

**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 State 2-12-2219				
<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>				
<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> ML-51885 OBA			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" 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 checked="" type="checkbox"/> DIRECTIONAL <input 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		2465 FNL 710 FWL		SWNW	2	22.0 S	19.0 E	S		
Top of Uppermost Producing Zone		2465 FNL 710 FWL		SWNW	2	22.0 S	19.0 E	S		
At Total Depth		2465 FNL 710 FWL		SWNW	2	22.0 S	19.0 E	S		
<b>21. COUNTY</b> GRAND			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 710			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 6000			<b>26. PROPOSED DEPTH</b> MD: 7900 TVD: 7900				
<b>27. ELEVATION - GROUND LEVEL</b> 4799			<b>28. BOND NUMBER</b> 394312648337			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Dalbo, Inc.				
<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>
Surf	12.25	8.625	0 - 790	24.0	J-55 ST&C	9.3	Rockies Lite	100	2.08	12.8
							Premium Plus	100	1.17	15.8
Prod	7.875	5.5	0 - 7900	17.0	N-80 LT&C	9.5	Rockies Lite	308	2.08	12.8
							Premium Plus	75	1.17	15.8
							Rockies Lite	269	2.08	12.8
							Premium Plus	75	1.17	15.8
<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 PLAN 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 checked="" type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Walter Lowry			<b>TITLE</b> Engineer			<b>PHONE</b> 303 884-5505				
<b>SIGNATURE</b>			<b>DATE</b> 12/10/2009			<b>EMAIL</b> wlowry@tidewater-oil.com				
<b>API NUMBER ASSIGNED</b> 43019500080000			<b>APPROVAL</b>			 Permit Manager				

TIDEWATER OIL & GAS COMPANY LLC

**DRILLING PLAN**  
FOR  
**TIDEWATER STATE 2-12-2219**

Surface Location: 2465' FNL, 710' FWL  
SWNW Section 2-T22S-R19E  
Grand County, Utah

**Prepared By:**  
**Walter Lowry**

## TIDEWATER OIL &amp; GAS COMPANY LLC

\* The proposed wellsite is located on State Surface & State Minerals

### 1. ESTIMATED TOPS/ GEOLOGIC MARKERS

<u>Formation Tops (est RKB @ 12')</u>	<u>TVD Depth</u>
Cretaceous Mancos Shale	Surface
Dakota Sandstone	790'
Moab Member of Curtis Formation	1680'
Slick Rock Member of Entrada Sandstone	1790'
Carmel	2060'
Navajo	2220'
Kayenta	2840'
Wingate	3120'
Chinle	3600'
White Rim	6490'
Cutler	7100'
Proposed Total Depth	7900'
Permitted Total Depth	7900'

### 2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS & WATER OR OTHER MINERAL BEARING FORMATIONS

All zones listed above have the chance of producing oil, gas, and/or water. No other producible minerals are expected to be encountered in this wellbore.

### 3. WELL CONTROL EQUIPMENT & TESTING PROCEDURES

Tidewater Oil & Gas Company LLC's minimum specifications for pressure control equipment are as follows:

- Ram Type: 11" 3M BOPE consisting of 2 sets of rams (1 pipe ram and 1 blind ram) and an 11" 3M annular preventer.
- Tidewater will comply with all requirements pertaining to well control as outlined in Rule R649-3-7 of the Utah Division of Oil, Gas & Mining oil & gas regulations.
- Refer to the attached BOPE and choke manifold diagram for more detail.

### 4. CASING PROGRAM: The proposed casing program is as follows:

Interval	Size	Hole Size	Weight	Grade	Thread
0-60'	16"	20"	0.25" w.t.	H40	PE Welded
60'-790'	8-5/8"	12-1/4"	24.0 #/ft	J55	STC
790'-7900'	5-1/2"	7-7/8"	17.0 #/ft	N80	LTC

## TIDEWATER OIL &amp; GAS COMPANY LLC

**5. CEMENT PROGRAM**

Surface	Type & Amount
TOC @ Surface	<b>Lead:</b> 100 sx Rockies LT + 0.125 lbm/sx Poly-E-Flake, 12.8 ppg, 2.08 ft <sup>3</sup> /sx (top at surface in gauge hole) <b>Tail:</b> 100 sx Premium Cement (94 lbm/sx) + 2% CaCl <sub>2</sub> , 15.8 ppg, 1.17 ft <sup>3</sup> /sx (top at ~490' in gauge hole)
Production	Type & Amount (DV Tool @ ~3700')
7,900' – 3,700'	<b>Stage 1:</b> Lead: 308 sx Rockies LT + 0.125 lbm/sx Poly-E-Flake, 12.8 ppg, 2.08 cf/sx (1700' fill, top at 3700' in gauge hole) Tail: 75 sx Premium Cement (94 lbm/sx) + 2% CaCl <sub>2</sub> , 15.8 ppg, 1.17 lbm/sx (500' fill, top at 7400' in gauge hole)
3,700' – 500'	<b>Stage 2:</b> Lead: 269 sx Rockies LT + 0.125 lbm/sx Poly-E-Flake, 12.8 ppg, 2.08 ft <sup>3</sup> /sx (3200' fill, top at 500'- 290' inside surface casing shoe)

- All volumes are calculated based upon a gauge hole. Actual volumes will be calculated based upon caliper log plus 20% excess.

**6. DRILLING FLUIDS**

Interval	Fluid Type	Mud Wt.	Viscosity	Fluid Loss	pH
0-790'	FW Spud Mud	8.4-9.3 ppg	28-35 sec/qt	NC	9.0
790'-3,000'	FW w/ hi-vis sweeps	8.8-9.5 ppg	28-38 sec/qt	NC	9.0
3,000'-7,900'	FW LSND	8.8-9.5 ppg	28-38 sec/qt	<10 ml/30 min	

- The surface hole and the production hole down to a depth of ~3,000' will be drilled using fresh water circulated through a lined reserve pit. High viscosity sweeps with FW gel will be circulated as needed for hole cleaning.
- From ~3,000' to TD of 7,900', the drilling fluids will be circulated through the steel tanks, with the drill cuttings removed by a shale shaker and deposited in the lined reserve pit.

**7. TESTING, LOGGING & CORING**

- Tidewater will consider running a bottomhole Drill Stem Test in the White Rim and/or Cutler Formations if favorable geologic conditions exist. A detailed DST procedure will be prepared and presented to the UDOGM for approval via Sundry Notice if Tidewater elects to run any DSTs.
- Tidewater will consider running sidewall cores, and/or other pressure and fluid sampling tools, if geologic and hole conditions are favorable. A detailed procedure will be prepared and presented to the UDOGM for approval via Sundry Notice if Tidewater elects to run any sidewall cores or other openhole pressure/fluid sampling tools.

