations express or implied, including any implied warranties of merchantability or fitness for a particular purpose or to the accuracy, correctness or completeness of such information herein or that reliance on such information will accomplish any particular result. All such information is furnished "as is" and by using such information the user is assuming all liabilities for the use or reliance on such information. BPC SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES OR LOSSES FROM ANY CAUSE WHATSOEVER INCLUDING BUT NOT LIMITED TO ITS NEGLIGENCE.

Scale Predictions



For Sample 59954WOL @ 75°F from WOLVERINE , COVENANT , SWD-1 , WELLHEAD , Jan/9/12

Baker Petrolite





**WOLVERINE GAS AND OIL COMPANY
OF UTAH, LLC**

Energy Exploration in Partnership with the Environment

December 20, 2012

Utah Division of Oil, Gas and Mining
Attn: Mr. Ammon McDonald, Geologist
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114

**Re: Outstanding Covenant SWD #2 (API No. 43041500080000) Records
With Regard to R649-5-2 Requirements for Class II Injection Wells**

Dear Mr. McDonald:

From our December 17th discussion and my review of Wolverine Gas & Oil Corporation's 11/22/11 APD and subsequent sundry notices and log submittals, I believe there are four items that we should address to finalize our R649-5-2 filing requirements. The four items are:

- 1) (Rule ... 2.1) – An updated plat map, focusing on the area in and around the ½ mile radius from SWD #2 well. This updated map is provided as Attachment 1 to this letter.
- 2) (Rule ... 2.9) – Updated information for supporting evidence that injection into the SWD #2 will not initiate a fracture. A copy of UIC Form 1 “Application for Injection Well” (Attachment 2, originally submitted 7/19/12) is accompanied by: a sundry notice to initiate injection (Attachments 3a and 3b); a graph, illustrating calculated surface and bottom-hole injection pressures (Attachment 4); and a table showing calculated friction losses for 3½” fiberglass-lined tubing at increasing injection rates (Attachment 5).
- 3) (Rule ... 2.11) – A review of the mechanical condition of all wells within a ½ mile radius. Only the Covenant SWD #1, another Wolverine disposal well, lies within ½ mile of the SWD #2. This well was drilled and completed in 2006 and had one subsequent workover to install larger diameter tubing, in 2009. The SWD #1 meets all UIC requirements and has no mechanical or operational concerns. A wellbore diagram and pertinent well data for the SWD #1 is provided in Attachments 6a and 6b.
- 4) (Rule ... 2.12) – An Affidavit certifying that all operators, owners and surface owners within a one-half mile radius of the well have been notified. You will recall that this item was omitted in our APD filing and I apologize for that oversight. Three nearby landowners meet this criteria and Attachment 7 is the Affidavit certifying that each one has now been provided with a copy of our approved Permit to Drill the Covenant SWD #2.

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DEC 24 2012

DIV. OF OIL, GAS & MINING

I believe that all required records for the SWD #2 have now been submitted to your office and as you may already know, the well has been successfully MIT'd (on 8/7/12) and surface restoration is complete. Wolverine will thus be awaiting your review of this material for authorization to commence injections, so please don't hesitate to contact me (at 616/929-1932) if you have any further questions or concerns about this well or your related file records.

