

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

FORM 3

AMENDED REPORT 

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Tidewater Federal 12-24D-2118				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> WILDCAT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> CRESCENT				
<b>6. NAME OF OPERATOR</b> TIDEWATER OIL & GAS COMPANY, LLC						<b>7. OPERATOR PHONE</b> 303 468-0656 201				
<b>8. ADDRESS OF OPERATOR</b> 110 16th St Ste 1220, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> jjones@tidewater-oil.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU-20784			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		1290 FSL 1490 FWL		NESW	12	21.0 S	18.0 E	S		
Top of Uppermost Producing Zone		1844 FSL 2163 FWL		SWNE	12	21.0 S	18.0 E	S		
At Total Depth		1844 FSL 2163 FWL		SWNE	12	21.0 S	18.0 E	S		
<b>21. COUNTY</b> GRAND			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 460			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
<b>27. ELEVATION - GROUND LEVEL</b> 5136			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 872			<b>26. PROPOSED DEPTH</b> MD: 5603 TVD: 5500				
<b>28. BOND NUMBER</b> UTB-000211			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Town of Thompson Springs							
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
Cond	20	16	0 - 40	65.0	H-40 ST&C	8.5	Class G	50	1.18	15.0
Surf	12.25	9.625	0 - 600	36.0	J-55 ST&C	9.0	Rockies Lite	200	2.08	12.8
Prod	7.875	5.5	0 - 5603	17.0	N-80 LT&C	9.5	Rockies Lite	450	2.08	12.8
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Walter Lowry				<b>TITLE</b> Engineer			<b>PHONE</b> 303 884-5505			
<b>SIGNATURE</b>				<b>DATE</b> 07/13/2012			<b>EMAIL</b> wlowry@tidewater-oil.com			
<b>API NUMBER ASSIGNED</b> 43019500250000				<b>APPROVAL</b>  Permit Manager						

# TIDEWATER OIL & GAS COMPANY LLC

Tidewater Federal #12-24D-2118  
 SHL: NESW 1290' FSL & 1490' FWL Sec. 12-T21S-R18E  
 BHL: 1844' FSL & 2163' FWL Sec. 12-T21S-R18E  
 Grand County, Utah  
 Lease # UTU-20784

## ONSHORE ORDER 1: 9-POINT DRILLING PLAN

### 1. Estimated Tops of Geological Markers:

Formation Top	Depth (Est 11' KB) TVD	Depth (Est 11' KB) MD
Mancos Shale	Surface	Surface
Mancos Shale- Juana Lopez "M"	3351	3427
Base of Mancos Shale (Base of Juana Lopez)	3485	3560
Dakota Sandstone	3485	3560
Brushy Basin	3580	3665
Salt Wash	3869	3955
Moab Tongue	4283	4383
Slick Rock Member of Entrada	4353	4450
Carmel	4775	4880
Page	4869	4969
Navajo	5001	5104
Wingate	5845	5960
Chinle	6212	6325
Proposed TD	6350	6450

- All formation tops are based upon a graded GL elevation of 5136' and an RKB 11'.

### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Formation	Depth (Est 11' KB) TVD	Substance
Mancos Shale- Juana Lopez "M"	3351	Oil/Gas
Dakota Sandstone	3485	Oil/Gas/Water
Salt Wash	3869	Oil/Gas/Water
Moab Tongue	4283	Oil/Gas/Water
Slick Rock Member of Entrada	4353	Oil/Gas/Water
Carmel	4775	Oil/Gas/Water
Page	4869	Oil/Gas/Water
Navajo	5001	Oil/Gas/Water
Wingate	5845	Oil/Gas/Water

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### 3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch 3M hydraulic BOP on 9-5/8" SOW x 11" 3M casing head, with 3M psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 1*.
- B. A PVT and stroke counter will be installed to monitor pit and hole volumes.
- C. Pressure Rating: 3,000 psi BOPE.
- D. Testing Procedure:

#### Blow-Out Preventer (Pipe Rams and Blind Rams)

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

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

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

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

- E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

### 4. Proposed Casing & Cementing Program:

- A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	16" O.D.	0.25" w.t.	H40	Welded	40' (BGL)
12-1/4"	9-5/8" O.D.	36.0 #/ft	J55	STC	0 – 600' (KB) est.
7-7/8"	5-1/2"	17.0 #/ft	N80	LTC	0 - 6450' (KB) est.

The 9-5/8" surface casing will have guide shoe, 1 joint, and float collar. The shoe joint will be centralized with bowspring centralizers in the middle and top of the joint and bowspring centralizers will be placed on every other collar to surface (~6 centralizers total). Thread lock

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guide shoe and bottom of float collar.

The 5-1/2" production casing will have float shoe, 1 joint as a shoe joint, and a float collar. Tidewater anticipates the casing will be run with ~25 bow spring centralizers with one in the middle of the shoe joint and then one centralizer on every other casing collar to approximately 2000' RKB.

The surface casing string will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

### B. Casing Design Parameters:

Depth (TVD)	Casing	Collapse (psi)/SF	Burst (psi)/SF	Tension (Mlbs)/SF
40' (GL)	16" OD	NA	NA	NA
600' (KB)	9-5/8", 36.0#/ft, J55, STC	2020/ 7.65 (a)	3520/ 1.27 (b)	394M/ 20.5 (c)
0'-6450'	5-1/2" 17.0#/ft N80 LTC	6280/ 1.69 (d)	7740/ 1.01 (e)	348/ 3.88 (f)

- (a) based on full evacuation of pipe with 9.0 ppg fluid in annulus
- (b) based on 9.0 ppg BHP with no fluid in annulus
- (c) based on casing string weight in air with no buoyancy
- (d) based upon full evacuation of pipe with 10.0 ppg fluid in annulus
- (e) based upon 10.0 ppg frac fluid weight plus additional 5000 psi surface pressure
- (f) based upon 5000' of casing in air with no buoyancy

### C. Proposed Cementing Program

#### Surface Casing - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
9-5/8"	Lead/Tail	600	Howco Rockies LT cement + 0.25 pps Poly-E-Flake	225	100%	12.8	2.08

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft<sup>3</sup>/sx) cement will be premium cement w/ 3% CaCl<sub>2</sub>.+ 0.25 pps celloflake. Volume as required.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

**Production Casing** – The production casing will be cemented in one stage with a planned cement top at 2500' RKB.

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CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
5-1/2"	Lead/Tail	3950'	Howco Rockies LT cement + 0.25 pps Poly-E-Flake	750	100%	12.8	2.08

An alternative cementing procedure may be considered depending upon geologic conditions present at the time the well reaches total depth. Tidewater may elect to cement the 5-1/2" production casing in two stages with a DV tool if oil, gas, or water shows are encountered. If Tidewater so elects, a cement design will be submitted to the BLM for approval via Sundry Notice prior to pumping the cement.

#### 5. Drilling Fluids Program:

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' - 40' (KB)	<8.4	NA	28	Air/Mist
40'-600' (KB)	8.4-9.0	NA	36-40	Fresh Water LSND
600'- 6450' (MD)	8.6- 9.8	NA	36-40	Fresh Water LSND

A lined reserve it is planned to catch the drilled cuttings from the well. Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations. All necessary spill prevention and remediation materials and procedures will be utilized to control any potential discharges of drilling fluids on the surface. The rig's steel mud pit(s) will be used to drill the surface and production holes. The reserve pit will be closed and reclaimed in accordance with the rules and regulations of the BLM and the UDOGM. The viscosities listed above are highly dependent upon wellbore temperature and may exceed the values presented.

#### 6. Evaluation Program:

Tests: No drill stem tests are anticipated.

Coring: No cores are currently planned.

Samples: Two (2) sets of cleaned, dried, and labeled formation samples will be taken not less than every 20' from the base of the conductor casing at ~40' to total measured depth of 5000' MD/TVD.

#### Logging

A Quad Combo (CNL/FDC/DIL/GR/CAL/BHC or Dipole Sonic) will be run in the 7-7/8" production hole from 6450' to the surface casing shoe (~600') with GR run to surface.

All actual cement tops will be verified via visual observation or temperature logs, or at Tidewater's discretion, via running of a cement bond log.

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**Stimulation:** A stimulation or frac treatment will be designed for completion of this well based on mud log analysis and surface shows. If a hydraulic fracture treatment is necessary, it will likely be a gelled-fresh water system with approximately 80,000 pounds of 20/40 sand. The drill site, as approved, will be sufficient size to accommodate all completion activities. It is possible Tidewater will run a 1500-3000 gallon acid treatment on one or more potentially productive zones with additions of Musol and Xylene to minimize formation damage.

**7. Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

No lost circulation is expected during the drilling of this well. No water flows are anticipated. Tidewater does not anticipate encountering any zones of potable water during the operations contemplated for this well.

Maximum anticipated bottom hole pressure equals approximately 2800 psi (calculated at 0.434 psi/ft of hole) and maximum anticipated surface pressure equals approximately 2155 psi (anticipated bottom hole pressure minus gas gradient of 0.1 psi/ft to surface).

**8. Anticipated Starting Dates:**

- Anticipated Commencement Date- August 30, 2012.
- Drilling Days- Approximately 17 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of APD approval.

**9. Variances:**

No variances are expected to be required. The wellbore will be drilled directionally into a legal location inside A 400' X 400' drilling window in the NESW of Sec 12-T21S-R18E.

**10. Other:**

- A Cultural Resource Inventory and a Raptor/ Wildlife Survey have been conducted for the well location, access route and potential pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the Bureau of Land Management upon their receipt.
- Single shot surveys will be dropped or run on wireline at intervals not less than every 250' of vertical hole drilled and on every bit trip to surface casing shoe at 600'. The remainder of the production hole will be surveyed using an MWD tool while directionally drilling.

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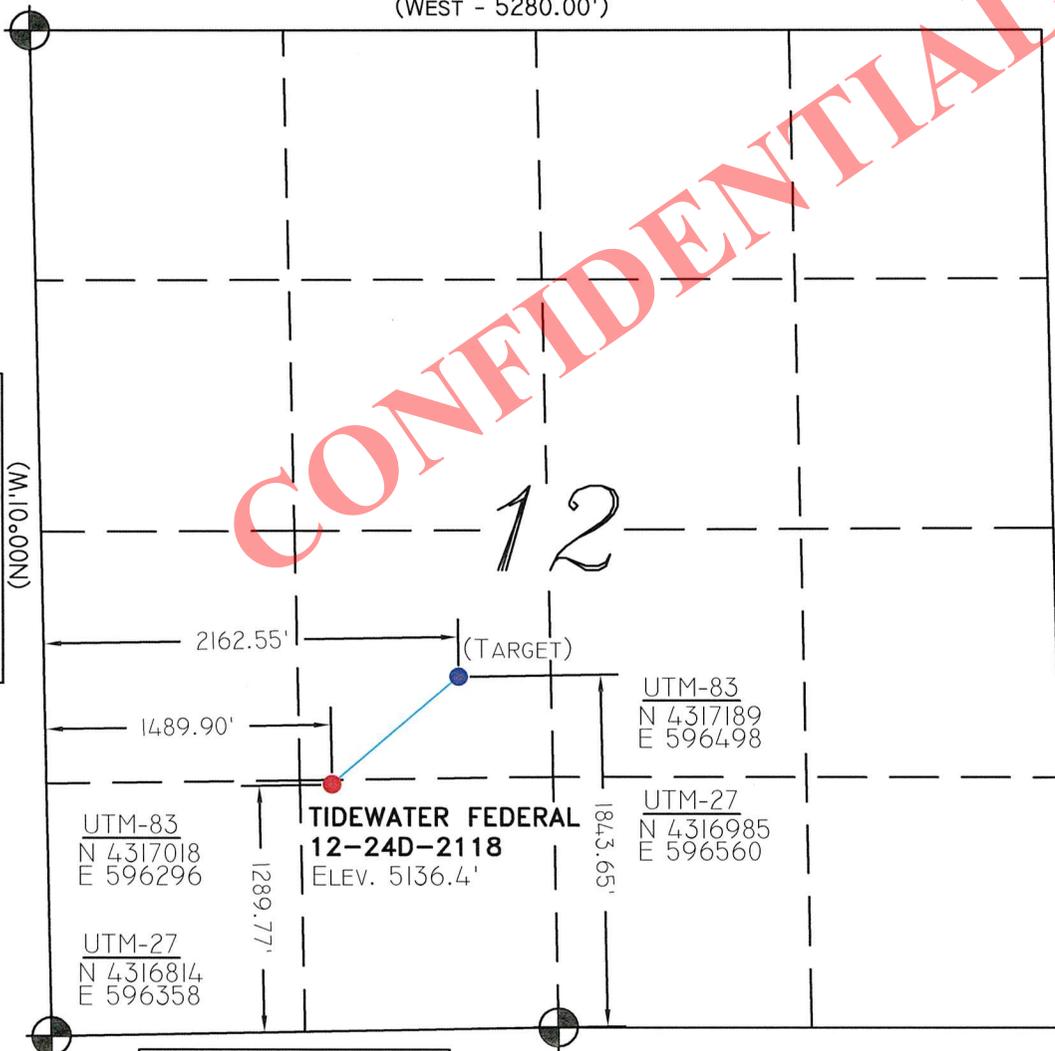
RECEIVED: July 13, 2012

# Range 18 East

(WEST - 5280.00')

Township 21 South

N01°02'17"W - 5284.09'  
(N00°01'W)



N88°55'54"W - 2645.47'

(N89°57'W - 5289.24')

### Legend

- Drill Hole Location
- Metal Cap (Found)
- Brass Cap (Searched for, but not found)
- Calculated Corner
- ( ) GLO
- GPS Measured

### NOTES:

1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder.

SURFACE		TARGET	
NAD 83/WGS 84		NAD 83/WGS 84	
SURFACE-NAD 27		TARGET-NAD 27	
LAT / LONG	LAT / LONG	LAT / LONG	LAT / LONG
38°59'48.754"N	38°59'54.220"N	38°59'48.858"N	38°59'54.325"N
109°53'16.781"W	109°53'08.298"W	109°53'14.304"W	109°53'05.821"W

### Location:

The well location was determined using a Trimble 5700 GPS survey grade unit.

### Basis of Bearing:

The Basis of Bearing is GPS Measured.

### GLO Bearing:

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

### Basis of Elevation:

Basis of Elevation of 5175' being at the South Quarter Section Corner of Section 12, Township 21 South, Range 18 East, Salt Lake Base and Meridian, as shown on the Hatch Mesa Quadrangle 7.5 minute series map.

### Description of Location:

#### Surface

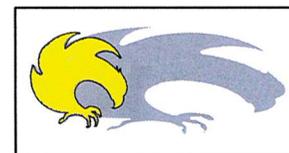
Proposed Drill Hole located in the SE/4 SW/4 of Section 12, T21S, R18E, S.L.B.&M., being North 1289.77' from the South Line and East 1489.90' from the West Line of Section 12, T21S, R18E, Salt Lake Base & Meridian.

#### Target

Proposed Target located in the NE/4 SW/4 of Section 12, T21S, R18E, S.L.B.&M., being North 1843.65' from the South Line and East 2162.55' from the West Line of Section 12, T21S, R18E, Salt Lake Base & Meridian.

### Surveyor's Certificate:

I, John S. Huefner, a Professional Land Surveyor, holding Certificate No. 144842 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



TALON RESOURCES, INC.

615 North 400 East P.O. Box 1230

Huntington, Utah 84528

Phone (435)687-5310 Fax (435)687-5311

E-Mail talon @ etv.net

# TIDEWATER

TIDEWATER FEDERAL  
12-24D-2118

Section 12, T21S, R18E, S.L.B.&M.  
Grand County, Utah

### GRAPHIC SCALE

0 500' 1000'

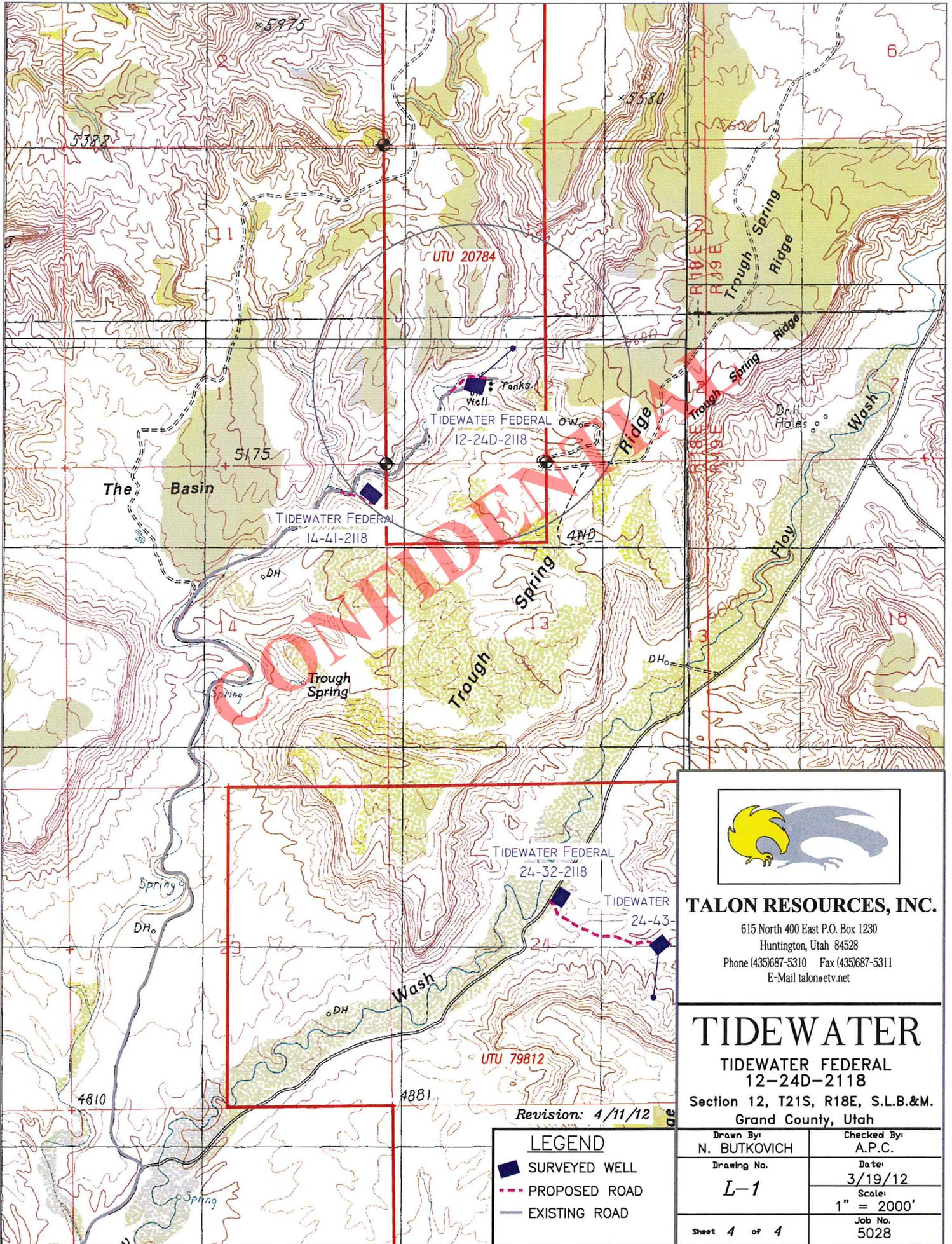
( IN FEET )

1 inch = 1000 ft.

Revision: 4/10/12

Revision: 4/6/12

Drawn By: N. BUTKOVICH	Checked By: A.P.C./J.S.H.
Drawing No. A-1	Date: 3/26/12
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 5028



**TALON RESOURCES, INC.**  
 615 North 400 East P.O. Box 1230  
 Huntington, Utah 84528  
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**TIDEWATER**  
 TIDEWATER FEDERAL  
 12-24D-2118  
 Section 12, T21S, R18E, S.L.B.&M.  
 Grand County, Utah

Revision: 4/11/12

LEGEND	
	SURVEYED WELL
	PROPOSED ROAD
	EXISTING ROAD

Drawn By: N. BUTKOVICH	Checked By: A.P.C.
Drawing No. <b>L-1</b>	Date: 3/19/12
	Scale: 1" = 2000'
Sheet 4 of 4	Job No. 5028

# **Tidewater Oil & Gas, LLC**

**Grand County, UT**

**Section 12, T21S-R18E**

**Tidewater Federal 12-24D-2118**

**Wellbore #1**

**Plan: Back to Vertical at 4750**

## **Standard Planning Report**

**26 June, 2012**

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**Tidewater Oil & Gas, LLC**  
**Tidewater Federal 12-24D-2118**  
**Grand County, UT**



Azimuths to True North  
 Magnetic North: 10.96°

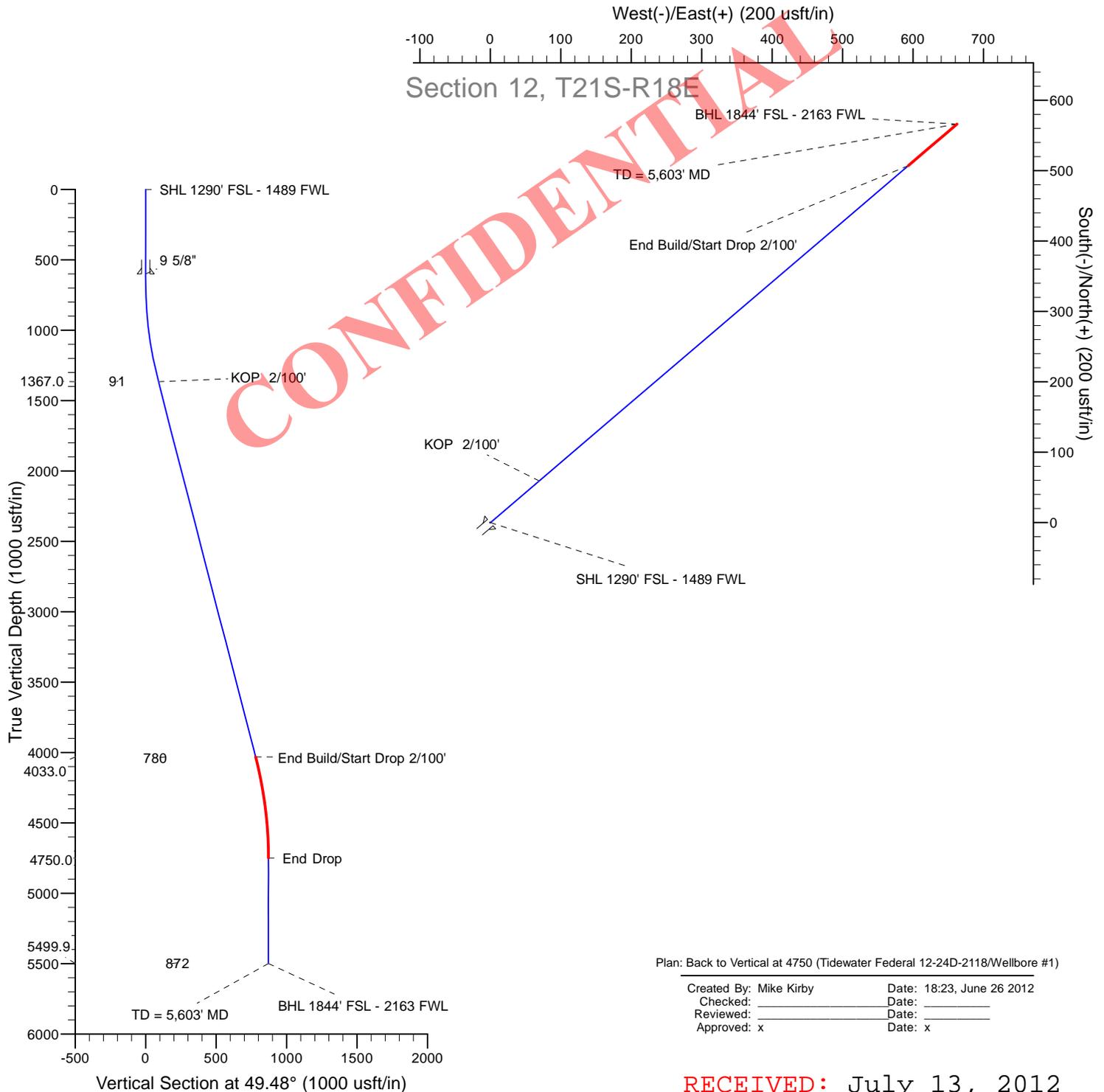
Magnetic Field  
 Strength: 51661.2snT  
 Dip Angle: 64.94°  
 Date: 6/25/2012  
 Model: IGRF2010