## TIDEWATER OIL & GAS COMPANY LLC

- No full cores are anticipated at this time.
- The production hole will be logged with a neutron/density porosity tool, gamma-ray, induction log, caliper, and a sonic log from 7,900' TD to the base of the surface casing at 790'. The GR tool will be run to surface. Additional logging runs may be considered depending upon geologic conditions, hole conditions, and mud log shows. If such additional logs are run, Tidewater will notify the UDOGM in a timely manner of its intent to do so via Sundry Notice.

### 8. ANTICIPATED PRESSURES and H2S

- The presence of H2S is not expected in this well. The well is expected to be subnormally pressured, and the maximum bottomhole pressure is expected to be 0.375 psi per foot, or 2963 psi (7.2 ppg EMW)

### 9. WATER SOURCE

- Tidewater plans on using Dalbo, Inc. to acquire and haul fresh water for drilling and completion operations. The water source is expected to be city water from the town of Mack, Colorado. Dalbo's customer number is R018 and their assigned water filling station is Station #5.

### 10. OTHER INFORMATION

- a. Drilling is expected to commence on or about April 15, 2011.
- b. It is anticipated the drilling of this well will take approximately 17 days.
- c. Tidewater plans to line the reserve pit with a typical oilfield pit liner prior to commencing drilling operations.
- d. Subsequent to completion operations the drilling location will be reclaimed and reseeded as required by the UDOGM.
- e. Surface ownership is the State of Utah.

# T22S, R19E, S.L.B.&M.

## TIDEWATER OIL & GAS, LLC

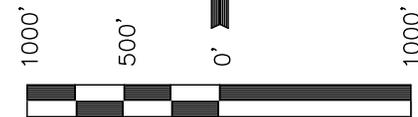
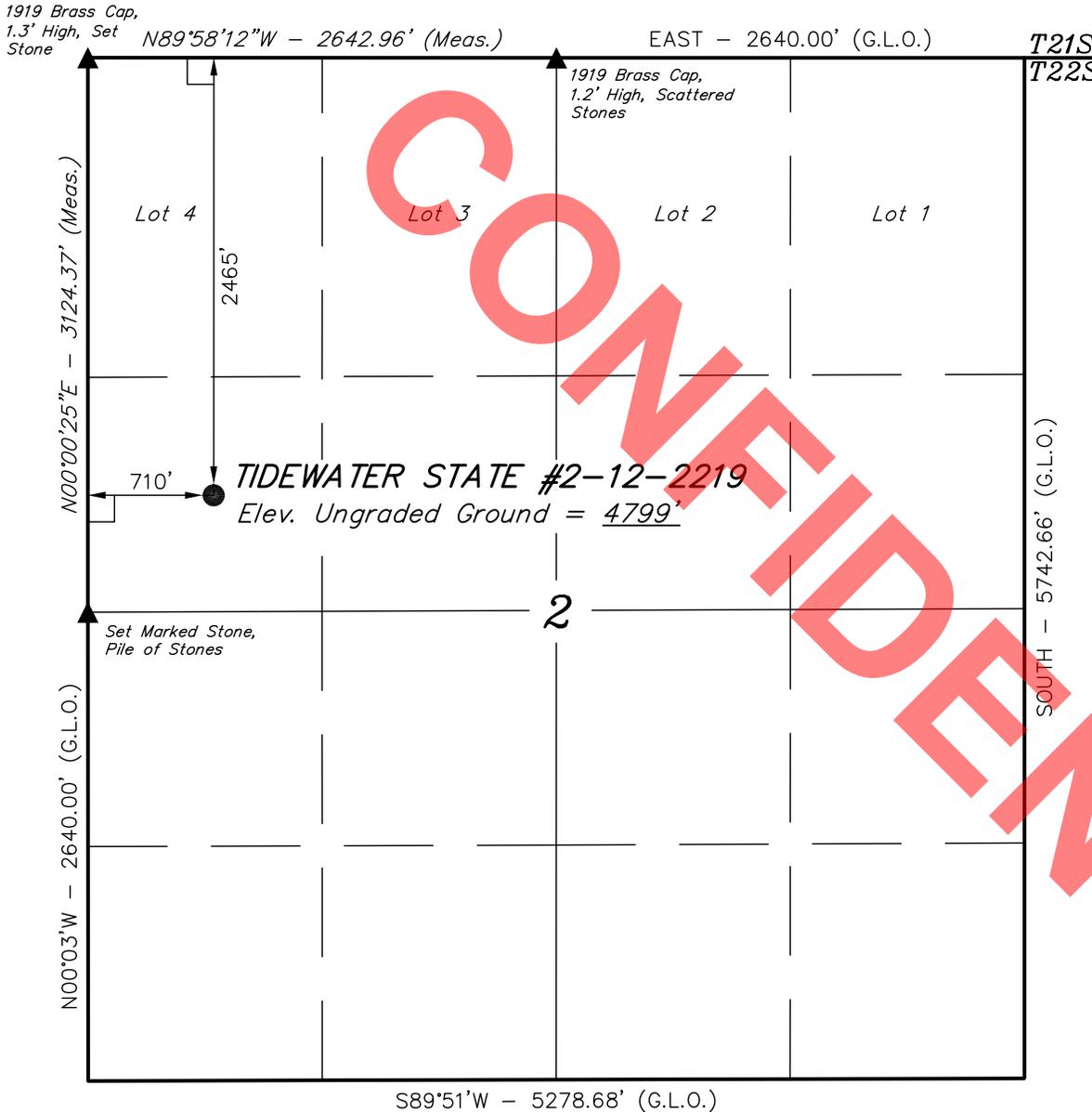
Well location, TIDEWATER STATE #2-12-2219, located as shown in the SW 1/4 NW 1/4 of Section 2, T22S, R19E, S.L.B.&M., Grand County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHWEST CORNER OF SECTION 14, T22S, R19E, S.L.B.&M. TAKEN FROM THE CRESCENT JUNCTION QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4692 FEET.

### BASIS OF BEARINGS

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



SCALE

### CERTIFICATE

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

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

Revised: 12-09-09

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

### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 38°55'42.89" (38.928581)  
 LONGITUDE = 109°47'39.94" (109.794428)  
 (NAD 27)  
 LATITUDE = 38°55'42.99" (38.928608)  
 LONGITUDE = 109°47'37.49" (109.793747)

SCALE 1" = 1000'	DATE SURVEYED: 12-04-09	DATE DRAWN: 12-08-09
PARTY D.R. C.R. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE TIDEWATER OIL & GAS, LLC	

**TIDEWATER OIL & GAS, LLC**  
**TIDEWATER STATE #2-12-2219**  
LOCATED IN GRAND COUNTY, UTAH  
SECTION 2, T22S, R19E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY

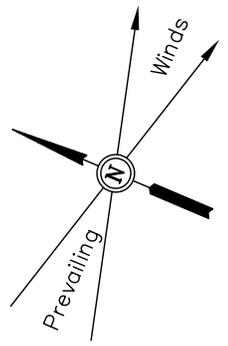


**UELS** Uintah Engineering & Land Surveying  
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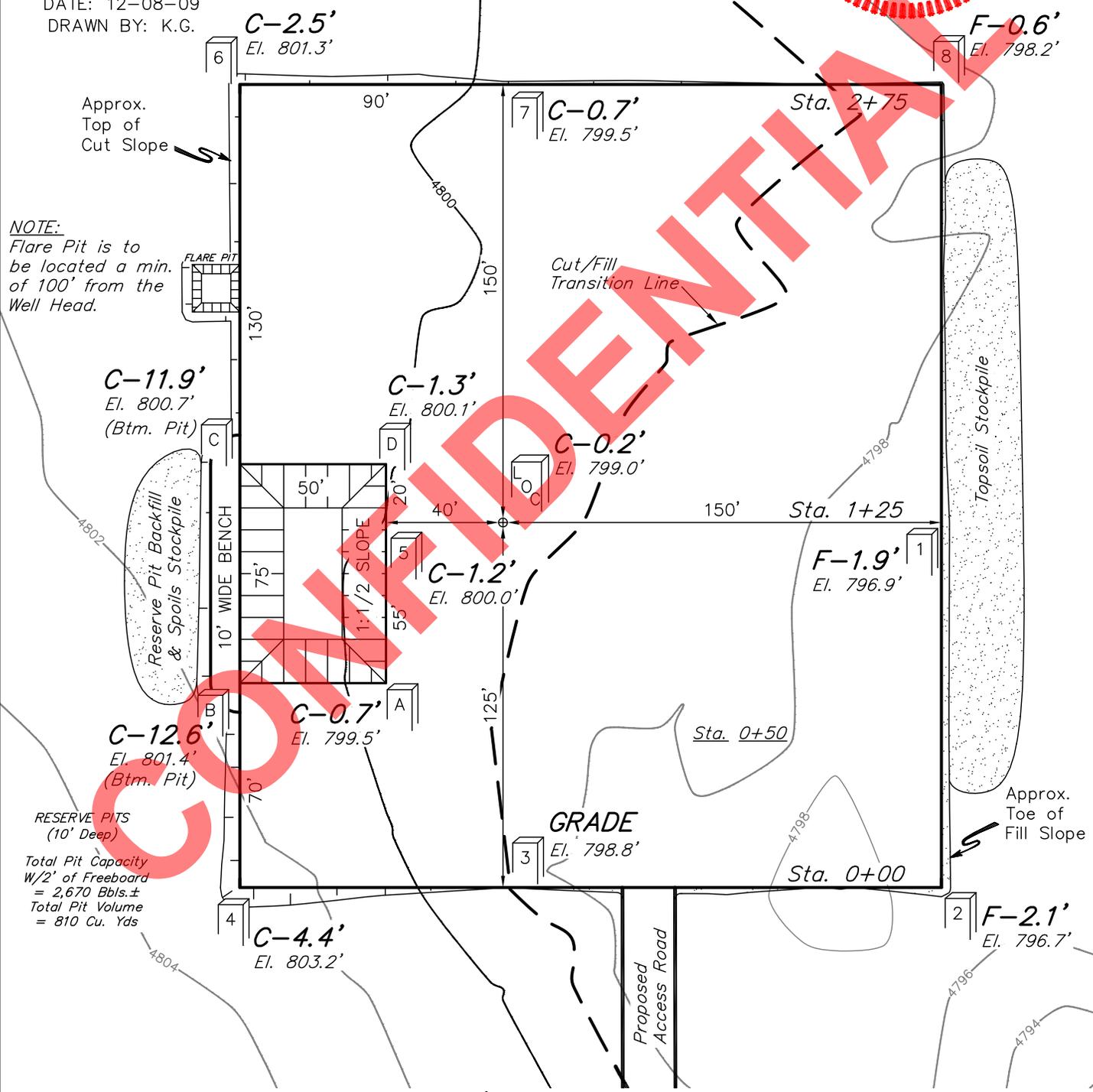
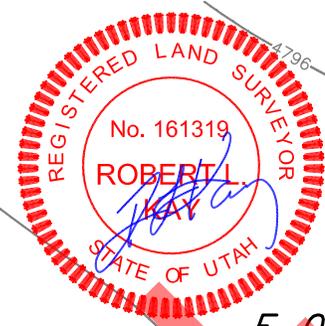
<b>LOCATION PHOTOS</b>	<b>12</b>	<b>07</b>	<b>09</b>	<b>PHOTO</b>
TAKEN BY: D.R.	MONTH	DAY	YEAR	
DRAWN BY: Z.L.	REVISED: 00-00-00			

TIDEWATER OIL & GAS, LLC  
 LOCATION LAYOUT FOR  
 TIDEWATER STATE #2-12-2219  
 SECTION 2, T22S, R19E, S.L.B.&M.  
 2465' FNL 710' FWL

FIGURE #1



SCALE: 1" = 50'  
 DATE: 12-08-09  
 DRAWN BY: K.G.



Elev. Ungraded Ground At Loc. Stake = 4799.0'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 4798.8'