Sincerely,

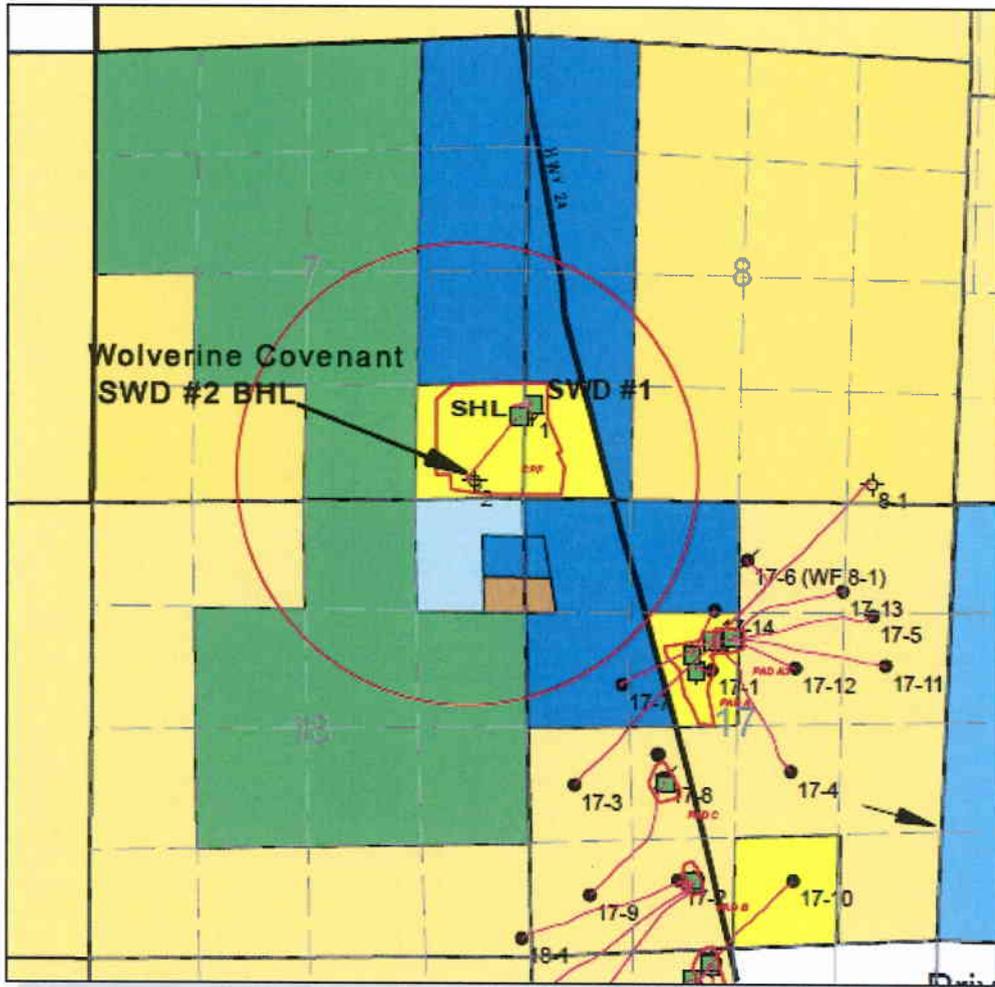


Ron Meredith
Senior Production Engineer
Wolverine Gas and Oil Corporation

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1/2 mile radius

SHL Deviated Well

Surface Owner

- BLM
- KINGS MEADOW RANCHES, LLC.
- BERKLEY ANDERSON
- WOLVERINE GAS & OIL, LLC.
- DASTRUP, RONALD & VIRGINIA
- STATE

Contact Info:

STATE OF UTAH 46603
 BD OF STATE LANDS & FORESTRY
 333 W NORTH TEMPLE
 3 TRIAD CENTER, STE 400
 SALT LAKE CITY UT 84180-1204

KINGS MEADOW RANCHES, LLC.
 C/O Mack T. Dastrup
 P.O. Box 570125
 Sigurd, UT 84657

RONALD L & VIRGINIA DASTRUP
 P.O. Box 370133
 Sigurd, UT 84657

DENNIS M. ANDERSON
 P.O. Box 38838
 Renton, WA 98058



1:24000



ATTACHMENT #1

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DIV. OF OIL, GAS & MINING

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Wolverine Gas and Oil Company of Utah, LLC	Utah Account Number N	Well Name and Number Covenant SWD-2
Address of Operator 55 Campau NW CITY Grand Rapids STATE MI ZIP 49503	Phone Number (616) 490-1150	API Number 4304150008
Location of Well Footage : 40' FEL, 921' FSL County : Sevier OO, Section, Township, Range: SESE 7 23S 1W State : UTAH		Field or Unit Name Covenant Lease Designation and Number

Is this application for expansion of an existing project? Yes No

Will the proposed well be used for:

Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes No

If this application is for an existing well, has a casing test been performed? Yes No
Date of test: 7/18/2012

Proposed injection interval: from 8,994 to 10,191

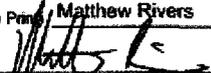
Proposed maximum injection: rate 10,000 bpd pressure 1,530 psig

Proposed injection zone contains oil , gas , and / or fresh water within 1/2 mile of the well.

List of attachments: Cover Letter, Completion Report, Logs, Directional Survey, Injection Water Analysis, Well Bore Diagram

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Matthew Rivers Title Production Engineer
Signature  Date 7/19/2012

(5/2002)

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DIV. OF OIL, GAS & MINING

Sundry Notice to Initiate Injection into SWD-2

Wolverine Gas and Oil Company of Utah, LLC
Covenant SWD-2, API 43041500080000
December 19, 2012

The purpose of this Sundry is to provide the documentation for the completion of SWD-2, and to establish the initial Maximum Allowable Interval Injection Pressure (MAIIP), and the corresponding Maximum Allowable Surface Injection Pressure (MASIP).