**Geodetic System: US State Plane 1983**  
**Zone: Utah Central Zone**  
**WELL @ 0.0usft (Original Well Elev)**  
**Ground Level: 5136.5**  
**Latitude: 38° 59' 48.754 N**  
**Longitude: 109° 53' 16.781 W**

**Magnetic North is 10.96° East of True North (Magnetic Declination)**

**Directional Plan**

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.0
1374.7	14.49	49.48	1367.0	59.2	69.3	2.00	49.48	91.2
4128.3	14.49	49.48	4033.0	507.1	593.2	0.00	0.00	780.4
4853.1	0.00	0.00	4750.0	566.3	662.5	2.00	180.00	871.6
5603.1	0.00	0.00	5500.0	566.3	662.5	0.00	0.00	871.6



**RECEIVED: July 13, 2012**

Planning Report

<b>Database:</b>	Rocky Mountain R5000 Database	<b>Local Co-ordinate Reference:</b>	Well Tidewater Federal 12-24D-2118
<b>Company:</b>	Tidewater Oil & Gas, LLC	<b>TVD Reference:</b>	WELL @ 0.0usft (Original Well Elev)
<b>Project:</b>	Grand County, UT	<b>MD Reference:</b>	WELL @ 0.0usft (Original Well Elev)
<b>Site:</b>	Section 12, T21S-R18E	<b>North Reference:</b>	True
<b>Well:</b>	Tidewater Federal 12-24D-2118	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Back to Vertical at 4750		

<b>Project</b>	Grand County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Section 12, T21S-R18E				
<b>Site Position:</b>		<b>Northing:</b>	6,807,485.82 usft	<b>Latitude:</b>	38° 59' 48.754 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,098,557.12 usft	<b>Longitude:</b>	109° 53' 16.781 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.03 °

<b>Well</b>	Tidewater Federal 12-24D-2118					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	6,807,485.82 usft	<b>Latitude:</b>	38° 59' 48.754 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,098,557.12 usft	<b>Longitude:</b>	109° 53' 16.781 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	5,136.5 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2010	6/25/2012	(°)	(°)	(nT)
			10.96	64.94	51,661

<b>Design</b>	Back to Vertical at 4750			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	49.48

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,374.7	14.49	49.48	1,367.0	59.2	69.3	2.00	2.00	0.00	49.48	
4,128.3	14.49	49.48	4,033.0	507.1	593.2	0.00	0.00	0.00	0.00	
4,853.1	0.00	0.00	4,750.0	566.3	662.5	2.00	-2.00	0.00	180.00	
5,603.1	0.00	0.00	5,500.0	566.3	662.5	0.00	0.00	0.00	0.00	

Planning Report

<b>Database:</b>	Rocky Mountain R5000 Database	<b>Local Co-ordinate Reference:</b>	Well Tidewater Federal 12-24D-2118
<b>Company:</b>	Tidewater Oil & Gas, LLC	<b>TVD Reference:</b>	WELL @ 0.0usft (Original Well Elev)
<b>Project:</b>	Grand County, UT	<b>MD Reference:</b>	WELL @ 0.0usft (Original Well Elev)
<b>Site:</b>	Section 12, T21S-R18E	<b>North Reference:</b>	True
<b>Well:</b>	Tidewater Federal 12-24D-2118	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Back to Vertical at 4750		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>SHL 1290' FSL - 1489 FWL</b>										
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>9 5/8"</b>										
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	1.00	49.48	700.0	0.3	0.3	0.4	2.00	2.00	0.00	
800.0	3.00	49.48	799.9	2.6	3.0	3.9	2.00	2.00	0.00	
900.0	5.00	49.48	899.7	7.1	8.3	10.9	2.00	2.00	0.00	
1,000.0	7.00	49.48	999.1	13.9	16.2	21.4	2.00	2.00	0.00	
1,100.0	9.00	49.48	1,098.2	22.9	26.8	35.3	2.00	2.00	0.00	
1,200.0	11.00	49.48	1,196.6	34.2	40.0	52.6	2.00	2.00	0.00	
1,300.0	13.00	49.48	1,294.4	47.7	55.8	73.4	2.00	2.00	0.00	
1,374.7	14.49	49.48	1,367.0	59.2	69.3	91.2	2.00	2.00	0.00	
<b>KOP 2/100'</b>										
1,400.0	14.49	49.48	1,391.5	63.4	74.1	97.5	0.00	0.00	0.00	
1,500.0	14.49	49.48	1,488.3	79.6	93.1	122.5	0.00	0.00	0.00	
1,600.0	14.49	49.48	1,585.1	95.9	112.2	147.6	0.00	0.00	0.00	
1,700.0	14.49	49.48	1,681.9	112.1	131.2	172.6	0.00	0.00	0.00	
1,800.0	14.49	49.48	1,778.8	128.4	150.2	197.6	0.00	0.00	0.00	
1,900.0	14.49	49.48	1,875.6	144.7	169.2	222.7	0.00	0.00	0.00	
2,000.0	14.49	49.48	1,972.4	160.9	188.3	247.7	0.00	0.00	0.00	
2,100.0	14.49	49.48	2,069.2	177.2	207.3	272.7	0.00	0.00	0.00	
2,200.0	14.49	49.48	2,166.0	193.5	226.3	297.7	0.00	0.00	0.00	
2,300.0	14.49	49.48	2,262.8	209.7	245.3	322.8	0.00	0.00	0.00	
2,400.0	14.49	49.48	2,359.7	226.0	264.4	347.8	0.00	0.00	0.00	
2,500.0	14.49	49.48	2,456.5	242.2	283.4	372.8	0.00	0.00	0.00	
2,600.0	14.49	49.48	2,553.3	258.5	302.4	397.9	0.00	0.00	0.00	
2,700.0	14.49	49.48	2,650.1	274.8	321.4	422.9	0.00	0.00	0.00	
2,800.0	14.49	49.48	2,746.9	291.0	340.5	447.9	0.00	0.00	0.00	
2,900.0	14.49	49.48	2,843.7	307.3	359.5	472.9	0.00	0.00	0.00	
3,000.0	14.49	49.48	2,940.6	323.6	378.5	498.0	0.00	0.00	0.00	
3,100.0	14.49	49.48	3,037.4	339.8	397.5	523.0	0.00	0.00	0.00	
3,200.0	14.49	49.48	3,134.2	356.1	416.6	548.0	0.00	0.00	0.00	
3,300.0	14.49	49.48	3,231.0	372.3	435.6	573.1	0.00	0.00	0.00	
3,400.0	14.49	49.48	3,327.8	388.6	454.6	598.1	0.00	0.00	0.00	
3,500.0	14.49	49.48	3,424.7	404.9	473.6	623.1	0.00	0.00	0.00	
3,600.0	14.49	49.48	3,521.5	421.1	492.7	648.1	0.00	0.00	0.00	
3,700.0	14.49	49.48	3,618.3	437.4	511.7	673.2	0.00	0.00	0.00	
3,800.0	14.49	49.48	3,715.1	453.7	530.7	698.2	0.00	0.00	0.00	
3,900.0	14.49	49.48	3,811.9	469.9	549.7	723.2	0.00	0.00	0.00	
4,000.0	14.49	49.48	3,908.7	486.2	568.8	748.3	0.00	0.00	0.00	
4,100.0	14.49	49.48	4,005.6	502.4	587.8	773.3	0.00	0.00	0.00	
4,128.3	14.49	49.48	4,033.0	507.0	593.2	780.4	0.00	0.00	0.00	
<b>End Build/Start Drop 2/100'</b>										
4,200.0	13.06	49.48	4,102.6	518.1	606.2	797.4	2.00	-2.00	0.00	
4,300.0	11.06	49.48	4,200.4	531.7	622.0	818.3	2.00	-2.00	0.00	
4,400.0	9.06	49.48	4,298.8	543.1	635.3	835.8	2.00	-2.00	0.00	
4,500.0	7.06	49.48	4,397.8	552.2	646.0	849.8	2.00	-2.00	0.00	

Planning Report

<b>Database:</b>	Rocky Mountain R5000 Database	<b>Local Co-ordinate Reference:</b>	Well Tidewater Federal 12-24D-2118
<b>Company:</b>	Tidewater Oil & Gas, LLC	<b>TVD Reference:</b>	WELL @ 0.0usft (Original Well Elev)
<b>Project:</b>	Grand County, UT	<b>MD Reference:</b>	WELL @ 0.0usft (Original Well Elev)
<b>Site:</b>	Section 12, T21S-R18E	<b>North Reference:</b>	True
<b>Well:</b>	Tidewater Federal 12-24D-2118	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Back to Vertical at 4750		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.0	5.06	49.48	4,497.3	559.0	654.0	860.4	2.00	-2.00	0.00
4,700.0	3.06	49.48	4,597.0	563.6	659.4	867.5	2.00	-2.00	0.00
4,800.0	1.06	49.48	4,697.0	566.0	662.1	871.1	2.00	-2.00	0.00
4,853.1	0.00	0.00	4,750.0	566.3	662.5	871.6	2.00	-2.00	0.00
<b>End Drop</b>									
4,900.0	0.00	0.00	4,796.9	566.3	662.5	871.6	0.00	0.00	0.00
5,000.0	0.00	0.00	4,896.9	566.3	662.5	871.6	0.00	0.00	0.00
5,100.0	0.00	0.00	4,996.9	566.3	662.5	871.6	0.00	0.00	0.00
5,200.0	0.00	0.00	5,096.9	566.3	662.5	871.6	0.00	0.00	0.00
5,300.0	0.00	0.00	5,196.9	566.3	662.5	871.6	0.00	0.00	0.00
5,400.0	0.00	0.00	5,296.9	566.3	662.5	871.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,396.9	566.3	662.5	871.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,496.9	566.3	662.5	871.6	0.00	0.00	0.00
5,603.0	0.00	0.00	5,499.9	566.3	662.5	871.6	0.00	0.00	0.00
<b>BHL 1844' FSL - 2163 FWL - TD = 5,603' MD</b>									
5,603.1	0.00	0.00	5,500.0	566.3	662.5	871.6	0.00	0.00	0.00
<b>TF 2188 PBHL</b>									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TF 2188 PBHL	0.00	0.00	5,500.0	566.3	662.5	6,808,063.99	2,099,209.30	38° 59' 54.351 N	109° 53' 8.390 W
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 50.0)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
600.0	600.0	9 5/8"	9-5/8	12-1/4	

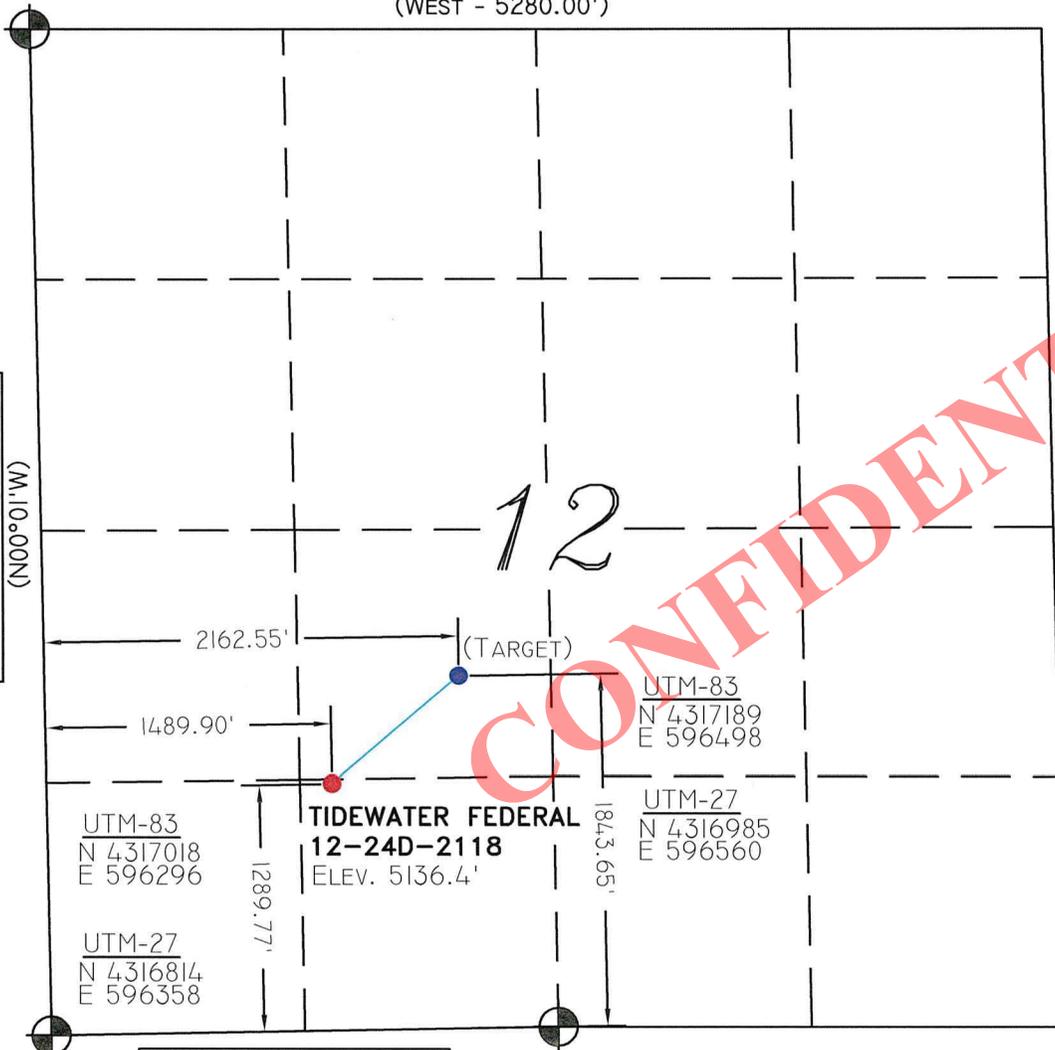
Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
1.0	1.0	0.0	0.0	SHL 1290' FSL - 1489 FWL
1,374.7	1,367.0	59.2	69.3	KOP 2/100'
4,128.3	4,033.0	507.0	593.2	End Build/Start Drop 2/100'
4,853.1	4,750.0	566.3	662.5	End Drop
5,603.0	5,499.9	566.3	662.5	BHL 1844' FSL - 2163 FWL
5,603.0	5,499.9	566.3	662.5	TD = 5,603' MD

# Range 18 East

(WEST - 5280.00')

Township 21 South

(N01°02'17"W - 5284.09')  
(N00°01'1"W)



(N88°55'54"W - 2645.47')

(N89°57'W - 5289.24')

**Legend**

- Drill Hole Location
- Metal Cap (Found)
- Brass Cap (Searched for, but not found)
- Calculated Corner
- ( ) GLO
- GPS Measured

**NOTES:**

1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder.

SURFACE		TARGET	
NAD 83/WGS 84		NAD 83/WGS 84	
SURFACE-NAD 27		TARGET-NAD 27	
LAT / LONG		LAT / LONG	
38°59'48.754"N	109°53'16.781"W	38°59'54.220"N	109°53'08.298"W
38°59'48.858"N	109°53'14.304"W	38°59'54.325"N	109°53'05.821"W

**Location:**

The well location was determined using a Trimble 5700 GPS survey grade unit.

**Basis of Bearing:**

The Basis of Bearing is GPS Measured.

**GLO Bearing:**

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

**Basis of Elevation:**

Basis of Elevation of 5175' being at the South Quarter Section Corner of Section 12, Township 21 South, Range 18 East, Salt Lake Base and Meridian, as shown on the Hatch Mesa Quadrangle 7.5 minute series map.

**Description of Location:**

**Surface**

Proposed Drill Hole located in the SE/4 SW/4 of Section 12, T21S, R18E, S.L.B.&M., being North 1289.77' from the South Line and East 1489.90' from the West Line of Section 12, T21S, R18E, Salt Lake Base & Meridian.

**Target**

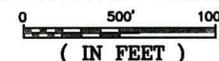
Proposed Target located in the NE/4 SW/4 of Section 12, T21S, R18E, S.L.B.&M., being North 1843.65' from the South Line and East 2162.55' from the West Line of Section 12, T21S, R18E, Salt Lake Base & Meridian.

**Surveyor's Certificate:**

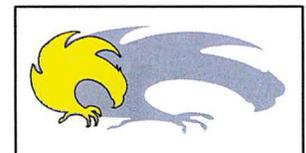
I, John S. Huefner, a Professional Land Surveyor, holding Certificate No. 144842 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



**GRAPHIC SCALE**



( IN FEET )  
1 inch = 1000 ft.  
Revision: 4/10/12  
Revision: 4/6/12



**TALON RESOURCES, INC.**

615 North 400 East P.O. Box 1230  
Huntington, Utah 84528  
Phone (435)687-5310 Fax (435)687-5311  
E-Mail talon @ etv.net

## TIDEWATER

**TIDEWATER FEDERAL  
12-24D-2118**  
Section 12, T21S, R18E, S.L.B.&M.  
Grand County, Utah

Drawn By: <b>N. BUTKOVICH</b>	Checked By: <b>A.P.C./J.S.H.</b>
Drawing No. <b>A-1</b>	Date: <b>3/26/12</b>
	Scale: <b>1" = 1000'</b>
Sheet <b>1</b> of <b>4</b>	Job No. <b>5028</b>

# TIDEWATER OIL & GAS COMPANY LLC

## SURFACE USE PLAN

**Name of Operator:** Tidewater Oil & Gas Company LLC  
**Address:** 110 16<sup>th</sup> Street, Suite 405  
Denver, CO 80202

**Well Location:** Tidewater Federal 12-24D-2118  
1290' FSL & 1490' FWL  
NE/4 SW/4 Section 12, T21S, R18E, SLB&M  
Grand County, UT

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approval before initiating construction. The BLM Authorized Officer will be notified at least forty-eight (48) hours prior to beginning construction for scheduling of a preconstruction meeting, if requested.

The well site is located on Federal surface managed by the BLM – Moab Field Office and will penetrate only federal minerals. Further, the surface hole location is on an existing drilling/production well pad where the Blaze A-1 well (API #: 4301930207) is currently located. Tidewater will be directionally drilling this well from the existing pad in order to minimize surface disturbance. Minimal additional surface disturbance activities are planned in order to accommodate a new well from this existing pad. All construction work will be accomplished in coordination with the BLM and a Sundry Notice (Form 3160-5) will be submitted and approved by the BLM prior to construction of any new surface disturbance activity on federal surface not specified in this document.

An approved Federal permit to drill, an approved UDOGM permit, and an approved Grand County road encroachment permit will be in place prior to initiating any construction activities.

The BLM onsite inspection for the referenced well was conducted on Tuesday, June 12, 2012 at 0900 hours. The following were present for the onsite inspection:

Melanie Hunter	BLM Natural Resource Specialist/ Project Lead
Ann Marie Aubry	BLM Hydrologist
Pam Riddle	BLM Wildlife Biologist
Don Montoya	BLM Archaeologist
Jessica Del Bocque	Montgomery Archaeological Consultants
Allen Childs	Talon Resources-Surveyor/ Engineer
Mitch Childs	Talon Resources-Surveyor Tech.
James Jones	Tidewater Oil and Gas- Manager
Walter Lowry	Tidewater Oil and Gas- Engineer
Mike Davis	Ksue Construction- Dirt Contractor

1. **Location of Existing Roads:**

- a. The proposed well site is located approximately 4.0 miles northwest of Crescent Junction, Utah.
- b. Proposed access will utilize the UDOT maintained SR-191 paved-surface and/or federal Interstate Highway I-70 to Crescent Junction then the existing paved/gravel surfaced Grand County maintained CR 223 to CR 225 to a point where proposed access begins. (See Survey Plat package attached to Application for Permit to Drill).
- c. No upgrades are proposed to CR 223 or CR 225, but spot gravel replacement and routine blading may be required to accommodate increased traffic.
- d. The use of roads under State and Grand County Road Department maintenance are necessary to access the well site.
- e. All existing roads will be maintained and kept in good repair during all phases of operation.
- f. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

2. **Planned Access Roads:**

- a. From the existing Grand County Road Department maintained CR 225 approximately 120' of new access road trending southeast is proposed to the well site (See Survey Plat package attached to Application for Permit to Drill).
- b. A road design plan is not anticipated at this time.
- c. The proposed access road will consist of a 14' travel surface within a 30' disturbed area across BLM surface.
- d. A maximum grade of 6% will be maintained throughout the project.
- e. No culverts or low-water crossings are anticipated. Adequate drainage structures will be incorporated into the road.
- f. Turnouts are not proposed because the access road is short and adequate site distance exists in all directions.
- g. Surfacing material will come from a permitted private source and will not be obtained from federal lands.
- h. No cattlegaurd or fence structures are anticipated.

- i. Surface disturbance and vehicular travel will be limited to the approved location access road.
- j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development (Gold Book –Fourth Edition - Revised 2007).
- k. The operator will be responsible for all maintenance of the access road including drainage structures.
- l. The entire 30-foot wide corridor will not be bladed but rather the minimum additional disturbance will be added to upgrade the road to a 14' width.

**3. Location of Existing Wells:**

- a. There are no existing wells within a one mile radius of the proposed location.

**4. Location of Existing and/or Proposed Production Facilities:**

- a. All permanent structures will be painted a flat, non-reflective Beetle Green to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run may be constructed and installed on lease, and if such construction is effectuated, it will be within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery may be constructed on this lease, and if constructed, it will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly lined and fenced to prevent any wildlife and livestock entry and netting will be installed if hydrocarbons become present.

- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. Periodic maintenance of the site will be conducted to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- h. A pipeline corridor has been considered but until actual production has been established which evidences production of natural gas in commercial quantities, construction of a gas pipeline is not anticipated at this time.

5. Location and Type of Water Supply:

- a. The water supply for construction, drilling and operations will be provided under a direct purchase agreement with Thompson Springs, Utah, a local source of municipal water.
- b. Approximately 3 acre-feet of water is anticipated for dust suppression, drilling and completion of the project.
- c. No water pipelines will be laid for this well.
- d. No water well will be drilled for this well.
- e. Drilling water for this will be hauled on the road(s) shown on the attached survey plat.
- f. Should additional water sources be pursued they will be properly permitted through the State of Utah – Division of Water Rights and a federal sundry notice submitted amending this document.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be obtained or removed from federal lands, other than those inherent to the proposed drilling site.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste:

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

- b. Drill cuttings will be contained and buried on site within the 100' X 50' X 10' cuttings pit.
- c. Oil mud, if utilized, will be stored in auxiliary tanks located on this well pad and will be an integral part of the active mud system. Cuttings will be deposited in the cuttings pit for solidification and burial or disposal, or will be land-farmed if approved by the Moab BLM Office. Drying shakers and centrifuges will be used in conjunction with rig equipment, if oil mud is utilized during drilling operations.
- d. The reserve pit will be located inboard of the location and along the southeast side of the pad and measure 100' X 50' X 10' deep.
- e. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- f. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap 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 operation.
- g. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- h. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the 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.
- i. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to an approved Grand or Emery County landfill.
- j. Produced fluids from the well, other than water, will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed. Produced fluids will be disposed of at a permitted facility.
- k. After initial clean-up, a 400 bbl tank will be installed to contain produced waste

water. This water will be transported from the tank to an approved disposal well for disposal.

- l. Produced water from the production well will be disposed of in accordance with Onshore Order #7.
- m. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the oil mud drilling fluid.
- n. Sanitation facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced or serviced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet or its contents so that the contents can be delivered to the Moab or Monticello Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.
- b. Four (4) temporary living quarters will be onsite during the drilling operations. The temporary quarters will provide 24/7 housing for Tidewater's onsite drilling supervisor, the directional drilling crew (if required), the mudlogger, and the drilling rig's toolpusher. Each of the temporary living quarters will be equipped with sanitation facilities and electrical power provided via portable generator.
- c. No camps, airstrips or staging areas are proposed with this application.

9. Well Site Layout: (See attached survey plat package)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the northwest.
- c. The pad and road designs are consistent with BLM specifications.
- d. None of the pad corners will need to be rounded to address specific disturbances near any of the intermittent drainages around the pad.
- e. A pre-construction meeting with responsible company representative(s), a dirt contractor and various BLM officials and employees was conducted at the project site on June 12, 2012. The proposed pad and road construction was staked prior to this meeting.
- f. The pad has been staked at its maximum size; however it will be constructed

smaller, if possible, depending upon the footprint of the contracted drilling rig. Should the layout change, this application will be amended and approved utilizing a Sundry Notice.