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TIDEWATER OIL & GAS, LLC

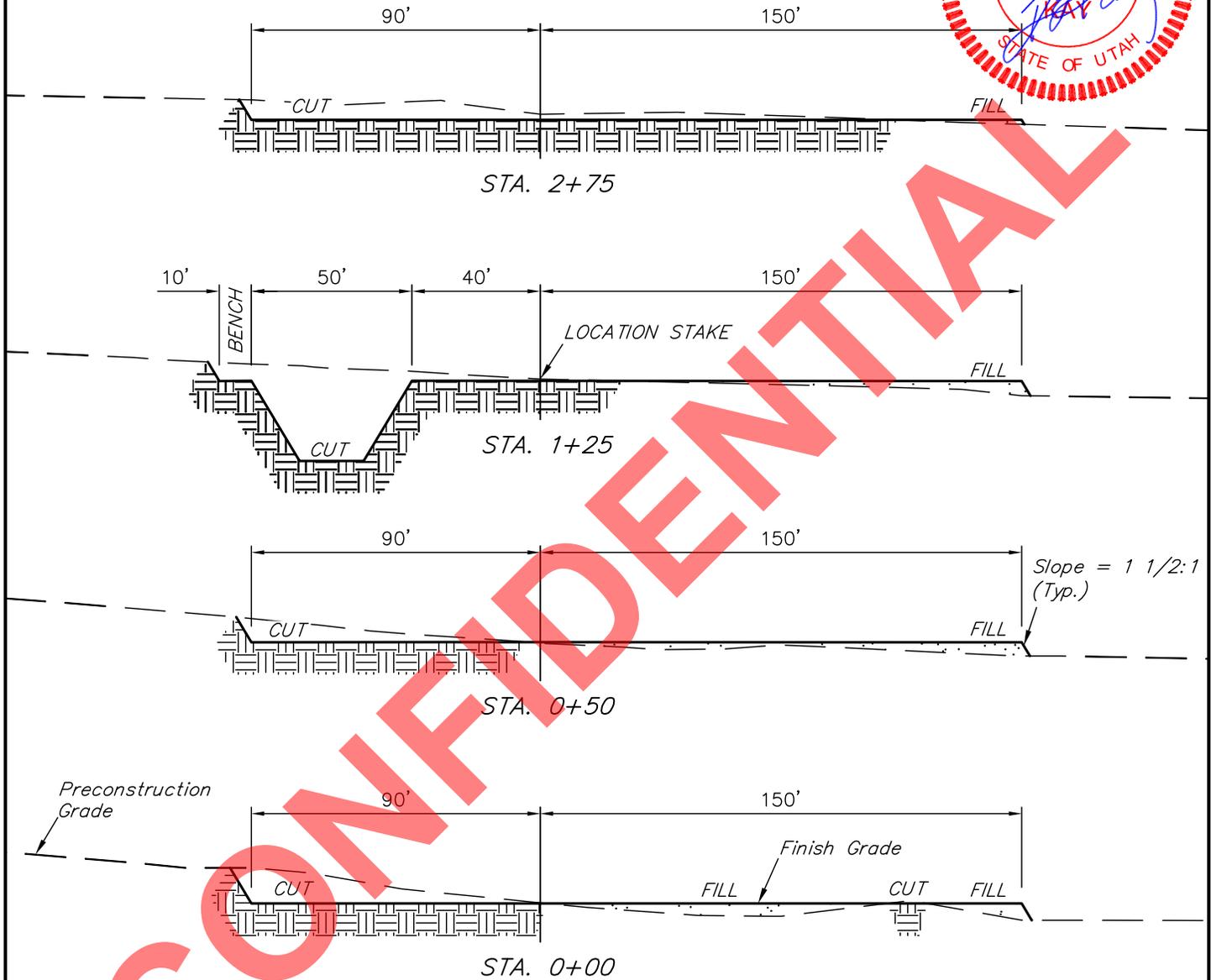
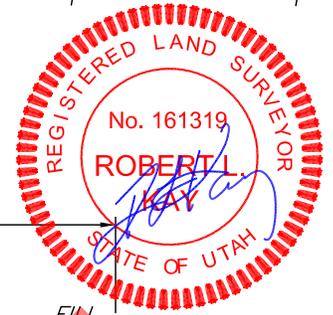
TYPICAL CROSS SECTION FOR

TIDEWATER STATE #2-12-2219  
SECTION 2, T22S, R19E, S.L.B.&M.  
2465' FNL 710' FWL

FIGURE #2

X-Section Scale  
1" = 50'

DATE: 12-08-09  
DRAWN BY: K.G.



NOTES:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 1.772 ACRES  
ACCESS ROAD DISTURBANCE = ± 6.182 ACRES  
PIPELINE DISTURBANCE = ± 2.327 ACRES  
TOTAL = ± 10.281 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,310 Cu. Yds.  
Remaining Location = 1,890 Cu. Yds.  
TOTAL CUT = 3,200 CU.YDS.  
FILL = 1,480 CU.YDS.

EXCESS MATERIAL = 1,720 Cu. Yds.  
Topsoil & Pit Backfill = 1,720 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

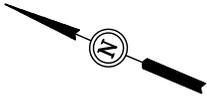
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TIDEWATER OIL & GAS, LLC

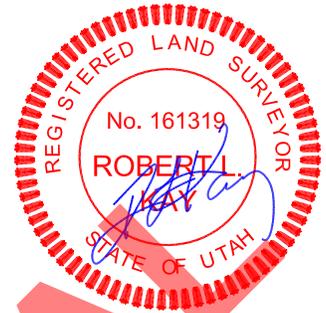
TYPICAL RIG LAYOUT FOR

TIDEWATER STATE #2-12-2219  
SECTION 2, T22S, R19E, S.L.B.&M.  
2465' FNL 710' FWL

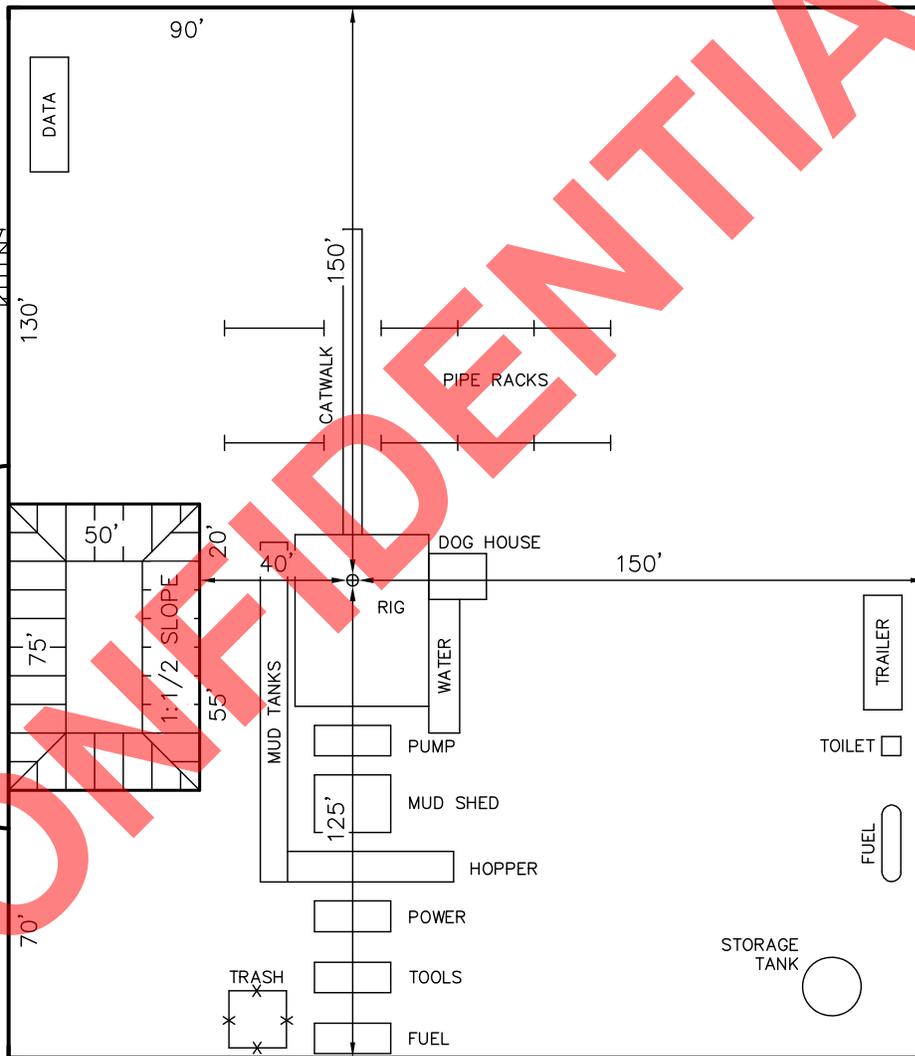
FIGURE #3



SCALE: 1" = 50'  
DATE: 12-08-09  
DRAWN BY: K.G.