The basis for establishing the MAIIP and the corresponding MASIP is the procedure and frac gradient utilized for establishing the SWD-1 operating parameters. In the recently approved request for establishing the Covenant SWD-1 a frac gradient of 0.62 psi/ft was utilized. That frac gradient was based on Diagnostic Fracture Injection Tests (DFIT) conducted in five wells located in Covenant Field and Providence Fields, which demonstrated a frac gradient ranging from 0.62 psi to 0.79 psi/ft (see table below).

Well Name	Frac Gradient (psi/ft)	Average Porosity %	Perf Depth TVD	Date Injected	Field Name
Arapien Valley 24-1	0.62	0.1029	8998'	7/19/2010	Providence
Wolverine Federal 17-6	0.62	0.0968	6118'	1/15/2009	Covenant
Wolverine Federal 17-7	0.66	0.0856	6106'	10/7/2010	Covenant
Wolverine Federal 19-2	0.78	0.0415	6324'	4/13/2009	Covenant
Wolverine Federal 19-3	0.79	0.0646	6254'	5/11/2011	Covenant

Based on analysis of the above data, and compensating for the higher frac gradients in the 19-2 and 19-3, which are related to lower reservoir quality, Wolverine used a 0.62 psi/ft frac gradient in establishing the maximum pressure for the SWD-1. Staff at the UDOGM, then modified Wolverine's request by assuming a "worst case scenario" and applying a 10% safety factor to establish the maximum surface injection pressure of 1530 psi, which was approved on February 9, 2012.

Following the same procedure used by UDOGM staff, Wolverine is also requesting an initial MASIP of 1530 psi for the Covenant SWD-2, even though the calculations shown below demonstrate that a slightly higher allowable should be acceptable:

Frac initiate pressure = 0.62 psi * 9520' TVD (ref. depth) = 5,902 psi
Less Hydrostatic column: 0.44 psi/ft * 9520' TVD (ref. depth) = 4,188 psi
Corresponding surface pressure (reflects worst case scenario) = 1,714 psi
Less UDOGM applied safety factor of 10% = 171 psi
Maximum Allowable Surface Pressure = 1,542 psi

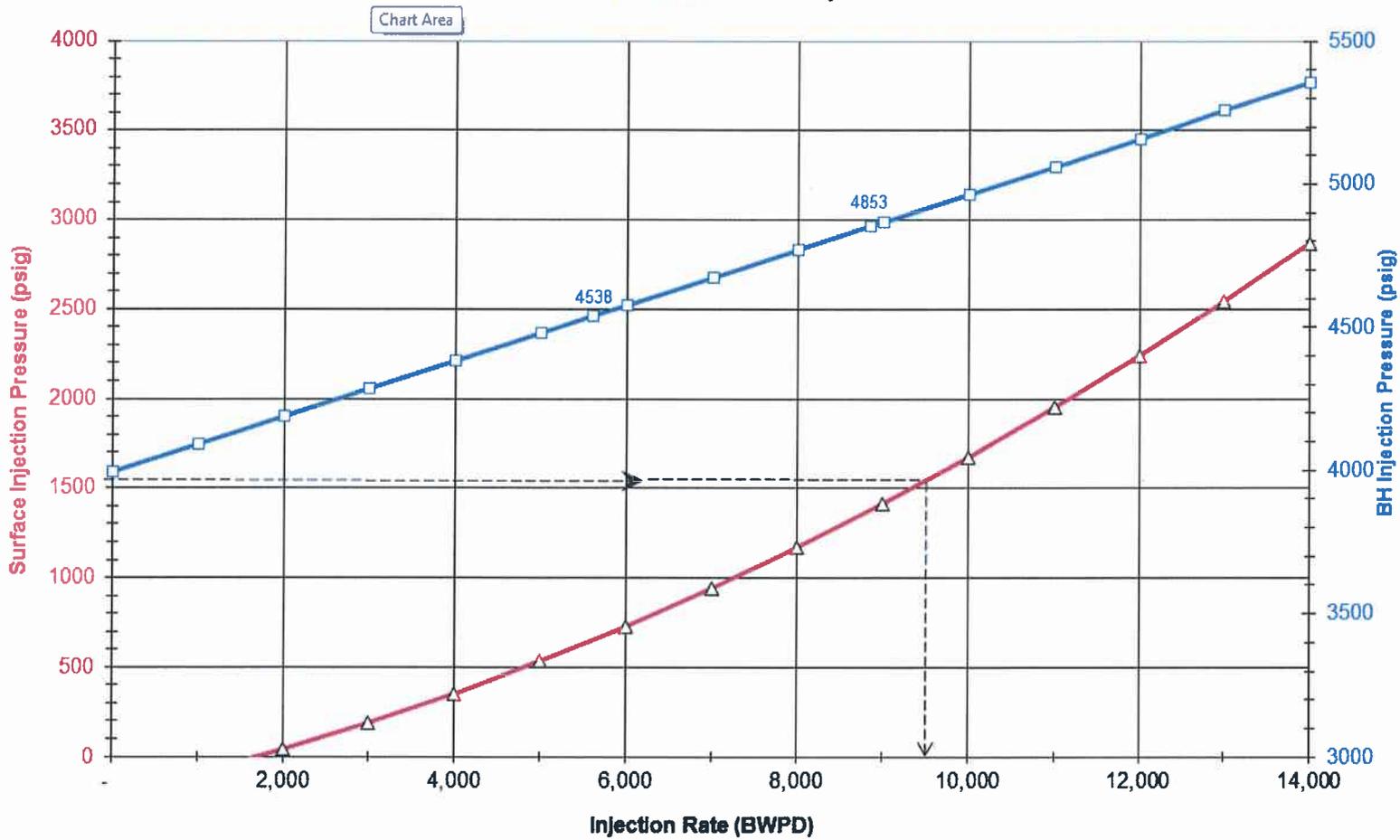
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DEC 24 2012