- g. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- h. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- i. Blasting may be required for the pit area and attempts will be made to avoid blasting of the pad area.
- j. Diversion ditches around the well site will only be constructed if necessary to prevent surface waters from entering the well site area.
- k. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- l. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a discontinuous windrow around the perimeter of the location and not stored in one large pile. This storage method will prevent contamination and decreased spreading distance will minimize topsoil loss during future reclamation efforts. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss, sterilization and contamination.
- m. Pits will remain fenced until site cleanup and reclamation.
- n. The blooie line will be located at least 75 feet from the well head.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion, and compliment the visual resources of the area.
  - a. All equipment and debris will be removed from the area proposed for

interim reclamation and the pit area will be backfilled and re-contoured.

- b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:

BLM Seed Mix: 14 lbs/acre

- o Sand dropseed – *Sporobolus cryptandurs* (3 lbs / acre)
- o Fourwing Saltbush – *Atriplex canescens* (3 lbs / acre)
- o Needle and Thread Grass - (4 lbs / acre)
- o Indian Rice Grass – *Achnatherum himenoides* (4 lbs / acre)

- c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.

- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the Grand County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.
- f. A final abandonment notice will be submitted to BLM when the reclamation activities (as presented in this document) are complete and new vegetation is established. Should there be any deviation from these planned reclamation activities, the surface owner will be notified and a Sundry Notice will be submitted to BLM for approval of the new closure and reclamation activities.

11. Surface and Mineral Ownership:

- a. Surface Ownership – Federal under the management of the Bureau of Land Management - Moab Field Office, 82 East Dogwood, Moab, Utah 84532; 435-259-2145.
- b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Moab Field Office, 82 East Dogwood, Moab, Utah 84532; 435-259-2145.

12. Other Information:

- a. Company Representatives:

James Jones, Manager	303-468-0656 (office)
Tidewater Oil & Gas Company LLC	303-547-6404 (mobile)
110 16 <sup>th</sup> Street, Suite 405	

Denver, Colorado 80202  
[jjones@tidewater-oil.com](mailto:jjones@tidewater-oil.com)

Walter Lowry- Operations Manager  
Tidewater Oil & Gas Company LLC  
110 16<sup>th</sup> Street, Suite 405  
Denver, Colorado 80202  
[wlowry@tidewater-oil.com](mailto:wlowry@tidewater-oil.com)

303-469-0656 (office)  
303-884-5505 (mobile)

b. Company Agent:

All documents for permitting, and all communications regarding permitting, drilling, completion & production operations, and reclamation are handled in-house by Tidewater, and no agent has been appointed for such work.

- c. Montgomery Archaeological Consultants has conducted a Class III archeological survey over the proposed site, and a copy of the clearance report will be submitted as part of the Application for Permit to Drill.
- d. A biological clearance survey for raptors and other species of interest is being conducted the week of June 25, 2012 by Robert Magill (a certified Wildlife Biologist with Western Slope Wildlife, LLC). Mr. Magill's name was provided to Tidewater as one party on a list of 15 approved wildlife biologists by Melanie Hunter with the Moab BLM Office. A copy of Mr. Magill's wildlife survey will be provided to the BLM Moab, Utah office as soon as it becomes available to Tidewater.
- e. An emissions inventory has been completed for this project and is attached as an exhibit to this plan. With respect to the development of the proposed well, the primary source of air emissions to the atmosphere will be the drilling rig engines and related drilling activity. The single well pad will be constructed using typical construction equipment and techniques and will potentially include the use of a bulldozer, front end loader and grader. Tail pipe emissions from the mobilization and operation of the construction equipment will be negligible in comparison to the emissions related to drilling operations. Fugitive dust emissions will occur as a result of construction activities; however the magnitude of these emissions will be highly dependent upon the time of the year the construction activity occurred, and the frequency of precipitation events or snow cover. If necessary, fugitive dust will be controlled with the application of fresh water on access roads and the drilling pad. Given the exploratory nature of the proposed well, emissions related to completion and production operations are very speculative.

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 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 and that bond coverage is provided under Tidewater Oil & Gas Company LLC's BLM bond (UTB-000211). These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 12<sup>th</sup> day of July, 2012.

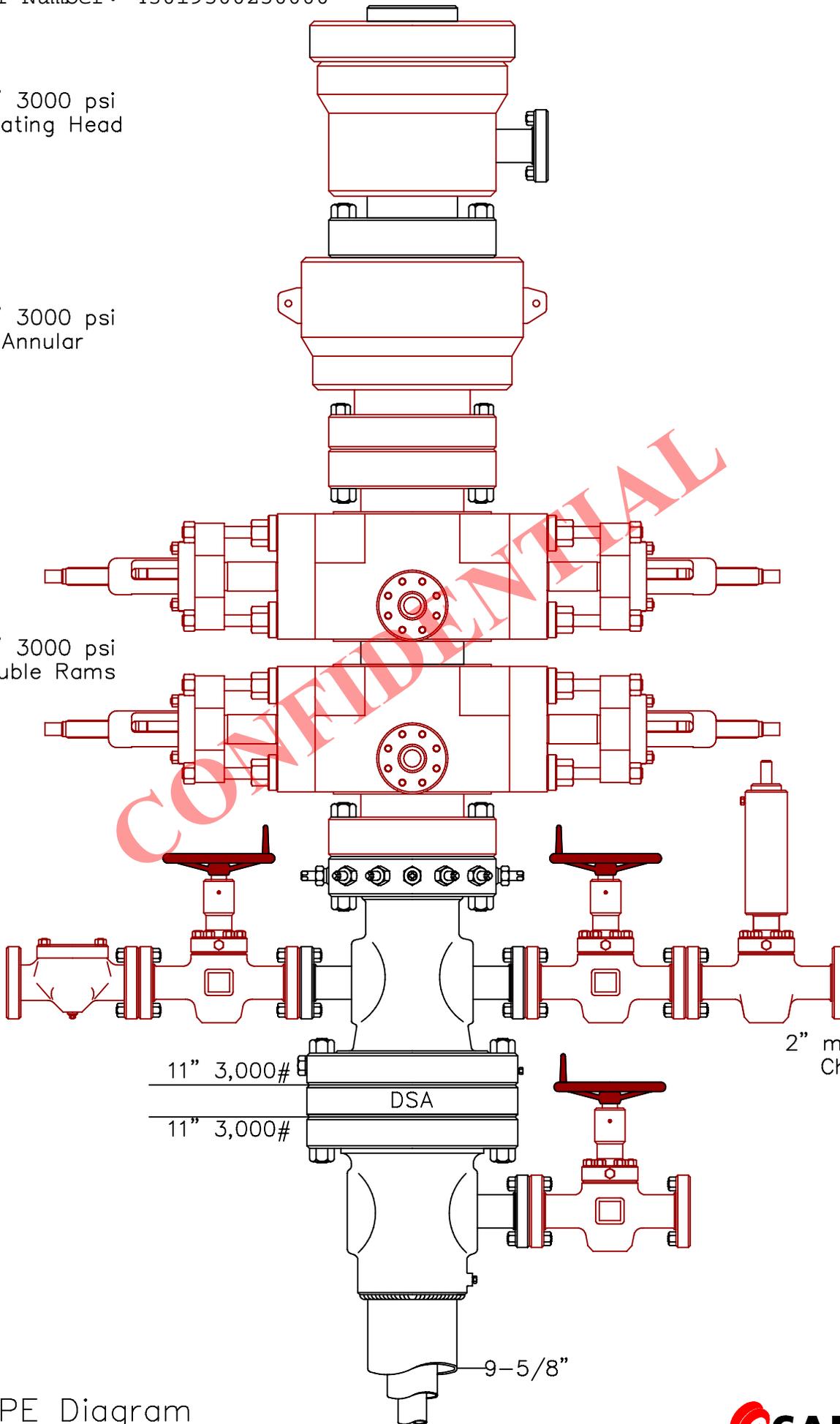
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Walter Lowry, Operations Manager 303-884-5505 (Mobile)  
Tidewater Oil & Gas Company LLC  
110 16<sup>th</sup> Street, Suite 405  
Denver, Colorado 80202  
[wlowry@tidewater-oil.com](mailto:wlowry@tidewater-oil.com)

11" 3000 psi  
Rotating Head

11" 3000 psi  
Annular

11" 3000 psi  
Double Rams



2" 3,000# psi  
Kill-Line

2" min. 3000 psi  
Choke-Line

11" 3,000#

11" 3,000#

DSA

9-5/8"

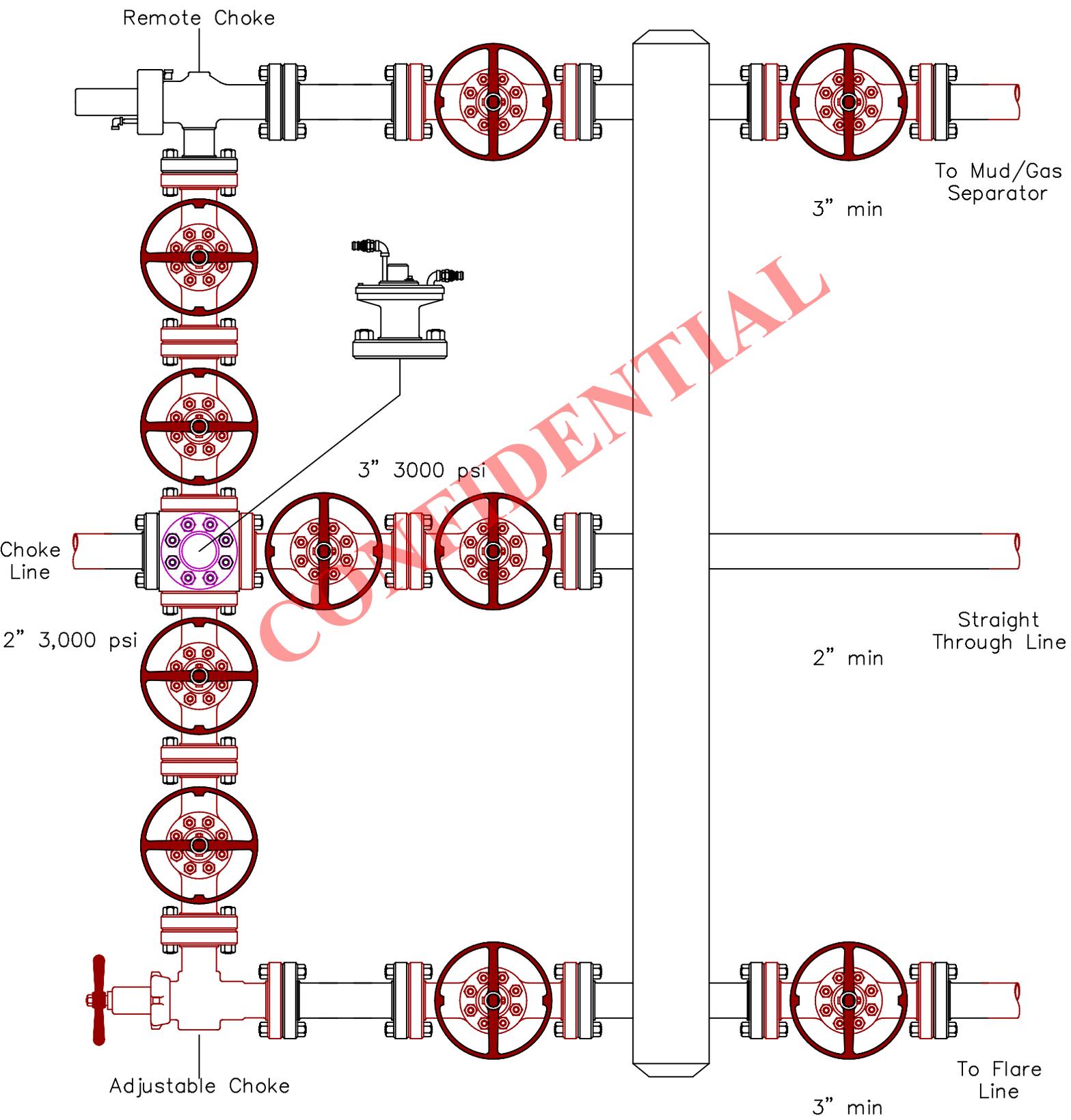
BOPE Diagram  
3000 psi WP



Class 2

Name: Jeanette	Date: 8-29-07	Working Pressure: 3,000# #	Date: July 13, 2012
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RECEIVED: 3,000# # 13 J-2012-7



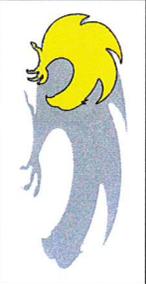
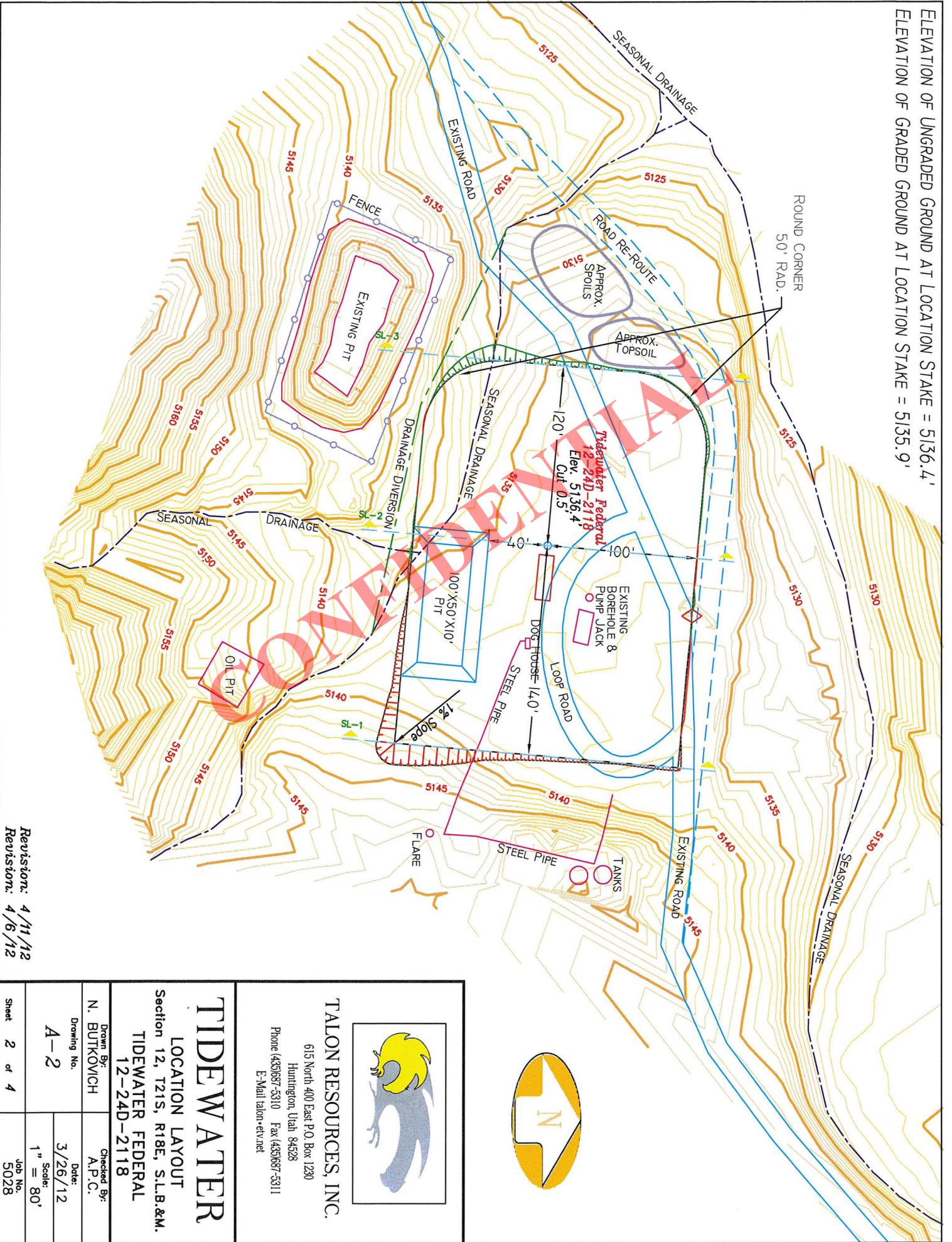
CONFIDENTIAL

Choke Manifold  
(Typical)  
Class 2



Name: Jeanette	Date: 8-29-07	Working Pressure: 3,000 #	July 13, 2012-5
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ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 5136.4'  
 ELEVATION OF GRADED GROUND AT LOCATION STAKE = 5135.9'

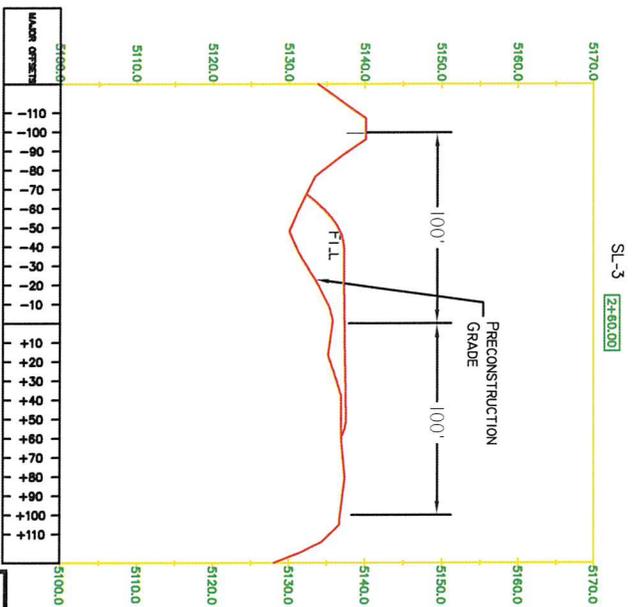
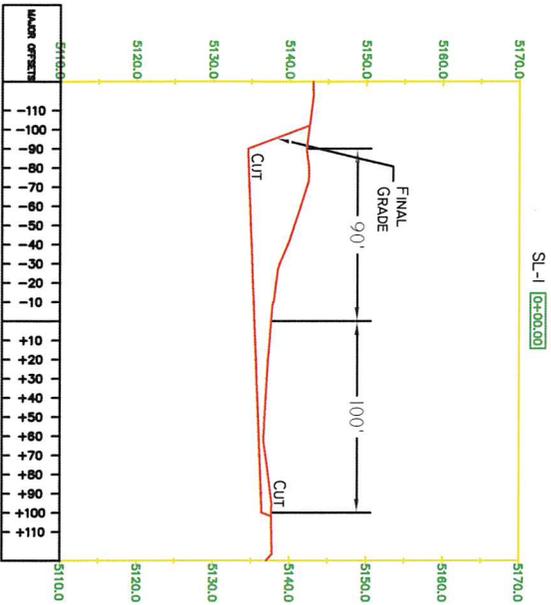
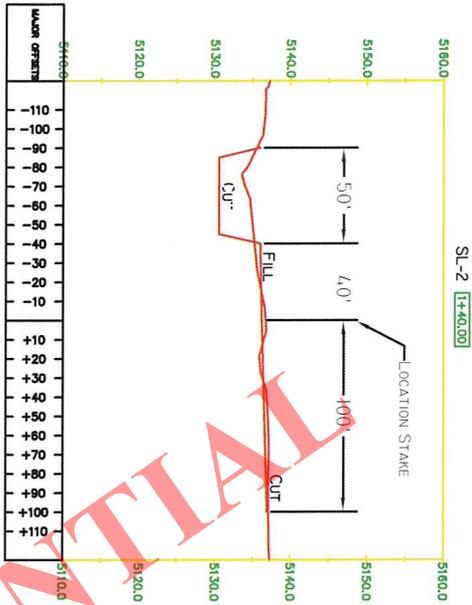


**TALON RESOURCES, INC.**  
 615 North 400 East P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail talon@ctv.net

**TIDEWATER**  
 LOCATION LAYOUT  
 Section 12, T21S, R18E, S.L.B.&M.  
**TIDEWATER FEDERAL**  
 12-24D-2118

Drawn By: <b>N. BUTKOVICH</b>	Checked By: <b>A.P.C.</b>
Drawing No. <b>A-2</b>	Date: <b>3/26/12</b>
	Scale: <b>1" = 80'</b>
Sheet <b>2</b> of <b>4</b>	Job No. <b>5028</b>

Revision: 4/11/12  
 Revision: 4/6/12



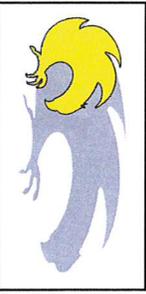
SLOPE = 1 1/2 : 1  
 (EXCEPT PIT)  
 PIT SLOPE = 1 : 1

X-Section  
 Scale  
 1" = 40'  
 1" = 10'

CONFIDENTIAL

APPROXIMATE YARDAGES  
 (6") TOPSOIL STRIPPING = 455 CU. YDS.  
 TOTAL CUT (INCLUDING PIT) = 2,895 CU. YDS.  
 TOTAL FILL = 1,055 CU. YDS.

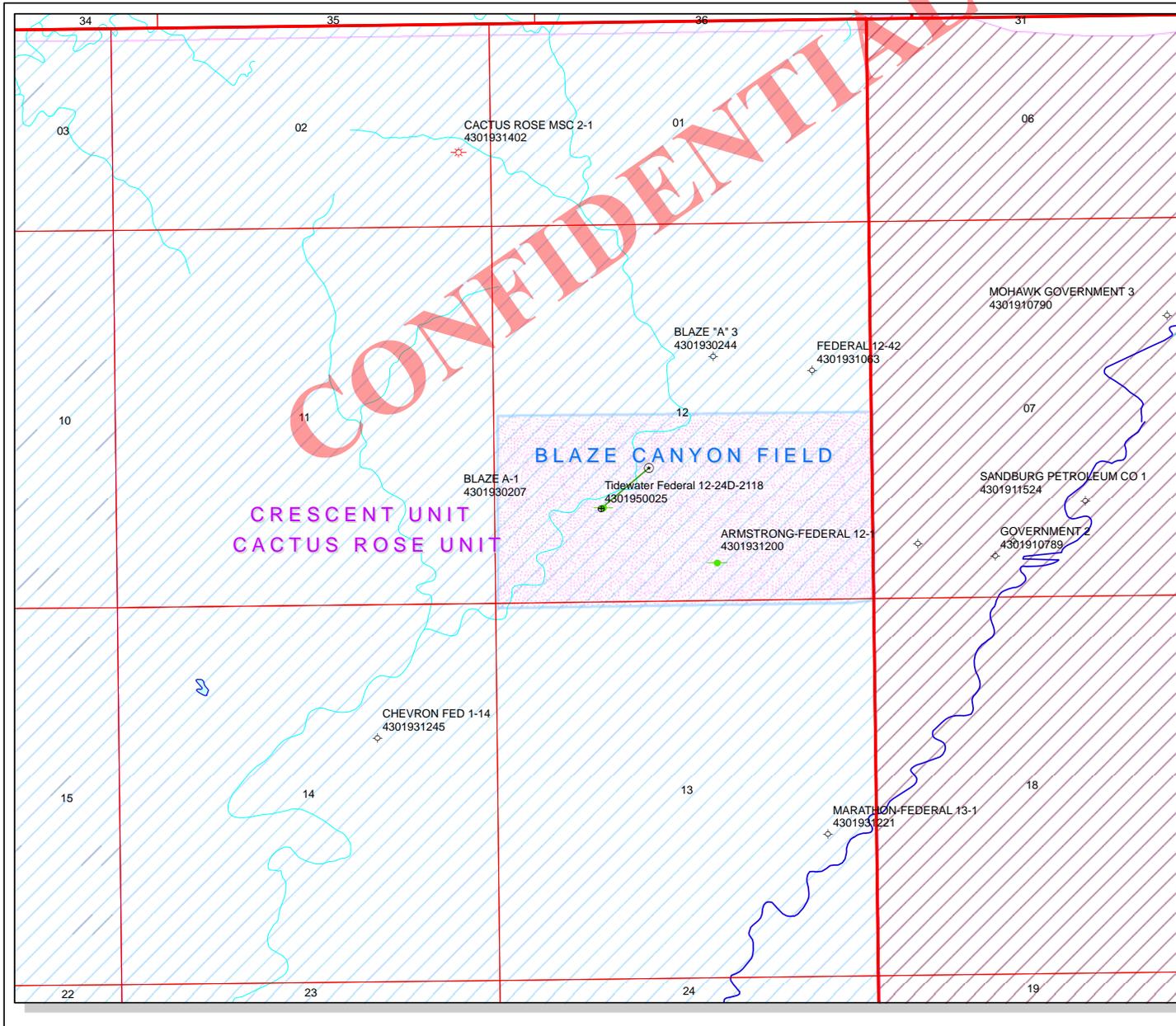
Revision: 4/11/12  
 Revision: 4/6/12



**TALON RESOURCES, INC.**  
 615 North 400 East P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail talon@trv.net

**TIDEWATER**  
 TYPICAL CROSS SECTION  
 Section 12, T21S, R18E, S.L.B.&M.  
 TIDEWATER FEDERAL  
 12-24D-2118

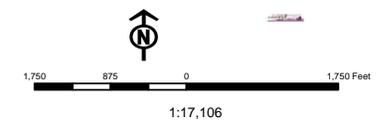
Drawn By: N. BUTKOVICH	Checked By: A.P.C.
Drawing No. C-1	Date: 3/26/12
Sheet 3 of 4	Scale: 1" = 100'
	Job No. 5028



**API Number: 4301950025**  
**Well Name: Tidewater Federal 12-24D-2118**  
**Township T21.0S Range R18.0E Section 12**  
**Meridian: SLBM**  
**Operator: TIDEWATER OIL & GAS COMPANY, LLC**

Map Prepared:  
 Map Produced by Diana Mason

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

August 1, 2012

Memorandum

To: AFM-Resources, Moab Field Office  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2012 Plan of Development Crescent Unit Grand  
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 well is planned for calendar year 2012 within the Crescent Unit, Grand County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Glenn Canyon Group)		
43-019-50025	Tidewater Federal 12-24D-2118	Sec 12 T21S R18E 1290 FSL 1490 FWL BHL Sec 12 T21S R18E 1844 FSL 2163 FWL

This office has no objection to permitting the well at this time. However, please be advised that this well has not been approved as an "obligation well" under the Crescent Unit Agreement.