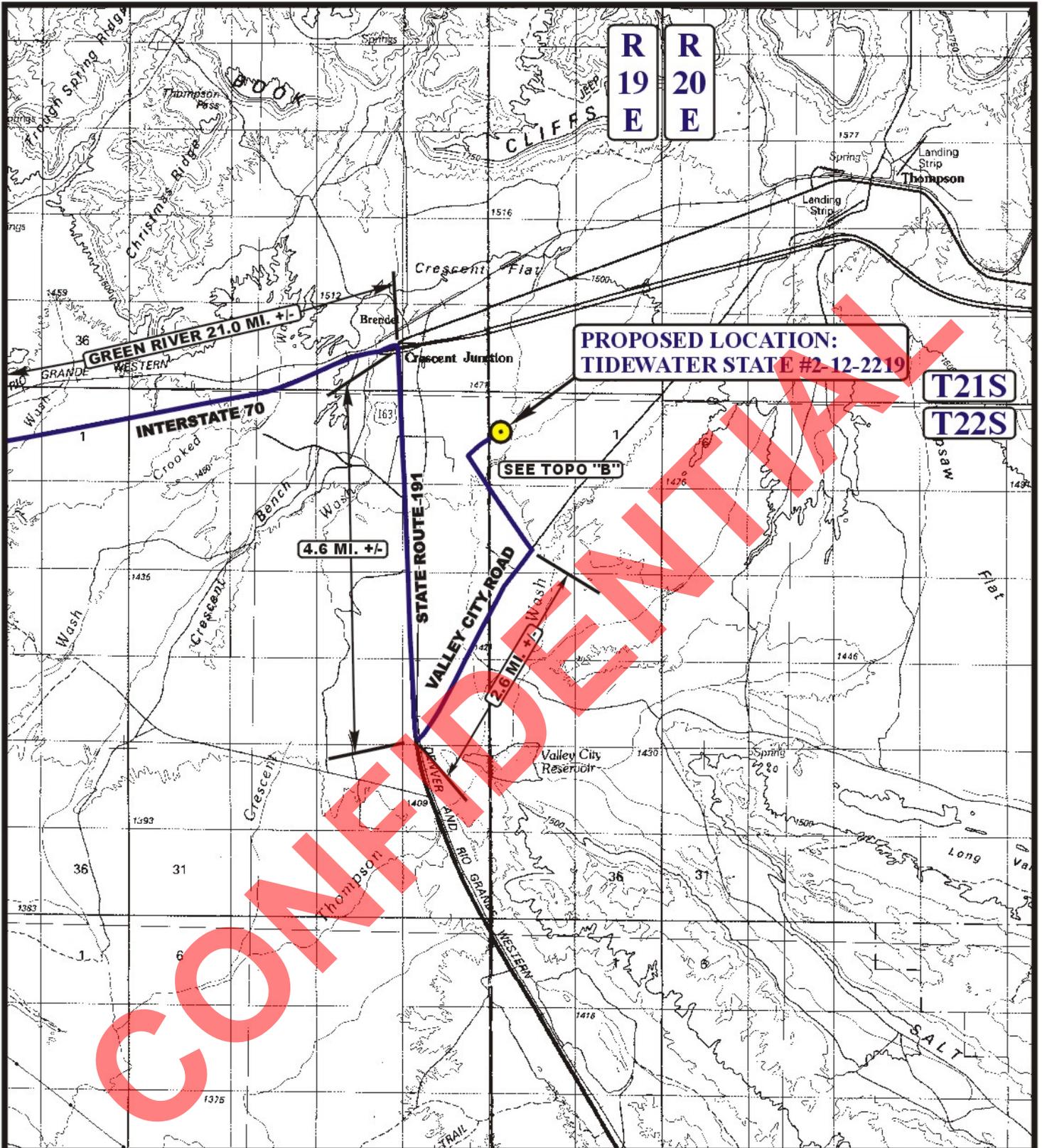


**NOTE:**  
Flare Pit is to be located a min. of 100' from the Well Head.



RESERVE PITS  
(10' Deep)

Total Pit Capacity  
W/2' of Freeboard  
= 2,670 Bbls.±  
Total Pit Volume  
= 810 Cu. Yds



**PROPOSED LOCATION:  
TIDEWATER STATE #2-12-2219**

**T21S  
T22S**

SEE TOPO "B"

4.6 MI. +/-

2.6 MI. +/-

CONFIDENTIAL

**LEGEND:**

PROPOSED LOCATION



**TIDEWATER OIL & GAS, LLC**

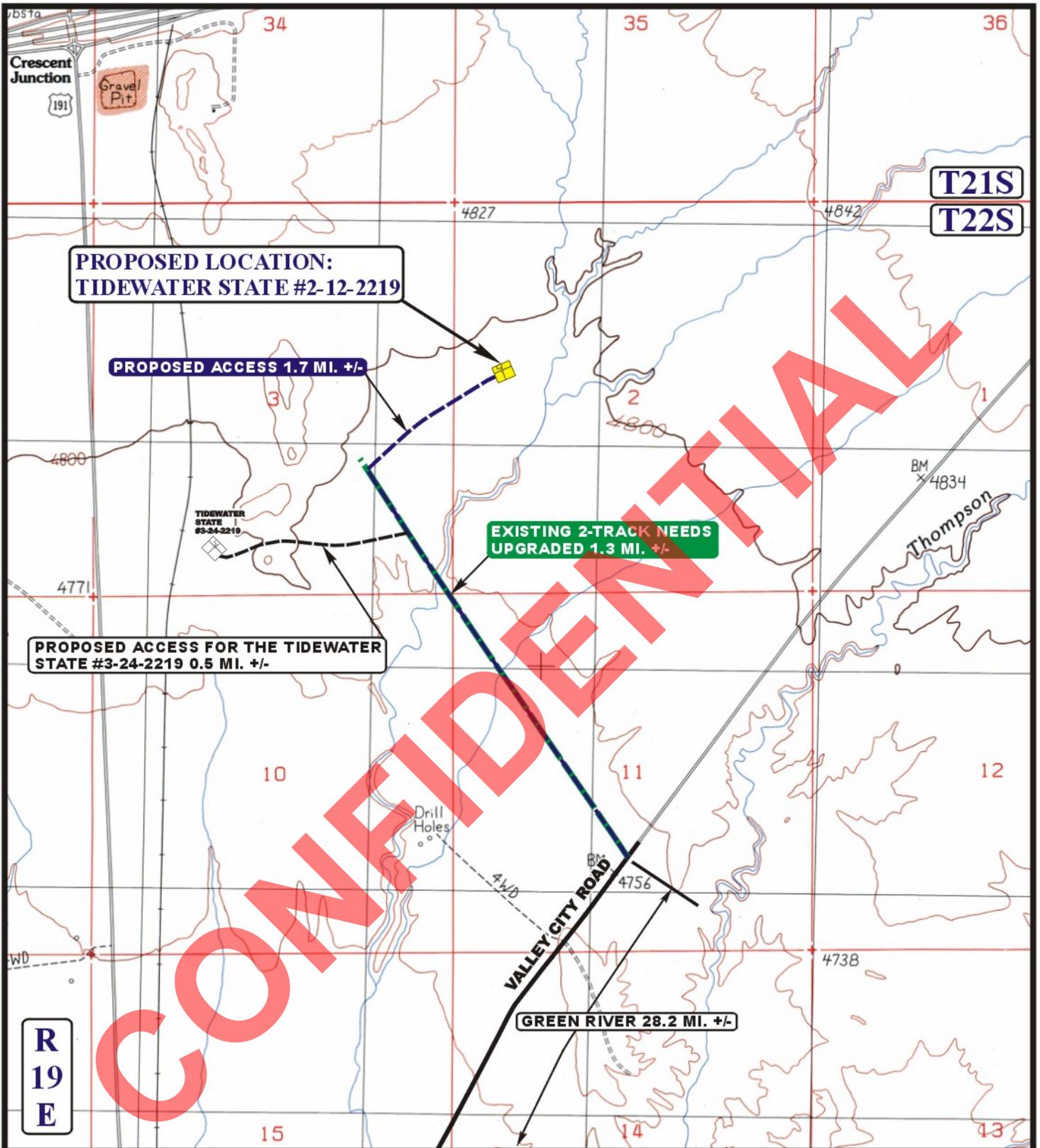
**TIDEWATER STATE #2-12-2219  
SECTION 2, T22S, R19E, S.L.B.&M.  
2465' FNL 710' FWL**