It should be noted that the UDOGM procedure does not account for friction in the tubing string when determining maximum surface injection pressure, which is a very conservative procedure, especially when using 3.5-inch tubing, as friction pressure increases significantly at the higher rates. As demonstrated on the attached graph, which plots bottom-hole injection pressure and surface injection pressure versus rate, the proposed maximum surface injection pressure of 1542 psi, equates to approximately 4916 psi bottom-hole pressure at 9520' TVD (ref. depth), which is 986 psi below the calculated frac pressure. The worst case scenario envisioned by the UDOGM procedure assumes the surface pumping equipment can provide the higher pressure and that facility operational controls (i.e., alarms, and shut-downs) are not present, which they are. All of this illustrates the conservative approach in establishing the initial maximum surface injection pressure. Wolverine is following this procedure, at this time, so as to facilitate approval and so injection can be established, which will allow for more data to be gathered. This data could be used in determining any future adjustment, if any are necessary. Wolverine is also following this procedure in lieu of conducting an injection step rate test to establish a frac gradient in this well, which it does not recommend, given the extensive data set available from the Covenant Field.

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DIV. OF OIL, GAS & MINING

Covenant SWD-1
3-1/2" FG Lined Tubing
9520' TVD Reference Depth



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DEC 24 2012

DIV. OF OIL, GAS & MINING

Well: Covenant SWD-2*
Field: Covenant
Date: 5/26/2009

**Calculations are the same as used for SWD-1, with SWD-2 well parameters*

Conditions:

Fluid Viscosity = 0.60 cp
 Fluid Density = 8.49 lbs/gal
 Tubing ID = 2.752 in
 Casing ID = 6.366 in
 Tubing Depth-Measured = 8800 ft 8800
 Tubing Depth-True Vertical = 8722 ft 8762
 Reference Depth-Measured = 9593 ft 9566
 Reference Depth-True Vertical = 9520 ft 9526
 Pipe Roughness = 0.000210 in (0.00065 per Cullinder & Smith)

Results:

Injection Rate (BPM)	Surface Pressure (psia)	Injection Rate (BPD)	Friction Loss (psia)	Reservoir Controlled	
				Ref. Depth Pressure (psia)	Ref. Depth Pressure (psia)
3.89	649	5,600	308	4535	4538
0.00	-203	-	0	3992	3994
0.69	-93	1,000	13	4089	4092
1.39	38	2,000	47	4186	4189
2.08	186	3,000	98	4283	4286
2.78	351	4,000	166	4380	4383
3.47	532	5,000	250	4477	4480
4.17	730	6,000	350	4574	4577
4.86	943	7,000	466	4671	4674
5.56	1172	8,000	598	4768	4771
6.25	1416	9,000	745	4865	4868
6.94	1675	10,000	908	4962	4965
7.64	1951	11,000	1086	5059	5062
8.33	2241	12,000	1279	5156	5159
9.03	2546	13,000	1488	5254	5256
9.72	2867	14,000	1711	5351	5353
10.42	3203	15,000	1950	5448	5450
11.11	3554	16,000	2204	5545	5547
11.81	3920	17,000	2473	5642	5644
12.50	4301	18,000	2757	5739	5741
13.19	4697	19,000	3056	5836	5839
13.89	5108	20,000	3370	5933	5936