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: 2012.08.01 13:30:14 -0600

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

MCoulthard:mc:8-1-12

RECEIVED: August 01, 2012

**Tidewater Oil & Gas, LLC**  
**Tidewater Federal 12-24D-2118**  
**Grand County, UT**

**Geodetic System: US State Plane 1983**  
**Zone: Utah Central Zone**  
**WELL @ 0.0usft (Original Well Elev)**  
**Ground Level: 5136.5**  
**Latitude: 38° 59' 48.754 N**  
**Longitude: 109° 53' 16.781 W**

**Magnetic North is 10.96° East of True North (Magnetic Declination)**

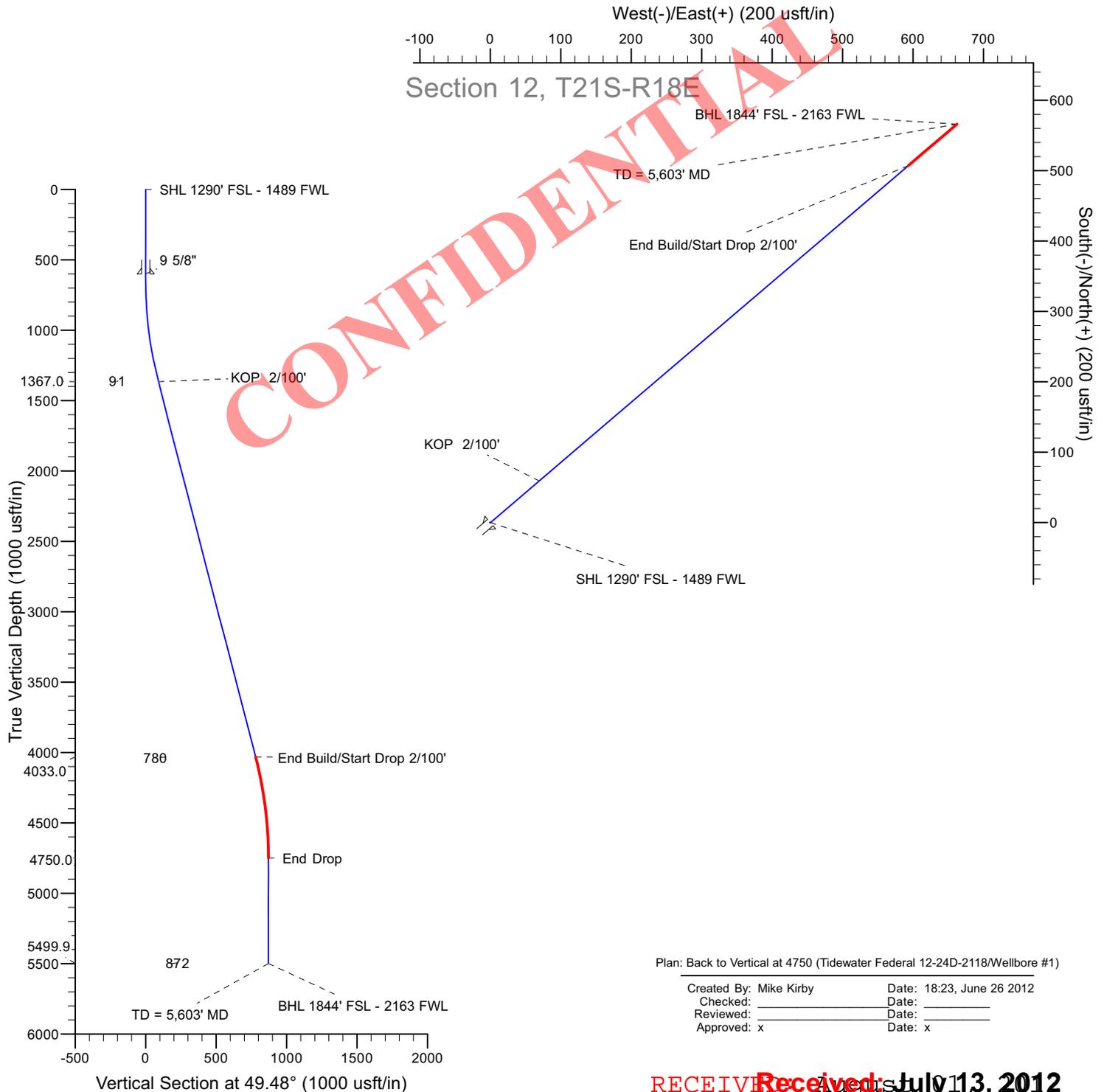


Azimuths to True North  
 Magnetic North: 10.96°

Magnetic Field  
 Strength: 51661.2snT  
 Dip Angle: 64.94°  
 Date: 6/25/2012  
 Model: IGRF2010

**Directional Plan**

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.0
1374.7	14.49	49.48	1367.0	59.2	69.3	2.00	49.48	91.2
4128.3	14.49	49.48	4033.0	507.1	593.2	0.00	0.00	780.4
4853.1	0.00	0.00	4750.0	566.3	662.5	2.00	180.00	871.6
5603.1	0.00	0.00	5500.0	566.3	662.5	0.00	0.00	871.6



Plan: Back to Vertical at 4750 (Tidewater Federal 12-24D-2118/Wellbore #1)

Created By: Mike Kirby Date: 18:23, June 26 2012  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: x Date: x

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/13/2012

API NO. ASSIGNED: 43019500250000

WELL NAME: Tidewater Federal 12-24D-2118

OPERATOR: TIDEWATER OIL &amp; GAS COMPANY, LLC (N3000)

PHONE NUMBER: 303 884-5505

CONTACT: Walter Lowry

PROPOSED LOCATION: NESW 12 210S 180E

Permit Tech Review: 

SURFACE: 1290 FSL 1490 FWL

Engineering Review: 

BOTTOM: 1844 FSL 2163 FWL

Geology Review: 

COUNTY: GRAND

LATITUDE: 38.99690

LONGITUDE: -109.88789

UTM SURF EASTINGS: 596305.00

NORTHINGS: 4317021.00

FIELD NAME: WILDCAT

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-20784

PROPOSED PRODUCING FORMATION(S): WINGATE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - UTB-000211
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Town of Thompson Springs
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason  
15 - Directional - dmason  
23 - Spacing - dmason



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:** Tidewater Federal 12-24D-2118  
**API Well Number:** 43019500250000  
**Lease Number:** UTU-20784  
**Surface Owner:** FEDERAL  
**Approval Date:** 8/2/2012

### Issued to:

TIDEWATER OIL & GAS COMPANY, LLC, 110 16th St Ste 1220, Denver, CO 80202

### Authority:

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

### Duration:

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

### General:

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

### Conditions of Approval:

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

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

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

establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**Notification Requirements:**

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

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

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

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

**Reporting Requirements:**

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

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

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118
<b>3. ADDRESS OF OPERATOR:</b> 110 16th St Ste 1220 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43019500250000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
		<b>COUNTY:</b> GRAND
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/13/2102	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS 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. Tidewater spudded the referenced well at 2045 hours on 10/13/2012.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          October 29, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Walter Lowry	<b>PHONE NUMBER</b> 303 884-5505	<b>TITLE</b> Engineer
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/28/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT	
<b>1. TYPE OF WELL</b> Oil Well	
<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118	
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC	
<b>9. API NUMBER:</b> 43019500250000	
<b>3. ADDRESS OF OPERATOR:</b> 110 16th St Ste 1220 , Denver, CO, 80202	
<b>PHONE NUMBER:</b> 303 468-0656 Ext 201	
<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S	
<b>COUNTY:</b> GRAND	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input 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: 10/12/2012	<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 checked="" 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.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 October 30, 2012**

<b>NAME (PLEASE PRINT)</b> Walter Lowry	<b>PHONE NUMBER</b> 303 884-5505	<b>TITLE</b> Engineer
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/28/2012	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/12/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Building road and location	Days From Spud: 0	Current Depth: 60' BGL	24 Hour Footage: 60'	Hole Condition: NA	Hole Problems: NA
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**Summary:** MIRU Aztec Rig #580 to drill. Take delivery of 750 bbls of oil based mud. Spot living quarters. Will finish spotting living quarters on 10/12/12. 9-5/8" surface casing staged on site ready to be unloaded. Loading 500 bbl frac tank with water. Take delivery of starting head. Anticipate spud the afternoon of 10/12/12. 16" conductor casing set at 60' below ground level by Pete Martin Rathole Drilling.

Walt Lowry (Engineer/Company Man): 303-884-5505

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									COST:	Today:	Cum.:
											Rig:		
											Mud:		
											Chemicals/ Water/ Air:		
											Bit/ Rmr:		
											Rentals:		
											Geologist & Mudlogger:		
											Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	0										Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
Today:									Repair:	Other:	Footage:	Daywork:	
Cum.:												0	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/13/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Building road and location	0	60' BGL	60'	NA	NA

**Summary:** Continue MIRU of Aztec #580. Rained hard most of the day yesterday. Road very muddy and trucks sliding off road and getting stuck with high frequency. Waiting on welder to cut off conductor. Will spud today. Internet now working. Satellite phone working as well. Phone number to Company Many trailer is 970-986-4832.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	OPERATIONS								COST:	Today:	Cum.:
0700-0700	24.00	See above.								Rig:		
										Mud:		
										Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24</b>									<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:												0
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/14/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Spud well.	0.5	217' RKB	134'	Good	Very hard

**Summary:** Finally stopped raining yesterday and roads and location are drying out. Take delivery of spiral HWDP. Fill in existing 40'x40'x10' reserve pit and place 3-sided tank in that spot. Re-dig 20'x20'x10' reserve pit for water-based cuttings and line same. Spot pipe tubs and catwalk.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	200	8.7	39		NC		9.5						
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8										
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
	83-217'	15K	60		296								
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	FDS	117	XYZ2314	3x16	83'						

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>									COST:	Today:	Cum.:
0700-1900	12.00	Prepare rig and location for spud. Re-grade road and location. Finish reserve pits.									Rig:		
		Take delivery of HWDP, Jars, rotating head. Cut off conductor casing. RU drying shaker, 3-sided tank, and centrifuge. Deliver FW for spud mud. Hook up Pason and satellite phone communications. Deliver fuel for generators.									Mud:		
											Chemicals/ Water/ Air:		
											Bit/ Rmr:		
1900-2045	1.75	Pick up BHA. Bit, 10- 6.25" DCs, HWDP.									Rentals:		
2045-0700	10.25	Spud well at 2045 hrs on 10-13-12 at 60' BGL (71' RKB). Drill 12-/14" hole from 83'-217' (134'). Drilling very hard and bouncing when weight is placed on bit. Will evaluate ordering a shock sub today.									Geologist & Mudlogger:		
											Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	24										Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
									Repair:	Other:	Footage:	Daywork:	
Today:	10.25							1.75				12.0	
Cum.:	10.25							1.75				12.0	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/15/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Drilling 12-1/4" hole.</b>	Days From Spud: <b>1.5</b>	Current Depth: <b>671' RKB</b>	24 Hour Footage: <b>454'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>Tite in spots</b>
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**Summary:** Drill 12-1/4" hole from 217' to 671' (TD of surface hole). Circulate until shaker is clean. Short trip 6 stands. Encountered two tite spots tripping I hole. Ream through same. 7' fill on bottom. Circulate until shaker is clean. Prepare to TOO H to RU casing crew and run 9-5/8" 36.0 ppf J55 STC surface casing.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	<b>671</b>	<b>9.1</b>	<b>45</b>	<b>10/13/16</b>	<b>7.8</b>	<b>2</b>	<b>10.6</b>	<b>500</b>	<b>40</b>	<b>7.0</b>	<b>&lt;1</b>		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>10</b>	<b>6</b>								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
	<b>217-671'</b>	<b>15-20K</b>	<b>60</b>	<b>2250</b>	<b>250</b>	<b>100</b>	<b>20.3</b>						
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	<b>1</b>	<b>STC</b>	<b>FDS</b>	<b>117</b>	<b>XYZ2314</b>	<b>3x16</b>	<b>83'</b>	<b>671</b>	<b>588</b>	<b>20.3</b>	Bit:	Cum.	
											<b>29.00</b>	<b>29.00</b>	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
<b>0700-1030</b>	<b>3.50</b>	<b>Drill 12-1/4" hole f/ 217'-269'</b>										Rig:		
<b>1030-1045</b>	<b>0.25</b>	<b>Run wireline survey @ 269'- 1 degree</b>										Mud:		
<b>1045-0200</b>	<b>15.25</b>	<b>Drill 12-1/4" hole f/ 269'- 671'</b>										Chemicals/ Water/ Air:		
<b>0200-0230</b>	<b>0.50</b>	<b>Circulate and condition mud until shaker is clean.</b>										Bit/ Rmr:		
<b>0230-0330</b>	<b>1.00</b>	<b>Rig down swivel &amp; RU pipe spinner.</b>										Rentals:		
<b>0330-0400</b>	<b>0.50</b>	<b>Rig repair. Work on pipe spinner.</b>										Geologist & Mudlogger:		
<b>0400-0430</b>	<b>0.50</b>	<b>Short trip 360'. Hole in good condition.</b>										Supr:		
<b>0430-0630</b>	<b>2.00</b>	<b>TIH. Hit 2 tite spots and ream through both.</b>										Fuel/ Lube:		
<b>0630-0700</b>	<b>0.50</b>	<b>Circulate &amp; condition mud to run surface casing.</b>										Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
<b>Total</b>	<b>24</b>											<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:			
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
<b>Today:</b>	<b>18.75</b>	<b>3.00</b>	<b>0.50</b>			<b>1.00</b>		<b>0.75</b>	Repair:	Other:	Footage:	Daywork:		
<b>Cum.:</b>	<b>29.00</b>	<b>3.00</b>	<b>0.50</b>			<b>1.00</b>		<b>2.50</b>				<b>36.00</b>		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/16/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Prep to weld on casinghead	Days From Spud: 2.5	Current Depth: 671' RKB	24 Hour Footage: 0	Hole Condition: Deteriorating	Hole Problems: Tite & sloughing shale
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**Summary:** Run & cement 9-5/8" surface casing. WOC.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	671	9.1	45	10/13/16	7.8	2	10.6	500	40	7.0	<1		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	29.00	29.00	SIH

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	OPERATIONS										COST:	Today:	Cum.:
0700-1000	3.00	LD 1 jt. Hang back swivel. LD 4 DCs.										Rig:		
1000-1730	7.50	RU Weatherford casing crew. Run 16 joints of 9-5/8" 36 ppf J55 STC surface casing. Hit several bridges and heavy fill. Wash 10 joints to bottom.										Mud:		
												Chemicals/ Water/ Air:		
1730-1830	1.00	Circulate and condition mud until shaker is clean.										Bit/ Rmr:		
1830-1945	1.25	RU Baker Hughes Pressure Pumping. Hold safety meeting. Pressure test lines to 4000 psi. Pump 10 bbl FW dyed spacer, 10 bbls bentonite spacer, 10 bbls FW spacer, and Batch mix 370 sx (79 bbls) cement + 2% CaCl2 + 0.25 pps cellophane flake. Drop plug and displace with 49.5 bbls FW. Floats held. Good returns throughout job. Returned ~35 bbls good cement to reserve pit. Jeff Brown with the Monticello, UT BLM office witnessed the entire Casing and cementing job and left location giving Tidewater the approval to proceed with wellhead installation after cement sets up.										Rentals:		
												Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
1945-0345	8.00	WOC										Back Off		
0345-0700	3.25	Could not get in touch with welder who was set up for job. Wait on welder.										Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
<b>Total</b>	<b>24</b>											<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:			
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:						1.00	10.50	12.50	Repair:	Other:	Footage:	Daywork:		
Cum.:	29.00	3.00	0.50			2.00	10.50	15.00				60.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/17/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: <b>Testing BOPE</b>	Days From Spud: 3.5	Current Depth: 671' RKB	24 Hour Footage: 0	Hole Condition:	Hole Problems:
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**Summary:** Cut off 9-5/8" casing. Weld on 9-5/8" SOW X 11" 3M casing head. NU & test BOPE. Jeff Brown with Monticello, UT BLM office still on location monitoring and supervising all BOPE testing efforts. Test annular preventor to 1500 psi. Held ok. Test pipe and blind rams to 3000 psi. Held ok. Test TIW valve to 3000 psi. Held ok. Test casing to 1500 psi surface pressure. Held ok. New check valve on choke manifold is not holding. Waiting on new check valve. Manufacturing choke lines.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	671	9.1	45	10/13/16	7.8	2	10.6	500	40	7.0	<1		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
											29.00	29.00	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									COST:	Today:	Cum.:
0700-0830	1.50	WO welder.									Rig:		
0830-1145	3.25	Cut off 9-5/8" casing. Weld on Camerson 9-5/8" SOW X 11" 3M casing head. Test weld. OK.									Mud:		
1145-2130	9.75	NU BOPE.									Chemicals/ Water/ Air:		
2130-0200	4.50	Testing BOPE. Test annular preventor to 1500 psi. Held ok. Test pipe rams, blind rams, & TIW valve to 3000 psi. Held ok. Test casing to 1500 psi surface pressure. Held ok.									Bit/ Rmr:		
											Rentals:		
0200-0430	2.50	Finish rigging up choke manifold.									Geologist & Mudlogger:		
0430-0700	2.50	New check valve in choke manifold not holding pressure. Waiting on replacement check valve.									Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	24										Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
									Repair:	Other:	Footage:	Daywork:	
Today:									2.50			24.00	
Cum.:	29.00	3.00	0.50			2.00	10.50	36.50	2.50			84.00	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/18/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118

API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Drilling shoe joint	Days From Spud: 4.5	Current Depth: 671' RKB	24 Hour Footage: 0	Hole Condition:	Hole Problems:
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**Summary:** Finish testing BOPE. Rig up Katch Can to catch oil based mud drippings. Fill steel pits with oil based mud. Set wear bushing. PU directional tools. TIH. Tag cement at 610'. Circulate & condition mud. Rig repair- mud pump.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	Calcium PPM:	Solids %:	Salt (%):	Lime	
	671	8.5	37	4/7/8	10.4	2	460	42000	40	8.0	20.8	3.77	
Mud Pump:	Number:	Mnfrct:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfrct:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfrct:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	SIH
	2- 7.875"	STC	MDSI616		JF8117	3x16	671				29.00	29.00	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-0930	2.50	Testing manifold and accumulator.										Rig:		
0930-1045	1.25	Run 2" & 3" steel lines off manifold.										Mud:		
1045-1330	2.75	RU Katch Kan OBM drip pans.										Chemicals/ Water/ Air:		
1330-1630	3.00	MU & test new check valve to 3000 psi to replace original that would not seal. Test TIW valve to 3000 psi.										Bit/ Rmr:		
												Rentals:		
1630-1815	1.75	RU hoses to desander. Fill steel pits with 8.5 ppg oil based mud.										Geologist & Mudlogger:		
1815-1900	0.75	Hang swivel and set wear bushing.										Supr:		
1900-2300	4.00	PU directional tools. Bit, mud motor, 2- monel DCs, 6- 6.25" steel DCs, 39 jts SWDP, jars, 4 SW										Fuel/ Lube:		
2300-2400	1.00	Service rig. PU swivel & XO. Replace TIW valve.										Logs:		
2400-0300	3.00	Hang back swivel. TIH w/ directional tools. Tag cement at 610'. PU swivel.										Wellhead, Tbg & Csg		
0300-0615	3.25	Condition & circulate mud.										Cmt & Cmtg:		
0615-0700	0.75	Rig repair- Mud Pump #1.										Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	24											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:			
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:		7.00	1.00			3.25		12.00	Repair:	Other:	Footage:	Daywork:		
Cum.:	29.00	10.00	1.50			5.25	10.50	48.50	3.25			108.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/19/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 1460'.	Days From Spud: 5.5	Current Depth: 1458' RKB	24 Hour Footage: 787'	Hole Condition: Good	Hole Problems: None
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**Summary:** Repair mud pump #2. Drill out shoe joint and float equipment. Rotate & slide while directionally drilling the 7-7/8" production hole from 671'-1121'. Wiper trip. No fill. Rotate & slide from 1121'-1458'.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	Calcium PPM:	Solids %:	Salt (%):	Lime	
	1458	8.5	65	10/13/2016	6.0	2	460	42000	40	8.0	20.8	3.77	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	671-1458	10	50/148	2750	509	108	787	6		329			
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit: Cum.		
		STC	MDSI616		JF8117	3x16	671	1458	787	42	29.00	29.00	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0730	0.50	Rig Repair- Mud Pump #2. Finish displacing hole with 8.5 ppg oil-based mud.								Rig:		
0730-0915	1.75	Drill out shoe joint.								Mud:		
0915-2045	11.50	Directionally drill (slide & rotate) from 671'- 1121'.								Chemicals/ Water/ Air:		
2045-2245	2.00	Short trip to wipe hole.								Bit/ Rmr:		
2245-2345	1.00	TIH. Hook up swivel. No fill.								Rentals:		
2345-0700	7.25	Directionally drill (slide & rotate) from 1121'-1458. (see attached survey sheet)								Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	10u			C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	18.75	3.00							Repair:	Other:	Footage:	Daywork:
Cum.:	47.75	13.00	1.50			5.25	10.50	50.25	3.75			132.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/20/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 2477'.	Days From Spud: 6.5	Current Depth: 2411' RKB	24 Hour Footage: 953'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 1458'- 2411'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability:	Chlorides PPM:	O/W Ratio:	Solids %:	Salt (%):	Lime	
	2411	8.5	55	10/13/15	6.0	2	472	40000	74/26	2.9	8.53	6.5	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	1458-2411	10	50/148	3750	509	108	43.8	6		388			
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 1458	671 1458 2411	588 787 953	20.3 42 43.8	Bit:	Cum.	
											29.00 18.5 21.75	29.00 47.5 69.25	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0800	1.00	PU drilling jars.								Rig:		
0800-1200	4.00	Directionally drill (slide & rotate) from 1458'-1614'.								Mud:		
1200-1230	0.50	Rig service.								Chemicals/ Water/ Air:		
1230-2145	9.25	Directionally drill (slide & rotate) from 1614'-2053'.								Bit/ Rmr:		
2145-2230	0.75	Change oil in generator for centrifuge and drying shaker.								Rentals:		
2230-0700	8.50	Directionally drill (slide & rotate) from 2053'-2411'. (see attached survey sheet)								Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	10u			C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	21.75		1.25					1.00	Repair:	Other:	Footage:	Daywork:
Cum.:	69.50	13.00	2.75			5.25	10.50	51.25	3.75			156.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/21/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 3556'.	Days From Spud: 7.5	Current Depth: 3527' RKB	24 Hour Footage: 1116'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 2411'- 3527'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime	
	3527'	8.5	54	8/10/12	6.0	2	656	37000	75/25	6.8	22.58	3.64	
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	2411-3527	10	50/148	4250	509	108	47.5	6		388			
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
		STC	MDSI616	JF8117	3x16	671	3527	2856	41.2	29.00	29.00	3-3-In	
						2411	3527	1116	47.5	23.5	69.25	SIH	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 2411'-2683'.								Rig:		
1230-1300	0.50	Rig service.								Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 2683'-3527'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24</b>									<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	12 u	20 u		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	23.50		0.50						Repair:	Other:	Footage:	Daywork:
Cum.:	93.00	13.00	3.25			5.25	10.50	51.25	3.75			180.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/22/12

Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**

Lease: **4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118**

API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE**

Type: **Directional**

Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580**

Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Directional drilling @ 4399'.</b>	Days From Spud: <b>8.5</b>	Current Depth: <b>4399' RKB</b>	24 Hour Footage: <b>872'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 3527'- 4399'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>4399'</b>	<b>8.6</b>	<b>54</b>	<b>8/10/12</b>	<b>4.0</b>	<b>2</b>	<b>463</b>	<b>36000</b>	<b>77/23</b>	<b>8.6</b>	<b>21.98</b>	<b>3.64</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>3527-4399</b>	<b>10-15</b>	<b>50/148</b>	<b>2800-5800</b>	<b>509</b>	<b>108</b>				<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 3527	671 4399 4399	588 3728 872	20.3 40.2 37.1	Bit:			3-3-In SIH SIH
											29.00	29.00		
										23.5	92.75			
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 3527'- 3778'.										Rig:		
1230-1300	0.50	Rig service.										Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 3778'- 4399'.										Chemicals/ Water/ Air:		
												Bit/ Rmr:		
												Rentals:		
												Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	<b>24</b>											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	<b>10 u</b>	<b>15 u</b>		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	<b>None</b>		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	<b>23.50</b>		<b>0.50</b>						Repair:	Other:	Footage:	Daywork:		
Cum.:	<b>116.50</b>	<b>13.00</b>	<b>3.75</b>			<b>5.25</b>	<b>10.50</b>	<b>51.25</b>	<b>3.75</b>			<b>24.00</b>		
												<b>204.00</b>		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/23/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Directional drilling @ 5039'.</b>	Days From Spud: <b>9.5</b>	Current Depth: <b>5035' RKB</b>	24 Hour Footage: <b>636'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 4399'- 5035'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>5035'</b>	<b>8.4</b>	<b>50</b>	<b>6/8/10</b>	<b>4.0</b>	<b>2</b>	<b>800</b>	<b>36000</b>	<b>74/26</b>	<b>8.0</b>	<b>19.01</b>	<b>3.64</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>4399-5035</b>	<b>10-15</b>	<b>50/148</b>	<b>4000-6000</b>	<b>1100</b>	<b>108</b>				<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 4399	671 5035 5035	588 4364 636	20.3 37.54 27.1	Bit: Cum.			
		29.00 29.00		23.5 116.25		3-3-In SIH SIH								
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 4399'-4657'.										Rig:		
1230-1300	0.50	Rig service.										Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 4657'- 5035'.										Chemicals/ Water/ Air:		
												Bit/ Rmr:		
												Rentals:		
												Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	<b>24</b>											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	<b>9 u</b>	<b>12 u</b>		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	<b>None</b>		
	<b>100%</b>													
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
									Repair:	Other:	Footage:	Daywork:		
Today:	<b>23.50</b>		<b>0.50</b>									<b>24.00</b>		
Cum.:	<b>140.00</b>	<b>13.00</b>	<b>4.25</b>			<b>5.25</b>	<b>10.50</b>	<b>51.25</b>	<b>3.75</b>			<b>228.00</b>		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/24/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 5673'.	Days From Spud: 10.5	Current Depth: 5658' RKB	24 Hour Footage: 623'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 5035'- 5658'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	5658'	8.4	48	6/8/10	4.0	2	1020	40000	85/15	7.3	30.9	4.16		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	5035-5658	10-20	50/148	4000-6000	1100	108	26.5			393				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 5035	671 5658 5658	588 4987 623	20.3 35.69 26.5	Bit:			3-3-In SIH SIH
											29.00	29.00		
										Cum.				