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**TOPOGRAPHIC** 12 07 09  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 00-00-00





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  EXISTING 2-TRACK NEEDS UPGRADED

**TIDEWATER OIL & GAS, LLC**

**TIDEWATER STATE #2-12-2219**  
**SECTION 2, T22S, R19E, S.L.B.&M.**  
**2465' FNL 710' FWL**



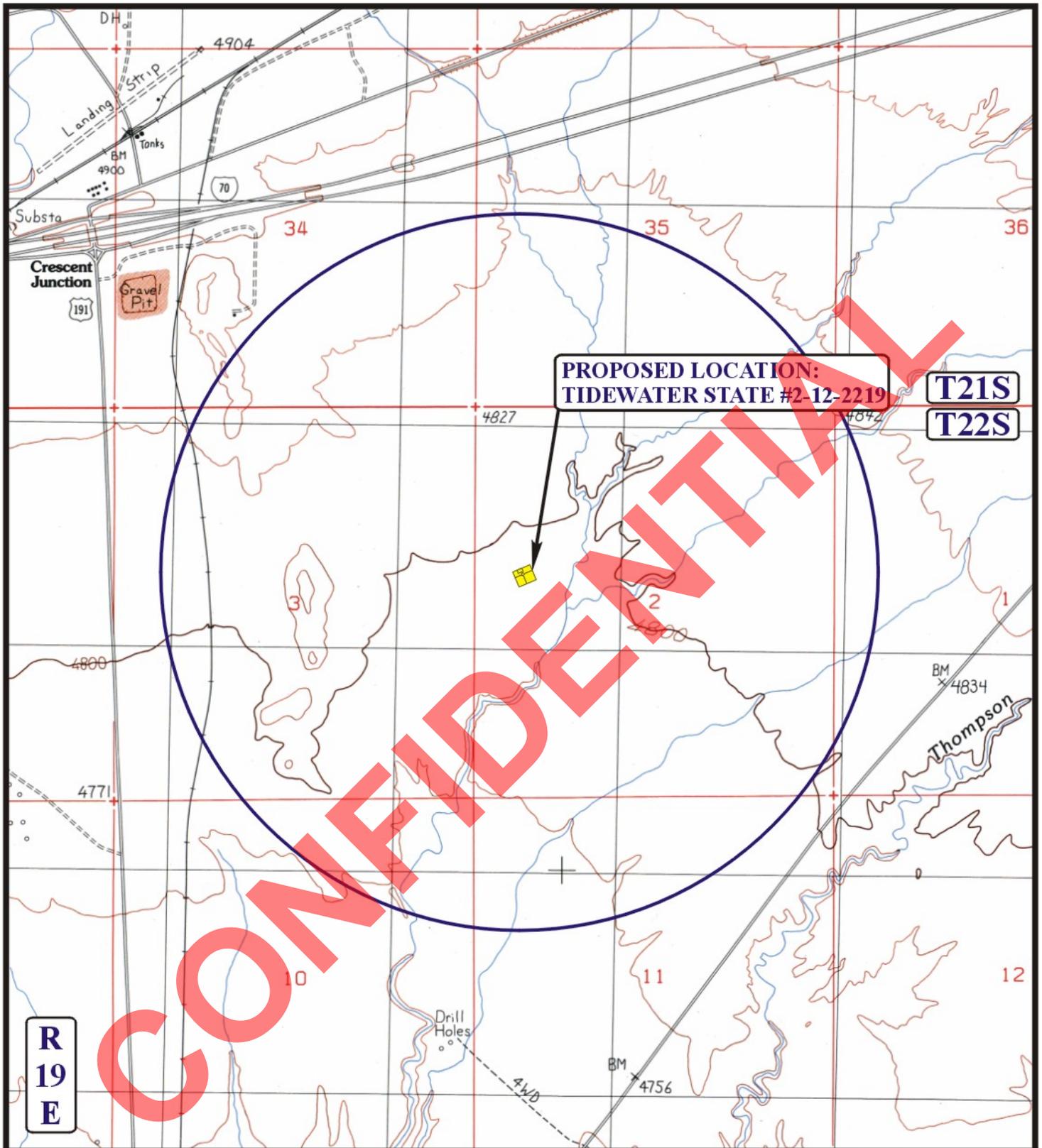
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**TOPOGRAPHIC** **12 07 09**  
**MAP** MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00