RECEIVED

Attachment 5

DEC 24 2012

DIV. OF OIL, GAS & MINING



Covenant SWD-1
API# 43-041-30039
Covenant Field
Section 8, T23S, R1W
Sevier County, Utah

Ground Elevation: 5,590'
KB Elevation: 5,607'

(Not to Scale)

Well Location

Surface: 1140' FSL, 30' FWL, SW SW 8-23S-1W
Top of Pay (8827' MD): 1093' FSL, 40' FEL, SE SE 7-23S-1W

Conductor Casing (12/17/05)

Size: 20", 0.375" wall
Depth Landed: 120' GL
Cement Data: Cemented to surface with 650 sks G

Surface Casing (1/09/06)

Size/Wt/Grade: 13-3/8", 68#, J-55, BT&C
Depth Landed: 2000' MD
Cement Data: 670 sks CBM Light, 600 sks Type V
Cemented to surface

Intermediate Casing (2/02/06)

9-5/8", 47#, HCP-110, LT&C, 8rd
Depth Landed: 8506' MD
Cement Data: 1590 sks Hifill V, 11.0 ppg, 3.81 cf/sk
680 sks 50:50 Poz:G, 14.4 ppg, 1.23 cf/sk
Cemented to surface

Production Casing (2/16/06)

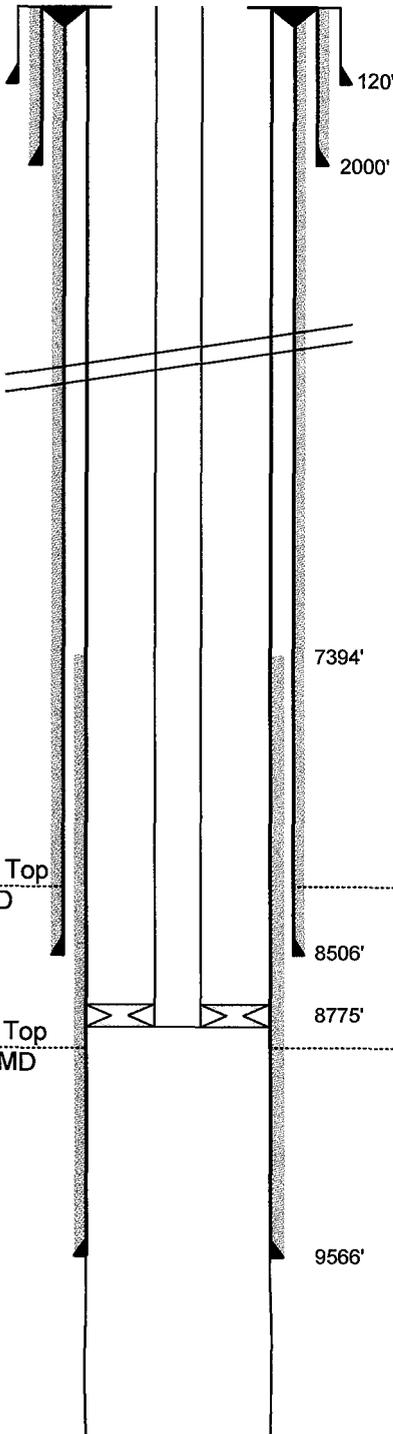
Size/Wt/Grade: 7", 23#, NSP-110, LT&C, 8rd
Properties: 8720 psi burst, 6.241" drift, 6.366" ID, 0.03937 Bbl/ft Capacity
Depth Landed: 9566' MD
Cement Data: 480 sks 50:50 Poz:G, 14.3 ppg, 1.26 cf/sk
Top of cement @ 7394' MD (CBL)

Tubing (9/17/09)

4 1/2" 11.6# N-80 8rd LT&C fiberglass lined tubing (13.1 ppf with fiberglass lining) to 8775' KBWLM w/7" Ultra Pak packer

Navajo Perforations (Open-Hole)

9566' - 10153' MD (9526' - 10112' TVD), open-hole



TD = 10153' MD (10112' TVD)

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DEC 24 2012

Attachment 6a



Covenant SWD-1
 API# 43-041-30039
 Covenant Field
 Section 8, T23S, R1W
 Sevier County, Utah

Tubing Detail (9/16/09)

	17.00	KB
264	8756.92	Tubing – 4-½", 11.6#, N-80, LT&C, 8rd (13.1ppf with fiberglass lining)
1	.89	Seal assembly – Weatherford 4.75" latching (RH turn to release with 1000 to 2000 lbs tension)
<hr/>		
	8774.81' KB	EOT

Note: Tubing landed with 18k tension.