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1300	6.00	Directionally drill (slide & rotate) from 5035'- 5160'.								Rig:		
1300-1330	0.50	Rig service.								Mud:		
1330-0700	17.50	Directionally drill (slide & rotate) from 5160'- 5658'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24</b>									<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	9 u	12 u		C1	C2	C3	C4	C5	Shale:	Sand:	Any	None
									60%	40%		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	23.50		0.50									24.00
Cum.:	163.50	13.00	4.75			5.25	10.50	51.25	3.75			252.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/25/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Directional drilling @ 6213'.</b>	Days From Spud: <b>11.5</b>	Current Depth: <b>6198' RKB</b>	24 Hour Footage: <b>540'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 5658'-6198'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>6128</b>	<b>8.6</b>	<b>50</b>	<b>6/8/10</b>	<b>3.7</b>	<b>2</b>	<b>927</b>	<b>24000</b>	<b>81/19</b>	<b>10.1</b>	<b>20.03</b>	<b>3.9</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>5658-6198</b>	<b>25-Oct</b>	<b>50/148</b>	<b>5000-8000</b>	<b>1100</b>	<b>108</b>	<b>23.0</b>			<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 5658	671 6198 6198	588 5527 540	20.3 33.8 23.0	Bit:			3-3-In SIH SIH
											29.00	29.00		
											163.25			
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 5658'- 5783'.										Rig:		
1230-1245	0.25	Rig service.										Mud:		
1245-0700	18.25	Directionally drill (slide & rotate) from 5783'-6198'.										Chemicals/ Water/ Air:		
												Bit/ Rmr:		
												Rentals:		
												Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	<b>24</b>											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	<b>12 u</b>			C1	C2	C3	C4	C5	Shale: <b>80%</b>	Sand: <b>TR</b>	Siltstone: <b>19%</b>	<b>None</b>		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	<b>23.75</b>		<b>0.25</b>						Repair:	Other:	Footage:	Daywork:		
Cum.:	<b>187.25</b>	<b>13.00</b>	<b>5.00</b>			<b>5.25</b>	<b>10.50</b>	<b>51.25</b>	<b>3.75</b>			<b>276.00</b>		

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

FORM 6

**ENTITY ACTION FORM**

Operator: Tidewater Oil & Gas Company LLC Operator Account Number: N 3000  
 Address: 110 16th Street, Suite 405  
city Denver  
state CO zip 80202 Phone Number: (303) 468-0656

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301950025	Tidewater Federal 12-24D-2118		Res W	12	21S	18E	Grand
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	18785	10/13/2012			10/31/12	
Comments:							<b>CONFIDENTIAL</b>
Wingt BHL: swhe							

**Well 2**

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

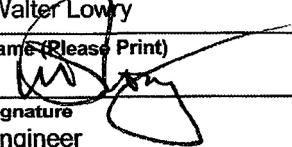
**Well 3**

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

**ACTION CODES:**

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

**RECEIVED**  
**OCT 30 2012**

Walter Lowry  
 Name (Please Print) \_\_\_\_\_  
  
 Signature \_\_\_\_\_  
 Engineer  
 Title \_\_\_\_\_ Date 10/26/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT	
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118	
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>9. API NUMBER:</b> 43019500250000	
<b>3. ADDRESS OF OPERATOR:</b> 110 16th St Ste 1220 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 468-0656 Ext 201	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S		<b>COUNTY:</b> GRAND	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/29/2012	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Attached are the Daily Drilling Reports for the referenced well from Spud (10/13/2012) through Rig Release (10/28/2012).			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 09, 2012</b>			
<b>NAME (PLEASE PRINT)</b> Walter Lowry	<b>PHONE NUMBER</b> 303 884-5505	<b>TITLE</b> Engineer	
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/9/2012	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/12/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Building road and location</b>	Days From Spud: <b>0</b>	Current Depth: <b>60' BGL</b>	24 Hour Footage: <b>60'</b>	Hole Condition: <b>NA</b>	Hole Problems: <b>NA</b>
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**Summary:** MIRU Aztec Rig #580 to drill. Take delivery of 750 bbls of oil based mud. Spot living quarters. Will finish spotting living quarters on 10/12/12. 9-5/8" surface casing staged on site ready to be unloaded. Loading 500 bbl frac tank with water. Take delivery of starting head. Anticipate spud the afternoon of 10/12/12. 16" conductor casing set at 60' below ground level by Pete Martin Rathole Drilling.

**Walt Lowry (Engineer/Company Man): 303-884-5505**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
											Rig:		
											Mud:		
											Chemicals/ Water/ Air:		
											Bit/ Rmr:		
											Rentals:		
											Geologist & Mudlogger:		
											Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	<b>0</b>										<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
Today:									Repair:	Other:	Footage:	Daywork:	
Cum.:												<b>0</b>	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/13/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Building road and location	0	60' BGL	60'	NA	NA

**Summary:** Continue MIRU of Aztec #580. Rained hard most of the day yesterday. Road very muddy and trucks sliding off road and getting stuck with high frequency. Waiting on welder to cut off conductor. Will spud today. Internet now working. Satellite phone working as well. Phone number to Company Many trailer is 970-986-4832.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	OPERATIONS								COST:	Today:	Cum.:
0700-0700	24.00	See above.								Rig:		
										Mud:		
										Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24</b>									<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:												0
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/14/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Spud well.	0.5	217' RKB	134'	Good	Very hard

**Summary:** Finally stopped raining yesterday and roads and location are drying out. Take delivery of spiral HWDP. Fill in existing 40'x40'x10' reserve pit and place 3-sided tank in that spot. Re-dig 20'x20'x10' reserve pit for water-based cuttings and line same. Spot pipe tubs and catwalk.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	200	8.7	39		NC		9.5						
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8										
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
	83-217'	15K	60		296								
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	FDS	117	XYZ2314	3x16	83'						
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0700-1900	12.00	Prepare rig and location for spud. Re-grade road and location. Finish reserve pits.									Rig:		
		Take delivery of HWDP, Jars, rotating head. Cut off conductor casing. RU drying shaker, 3-sided tank, and centrifuge. Deliver FW for spud mud. Hook up Pason and satellite phone communications. Deliver fuel for generators.									Mud:		
											Chemicals/ Water/ Air:		
											Bit/ Rmr:		
1900-2045	1.75	Pick up BHA. Bit, 10- 6.25" DCs, HWDP.									Rentals:		
2045-0700	10.25	Spud well at 2045 hrs on 10-13-12 at 60' BGL (71' RKB). Drill 12-/14" hole from 83'-217' (134'). Drilling very hard and bouncing when weight is placed on bit. Will evaluate ordering a shock sub today.									Geologist & Mudlogger:		
											Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	24										<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
									Repair:	Other:	Footage:	Daywork:	
Today:	10.25							1.75				12.0	
Cum.:	10.25							1.75				12.0	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/15/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: Drilling 12-1/4" hole.	Days From Spud: 1.5	Current Depth: 671' RKB	24 Hour Footage: 454'	Hole Condition: Good	Hole Problems: Tite in spots
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**Summary:** Drill 12-1/4" hole from 217' to 671' (TD of surface hole). Circulate until shaker is clean. Short trip 6 stands. Encountered two tite spots tripping I hole. Ream through same. 7' fill on bottom. Circulate until shaker is clean. Prepare to TOO H to RU casing crew and run 9-5/8" 36.0 ppf J55 STC surface casing.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	671	9.1	45	10/13/16	7.8	2	10.6	500	40	7.0	<1		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
	217-671'	15-20K	60	2250	250	100	20.3						
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
											29.00	29.00	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1030	3.50	Drill 12-1/4" hole f/ 217'-269'										Rig:		
1030-1045	0.25	Run wireline survey @ 269'- 1 degree										Mud:		
1045-0200	15.25	Drill 12-1/4" hole f/ 269'- 671'										Chemicals/ Water/ Air:		
0200-0230	0.50	Circulate and condition mud until shaker is clean.										Bit/ Rmr:		
0230-0330	1.00	Rig down swivel & RU pipe spinner.										Rentals:		
0330-0400	0.50	Rig repair. Work on pipe spinner.										Geologist & Mudlogger:		
0400-0430	0.50	Short trip 360'. Hole in good condition.										Supr:		
0430-0630	2.00	TIH. Hit 2 tite spots and ream through both.										Fuel/ Lube:		
0630-0700	0.50	Circulate & condition mud to run surface casing.										Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
<b>Total</b>	<b>24</b>											<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:			
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	18.75	3.00	0.50			1.00		0.75	Repair:	Other:	Footage:	Daywork:		
Cum.:	29.00	3.00	0.50			1.00		2.50				36.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/16/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Prep to weld on casinghead	Days From Spud: 2.5	Current Depth: 671' RKB	24 Hour Footage: 0	Hole Condition: Deteriorating	Hole Problems: Tite & sloughing shale
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**Summary:** Run & cement 9-5/8" surface casing. WOC.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	671	9.1	45	10/13/16	7.8	2	10.6	500	40	7.0	<1		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	29.00	29.00	SIH

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	OPERATIONS										COST:	Today:	Cum.:
0700-1000	3.00	LD 1 jt. Hang back swivel. LD 4 DCs.										Rig:		
1000-1730	7.50	RU Weatherford casing crew. Run 16 joints of 9-5/8" 36 ppf J55 STC surface casing. Hit several bridges and heavy fill. Wash 10 joints to bottom.										Mud:		
												Chemicals/ Water/ Air:		
1730-1830	1.00	Circulate and condition mud until shaker is clean.										Bit/ Rmr:		
1830-1945	1.25	RU Baker Hughes Pressure Pumping. Hold safety meeting. Pressure test lines to 4000 psi. Pump 10 bbl FW dyed spacer, 10 bbls bentonite spacer, 10 bbls FW spacer, and Batch mix 370 sx (79 bbls) cement + 2% CaCl2 + 0.25 pps cellophane flake. Drop plug and displace with 49.5 bbls FW. Floats held. Good returns throughout job. Returned ~35 bbls good cement to reserve pit. Jeff Brown with the Monticello, UT BLM office witnessed the entire Casing and cementing job and left location giving Tidewater the approval to proceed with wellhead installation after cement sets up.										Rentals:		
												Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
1945-0345	8.00	WOC										Back Off		
0345-0700	3.25	Could not get in touch with welder who was set up for job. Wait on welder.										Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
<b>Total</b>	<b>24</b>											<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:			
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:						1.00	10.50	12.50	Repair:	Other:	Footage:	Daywork:		
Cum.:	29.00	3.00	0.50			2.00	10.50	15.00				60.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/17/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: <b>Testing BOPE</b>	Days From Spud: 3.5	Current Depth: 671' RKB	24 Hour Footage: 0	Hole Condition:	Hole Problems:
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**Summary:** Cut off 9-5/8" casing. Weld on 9-5/8" SOW X 11" 3M casing head. NU & test BOPE. Jeff Brown with Monticello, UT BLM office still on location monitoring and supervising all BOPE testing efforts. Test annular preventor to 1500 psi. Held ok. Test pipe and blind rams to 3000 psi. Held ok. Test TIW valve to 3000 psi. Held ok. Test casing to 1500 psi surface pressure. Held ok. New check valve on choke manifold is not holding. Waiting on new check valve. Manufacturing choke lines.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	671	9.1	45	10/13/16	7.8	2	10.6	500	40	7.0	<1		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
											29.00	29.00	
	1	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3			
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									COST:	Today:	Cum.:
0700-0830	1.50	WO welder.									Rig:		
0830-1145	3.25	Cut off 9-5/8" casing. Weld on Camerson 9-5/8" SOW X 11" 3M casing head. Test weld. OK.									Mud:		
1145-2130	9.75	NU BOPE.									Chemicals/ Water/ Air:		
2130-0200	4.50	Testing BOPE. Test annular preventor to 1500 psi. Held ok. Test pipe rams, blind rams, & TIW valve to 3000 psi. Held ok. Test casing to 1500 psi surface pressure. Held ok.									Bit/ Rmr:		
											Rentals:		
0200-0430	2.50	Finish rigging up choke manifold.									Geologist & Mudlogger:		
0430-0700	2.50	New check valve in choke manifold not holding pressure. Waiting on replacement check valve.									Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	24										Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
									Repair:	Other:	Footage:	Daywork:	
Today:									2.50			24.00	
Cum.:	29.00	3.00	0.50			2.00	10.50	36.50	2.50			84.00	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/18/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Drilling shoe joint</b>	Days From Spud: <b>4.5</b>	Current Depth: <b>671' RKB</b>	24 Hour Footage: <b>0</b>	Hole Condition:	Hole Problems:
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**Summary:** Finish testing BOPE. Rig up Katch Can to catch oil based mud drippings. Fill steel pits with oil based mud. Set wear bushing. PU directional tools. TIH. Tag cement at 610'. Circulate & condition mud. Rig repair- mud pump.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	Calcium PPM:	Solids %:	Salt (%):	Lime	
	<b>671</b>	<b>8.5</b>	<b>37</b>	<b>4/7/8</b>	<b>10.4</b>	<b>2</b>	<b>460</b>	<b>42000</b>	<b>40</b>	<b>8.0</b>	<b>20.8</b>	<b>3.77</b>	
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>10</b>	<b>6</b>								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	SIH
	2- 7.875"	STC	MDSI616		JF8117	3x16	671				29.00	29.00	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0930	2.50	Testing manifold and accumulator.								Rig:		
0930-1045	1.25	Run 2" & 3" steel lines off manifold.								Mud:		
1045-1330	2.75	RU Katch Kan OBM drip pans.								Chemicals/ Water/ Air:		
1330-1630	3.00	MU & test new check valve to 3000 psi to replace original that would not seal. Test TIW valve to 3000 psi.								Bit/ Rmr:		
										Rentals:		
1630-1815	1.75	RU hoses to desander. Fill steel pits with 8.5 ppg oil based mud.								Geologist & Mudlogger:		
1815-1900	0.75	Hang swivel and set wear bushing.								Supr:		
1900-2300	4.00	PU directional tools. Bit, mud motor, 2- monel DCs, 6- 6.25" steel DCs, 39 jts SWDP, jars, 4 SW								Fuel/ Lube:		
2300-2400	1.00	Service rig. PU swivel & XO. Replace TIW valve.								Logs:		
2400-0300	3.00	Hang back swivel. TIH w/ directional tools. Tag cement at 610'. PU swivel.								Wellhead, Tbg & Csg		
0300-0615	3.25	Condition & circulate mud.								Cmt & Cmtg:		
0615-0700	0.75	Rig repair- Mud Pump #1.								Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:		7.00	1.00			3.25		12.00	Repair:	Other:	Footage:	Daywork:
Cum.:	29.00	10.00	1.50			5.25	10.50	48.50	3.25			108.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/19/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 1460'.	Days From Spud: 5.5	Current Depth: 1458' RKB	24 Hour Footage: 787'	Hole Condition: Good	Hole Problems: None
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**Summary:** Repair mud pump #2. Drill out shoe joint and float equipment. Rotate & slide while directionally drilling the 7-7/8" production hole from 671'-1121'. Wiper trip. No fill. Rotate & slide from 1121'-1458'.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832 Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	Calcium PPM:	Solids %:	Salt (%):	Lime		
	1458	8.5	65	10/13/2016	6.0	2	460	42000	40	8.0	20.8	3.77		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	671-1458	10	50/148	2750	509	108	787	6		329				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671	671 1458	588 787	20.3 42	Bit:			3-3-In SIH
											29.00 18.5	29.00 47.5		

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0730	0.50	Rig Repair- Mud Pump #2. Finish displacing hole with 8.5 ppg oil-based mud.								Rig:		
0730-0915	1.75	Drill out shoe joint.								Mud:		
0915-2045	11.50	Directionally drill (slide & rotate) from 671'- 1121'.								Chemicals/ Water/ Air:		
2045-2245	2.00	Short trip to wipe hole.								Bit/ Rmr:		
2245-2345	1.00	TIH. Hook up swivel. No fill.								Rentals:		
2345-0700	7.25	Directionally drill (slide & rotate) from 1121'-1458. (see attached survey sheet)								Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	10u			C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	18.75	3.00						1.75	0.50		Footage:	Daywork:
Cum.:	47.75	13.00	1.50			5.25	10.50	50.25	3.75			24.00 132.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/20/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 2477'.	Days From Spud: 6.5	Current Depth: 2411' RKB	24 Hour Footage: 953'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 1458'- 2411'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime	
	2411	8.5	55	10/13/15	6.0	2	472	40000	74/26	2.9	8.53	6.5	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	1458-2411	10	50/148	3750	509	108	43.8	6		388			
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 1458	671 1458 2411	588 787 953	20.3 42 43.8	Bit:	Cum.	
											29.00 18.5 21.75	29.00 47.5 69.25	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0800	1.00	PU drilling jars.								Rig:		
0800-1200	4.00	Directionally drill (slide & rotate) from 1458'-1614'.								Mud:		
1200-1230	0.50	Rig service.								Chemicals/ Water/ Air:		
1230-2145	9.25	Directionally drill (slide & rotate) from 1614'-2053'.								Bit/ Rmr:		
2145-2230	0.75	Change oil in generator for centrifuge and drying shaker.								Rentals:		
2230-0700	8.50	Directionally drill (slide & rotate) from 2053'-2411'. (see attached survey sheet)								Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	10u			C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	21.75		1.25					1.00	Repair:	Other:	Footage:	Daywork:
Cum.:	69.50	13.00	2.75			5.25	10.50	51.25	3.75			156.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/21/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 3556'.	Days From Spud: 7.5	Current Depth: 3527' RKB	24 Hour Footage: 1116'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 2411'- 3527'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability:	Chlorides PPM:	O/W Ratio:	Solids %:	Salt (%):	Lime	
	3527'	8.5	54	8/10/12	6.0	2	656	37000	75/25	6.8	22.58	3.64	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	2411-3527	10	50/148	4250	509	108	47.5	6		388			
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
		STC	MDSI616	JF8117	3x16	671	3527	2856	41.2	29.00	29.00	3-3-In	
						2411	3527	1116	47.5	23.5	69.25	SIH	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 2411'-2683'.								Rig:		
1230-1300	0.50	Rig service.								Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 2683'-3527'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	12 u	20 u		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	23.50		0.50						Repair:	Other:	Footage:	Daywork:
Cum.:	93.00	13.00	3.25			5.25	10.50	51.25	3.75			180.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/22/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Directional drilling @ 4399'.</b>	Days From Spud: <b>8.5</b>	Current Depth: <b>4399' RKB</b>	24 Hour Footage: <b>872'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 3527'- 4399'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>4399'</b>	<b>8.6</b>	<b>54</b>	<b>8/10/12</b>	<b>4.0</b>	<b>2</b>	<b>463</b>	<b>36000</b>	<b>77/23</b>	<b>8.6</b>	<b>21.98</b>	<b>3.64</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>3527-4399</b>	<b>10-15</b>	<b>50/148</b>	<b>2800-5800</b>	<b>509</b>	<b>108</b>				<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 3527	671 4399 4399	588 3728 872	20.3 40.2 37.1	Bit:			3-3-In SIH SIH
											29.00	29.00		
											23.5	92.75		

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 3527'- 3778'.								Rig:		
1230-1300	0.50	Rig service.								Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 3778'- 4399'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	<b>24</b>									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	<b>10 u</b>	<b>15 u</b>		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	<b>None</b>
	<b>100%</b>											
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	<b>23.50</b>		<b>0.50</b>									<b>24.00</b>
Cum.:	<b>116.50</b>	<b>13.00</b>	<b>3.75</b>			<b>5.25</b>	<b>10.50</b>	<b>51.25</b>	<b>3.75</b>			<b>204.00</b>

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/23/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 5039'.	Days From Spud: 9.5	Current Depth: 5035' RKB	24 Hour Footage: 636'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 4399'- 5035'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability:	Chlorides PPM:	O/W Ratio:	Solids %:	Salt (%):	Lime	
	5035'	8.4	50	6/8/10	4.0	2	800	36000	74/26	8.0	19.01	3.64	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	4399-5035'	10-15	50/148	4000-6000	1100	108				393			
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
		STC	MDSI616		JF8117	3x16	671 4399	5035 5035	4364 636	37.54 27.1	29.00 23.5	29.00 116.25	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 4399'-4657'.								Rig:		
1230-1300	0.50	Rig service.								Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 4657'- 5035'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	9 u	12 u		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	23.50		0.50						Repair:	Other:	Footage:	Daywork:
Cum.:	140.00	13.00	4.25			5.25	10.50	51.25	3.75			228.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/24/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 5673'.	Days From Spud: 10.5	Current Depth: 5658' RKB	24 Hour Footage: 623'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 5035'- 5658'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	5658'	8.4	48	6/8/10	4.0	2	1020	40000	85/15	7.3	30.9	4.16		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	5035-5658	10-20	50/148	4000-6000	1100	108	26.5			393				
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 5035	671 5658 5658	588 4987 623	20.3 35.69 26.5	Bit:			3-3-In SIH SIH
											29.00	29.00		