**B**  
**TOPO**



**R  
19  
E**

**T21S  
T22S**

**LEGEND:**

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

**TIDEWATER OIL & GAS, LLC**

**TIDEWATER STATE #2-12-2219  
SECTION 2, T22S, R19E, S.L.B.&M.  
2465' FNL 710' FWL**



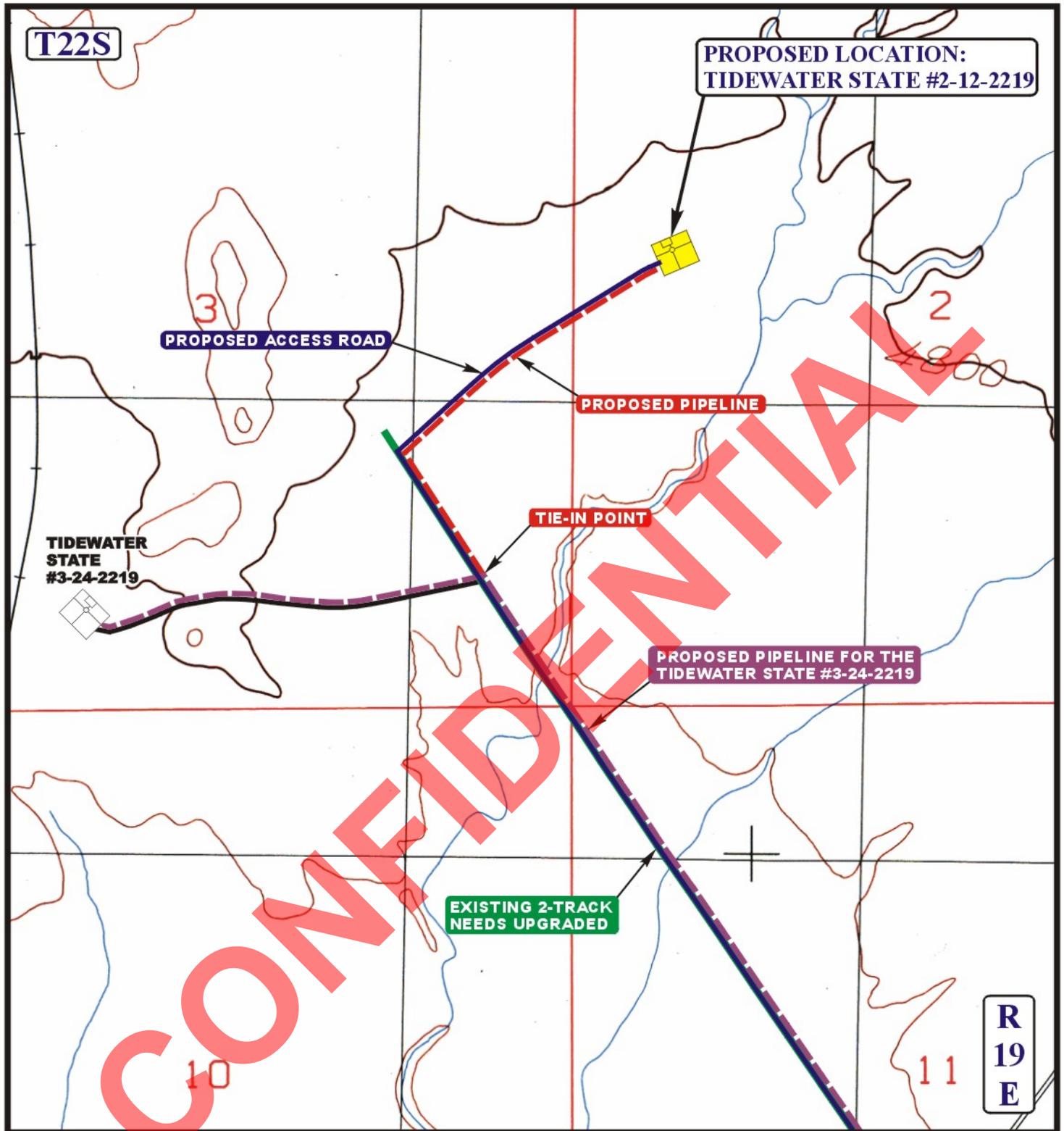
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**TOPOGRAPHIC MAP** 12 07 09  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 3,379' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  PROPOSED PIPELINE
-  EXISTING 2-TRACK NEEDS UPGRADED
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)

**TIDEWATER OIL & GAS, LLC**

**TIDEWATER STATE #2-12-2219  
SECTION 2, T22S, R19E, S.L.B.&M.  
2465' FNL 710' FWL**



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**TOPOGRAPHIC MAP** 12 07 09  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00

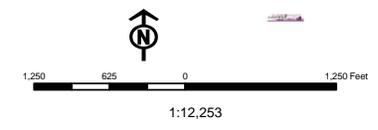
**D**  
TOPO



**API Number: 4301950008**  
**Well Name: Tidewater State 2-12-2219**  
**Township 22.0 S Range 19.0 E Section 2**  
**Meridian: SLBM**  
 Operator: TIDEWATER OIL & GAS COMPANY, LLC

Map Prepared:  
 Map Produced by Diana Mason

- |               |                                    |
|---------------|------------------------------------|
| <b>Units</b>  | <b>Wells Query</b>                 |
| <b>STATUS</b> | ✕ - all other values               |
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | OPS - Operation Suspended          |
| PP GEOTHERML  | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
| <b>Fields</b> | SGW - Shut-in Gas Well             |
| Unknown       | SOW - Shut-in Oil Well             |
| ABANDONED     | TA - Temp. Abandoned               |
| ACTIVE        | TW - Test Well                     |
| COMBINED      | WDW - Water Disposal               |
| INACTIVE      | WW - Water Injection Well          |
| STORAGE       | WISW - Water Supply Well           |
| TERMINATED    |                                    |
| Sections      |                                    |
| Township      |                                    |





**There are no features in the query area.**

**Click on the back button to try again**

Please direct questions and comments regarding the map server to: [leeschler@utah.gov](mailto:leeschler@utah.gov).