Tubing capacity = 0.01337 Bbl/ft, Burst = 7780 psi, Joint Yield = 223000 lbs

The ID of the fiberglass liner is 3.710" the ID of the plastic inserts are 3.577"

Do not exceed 2700 psi torque on pipe – excess torque will damage fiberglass liner.

Directional Data:

<u>MD</u>	<u>TVD</u>	<u>Incl.</u>	<u>MD</u>	<u>TVD</u>	<u>Incl.</u>
500	500	0.3	4000	3971	5.0
1000	999	0.8	5000	4968	5.0
1500	1496	13.5	6000	5966	1.1
2000	1984	11.3	7000	6964	3.3
2500	2477	3.9	8000	7964	1.4
3000	2975	5.3	9000	8962	4.0

Wellhead Information

- Tubing head flange is 7-1/16", 5M with a 4 ½" 8rd LT&C top connection.

Stimulation

3/16/06: 9566' – 10153' Circulated clean using air compressor foam unit.

9/10/09: 9566' – 10131' Circulated clean using air compressor foam unit.

Notes

Surface Location: Latitude = 38° 48' 47.2098", Longitude = -111° 56' 30.0007"

(3/10/06): Cement top at 7394' on CBL-CCL-GR

(9/10/05): Available Logs: DLL/HRI/MSFL, SDL/DSN, BCS, DML, CBL

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Attachment 6b

DEC 24 2012

Affidavit

I certify that a copy of the Approved Application for Permit to Drill (Form 3) has been sent by US Mail (certified mail) to the following operators, owners and surface owners located within one-half mile of the Covenant SWD 2 saltwater disposal well, SE/SE Section 7 T23S-R1W, Sevier County, Utah.

Kings Meadow Ranches, LLC
C/o Mack T. Dastrup
P.O. Box 570125
Sigurd, Utah 84657

Ronald L. & Virginia Dastrup
P.O. Box 570133
Sigurd, Utah 84657

Dennis M. Anderson
P.O. Box 58338
Renton, Washington 98058

Wolverine Gas & Oil Company of Utah, LLC (surface owner of well location)
One Riverfront Plaza
55 Campau NW
Grand Rapids, MI 49503

By: 

Ron Meredith

Title: Senior Production Engineer

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Attachment 7

DEC 24 2012

DIV. OF OIL, GAS & MINING

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC- 401.1

IN THE MATTER OF THE APPLICATION OF WOLVERINE GAS & OIL COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELL LOCATED IN SECTION 7, TOWNSHIP 23 SOUTH, RANGE 1 WEST; SEVIER COUNTY, UTAH, AS CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Wolverine Gas & Oil Company, 55 Campau Ave NW, Grand Rapids, Michigan 49503-2616, telephone 616-458-1150, for administrative approval of the following well located in Sevier County, Utah, for conversion to Class II injection well:

Covenant SWD-2 well located in SE/4 SE/4, Section 7, Township 23 South, Range 1 West
API 43-041-50008

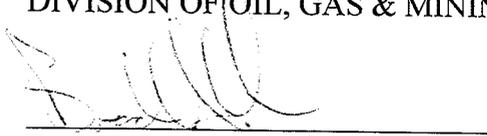
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Navajo Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Wolverine Gas & Oil Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 24th day of January, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Wolverine Gas & Oil Company

COVENANT SWD-2

Cause No. UIC-401.1

Publication Notices were sent to the following:

Wolverine Gas & Oil Company
55 Campau Ave NW
Grand Rapids, MI 49503-2616

Richfield Reaper
PO Box 730
Richfield, UT 84701
via e-mail class@richfieldreaper.com

Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Richfield Field Office
Bureau of Land Management
150 E 900 N
Richfield, UT 84701

Sevier County Planning
250 N. Main St
Richfield, UT 84701

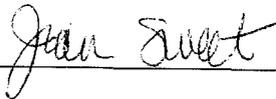
Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102-2818

Kings Meadow Ranches, LLC
c/o Mack T. Dastrup
PO Box 570125
Sigurd, UT 84657

Ronald L. & Virginia Dastrup
PO Box 570133
Sigurd, UT 84657

Dennis M. Anderson
PO Box 58338
Renton, WA 98058





www.utah.gov

Legal Notice

1/24/13

Fultz, Mark <naclegal@mediaoneutah.com>
Reply-To: "Fultz, Mark" <naclegal@mediaoneutah.com>
To: jsweet@utah.gov