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1300	6.00	Directionally drill (slide & rotate) from 5035'- 5160'.								Rig:		
1300-1330	0.50	Rig service.								Mud:		
1330-0700	17.50	Directionally drill (slide & rotate) from 5160'- 5658'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
		<b>NOTE: The oil-based mud (OBM) became very gas cut at ~5560'. Strong indications of free crude oil entering the system causing the color of the OBM to change from dark brown to black and also causing the Oil/Water Ratio of the OBM to change from 74/26 to 85/15.</b>								Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	9 u	12 u		C1	C2	C3	C4	C5	Shale:	Sand:	Any	None
									60%	40%		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	23.50		0.50									24.00
Cum.:	163.50	13.00	4.75			5.25	10.50	51.25	3.75			252.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/25/12

Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**

Lease: **4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118**

API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE**

Type: **Directional**

Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580**

Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Directional drilling @ 6213'.</b>	Days From Spud: <b>11.5</b>	Current Depth: <b>6198' RKB</b>	24 Hour Footage: <b>540'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 5658'-6198'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>6128</b>	<b>8.6</b>	<b>50</b>	<b>6/8/10</b>	<b>3.7</b>	<b>2</b>	<b>927</b>	<b>24000</b>	<b>81/19</b>	<b>10.1</b>	<b>20.03</b>	<b>3.9</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>5658-6198</b>	<b>25-Oct</b>	<b>50/148</b>	<b>5000-8000</b>	<b>1100</b>	<b>108</b>	<b>23.0</b>			<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 5658	671 6198 6198	588 5527 540	20.3 33.8 23.0	Bit:			3-3-In SIH SIH
											29.00	29.00		
											23.5	163.25		
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 5658'- 5783'.										Rig:		
1230-1245	0.25	Rig service.										Mud:		
1245-0700	18.25	Directionally drill (slide & rotate) from 5783'-6198'.										Chemicals/ Water/ Air:		
												Bit/ Rmr:		
												Rentals:		
												Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	<b>24</b>											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	<b>12 u</b>			C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	<b>None</b>		
	<b>80%</b>	<b>TR</b>	<b>19%</b>											
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
									Repair:	Other:	Footage:	Daywork:		
Today:	<b>23.75</b>		<b>0.25</b>									<b>24.00</b>		
Cum.:	<b>187.25</b>	<b>13.00</b>	<b>5.00</b>			<b>5.25</b>	<b>10.50</b>	<b>51.25</b>	<b>3.75</b>			<b>276.00</b>		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/26/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Running electric logs</b>	Days From Spud: <b>12.5</b>	Current Depth: <b>6295' RKB</b>	24 Hour Footage: <b>167'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 6198'- 6295'. Circulate & condition mud. TOO H & LD directional tools. RU Baker Hughes logging truck. Run DIL/ CNL/ FDC/ Sonic/ CAL/ GR from 6295' to casing shoe at 671'. Run GR to surface.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>6295</b>	<b>8.6</b>	<b>50</b>	<b>6/8/10</b>	<b>3.7</b>	<b>2</b>	<b>927</b>	<b>24000</b>	<b>81/19</b>	<b>10.1</b>	<b>20.03</b>	<b>3.9</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>6198- 6295'</b>	<b>10-25</b>	<b>50/148</b>	<b>5000-8000</b>	<b>1100</b>	<b>108</b>	<b>23.0</b>			<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671' 6198	671 6295 6295	588 5624 167	20.3 33.2 27.8	Bit:			3-3-In SIH SIH
											29.00	29.00		
Surveys:		Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-0930	2.50	Directionally drill (slide & rotate) from 6198'- 6248'.										Rig:		
0930-1000	0.50	Circulate & condition mud.										Mud:		
1000-1330	3.50	Directionally drill (slide & rotate) from 6248'- 6295'. TD is 6295' TD.										Chemicals/ Water/ Air:		
1330-1630	3.00	Circulate & condition mud. Build volume.										Bit/ Rmr:		
1630-0115	8.75	TOOH. LD directional tools.										Rentals:		
0115-0700	5.75	RU Baker Hughes to run electric logs. Run CNL/ CDL/ DAL/ HDL/ GR/ CAL.										Geologist & Mudlogger:		
		Loggers TD @ 6300.5'. No fill. Loggers found surface casing shoe at 667'.										Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	24.0											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	None		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	6.00	8.75				3.50	5.75		Repair:	Other:	Footage:	Daywork:		
Cum.:	193.25	21.75	5.00			8.75	16.25	51.25	3.75			300.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/27/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Running 5-1/2" production casing	13.5	6295' RKB	0	Good	None

**Summary:** Finish running e-logs. Logger's TD is 6300' MD. TIH w/drill string minus the directional tools. Circulate & condition mud. Pump pill and POOH LDDP. Weatherford casing crew on location to assist in LDDP, drift casing and clean threads. Halliburton cementing equipment arriving on location.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	6295	8.6	51	6/8/10	6.0	2	786	30000	78/22	8.9	20.03	8.06		
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	6295													
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDS1616	117	XYZ2314 JF8117	3x16 3x16	83' 671 6198	671 6295 6295	588 5624 167	20.3 33.2 27.8	Bit:			3-3-In Good Good
											29.00	29.00		

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0800	1.00	Finish running electric logs. Logger's TD 6300'. RD Baker Hughes. Gauge hole all the way.								Rig:		
0800-1600	8.00	MU bit & TIH w/ drill collars, SWDP & DP. No fill.								Mud:		
1600-1630	0.50	PU DP and swivel.								Chemicals/ Water/ Air:		
1630-2030	4.00	Circulate & condition mud.								Bit/ Rmr:		
2030-2115	0.75	Pump pill. Hang back swivel. Prepare to LDDP.								Rentals:		
2115-2215	1.00	Rig Repair. Replace spinning chain.								Geologist & Mudlogger:		
2215-0700	8.75	LD drill pipe, SWDP & DC's.								Supr:		
		2 trucks of 5-1/2" 17.0 ppf N80 LTC casing have arrived. Weatherford is drifting casing and cleaning threads. Last truck of casing has not arrived. Was scheduled for delivery at 2230 last night.								Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24.0</b>									<b>Total:</b>		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:		16.75				4.00	1.00	1.25	Repair:	Other:	Footage:	Daywork:
Cum.:		193.25	38.50	5.00		12.75	17.25	52.50	4.75			324.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/28/12

Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal: UTU2078

Lease: 4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118

API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE

Type: Directional

Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580

Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Cementing 5-1/2" production csg	Days From Spud: 14.5	Current Depth: 6295' RKB	24 Hour Footage: 0	Hole Condition: Good	Hole Problems: None
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**Summary:** Finish LDDP. Service rig. Run 5-1/2" casing to 6289' RKB. RU Halliburton and cement 1st stage of 2 stage cement job. Open DV Tool and circulate while WOC from 1st stage prior to cementing second stage.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%):	Lime		
	6295	8.6	51	6/8/10	6.0	2	786	30000	78/22	8.9	20.03	8.06		
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:		Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	6295													
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.		
		STC	MDS1616		JF8117	3x16	671 6198	6295 6295	5624 167	33.2 27.8	29.00	169.25		3-3-In Good Good
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-0900	2.00	Finish LDDP. Pull wear bushing.										Rig:		
0900-1000	1.00	Service rig. Change filters on light plant.										Mud:		
1000-1100	1.00	Unload 5-1/2" 17.0 ppf N80 LTC production casing. Weatherford is drifting, cleaning threads, and strapping casing.										Chemicals/ Water/ Air:		
1100-1900	8.00	RU Weatherford casing crew. Run 149 joints (6285.36') of 5-1/2" 17.0 ppf N80 LTC production casing as follows: Float shoe, shoe joint (42.18'), float collar, 57 joints casing, DV Tool, 91 joints casing. Place centralizers at middle of shoe joint, middle of second joint, second casing collar, every other joint for next 7 joints and first collar above DV Tool, and every other collar thereafter for an additional 9 centralizers. Total of 20 centralizers run.										Bit/ Rmr:		
1900-0130	6.50	Circulate and wait of chemical for cement spacer from Halliburton in Casper.										Rentals:		
0130-0200	0.50	Finish rigging up Halliburton to cement production casing.										Geologist & Mudlogger:		
0200-0230	0.50	Hold safety meeting. Pressure test Howco lines to 5500 psi.										Supr:		
0230-0500	2.50	FIRST STAGE CEMENT: Pump 40 bbls of Tuned spacer. Pump 111 bbls (205 sx) Expandacem cement mixed at 13.1 ppg with 1.42 cf/sx yield and 7.03 gal/sx mix water. Drop plug. Displace with 51.7 bbls FW, 10 bbls Tuned spacer, and 83.0 bbls oil-based mud. Drop plug. Bump plug. Floats held. Drop bomb to open DV Tool. Open DV Tool. Circulate out 38 bbls of cement with oil-based mud.										Fuel/ Lube:		
0500-0700	2.00	Circulate oil-based mud through DV Tool and WOC from 1st stage.										Logs:		
Total	24.0											Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
												Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	None		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:		2.00	1.00			8.50	11.50	1.00	Repair:	Other:	Footage:	Daywork:		
Cum.:		193.25	40.50	6.00		21.25	28.75	53.50	4.75			348.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/29/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Release rig.</b>	Days From Spud: <b>16.0</b>	Current Depth: <b>6295' RKB</b>	24 Hour Footage: <b>0</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Circulate from DV tool up while WOC from 1st cement stage. Mix & pump 2nd stage cement from DV Tool (3930' MD) to surface. Good returns throughout and return 40 bbl cement to surface. Set slips and cut-off 5-1/2" casing. Install production cap on 9-5/8" x 11" 3M wellhead. ND BOPE. Clean rig and pits from oil based mud. **Release rig at 1900 hours 10-28-12.**

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime
	<b>6295</b>	<b>8.6</b>	<b>51</b>	<b>6/8/10</b>	<b>6.0</b>	<b>2</b>	<b>786</b>	<b>30000</b>	<b>78/22</b>	<b>8.9</b>	<b>20.03</b>	<b>8.06</b>

Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>							

Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:
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Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	OPERATIONS								COST:	Today:	Cum.:
<b>0700-0830</b>	<b>1.50</b>	<b>Circulate and wait on 1st stage cement to set.</b>								Rig:		
<b>0830-1230</b>	<b>4.00</b>	<b>RU Halliburton. Hold pre-job safety meeting. Pressure test lines to 5500 psi. OK.</b>								Mud:		
		<b>2nd STAGE CEMENT: Pump 50 bbls spacer. Pump 169 bbls (635 sx) Expandacem</b>								Chemicals/ Water/ Air:		
		<b>cement mixed at 13.1 ppg with 1.42 cf/sx yield and 7.03 gal/sx mix water. Drop plug.</b>								Bit/ Rmr:		
		<b>Drop plug. Displace with 91 bbls 4% KCL water. Bump plug with 2488 psi. Floats held.</b>								Rentals:		
		<b>Good returns throughout second stage cement. Return 40+ bbls cement to surface.</b>								Geologist & Mudlogger:		
<b>1230-1300</b>	<b>0.50</b>	<b>RD Halliburton.</b>								Supr:		
<b>1300-1730</b>	<b>4.50</b>	<b>ND BOPE. Set casing slips with 90,000# tension. NU night cap. Leave tubing head on</b>								Fuel/ Lube:		
		<b>location to hook up after rig moves out.</b>								Logs:		
<b>1730-1900</b>	<b>1.50</b>	<b>ND annular preventer. Set out BOPE. LD swivel. Clean pits.</b>								Wellhead, Tbg & Csg		
		<b>Release rig 1900 hrs 10/28/12.</b>								Cmt & Cmtg:		
		<b>All estimated costs for Reports 16, 17 &amp; 18 to be coded to "Completion Operations".</b>								Back Off		
		<b>Total field estimated Dryhole Costs =</b>								Mob/Dmob		
		<b>Total field est Completion Costs =</b>								Directional		
		<b>Total field estimated Drlg/ Comp Cost =</b>								Trucking:		
										10% Contingency		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>12.0</b>									<b>Total:</b>		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	<b>None</b>
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
<b>Today:</b>							<b>6.00</b>	<b>6.00</b>				<b>12.00</b>
<b>Cum.:</b>	<b>193.25</b>	<b>40.50</b>	<b>6.00</b>			<b>21.25</b>	<b>34.75</b>	<b>59.50</b>	<b>4.75</b>			<b>360.00</b>

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-20784
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: CRESCENT
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: TIDEWATER FED 12-24D-2118
2. NAME OF OPERATOR: TIDEWATER OIL & GAS COMPANY, LLC	9. API NUMBER: 43019500250000
3. ADDRESS OF OPERATOR: 110 16th St Ste 1220 , Denver, CO, 80202	PHONE NUMBER: 303 468-0656 Ext 201
9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1290 FSL 1490 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S	COUNTY: GRAND  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/6/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

Tidewater intends to retain the services of a licensed dirt contractor to close the reserve pits on this well and dispose of the oil based mud cuttings at a licensed disposal site. Tidewater will remove all fluids and oil-based drill cuttings and plastic pit lining material and dispose of at the ECDC (East Carbon Disposal Company) licensed disposal site.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 November 27, 2012**

NAME (PLEASE PRINT) Walter Lowry	PHONE NUMBER 303 884-5505	TITLE Engineer
SIGNATURE N/A	DATE 11/9/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT	
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118	
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>9. API NUMBER:</b> 43019500250000	
<b>3. ADDRESS OF OPERATOR:</b> 110 16th St Ste 1220 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 468-0656 Ext 201	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S		<b>COUNTY:</b> GRAND	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/29/2012	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Attached are the daily drilling reports for the referenced well. I believe these were submitted months ago, however, Tidewater received a notice that they were not.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 22, 2013</b>			
<b>NAME (PLEASE PRINT)</b> Walter Lowry	<b>PHONE NUMBER</b> 303 884-5505	<b>TITLE</b> Engineer	
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/21/2013	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/12/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Building road and location</b>	Days From Spud: <b>0</b>	Current Depth: <b>60' BGL</b>	24 Hour Footage: <b>60'</b>	Hole Condition: <b>NA</b>	Hole Problems: <b>NA</b>
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**Summary:** MIRU Aztec Rig #580 to drill. Take delivery of 750 bbls of oil based mud. Spot living quarters. Will finish spotting living quarters on 10/12/12. 9-5/8" surface casing staged on site ready to be unloaded. Loading 500 bbl frac tank with water. Take delivery of starting head. Anticipate spud the afternoon of 10/12/12. 16" conductor casing set at 60' below ground level by Pete Martin Rathole Drilling.

**Walt Lowry (Engineer/Company Man): 303-884-5505**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
											Rig:		
											Mud:		
											Chemicals/ Water/ Air:		
											Bit/ Rmr:		
											Rentals:		
											Geologist & Mudlogger:		
											Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
<b>Total</b>	<b>0</b>										<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
Today:									Repair:	Other:	Footage:	Daywork:	
Cum.:												<b>0</b>	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/13/12

Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**

Lease: **4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118**

API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE**

Type: **Directional**

Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580**

Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Building road and location	0	60' BGL	60'	NA	NA

**Summary:** Continue MIRU of Aztec #580. Rained hard most of the day yesterday. Road very muddy and trucks sliding off road and getting stuck with high frequency. Waiting on welder to cut off conductor. Will spud today. Internet now working. Satellite phone working as well. Phone number to Company Many trailer is 970-986-4832.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0700	24.00	See above.								Rig:		
										Mud:		
										Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24</b>									<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:									Repair:	Other:	Footage:	Daywork:
Cum.:												0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/14/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Spud well.	0.5	217' RKB	134'	Good	Very hard

**Summary:** Finally stopped raining yesterday and roads and location are drying out. Take delivery of spiral HWDP. Fill in existing 40'x40'x10' reserve pit and place 3-sided tank in that spot. Re-dig 20'x20'x10' reserve pit for water-based cuttings and line same. Spot pipe tubs and catwalk.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	200	8.7	39		NC		9.5						
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8										
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
	83-217'	15K	60		296								
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	FDS	117	XYZ2314	3x16	83'						
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0700-1900	12.00	Prepare rig and location for spud. Re-grade road and location. Finish reserve pits.									Rig:		
		Take delivery of HWDP, Jars, rotating head. Cut off conductor casing. RU drying shaker, 3-sided tank, and centrifuge. Deliver FW for spud mud. Hook up Pason and satellite phone communications. Deliver fuel for generators.									Mud:		
											Chemicals/ Water/ Air:		
											Bit/ Rmr:		
1900-2045	1.75	Pick up BHA. Bit, 10- 6.25" DCs, HWDP.									Rentals:		
2045-0700	10.25	Spud well at 2045 hrs on 10-13-12 at 60' BGL (71' RKB). Drill 12-/14" hole from 83'-217' (134'). Drilling very hard and bouncing when weight is placed on bit. Will evaluate ordering a shock sub today.									Geologist & Mudlogger:		
											Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	24										<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
									Repair:	Other:	Footage:	Daywork:	
Today:	10.25							1.75				12.0	
Cum.:	10.25							1.75				12.0	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/15/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Drilling 12-1/4" hole.	Days From Spud: 1.5	Current Depth: 671' RKB	24 Hour Footage: 454'	Hole Condition: Good	Hole Problems: Tite in spots
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**Summary:** Drill 12-1/4" hole from 217' to 671' (TD of surface hole). Circulate until shaker is clean. Short trip 6 stands. Encountered two tite spots tripping I hole. Ream through same. 7' fill on bottom. Circulate until shaker is clean. Prepare to TOOH to RU casing crew and run 9-5/8" 36.0 ppf J55 STC surface casing.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	671	9.1	45	10/13/16	7.8	2	10.6	500	40	7.0	<1		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
	217-671'	15-20K	60	2250	250	100	20.3						
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
											29.00	29.00	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1030	3.50	Drill 12-1/4" hole f/ 217'-269'										Rig:		
1030-1045	0.25	Run wireline survey @ 269'- 1 degree										Mud:		
1045-0200	15.25	Drill 12-1/4" hole f/ 269'- 671'										Chemicals/ Water/ Air:		
0200-0230	0.50	Circulate and condition mud until shaker is clean.										Bit/ Rmr:		
0230-0330	1.00	Rig down swivel & RU pipe spinner.										Rentals:		
0330-0400	0.50	Rig repair. Work on pipe spinner.										Geologist & Mudlogger:		
0400-0430	0.50	Short trip 360'. Hole in good condition.										Supr:		
0430-0630	2.00	TIH. Hit 2 tite spots and ream through both.										Fuel/ Lube:		
0630-0700	0.50	Circulate & condition mud to run surface casing.										Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	24											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:			
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	18.75	3.00	0.50			1.00		0.75	Repair:	Other:	Footage:	Daywork:		
Cum.:	29.00	3.00	0.50			1.00		2.50				36.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/16/12

Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**

Lease: **4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118**

API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE**

Type: **Directional**

Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580**

Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Prep to weld on casinghead</b>	Days From Spud: <b>2.5</b>	Current Depth: <b>671' RKB</b>	24 Hour Footage: <b>0</b>	Hole Condition: <b>Deteriorating</b>	Hole Problems: <b>Tite &amp; sloughing shale</b>
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**Summary:** Run & cement 9-5/8" surface casing. WOC.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	<b>671</b>	<b>9.1</b>	<b>45</b>	<b>10/13/16</b>	<b>7.8</b>	<b>2</b>	<b>10.6</b>	<b>500</b>	<b>40</b>	<b>7.0</b>	<b>&lt;1</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>10</b>	<b>6</b>								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	<b>1</b>	<b>STC</b>	<b>FDS</b>	<b>117</b>	<b>XYZ2314</b>	<b>3x16</b>	<b>83'</b>	<b>671</b>	<b>588</b>	<b>20.3</b>	<b>29.00</b>	<b>29.00</b>	<b>SIH</b>
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
<b>0700-1000</b>	<b>3.00</b>	<b>LD 1 jt. Hang back swivel. LD 4 DCs.</b>									Rig:		
<b>1000-1730</b>	<b>7.50</b>	<b>RU Weatherford casing crew. Run 16 joints of 9-5/8" 36 ppf J55 STC surface casing.</b>									Mud:		
		<b>Hit several bridges and heavy fill. Wash 10 joints to bottom.</b>									Chemicals/ Water/ Air:		
<b>1730-1830</b>	<b>1.00</b>	<b>Circulate and condition mud until shaker is clean.</b>									Bit/ Rmr:		
<b>1830-1945</b>	<b>1.25</b>	<b>RU Baker Hughes Pressure Pumping. Hold safety meeting. Pressure test lines to 4000 psi.</b>									Rentals:		
		<b>Pump 10 bbl FW dyed spacer, 10 bbls bentonite spacer, 10 bbls FW spacer, and</b>									Geologist & Mudlogger:		
		<b>Batch mix 370 sx (79 bbls) cement + 2% CaCl2 + 0.25 pps cellophane flake. Drop plug and</b>									Supr:		
		<b>displace with 49.5 bbls FW. Floats held. Good returns throughout job. Returned ~35 bbls good</b>									Fuel/ Lube:		
		<b>cement to reserve pit. Jeff Brown with the Monticello, UT BLM office witnessed the entire</b>									Logs:		
		<b>Casing and cementing job and left location giving Tidewater the approval to proceed</b>									Wellhead, Tbg & Csg		
		<b>with wellhead installation after cement sets up.</b>									Cmt & Cmtg:		
<b>1945-0345</b>	<b>8.00</b>	<b>WOC</b>									Back Off		
<b>0345-0700</b>	<b>3.25</b>	<b>Could not get in touch with welder who was set up for job. Wait on welder.</b>									Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
<b>Total</b>	<b>24</b>										<b>Total:</b>		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
									Repair:	Other:	Footage:	Daywork:	
<b>Today:</b>						<b>1.00</b>	<b>10.50</b>	<b>12.50</b>				<b>24.00</b>	
<b>Cum.:</b>	<b>29.00</b>	<b>3.00</b>	<b>0.50</b>			<b>2.00</b>	<b>10.50</b>	<b>15.00</b>				<b>60.00</b>	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/17/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: <b>Testing BOPE</b>	Days From Spud: 3.5	Current Depth: 671' RKB	24 Hour Footage: 0	Hole Condition:	Hole Problems:
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**Summary:** Cut off 9-5/8" casing. Weld on 9-5/8" SOW X 11" 3M casing head. NU & test BOPE. Jeff Brown with Monticello, UT BLM office still on location monitoring and supervising all BOPE testing efforts. Test annular preventor to 1500 psi. Held ok. Test pipe and blind rams to 3000 psi. Held ok. Test TIW valve to 3000 psi. Held ok. Test casing to 1500 psi surface pressure. Held ok. New check valve on choke manifold is not holding. Waiting on new check valve. Manufacturing choke lines.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	671	9.1	45	10/13/16	7.8	2	10.6	500	40	7.0	<1		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	10	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
											29.00	29.00	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
To Time:	Hours:	<b>OPERATIONS</b>									COST:	Today:	Cum.:
0700-0830	1.50	WO welder.									Rig:		
0830-1145	3.25	Cut off 9-5/8" casing. Weld on Camerson 9-5/8" SOW X 11" 3M casing head. Test weld. OK.									Mud:		
1145-2130	9.75	NU BOPE.									Chemicals/ Water/ Air:		
2130-0200	4.50	Testing BOPE. Test annular preventor to 1500 psi. Held ok. Test pipe rams, blind rams, & TIW valve to 3000 psi. Held ok. Test casing to 1500 psi surface pressure. Held ok.									Bit/ Rmr:		
											Rentals:		
0200-0430	2.50	Finish rigging up choke manifold.									Geologist & Mudlogger:		
0430-0700	2.50	New check valve in choke manifold not holding pressure. Waiting on replacement check valve.									Supr:		
											Fuel/ Lube:		
											Logs:		
											Wellhead, Tbg & Csg		
											Cmt & Cmtg:		
											Back Off		
											Mob/Dmob		
											Directional		
											Trucking:		
											Fishing		
											Road/Location		
											Miscellaneous		
Total	24										Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:		
									Repair:	Other:	Footage:	Daywork:	
Today:									2.50			24.00	
Cum.:	29.00	3.00	0.50			2.00	10.50	36.50	2.50			84.00	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/18/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Drilling shoe joint	Days From Spud: 4.5	Current Depth: 671' RKB	24 Hour Footage: 0	Hole Condition:	Hole Problems:
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**Summary:** Finish testing BOPE. Rig up Katch Can to catch oil based mud drippings. Fill steel pits with oil based mud. Set wear bushing. PU directional tools. TIH. Tag cement at 610'. Circulate & condition mud. Rig repair- mud pump.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	Calcium PPM:	Solids %:	Salt (%):	Lime
	671	8.5	37	4/7/8	10.4	2	460	42000	40	8.0	20.8	3.77
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	GD	PZ-8	10	6							
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:	
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:	
	1- 12.25"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.
	2- 7.875"	STC	MDSI616		JF8117	3x16	671				29.00	29.00
												SIH

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0930	2.50	Testing manifold and accumulator.								Rig:		
0930-1045	1.25	Run 2" & 3" steel lines off manifold.								Mud:		
1045-1330	2.75	RU Katch Kan OBM drip pans.								Chemicals/ Water/ Air:		
1330-1630	3.00	MU & test new check valve to 3000 psi to replace original that would not seal. Test TIW valve to 3000 psi.								Bit/ Rmr:		
										Rentals:		
1630-1815	1.75	RU hoses to desander. Fill steel pits with 8.5 ppg oil based mud.								Geologist & Mudlogger:		
1815-1900	0.75	Hang swivel and set wear bushing.								Supr:		
1900-2300	4.00	PU directional tools. Bit, mud motor, 2- monel DCs, 6- 6.25" steel DCs, 39 jts SWDP, jars, 4 SW								Fuel/ Lube:		
2300-2400	1.00	Service rig. PU swivel & XO. Replace TIW valve.								Logs:		
2400-0300	3.00	Hang back swivel. TIH w/ directional tools. Tag cement at 610'. PU swivel.								Wellhead, Tbg & Csg		
0300-0615	3.25	Condition & circulate mud.								Cmt & Cmtg:		
0615-0700	0.75	Rig repair- Mud Pump #1.								Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24</b>									<b>Total:</b>		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:		7.00	1.00			3.25		12.00	Repair:	Other:	Footage:	Daywork:
Cum.:		29.00	1.50			5.25	10.50	48.50	3.25			108.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/19/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 1460'.	Days From Spud: 5.5	Current Depth: 1458' RKB	24 Hour Footage: 787'	Hole Condition: Good	Hole Problems: None
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**Summary:** Repair mud pump #2. Drill out shoe joint and float equipment. Rotate & slide while directionally drilling the 7-7/8" production hole from 671'-1121'. Wiper trip. No fill. Rotate & slide from 1121'-1458'.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832 Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	Calcium PPM:	Solids %:	Salt (%):	Lime		
	1458	8.5	65	10/13/2016	6.0	2	460	42000	40	8.0	20.8	3.77		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	671-1458	10	50/148	2750	509	108	787	6		329				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit: Cum.			
		STC	MDSI616		JF8117	3x16	671	1458	787	42	29.00	29.00		3-3-In
										18.5	47.5	SIH		
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy
To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-0730	0.50	Rig Repair- Mud Pump #2. Finish displacing hole with 8.5 ppg oil-based mud.										Rig:		
0730-0915	1.75	Drill out shoe joint.										Mud:		
0915-2045	11.50	Directionally drill (slide & rotate) from 671'- 1121'.										Chemicals/ Water/ Air:		
2045-2245	2.00	Short trip to wipe hole.										Bit/ Rmr:		
2245-2345	1.00	TIH. Hook up swivel. No fill.										Rentals:		
2345-0700	7.25	Directionally drill (slide & rotate) from 1121'-1458. (see attached survey sheet)										Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	24											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	10u			C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	18.75	3.00							Repair:	Other:	Footage:	Daywork:		
Cum.:	47.75	13.00	1.50			5.25	10.50	50.25	3.75			24.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/20/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118

API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 2477'.	Days From Spud: 6.5	Current Depth: 2411' RKB	24 Hour Footage: 953'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 1458'- 2411'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability:	Chlorides PPM:	O/W Ratio:	Solids %:	Salt (%):	Lime		
	2411	8.5	55	10/13/15	6.0	2	472	40000	74/26	2.9	8.53	6.5		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	1458-2411	10	50/148	3750	509	108	43.8	6		388				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 1458	671 1458 2411	588 787 953	20.3 42 43.8	Bit:	Cum.		
											29.00 18.5 21.75	29.00 47.5 69.25		3-3-In SIH SIH
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-0800	1.00	PU drilling jars.										Rig:		
0800-1200	4.00	Directionally drill (slide & rotate) from 1458'-1614'.										Mud:		
1200-1230	0.50	Rig service.										Chemicals/ Water/ Air:		
1230-2145	9.25	Directionally drill (slide & rotate) from 1614'-2053'.										Bit/ Rmr:		
2145-2230	0.75	Change oil in generator for centrifuge and drying shaker.										Rentals:		
2230-0700	8.50	Directionally drill (slide & rotate) from 2053'-2411'. (see attached survey sheet)										Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	24											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	10u			C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None		
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	21.75		1.25					1.00	Repair:	Other:	Footage:	Daywork:		
Cum.:	69.50	13.00	2.75			5.25	10.50	51.25	3.75			156.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/21/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 3556'.	Days From Spud: 7.5	Current Depth: 3527' RKB	24 Hour Footage: 1116'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 2411'- 3527'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime	
	3527'	8.5	54	8/10/12	6.0	2	656	37000	75/25	6.8	22.58	3.64	
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	2411-3527	10	50/148	4250	509	108	47.5	6		388			
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
		STC	MDSI616		JF8117	3x16	671 2411	3527 3527	2856 1116	41.2 47.5	29.00 29.00	69.25	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 2411'-2683'.								Rig:		
1230-1300	0.50	Rig service.								Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 2683'-3527'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	12 u	20 u		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	23.50		0.50						Repair:	Other:	Footage:	Daywork:
Cum.:	93.00	13.00	3.25			5.25	10.50	51.25	3.75			180.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/22/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 4399'.	Days From Spud: 8.5	Current Depth: 4399' RKB	24 Hour Footage: 872'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 3527'- 4399'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime	
	4399'	8.6	54	8/10/12	4.0	2	463	36000	77/23	8.6	21.98	3.64	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	3527-4399	10-15	50/148	2800-5800	509	108				393			
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
		STC	MDSI616		JF8117	3x16	671 3527	4399 4399	3728 872	40.2 37.1	29.00 23.5	29.00 92.75	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 3527'- 3778'.								Rig:		
1230-1300	0.50	Rig service.								Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 3778'- 4399'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	10 u	15 u		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	23.50		0.50						Repair:	Other:	Footage:	Daywork:
Cum.:	116.50	13.00	3.75			5.25	10.50	51.25	3.75			204.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/23/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118

API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE

Type: Directional

Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580

Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 5039'.	Days From Spud: 9.5	Current Depth: 5035' RKB	24 Hour Footage: 636'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 4399'- 5035'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	5035'	8.4	50	6/8/10	4.0	2	800	36000	74/26	8.0	19.01	3.64		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	4399-5035	10-15	50/148	4000-6000	1100	108				393				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 4399	671 5035 5035	588 4364 636	20.3 37.54 27.1	Bit: Cum.			
												29.00 23.5		29.00 116.25
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy
To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 4399'-4657'.										Rig:		
1230-1300	0.50	Rig service.										Mud:		
1300-0700	18.00	Directionally drill (slide & rotate) from 4657'- 5035'.										Chemicals/ Water/ Air:		
												Bit/ Rmr:		
												Rentals:		
												Geologist & Mudlogger:		
												Supr:		
												Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	24											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	9 u	12 u		C1	C2	C3	C4	C5	Shale:	Sand:	Chalk:	None		
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
Today:	23.50		0.50						Repair:	Other:	Footage:	Daywork:		
Cum.:	140.00	13.00	4.25			5.25	10.50	51.25	3.75			228.00		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/24/12

Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**

Lease: **4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118**

API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE**

Type: **Directional**

Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580**

Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Directional drilling @ 5673'.</b>	Days From Spud: <b>10.5</b>	Current Depth: <b>5658' RKB</b>	24 Hour Footage: <b>623'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 5035'- 5658'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>5658'</b>	<b>8.4</b>	<b>48</b>	<b>6/8/10</b>	<b>4.0</b>	<b>2</b>	<b>1020</b>	<b>40000</b>	<b>85/15</b>	<b>7.3</b>	<b>30.9</b>	<b>4.16</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>5035-5658</b>	<b>10-20</b>	<b>50/148</b>	<b>4000-6000</b>	<b>1100</b>	<b>108</b>	<b>26.5</b>			<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 5035	671 5658 5658	588 4987 623	20.3 35.69 26.5	Bit:			3-3-In SIH SIH
											29.00	29.00		
										23.5	139.75			
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy			

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-1300	6.00	Directionally drill (slide & rotate) from 5035'- 5160'.										Rig:		
1300-1330	0.50	Rig service.										Mud:		
1330-0700	17.50	Directionally drill (slide & rotate) from 5160'- 5658'.										Chemicals/ Water/ Air:		
												Bit/ Rmr:		
		<b>NOTE: The oil-based mud (OBM) became very gas cut at ~5560'. Strong</b>										Rentals:		
		<b>indications of free crude oil entering the system causing the color of the OBM to</b>										Geologist & Mudlogger:		
		<b>change from dark brown to black and also causing the Oil/Water Ratio of the OBM to</b>										Supr:		
		<b>change from 74/26 to 85/15.</b>										Fuel/ Lube:		
												Logs:		
												Wellhead, Tbg & Csg		
												Cmt & Cmtg:		
												Back Off		
												Mob/Dmob		
												Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
Total	<b>24</b>											Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
	<b>9 u</b>	<b>12 u</b>		C1	C2	C3	C4	C5	Shale:	Sand:	Any	<b>None</b>		
									<b>60%</b>	<b>40%</b>				
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
									Repair:	Other:	Footage:	Daywork:		
Today:	<b>23.50</b>		<b>0.50</b>									<b>24.00</b>		
Cum.:	<b>163.50</b>	<b>13.00</b>	<b>4.75</b>			<b>5.25</b>	<b>10.50</b>	<b>51.25</b>	<b>3.75</b>			<b>252.00</b>		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/25/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Directional drilling @ 6213'.	Days From Spud: 11.5	Current Depth: 6198' RKB	24 Hour Footage: 540'	Hole Condition: Good	Hole Problems: None
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 5658'-6198'.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832** Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability:	Chlorides PPM:	O/W Ratio:	Solids %:	Salt (%):	Lime	
	6128	8.6	50	6/8/10	3.7	2	927	24000	81/19	10.1	20.03	3.9	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	GD	PZ-8	8	6								
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	5658-6198	25-Oct	50/148	5000-8000	1100	108	23.0			393			
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.	
		STC	MDSI616		JF8117	3x16	671 5658	6198 6198	5527 540	33.8 23.0	29.00 23.5	29.00 163.25	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-1230	5.50	Directionally drill (slide & rotate) from 5658'- 5783'.								Rig:		
1230-1245	0.25	Rig service.								Mud:		
1245-0700	18.25	Directionally drill (slide & rotate) from 5783'-6198'.								Chemicals/ Water/ Air:		
										Bit/ Rmr:		
										Rentals:		
										Geologist & Mudlogger:		
										Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24									Total:		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
	12 u			C1	C2	C3	C4	C5	Shale: 80%	Sand: TR	Siltstone: 19%	None
Hours:	DRLG:	Trip:	Rig Serv.:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	23.75		0.25						Repair:	Other:	Footage:	Daywork:
Cum.:	187.25	13.00	5.00			5.25	10.50	51.25	3.75			276.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/26/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: **UTU2078**  
**4**

Field: **Wildcat**

Well Name: **Tidewater Fed # 12-24D-2118** API 43-019-50025

Location: **SESW 1290 FSL 1490FWL**

Contractor: **K-SUE** Type: **Directional** Elev **5136' graded**

**SESW Sec 12, T21S, R18E**

Rig #: **Aztec Rig #580** Target: **Navajo-Page-Wingate**

**Grand County, Utah**

Current Operation: <b>Running electric logs</b>	Days From Spud: <b>12.5</b>	Current Depth: <b>6295' RKB</b>	24 Hour Footage: <b>167'</b>	Hole Condition: <b>Good</b>	Hole Problems: <b>None</b>
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**Summary:** Rotate & slide while directionally drilling the 7-7/8" production hole from 6198'- 6295'. Circulate & condition mud. TOO H & LD directional tools. RU Baker Hughes logging truck. Run DIL/ CNL/ FDC/ Sonic/ CAL/ GR from 6295' to casing shoe at 671'. Run GR to surface.

**Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	<b>6295</b>	<b>8.6</b>	<b>50</b>	<b>6/8/10</b>	<b>3.7</b>	<b>2</b>	<b>927</b>	<b>24000</b>	<b>81/19</b>	<b>10.1</b>	<b>20.03</b>	<b>3.9</b>		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	<b>1</b>	<b>GD</b>	<b>PZ-8</b>	<b>8</b>	<b>6</b>									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	<b>6198- 6295'</b>	<b>10-25</b>	<b>50/148</b>	<b>5000-8000</b>	<b>1100</b>	<b>108</b>	<b>23.0</b>			<b>393</b>				
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671' 6198	671 6295 6295	588 5624 167	20.3 33.2 27.8	Bit:			3-3-In SIH SIH
											29.00	29.00		
											Cum.			
											6.00	169.25		
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy			

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0930	2.50	Directionally drill (slide & rotate) from 6198'- 6248'.								Rig:		
0930-1000	0.50	Circulate & condition mud.								Mud:		
1000-1330	3.50	Directionally drill (slide & rotate) from 6248'- 6295'. TD is 6295' TD.								Chemicals/ Water/ Air:		
1330-1630	3.00	Circulate & condition mud. Build volume.								Bit/ Rmr:		
1630-0115	8.75	TOOH. LD directional tools.								Rentals:		
0115-0700	5.75	RU Baker Hughes to run electric logs. Run CNL/ CDL/ DAL/ HDL/ GR/ CAL.								Geologist & Mudlogger:		
		Loggers TD @ 6300.5'. No fill. Loggers found surface casing shoe at 667'.								Supr:		
										Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
Total	24.0									Total:		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	6.00	8.75				3.50	5.75		Repair:	Other:	Footage:	Daywork:
Cum.:	193.25	21.75	5.00			8.75	16.25	51.25	3.75			300.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/27/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Running 5-1/2" production casing	Days From Spud: 13.5	Current Depth: 6295' RKB	24 Hour Footage: 0	Hole Condition: Good	Hole Problems: None
--	-------------------------	-----------------------------	-----------------------	-------------------------	------------------------

**Summary:** Finish running e-logs. Logger's TD is 6300' MD. TIH w/drill string minus the directional tools. Circulate & condition mud. Pump pill and POOH LDDP. Weatherford casing crew on location to assist in LDDP, drift casing and clean threads. Halliburton cementing equipment arriving on location.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	6295	8.6	51	6/8/10	6.0	2	786	30000	78/22	8.9	20.03	8.06		
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:			
	6295													
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC STC	FDS MDSI616	117	XYZ2314 JF8117	3x16 3x16	83' 671 6198	671 6295 6295	588 5624 167	20.3 33.2 27.8	Bit:			3-3-In Good Good
											29.00	29.00		

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0700-0800	1.00	Finish running electric logs. Logger's TD 6300'. RD Baker Hughes. Gauge hole all the way.								Rig:		
0800-1600	8.00	MU bit & TIH w/ drill collars, SWDP & DP. No fill.								Mud:		
1600-1630	0.50	PU DP and swivel.								Chemicals/ Water/ Air:		
1630-2030	4.00	Circulate & condition mud.								Bit/ Rmr:		
2030-2115	0.75	Pump pill. Hang back swivel. Prepare to LDDP.								Rentals:		
2115-2215	1.00	Rig Repair. Replace spinning chain.								Geologist & Mudlogger:		
2215-0700	8.75	LD drill pipe, SWDP & DC's.								Supr:		
		2 trucks of 5-1/2" 17.0 ppf N80 LTC casing have arrived. Weatherford is drifting casing and cleaning threads. Last truck of casing has not arrived. Was scheduled for delivery at 2230 last night.								Fuel/ Lube:		
										Logs:		
										Wellhead, Tbg & Csg		
										Cmt & Cmtg:		
										Back Off		
										Mob/Dmob		
										Directional		
										Trucking:		
										Fishing		
										Road/Location		
										Miscellaneous		
<b>Total</b>	<b>24.0</b>									<b>Total:</b>		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:		16.75				4.00	1.00	1.25	Repair:	Other:	Footage:	Daywork:
Cum.:		193.25	38.50	5.00		12.75	17.25	52.50	4.75			324.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/28/12

Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal: UTU2078

Lease: 4

Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118

API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE

Type: Directional

Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580

Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Cementing 5-1/2" production csg	Days From Spud: 14.5	Current Depth: 6295' RKB	24 Hour Footage: 0	Hole Condition: Good	Hole Problems: None
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**Summary:** Finish LDDP. Service rig. Run 5-1/2" casing to 6289' RKB. RU Halliburton and cement 1st stage of 2 stage cement job. Open DV Tool and circulate while WOC from 1st stage prior to cementing second stage.

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832

Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime		
	6295	8.6	51	6/8/10	6.0	2	786	30000	78/22	8.9	20.03	8.06		
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):		
	1	GD	PZ-8	8	6									
Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:		Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:		
	6295													
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:	
	1- 12.25" 2- 7.875"	STC	FDS	117	XYZ2314	3x16	83'	671	588	20.3	Bit:	Cum.		
		STC	MDS1616		JF8117	3x16	671 6198	6295 6295	5624 167	33.2 27.8	29.00	169.25		3-3-In Good Good
Surveys:	Depth: (ft.)	Degrees:	Azimuth		Depth: (ft)	Degrees	Azimuth		Depth: (ft.)	Degrees:	Azimuth		TVD	Build Assy

To Time:	Hours:	<b>OPERATIONS</b>										COST:	Today:	Cum.:
0700-0900	2.00	Finish LDDP. Pull wear bushing.										Rig:		
0900-1000	1.00	Service rig. Change filters on light plant.										Mud:		
1000-1100	1.00	Unload 5-1/2" 17.0 ppf N80 LTC production casing. Weatherford is drifting, cleaning threads, and strapping casing.										Chemicals/ Water/ Air:		
1100-1900	8.00	RU Weatherford casing crew. Run 149 joints (6285.36') of 5-1/2" 17.0 ppf N80 LTC production casing as follows: Float shoe, shoe joint (42.18'), float collar, 57 joints casing, DV Tool, 91 joints casing. Place centralizers at middle of shoe joint, middle of second joint, second casing collar, every other joint for next 7 joints and first collar above DV Tool, and every other collar thereafter for an additional 9 centralizers. Total of 20 centralizers run.										Geologist & Mudlogger:		
1900-0130	6.50	Circulate and wait of chemical for cement spacer from Halliburton in Casper.										Wellhead, Tbg & Csg		
0130-0200	0.50	Finish rigging up Halliburton to cement production casing.										Cmt & Cmtg:		
0200-0230	0.50	Hold safety meeting. Pressure test Howco lines to 5500 psi.										Back Off		
0230-0500	2.50	FIRST STAGE CEMENT: Pump 40 bbls of Tuned spacer. Pump 111 bbls (205 sx) Expandacem cement mixed at 13.1 ppg with 1.42 cf/sx yield and 7.03 gal/sx mix water. Drop plug. Displace with 51.7 bbls FW, 10 bbls Tuned spacer, and 83.0 bbls oil-based mud. Drop plug. Bump plug. Floats held. Drop bomb to open DV Tool. Open DV Tool. Circulate out 38 bbls of cement with oil-based mud.										Mob/Dmob		
0500-0700	2.00	Circulate oil-based mud through DV Tool and WOC from 1st stage.										Directional		
												Trucking:		
												Fishing		
												Road/Location		
												Miscellaneous		
<b>Total</b>	<b>24.0</b>											<b>Total:</b>		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:		2.00	1.00			8.50	11.50	1.00	Repair:	Other:	Footage:	Daywork:
Cum.:		193.25	40.50	6.00		21.25	28.75	53.50	4.75			348.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 10/29/12  
Report Time: 0700

Operator: **TIDEWATER OIL & GAS COMPANY LLC**

Federal Lease: UTU2078  
4  
Field: Wildcat

Well Name: Tidewater Fed # 12-24D-2118 API 43-019-50025

Location: SESW 1290 FSL 1490FWL

Contractor: K-SUE Type: Directional Elev 5136' graded

SESW Sec 12, T21S, R18E

Rig #: Aztec Rig #580 Target: Navajo-Page-Wingate

Grand County, Utah

Current Operation: Release rig.	Days From Spud: 16.0	Current Depth: 6295' RKB	24 Hour Footage: 0	Hole Condition: Good	Hole Problems: None
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**Summary:** Circulate from DV tool up while WOC from 1st cement stage. Mix & pump 2nd stage cement from DV Tool (3930' MD) to surface. Good returns throughout and return 40 bbl cement to surface. Set slips and cut-off 5-1/2" casing. Install production cap on 9-5/8" x 11" 3M wellhead. ND BOPE. Clean rig and pits from oil based mud. **Release rig at 1900 hours 10-28-12.**

Walt Lowry (Engineer/Company Man): 303-884-5505 Satellite: 970-986-4832 Cum Cost: \$0

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	Emul Stability	Chlorides PPM:	O/W Ratio	Solids %:	Salt (%)	Lime
	6295	8.6	51	6/8/10	6.0	2	786	30000	78/22	8.9	20.03	8.06

Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	GD	PZ-8	8	6							

Drilling Parameters:	Depth Interval:	Weight on Bit:	RPM:	Torque:	Pump Press(PSI):	SPM:	Average Drill Rate:	Ave. FPM. DP.:	Ave. FPM. DC.:	Pmp Rate (gpm):	Hydr. Hp.:
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Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (# / 32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
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To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0700-0830	1.50	Circulate and wait on 1st stage cement to set.	Rig:		
0830-1230	4.00	RU Halliburton. Hold pre-job safety meeting. Pressure test lines to 5500 psi. OK. 2nd STAGE CEMENT: Pump 50 bbls spacer. Pump 169 bbls (635 sx) Expandacem cement mixed at 13.1 ppg with 1.42 cf/sx yield and 7.03 gal/sx mix water. Drop plug. Drop plug. Displace with 91 bbls 4% KCL water. Bump plug with 2488 psi. Floats held. Good returns throughout second stage cement. Return 40+ bbls cement to surface.	Chemicals/ Water/ Air:		
1230-1300	0.50	RD Halliburton.	Bit/ Rmr:		
1300-1730	4.50	ND BOPE. Set casing slips with 90,000# tension. NU night cap. Leave tubing head on location to hook up after rig moves out.	Rentals:		
1730-1900	1.50	ND annular preventer. Set out BOPE. LD swivel. Clean pits. <b>Release rig 1900 hrs 10/28/12.</b>	Geologist & Mudlogger:		
			Supr:		
			Fuel/ Lube:		
			Logs:		
			Wellhead, Tbg & Csg		
			Cmt & Cmtg:		
		<b>All estimated costs for Reports 16, 17 &amp; 18 to be coded to "Completion Operations".</b>	Back Off		
		<b>Total field estimated Dryhole Costs =</b>	Mob/Dmob		
		<b>Total field est Completion Costs =</b>	Directional		
		<b>Total field estimated Drlg/ Comp Cost =</b>	Trucking:		
			10% Contingency		
			Road/Location		
			Miscellaneous		
<b>Total</b>	<b>12.0</b>		<b>Total:</b>		

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Shale:	Sand:	Siltstone	None
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:							6.00	6.00				12.00
Cum.:	193.25	40.50	6.00			21.25	34.75	59.50	4.75			360.00

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-20784
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: CRESCENT
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: TIDEWATER FED 12-24D-2118
2. NAME OF OPERATOR: TIDEWATER OIL & GAS COMPANY, LLC	9. API NUMBER: 43019500250000
3. ADDRESS OF OPERATOR: 110 16th St Ste 1220 , Denver, CO, 80202	PHONE NUMBER: 303 468-0656 Ext 201
9. FIELD and POOL or WILDCAT: BLAZE CANYON	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1290 FSL 1490 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S	COUNTY: GRAND  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: 5/1/2014  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input checked="" type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

The well should be entered and washed down to the top of the plug, Plug needs to be evaluated to see to make sure that we have enough room to do the additional perfs seen below, see perforations below:  
 Proposed New Perfs: 5120-5125' (5') 5130-5136' (6') Reperf Existing Perfs: 5142-5152' (10') Proposed New Perfs: 5152-5168' (16') The perforated interval in the Tidewater 12-24D-2118, should be treated with 100 gals/ft of 15% HCL and 5 gals of non-emulsifier per 1000 gals of acid used. The interval should be treated with the break down fluid at a rate of 15 to 20 bbls per min with perf balls dropped in an effort to temporarily plug the original perfed interval. See attached.