Thu, Jan 24, 2013 at 3:32 PM

AD# 854049
Run Trib/DNews - 1/27
Cost \$186.44
Thank you
Mark

 **OrderConf.pdf**
119K

Order Confirmation for Ad #0000854049-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
Email	juliecarter@utah.gov	Jean	mfultz

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-401.1

IN THE MATTER OF THE APPLICATION OF WOLVERINE GAS & OIL COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELL LOCATED IN SECTION 7, TOWNSHIP 23 SOUTH, RANGE 1 WEST, SEVIER COUNTY, UTAH, AS CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Wolverine Gas & Oil Company, 55 Campau Ave NW, Grand Rapids, Michigan 49503-2616, telephone 616-458-1150, for administrative approval of the following well located in Sevier County, Utah, for conversion to Class II injection well:

Coverant SWD-2 well located in SE/4 SE/4, Section 7, Township 23 South, Range 1 West
API 43-041-50008

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Navajo Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Wolverine Gas & Oil Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 24th day of January, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/
Brad Hill
Permitting Manager
854049

UPAXLP

Total Amount	\$186.44			
Payment Amt	\$0.00			
Amount Due	\$186.44	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	20130124	

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 54 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	1/27/2013	

Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	1/27/2013	

Product	Placement	Position
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	1/27/2013	

Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	1/27/2013	



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 24, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Wolverine Gas & Oil Company , Covenant SWD-2,
Cause No. UIC-401.1

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Re: Notice of Agency Action Wolverine Gas & Oil Company, Covenant SWD-2, Cause No. UIC-401.1

Shalon Petersen <class@richfieldreaper.com>
To: Jean Sweet <jsweet@utah.gov>

Fri, Jan 25, 2013 at 4:17 PM

Jean,

This will run on Jan 30, 2013

Thank You,
Shalon Petersen
Richfield Reaper/Receptionist
(435)896-5476
class@richfieldreaper.com

On Jan 24, 2013, at 1:47 PM, Jean Sweet wrote:

<20130124 Wolverine NAA Richfield News UIC 401.pdf>



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 24, 2013

via e-mail class@richfieldreaper.com

Richfield Reaper
PO Box 730
Richfield, UT 84701

Subject: Notice of Agency Action – Wolverine Gas & Oil Company , Covenant SWD-2,
Cause No. UIC-401.1

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 19, 2013

Wolverine Gas & Oil Company
C/O Ron Meredith
55 Campau NW
Grand Rapids, MI 49503

Subject: Wolverine Gas & Oil Co. Well: Covenant SWD-2, Section 7, Township 23 South, Range 1 West, SLM, Sevier County, Utah, API Well # 43-041-50008

Dear Mr. Meredith:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Wolverine Gas & Oil Co.
3. A mechanical integrity test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes or injection rate changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Ammon McDonald at 801-538-5337 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/AM/js

cc: Bruce Suchomel, Environmental Protection Agency
Sevier County
Well File

N:\O&G Permits\Injection Permits\Wolverine Gas & Oil Co.





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

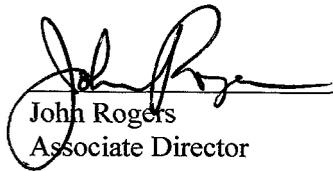
UNDERGROUND INJECTION CONTROL PERMIT Cause No. UIC-401.1

Operator: Wolverine Gas & Oil Company
Well: Covenant SWD-2
Location: Section 7, Township 23 South, Range 1 West, SLM
County: Sevier
API No.: 43-041-50008
Well Type: Saltwater Disposal Well

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 19, 2013.
2. Maximum Allowable Injection Pressure: 1,530 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Navajo Sandstone (8,994' – 10,191')
5. A Monthly Injection Report shall be filed as required by R649-8-20.

Approved by:


John Rogers
Associate Director

3/5/2013
Date

JR/AM/js

cc: Bruce Suchomel, Environmental Protection Agency
Sevier County
BLM
Well File

N:\O&G Permits\Injection Permits\Wolverine Gas & Oil Co.



INJECTION WELL - PRESSURE TEST

Well Name: Covenant SWD-2 API Number: 4304150008
 Qtr/Qtr: SE/SE Section: 7 Township: 23 S. Range: 1 W.
 Company Name: Wolverine Gas & Oil Company of Utah
 Lease: State _____ Fee X Federal _____ Indian _____
 Inspector: Mark F Jones Date: 8/7/2012

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psi
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000 #</u>	<u>0 #</u>
5	_____	_____
10	_____	_____
15	<u>1000 #</u>	<u>0 #</u>
20	_____	_____
25	_____	_____
30	<u>1000 #</u>	<u>0 #</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psi
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: Tony Cook present for Wolverine during test.