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

Date: March 19, 2014

By: *Dark Quist*

NAME (PLEASE PRINT) Thomas Johnson	PHONE NUMBER 303 468-0656	TITLE Office Manager
SIGNATURE N/A	DATE 3/13/2014	

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU20784
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: NA
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: UTU88212X
2. NAME OF OPERATOR: Tidewater Oil & Gas Company LLC		8. WELL NAME and NUMBER: Tidewater Federal 12-24D-2118
3. ADDRESS OF OPERATOR: 110 16th St, Suite 405      CITY: Denver      STATE: CO      ZIP: 80202		9. API NUMBER: 4301950025
		10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1290' FSL & 1490' FWL		COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 12 21S 18E		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>5/1/2014</u>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The well should be entered and washed down to the top of the plug, Plug needs to be evaluated to see to make sure that we have enough room to do the additional perfs seen below, see perforations below:

Proposed New Perfs:      5120-5125' (5')  
                                    5130-5136' (6')  
Reperf Existing Perfs:    5142-5152' (10')  
Proposed New Perfs:      5152-5168' (16')

The perforated interval in the Tidewater 12-24D-2118, should be treated with 100 gals/ft of 15% HCL and 5 gals of non-emulsifier per 1000 gals of acid used. The interval should be treated with the break down fluid at a rate of 15 to 20 bbls per min with perf balls dropped in an effort to temporarily plug the original perfed interval.

NAME (PLEASE PRINT) <u>Tom Johnson</u>	TITLE <u>Office Manager</u>
SIGNATURE <u><i>Tom Johnson</i></u>	DATE <u>03-13-2014</u>

(This space for State use only)



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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

12. COUNTY

13. STATE

UTAH

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

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

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR: CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE:  
  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
  
AT TOTAL DEPTH:

14. DATE SPUDDED: \_\_\_\_\_ 15. DATE T.D. REACHED: \_\_\_\_\_ 16. DATE COMPLETED: \_\_\_\_\_ ABANDONED  READY TO PRODUCE  17. ELEVATIONS (DF, RKB, RT, GL):

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

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) \_\_\_\_\_ 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

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

**27. PERFORATION RECORD**

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input 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.**

WAS WELL HYDRAULICALLY FRACTURED? YES  NO  IF YES -- DATE FRACTURED: \_\_\_\_\_

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)

**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) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

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

# **Tidewater Oil & Gas, LLC**

**Grand County, UT**

**Section 12, T21S-R18E**

**Tidewater Federal 12-24D-2118**

**Aztec #580**

**Survey: Final Survey Report**

## **Standard Survey Report**

**26 October, 2012**

Sundry Number: 51429 API Well Number: 43019500250000  
**Tidewater Oil & Gas, LLC**  
**Tidewater Federal 12-24D-2118**  
**Grand County, UT**

**Geodetic System: US State Plane 1983**  
**Zone: Utah Central Zone**  
**Well @ 5147.4usft (Aztec #580)**  
**Ground Level: 5136.4**  
**Latitude: 38° 59' 48.754 N**  
**Longitude: 109° 53' 16.781 W**

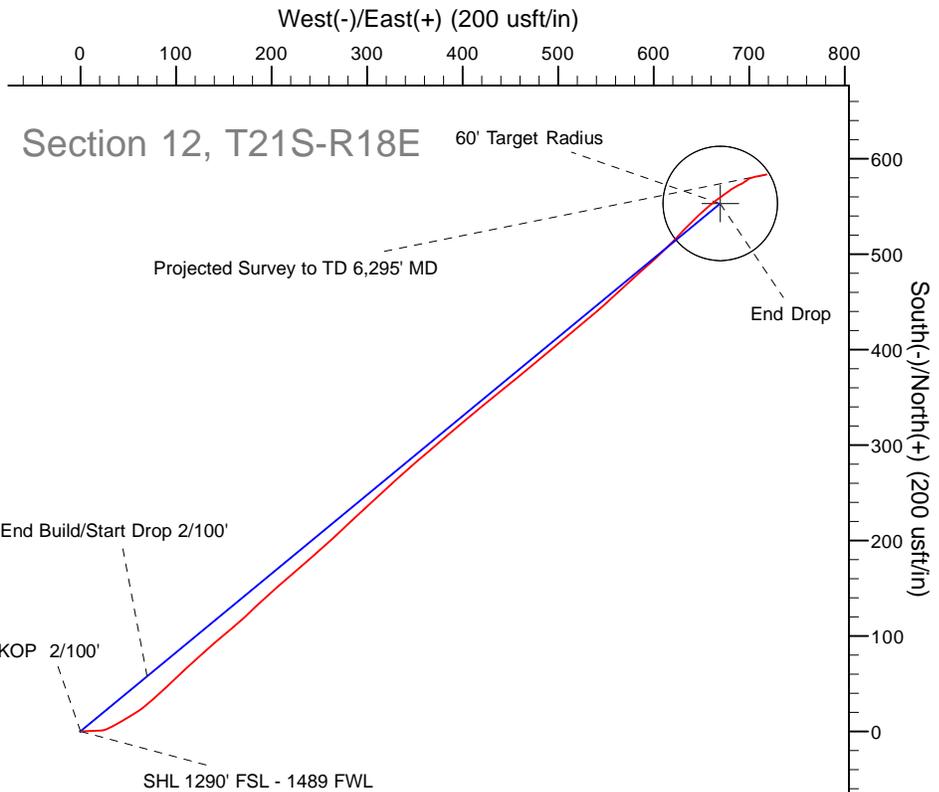
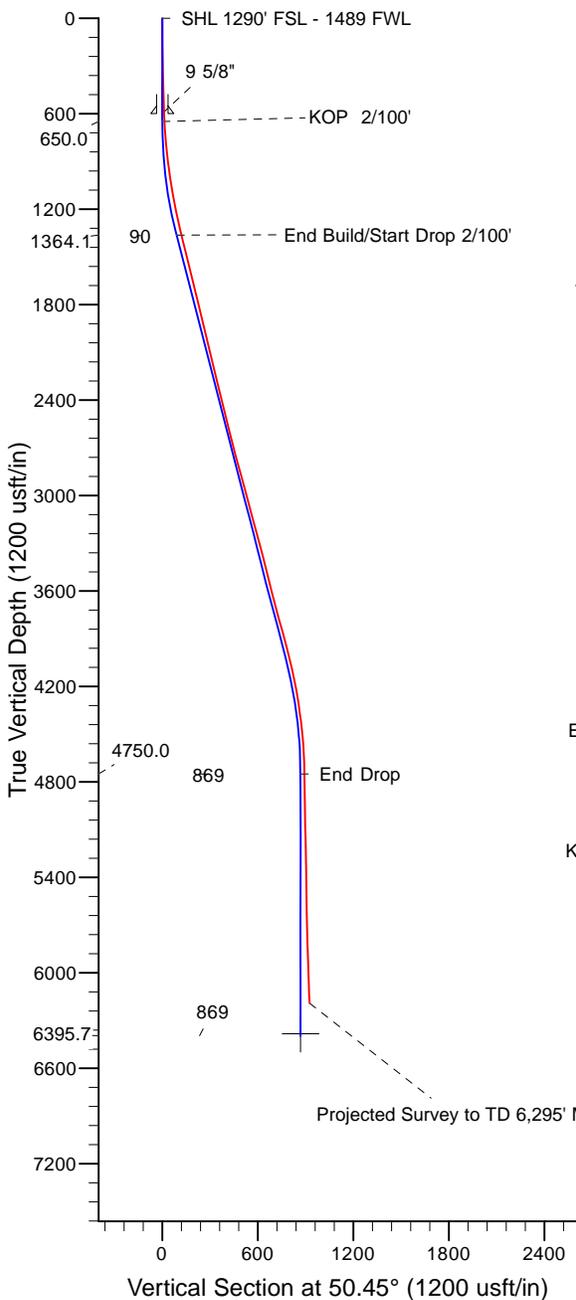


Azimuths to True North  
 Magnetic North: 10.92°

Magnetic Field  
 Strength: 51591.9snT  
 Dip Angle: 64.93°  
 Date: 10/10/2012  
 Model: IGRF2010

**Magnetic North is 10.92° East of True North (Magnetic Declination)**

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.0
1371.7	14.43	50.45	1364.1	57.6	69.7	2.00	50.45	90.4
4130.6	14.43	50.45	4035.9	495.4	600.0	0.00	0.00	778.1
4852.3	0.00	0.00	4750.0	553.0	669.7	2.00	180.00	868.5
6500.0	0.00	0.00	6397.7	553.0	669.7	0.00	0.00	868.5



Plan: Revised 10-03-12 (Tidewater Federal 12-24D-2118/Aztec #580)

Created By: Mike Kirby Date: 8:46, October 26 2012  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: x Date: x

RECEIVED: Jun. 02, 2014

Survey Report

<b>Company:</b>	Tidewater Oil & Gas, LLC	<b>Local Co-ordinate Reference:</b>	Site Section 12, T21S-R18E
<b>Project:</b>	Grand County, UT	<b>TVD Reference:</b>	Well @ 5147.4usft (Aztec #580)
<b>Site:</b>	Section 12, T21S-R18E	<b>MD Reference:</b>	Well @ 5147.4usft (Aztec #580)
<b>Well:</b>	Tidewater Federal 12-24D-2118	<b>North Reference:</b>	True
<b>Wellbore:</b>	Aztec #580	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Aztec #580	<b>Database:</b>	Rocky Mountain R5000 Database

<b>Project</b>	Grand County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Section 12, T21S-R18E				
<b>Site Position:</b>		<b>Northing:</b>	6,807,485.82 usft	<b>Latitude:</b>	38° 59' 48.754 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,098,557.12 usft	<b>Longitude:</b>	109° 53' 16.781 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.03 °

<b>Well</b>	Tidewater Federal 12-24D-2118					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	6,807,485.82 usft	<b>Latitude:</b>	38° 59' 48.754 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,098,557.12 usft	<b>Longitude:</b>	109° 53' 16.781 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	5,172.4 usft	<b>Ground Level:</b>	5,136.4 usft

<b>Wellbore</b>	Aztec #580				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	10/10/2012	10.92	64.93	51,592

<b>Design</b>	Aztec #580				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	50.00	

<b>Survey Program</b>	<b>Date</b>	10/26/2012			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
706.0	6,295.0	Final Survey Report (Aztec #580)	MWD		

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
706.0	3.60	87.60	705.5	0.9	22.2	17.6	0.51	0.51	0.00	
767.0	4.70	68.50	766.4	1.9	26.4	21.5	2.87	1.80	-31.31	
798.0	5.20	66.40	797.3	3.0	28.9	24.0	1.72	1.61	-6.77	
859.0	6.70	61.60	857.9	5.8	34.5	30.1	2.59	2.46	-7.87	
889.0	7.20	60.50	887.7	7.5	37.7	33.7	1.72	1.67	-3.67	
951.0	8.10	59.20	949.2	11.7	44.8	41.8	1.48	1.45	-2.10	
981.0	8.30	59.80	978.9	13.8	48.5	46.1	0.73	0.67	2.00	
1,042.0	9.50	57.20	1,039.1	18.8	56.6	55.4	2.07	1.97	-4.26	
1,073.0	10.00	56.50	1,069.7	21.6	61.0	60.6	1.66	1.61	-2.26	

## Survey Report

<b>Company:</b>	Tidewater Oil & Gas, LLC	<b>Local Co-ordinate Reference:</b>	Site Section 12, T21S-R18E
<b>Project:</b>	Grand County, UT	<b>TVD Reference:</b>	Well @ 5147.4usft (Aztec #580)
<b>Site:</b>	Section 12, T21S-R18E	<b>MD Reference:</b>	Well @ 5147.4usft (Aztec #580)
<b>Well:</b>	Tidewater Federal 12-24D-2118	<b>North Reference:</b>	True
<b>Wellbore:</b>	Aztec #580	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Aztec #580	<b>Database:</b>	Rocky Mountain R5000 Database

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,135.0	10.10	50.60	1,130.7	28.1	69.6	71.4	1.67	0.16	-9.52	
1,196.0	11.10	47.70	1,190.7	35.4	78.1	82.6	1.86	1.64	-4.75	
1,226.0	11.30	47.00	1,220.1	39.4	82.4	88.4	0.81	0.67	-2.33	
1,288.0	12.40	46.30	1,280.8	48.1	91.7	101.1	1.79	1.77	-1.13	
1,319.0	12.70	47.80	1,311.0	52.7	96.6	107.9	1.43	0.97	4.84	
1,381.0	13.70	46.50	1,371.4	62.3	107.0	122.0	1.68	1.61	-2.10	
1,412.0	13.80	46.80	1,401.5	67.4	112.3	129.4	0.40	0.32	0.97	
1,472.0	14.30	47.80	1,459.7	77.3	123.0	143.9	0.93	0.83	1.67	
1,566.0	14.40	49.40	1,550.8	92.7	140.5	167.2	0.44	0.11	1.70	
1,661.0	14.00	49.40	1,642.9	107.8	158.2	190.5	0.42	-0.42	0.00	
1,689.0	13.80	49.90	1,670.1	112.2	163.3	197.2	0.83	-0.71	1.79	
1,785.0	13.70	45.40	1,763.3	127.5	180.2	220.0	1.12	-0.10	-4.69	
1,879.0	13.10	48.60	1,854.8	142.4	196.1	241.8	1.01	-0.64	3.40	
1,942.0	12.80	49.00	1,916.2	151.7	206.7	255.9	0.50	-0.48	0.63	
2,036.0	13.50	49.00	2,007.7	165.7	222.9	277.2	0.74	0.74	0.00	
2,100.0	13.20	49.60	2,070.0	175.4	234.1	292.0	0.52	-0.47	0.94	
2,163.0	13.80	47.70	2,131.2	185.1	245.1	306.7	1.18	0.95	-3.02	
2,194.0	13.90	49.20	2,161.3	190.0	250.6	314.1	1.20	0.32	4.84	
2,257.0	14.20	47.10	2,222.4	200.2	262.0	329.4	0.94	0.48	-3.33	
2,321.0	14.00	47.00	2,284.5	210.8	273.4	345.0	0.31	-0.31	-0.16	
2,352.0	13.70	46.80	2,314.6	215.9	278.9	352.4	0.98	-0.97	-0.65	
2,415.0	14.20	47.60	2,375.7	226.2	290.0	367.6	0.85	0.79	1.27	
2,446.0	14.20	47.60	2,405.8	231.4	295.6	375.2	0.00	0.00	0.00	
2,509.0	13.80	45.40	2,466.9	241.8	306.7	390.4	1.06	-0.63	-3.49	
2,572.0	13.30	48.20	2,528.2	251.9	317.4	405.1	1.31	-0.79	4.44	
2,603.0	13.40	49.00	2,558.3	256.7	322.8	412.3	0.68	0.32	2.58	
2,697.0	14.50	47.40	2,649.6	271.8	339.7	434.9	1.24	1.17	-1.70	
2,729.0	14.50	48.80	2,680.5	277.1	345.7	442.9	1.10	0.00	4.38	
2,823.0	15.40	49.20	2,771.4	293.0	364.0	467.2	0.96	0.96	0.43	
2,919.0	15.20	50.30	2,864.0	309.4	383.3	492.5	0.37	-0.21	1.15	
3,009.0	14.90	49.40	2,950.9	324.5	401.1	515.9	0.42	-0.33	-1.00	
3,103.0	14.70	50.70	3,041.8	339.9	419.6	539.9	0.41	-0.21	1.38	
3,197.0	15.30	51.30	3,132.6	355.2	438.5	564.2	0.66	0.64	0.64	
3,291.0	15.00	50.60	3,223.3	370.7	457.5	588.8	0.37	-0.32	-0.74	
3,385.0	14.90	49.90	3,314.1	386.2	476.2	613.0	0.22	-0.11	-0.74	
3,479.0	14.60	50.60	3,405.0	401.5	494.6	637.0	0.37	-0.32	0.74	
3,572.0	14.40	49.70	3,495.0	416.4	512.5	660.2	0.32	-0.22	-0.97	
3,666.0	13.90	50.40	3,586.2	431.2	530.1	683.2	0.56	-0.53	0.74	
3,761.0	15.00	48.40	3,678.2	446.6	548.1	706.9	1.27	1.16	-2.11	
3,855.0	15.20	46.70	3,768.9	463.1	566.1	731.4	0.52	0.21	-1.81	
3,949.0	15.10	48.40	3,859.7	479.7	584.3	755.9	0.48	-0.11	1.81	
4,043.0	14.60	47.60	3,950.5	495.8	602.2	780.0	0.57	-0.53	-0.85	
4,106.0	14.40	45.50	4,011.5	506.7	613.6	795.7	0.89	-0.32	-3.33	
4,201.0	12.70	43.20	4,103.9	522.6	629.2	817.9	1.88	-1.79	-2.42	

## Survey Report

<b>Company:</b>	Tidewater Oil & Gas, LLC	<b>Local Co-ordinate Reference:</b>	Site Section 12, T21S-R18E
<b>Project:</b>	Grand County, UT	<b>TVD Reference:</b>	Well @ 5147.4usft (Aztec #580)
<b>Site:</b>	Section 12, T21S-R18E	<b>MD Reference:</b>	Well @ 5147.4usft (Aztec #580)
<b>Well:</b>	Tidewater Federal 12-24D-2118	<b>North Reference:</b>	True
<b>Wellbore:</b>	Aztec #580	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Aztec #580	<b>Database:</b>	Rocky Mountain R5000 Database

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,295.0	10.90	45.50	4,195.9	536.3	642.6	837.0	1.98	-1.91	2.45	
4,327.0	10.20	47.10	4,227.4	540.4	646.8	842.9	2.37	-2.19	5.00	
4,419.0	7.70	50.90	4,318.2	549.8	657.6	857.2	2.79	-2.72	4.13	
4,451.0	7.70	49.20	4,349.9	552.6	660.9	861.4	0.71	0.00	-5.31	
4,483.0	7.70	50.90	4,381.6	555.3	664.2	865.7	0.71	0.00	5.31	
4,514.0	7.40	55.00	4,412.4	557.8	667.4	869.8	1.99	-0.97	13.23	
4,577.0	6.40	54.00	4,474.9	562.2	673.6	877.3	1.60	-1.59	-1.59	
4,640.0	4.90	53.80	4,537.6	565.8	678.6	883.5	2.38	-2.38	-0.32	
4,703.0	3.60	58.10	4,600.4	568.5	682.4	888.2	2.12	-2.06	6.83	
4,798.0	1.30	62.00	4,695.3	570.5	685.9	892.2	2.43	-2.42	4.11	
4,892.0	0.60	58.60	4,789.3	571.3	687.3	893.7	0.75	-0.74	-3.62	
4,986.0	0.70	57.50	4,883.3	571.9	688.2	894.8	0.11	0.11	-1.17	
5,081.0	1.00	69.10	4,978.3	572.5	689.4	896.1	0.36	0.32	12.21	
5,175.0	1.30	63.70	5,072.3	573.2	691.2	897.9	0.34	0.32	-5.74	
5,267.0	1.30	60.40	5,164.3	574.2	693.0	900.0	0.08	0.00	-3.59	
5,361.0	1.60	52.20	5,258.2	575.5	695.0	902.3	0.39	0.32	-8.72	
5,454.0	0.50	75.90	5,351.2	576.4	696.4	904.0	1.25	-1.18	25.48	
5,548.0	0.50	42.40	5,445.2	576.8	697.1	904.8	0.31	0.00	-35.64	
5,641.0	0.70	45.50	5,538.2	577.5	697.7	905.7	0.22	0.22	3.33	
5,735.0	1.10	58.20	5,632.2	578.4	698.9	907.2	0.47	0.43	13.51	
5,827.0	1.60	69.00	5,724.2	579.3	700.9	909.3	0.61	0.54	11.74	
5,919.0	2.10	74.50	5,816.1	580.3	703.7	912.0	0.58	0.54	5.98	
6,013.0	2.20	77.90	5,910.1	581.1	707.1	915.2	0.17	0.11	3.62	
6,107.0	2.20	78.20	6,004.0	581.8	710.6	918.4	0.01	0.00	0.32	
6,200.0	2.30	77.10	6,096.9	582.6	714.2	921.6	0.12	0.11	-1.18	
6,247.0	2.30	80.00	6,143.9	583.0	716.1	923.3	0.25	0.00	6.17	
6,295.0	2.30	80.00	6,191.8	583.3	718.0	924.9	0.00	0.00	0.00	
Projected Survey to TD 6,295' MD - TF 2188 PBHL										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
6,295.0	6,191.8	583.3	718.0	Projected Survey to TD 6,295' MD	

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118
<b>3. ADDRESS OF OPERATOR:</b> 110 16th Street, Suite 405 , Denver, CO, 80202 5206		<b>9. API NUMBER:</b> 43019500250000
<b>PHONE NUMBER:</b> 303 468-0656 Ext 201		<b>9. FIELD and POOL or WILDCAT:</b> BLAZE CANYON
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S		<b>COUNTY:</b> GRAND
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/11/2014	<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 checked="" 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"/>

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

Well is temporarily shut-in and well pump has been removed.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 12, 2014**

<b>NAME (PLEASE PRINT)</b> Thomas Johnson	<b>PHONE NUMBER</b> 303 468-0656	<b>TITLE</b> Office Manager
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/11/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-20784
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: CRESCENT
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: TIDEWATER FED 12-24D-2118
2. NAME OF OPERATOR: TIDEWATER OIL & GAS COMPANY, LLC	9. API NUMBER: 43019500250000
3. ADDRESS OF OPERATOR: 110 16th Street, Suite 405 , Denver, CO, 80202 5206	PHONE NUMBER: 303 468-0656 Ext 201
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1290 FSL 1490 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S	9. FIELD and POOL or WILDCAT: BLAZE CANYON  COUNTY: GRAND  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: 10/10/2014  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

This sundry is to notify the State that Tidewater intends to remove the pumping unit from the 32-31-2119 (API:43-019-50026) and move the unit to the 12-24D-2118. We intend to start this process as soon as the roads are passable. Tidewater had intended to start this process earlier but the roads have been washed out due to flooding, restricting access to the well-site. Another sundry will be filed once the well is ready to produce.

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

Date: \_\_\_\_\_  
 By: *Derek Duff*  
 October 06, 2014

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Thomas Johnson	PHONE NUMBER 303 468-0656	TITLE Office Manager
SIGNATURE N/A	DATE 10/1/2014	



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

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43019500250000**

**A sundry should be submitted for the 32-31-2119 well (API:43-019-50026) detailing the plan for production on this well with the pump jack being removed and that the well is secure.**

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>9. API NUMBER:</b> 43019500250000
<b>3. ADDRESS OF OPERATOR:</b> 110 16th Street, Suite 405 , Denver, CO, 80202 5206	<b>PHONE NUMBER:</b> 303 468-0656 Ext 201	<b>9. FIELD and POOL or WILDCAT:</b> BLAZE CANYON
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S		<b>COUNTY:</b> GRAND
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>7/7/2014</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This is a notification that the pumping unit from the this well was moved to the Tidewater 32-31H-2119 after it was shut-in.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 06, 2014</b>
<b>NAME (PLEASE PRINT)</b> Thomas Johnson	<b>PHONE NUMBER</b> 303 468-0656	<b>TITLE</b> Office Manager
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/6/2014

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT
<b>3. ADDRESS OF OPERATOR:</b> 110 16th Street, Suite 405 , Denver, CO, 80202 5206		<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43019500250000
<b>PHONE NUMBER:</b> 303 468-0656 Ext 201		<b>9. FIELD and POOL or WILDCAT:</b> BLAZE CANYON
<b>COUNTY:</b> GRAND		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> 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 checked="" 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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/13/2015	<input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please be advised that the tubing and pump on the above-referenced well was replaced and the well was returned to production at 11:30 am on 5/13/2015. A production report was filed for May, 2015. If additional information is required, please advise. Thank you.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          July 07, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Vanessa Cameron	<b>PHONE NUMBER</b> 303 868-6449	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/30/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-20784
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b> CRESCENT
<b>3. ADDRESS OF OPERATOR:</b> 110 16th Street, Suite 405 , Denver, CO, 80202 5206		<b>8. WELL NAME and NUMBER:</b> TIDEWATER FED 12-24D-2118
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1290 FSL 1490 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 12 Township: 21.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43019500250000
<b>PHONE NUMBER:</b> 303 468-0656 Ext 201		<b>9. FIELD and POOL or WILDCAT:</b> BLAZE CANYON
<b>COUNTY:</b> GRAND		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> 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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/13/2015	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="pump repair"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please be advised that the above-referenced well has produced 2 loads of oil subsequent to being returned to production on 5/13/2015. However the well went down again due to additional mechanical problems with the pump which need to be repaired. At the same time, flooding of the canyon and related access road damage have prevented the safe passage of heavy equipment needed to make the necessary repairs to the pump. As soon as the access road is passable, we will make the repairs and the well will be turned back on to production. Thank you.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          July 15, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Vanessa Cameron	<b>PHONE NUMBER</b> 303 868-6449	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/9/2015	