Tony Cook - Wolverine
 Operator Representative

Mark F Jones
 UDOBM

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FLD.TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING. 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	1/28/2013

Covenant SWD 2 RECEIVED
235 1W 7 FEB 05 2013

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000854049 /
SCHEDULE	
Start 01/27/2013	End 01/27/2013
CUST. REF. NO.	
20130124	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL	
SIZE	
54 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
TOTAL COST	
186.44	

**BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-401.1**

IN THE MATTER OF THE APPLICATION OF WOLVERINE GAS & OIL COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELL LOCATED IN SECTION 7, TOWNSHIP 23 SOUTH, RANGE 1 WEST, SEVIER COUNTY, UTAH, AS CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Wolverine Gas & Oil Company, 55 Campau Ave NW, Grand Rapids, Michigan 49503-2616, telephone 616-458-1150, for administrative approval of the following well located in Sevier County, Utah, for conversion to Class II injection well:

Covenant SWD-2 well located in SE/4 SE/4, Section 7, Township 23 South, Range 1 West
APR 3, 01 50008

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Navajo Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Wolverine Gas & Oil Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 24th day of January, 2013.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
854049

UPAXLP

43-041-50008

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH I, LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-401.1 IN THE MATTER OF THE APPL FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGAL.S.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGAL.S.COM INDEFINATELY.

PUBLISHED ON Start 01/27/2013 End 01/27/2013

SIGNATURE _____

VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 581469
My Commission Expires
January 12, 2014

Virginia Craft

1/28/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

AFFIDAVIT OF PUBLICATION

County of Sevier, State of Utah, ss.

I, SHALON PETERSEN, being first duly sworn, depose and say I am the Legal Secretary of THE RICHFIELD REAPER, a weekly paper having a bona fide circulation of more than 200 subscribers in the State of Utah, published every Wednesday at Richfield, Sevier County, Utah, and that said notice was published on Utahlegals.com, a website established by the Utah Press Association through the collective efforts of Utah's newspapers, on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the last day of publication.

That the notice WOLVERINE OIL a copy of which is attached hereto, was published in said paper for 1 consecutive issues, the first publication having been made in the issue of the 30 day of JANUARY 2013, and the last publication in the issue of the 30 day of JANUARY 2013 that the said notice was published in the regular and entire issue of every number of said paper during the period of times and publication, and that the same was published in the newspaper proper and not in a supplement.

Shalon Petersen

Subscribed and sworn to before me this 30 day of JANUARY, 2013

Cherry L. McCrewey

Notary Public



PUBLIC NOTICE BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-2011-011 IN THE MATTER OF THE APPLICATION OF WOLVERINE GAS & OIL COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELL LOCATED IN SECTION 7, TOWNSHIP 23 SOUTH, RANGE 1 WEST, SEVIER COUNTY, UTAH, AS CLASS II INJECTION WELL. THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Wolverine Gas & Oil Company, 55 Campau Ave NW, Grand Rapids, Michigan 49503-2616, telephone 616-458-1150, for administrative approval of the following well located in Sevier County, Utah, for conversion to Class II injection well:

Covenant SWD-2 well located in SE/4 SE/4, Section 7, Township 23 South, Range 1 West

API 43-041-50008

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Navajo Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 24th day of January, 2013.

STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/ Brad Hill Permitting Manager

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PHONE (435) 896-5476 • RICHFIELD, UTAH 84701

RECEIVED
FEB 01 2013
DIV. OF OIL, GAS & MINING

STATEMENT
DATE 01/31/13 PAGE 1

PLEASE SPECIFY THIS NUMBER
WITH YOUR REMITTANCE

Customer Account No.

16497

DIV OF OIL, GAS, & MINING
PO BOX 145801
SALT LAKE CITY
UT 84114

Accounts are due and payable 10th of month following date of invoice. A finance charge of 1 1/2% per month, 18% per annum, will be charged on the unpaid balance 30 days or more past due. Customer agrees to pay a reasonable attorney's fee and other costs of collection after default and referral to an attorney.

TO ASSURE PROPER CREDIT - RETURN TOP PORTION WITH REMITTANCE

Date	Reference	Description	Amount		
01/30/13	LG9267	LEGAL ADVERTISING	110.00		
2250/REP / GCOICADMIN / GF13/6131					
90-Over	60-90 Days	30-60 Days	Current	Credits	Total Due
0.00	0.00	0.00	110.00	0.00	\$110.00

was published in the newspaper proper and
in supplement

based on fracture gradient
information submitted by