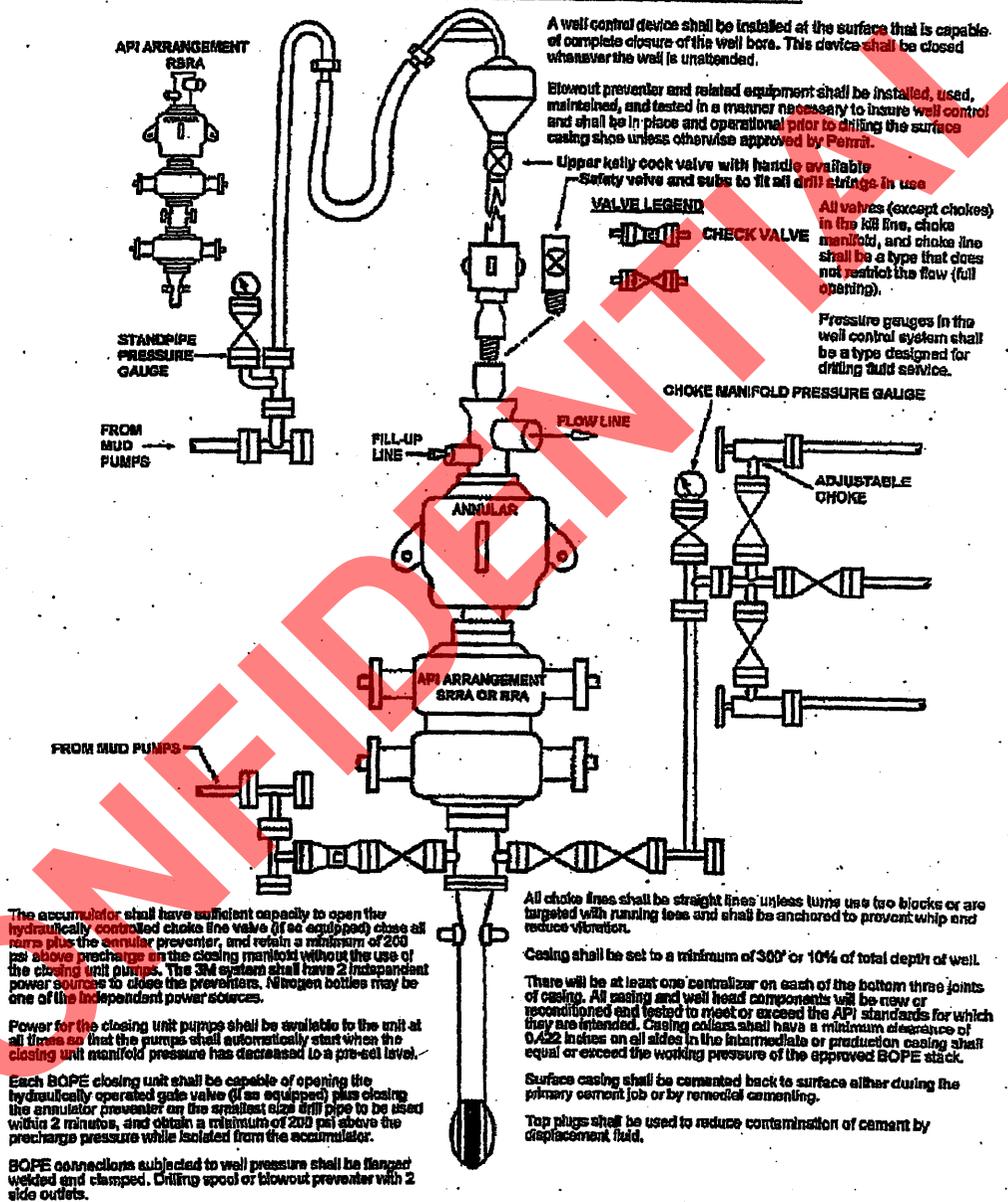
**back**

**close**

**CONFIDENTIAL**

**Tidewater State # 2-12-2219**  
**2465 FNL 710 FWL**  
**SWNW Sec 2 T22S - R19E**  
**Grand County, UT**

**Minimum Standards for Well Control Equipment 4000' to 10,000'; API 3M RRA or RSRA**



Tidewater State # 2-12-2219  
2465 FNL 710 FWL  
SWNW Sec 2 T22S - R19E  
Grand County, UT

Surface casing set and cemented to 500' will isolate and protect any potential fresh water zones encountered. Any other water or hydrocarbon bearing zones below 500' will be isolated with casing and cement when the well is cased.

**7 - Pressure Control Equipment**

Well will utilize a 3000 psi BOP. The BOP will have a pipe rams, blind rams and a hydril. A rotating head will be utilized while drilling with air. All BOPs will be tested to 3000 psi when the equipment is installed and if the integrity of the pressure control system is compromised during drilling operations.



3M CHOKER MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

Tidewater State # 2-12-2219  
2465 FNL 710 FWL  
SWNW Sec 2 T22S - R19E  
Grand County, UT

iii. 3M system:

- Annular preventers \*
- Double ram with blind rams and pipe rams \*
- Drilling spool, or blowout preventer with 2 side outlets (choke side shall be 3-inch minimum diameter, kill side shall be at least 2-inch diameter) \*
- Kill line (2 inch minimum)
- A minimum of 2 choke line valves (2 inch minimum) \*
- 3 inch diameter choke line
- 2 kill line valves, one of which shall be a check valve (2 inch minimum) \*
- 2 chokes (refer to diagram in Attachment 1)
- Pressure gauge on choke manifold
- Upper kelly cock valve with handle available
- Safety valve and subs to fit all drill string connections in use
- All BOPE connections subjected to well pressure shall be flanged, welded, or clamped \*
- Fill-up line above the uppermost preventer:

Violation: Minor (all items unless marked by asterisk).

Corrective Action: Install the equipment as specified.

Normal Abatement Period: 24 hours.

\* Violation: Major.

Corrective Action: Install the equipment as specified.

Normal Abatement Period: Prompt correction required.

**From:** Jim Davis  
**To:** Bonner, Ed; Mason, Diana  
**CC:** krista\_wilson@xtoenergy.com  
**Date:** 2/2/2011 1:52 PM  
**Subject:** APD approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

Tidewater State 2-12-2219 (4301950008)

KC 15-32E UINTAH (4304751354)

-Jim

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156

CONFIDENTIAL

Well Name	TIDEWATER OIL & GAS COMPANY, LLC Tidewater State 2-1			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	790	7900		
Previous Shoe Setting Depth (TVD)	0	790		
Max Mud Weight (ppg)	9.1	9.5		
BOPE Proposed (psi)	0	3000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	2963	7.2		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	374	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	279	NO <input type="checkbox"/> Air drill <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	200	NO <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	200	NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		790	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3903	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2955	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2165	YES <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2339	NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		790	psi *Assumes 1psi/ft frac gradient

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

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi

\*Max Pressure Allowed @ Previous Casing Shoe=

psi \*Assumes 1psi/ft frac gradient

**CONFIDENTIAL**

**From:** Earlene Russell  
**To:** Diana Mason  
**CC:** Tom Johnson; Walter Lowry  
**Date:** 3/16/2011 4:10 PM  
**Subject:** Fwd: Re: Revised Bond Info

Diana,  
Please change the lease number to ML-51885 OBA.  
Thanks.

Earlene

>>> Earlene Russell 3/14/2011 3:19 PM >>>

Hi Tom,

Please send an original Form 4B. I can work from these copies until the original gets here.

SITLA's records show a different lease number for the Tidewater State 2-12-2219.

Please have Walt submit a correction on the lease number ML-51885 OBA and bond number 394312648337.

Thanks.

Earlene

>>> "Tom Johnson" <TJohnson@tidewater-oil.com> 3/14/2011 2:21 PM >>>

Earlene,

Please review the attached. Do you only need the original Form 4B?

Or would you like anything additional.

Thank you

Tom Johnson

Tidewater Oil & Gas Company, LLC

720-881-7344

**Tom Johnson**

*Office Manager*

**Tidewater Oil & Gas Company, LLC.**

110 16th Street

Suite 405

Denver CO 80202

Tel: 303-468-0656 x204

Fax: 303-534-1022

TJohnson@tidewater-oil.com

www.tidewater-oil.com

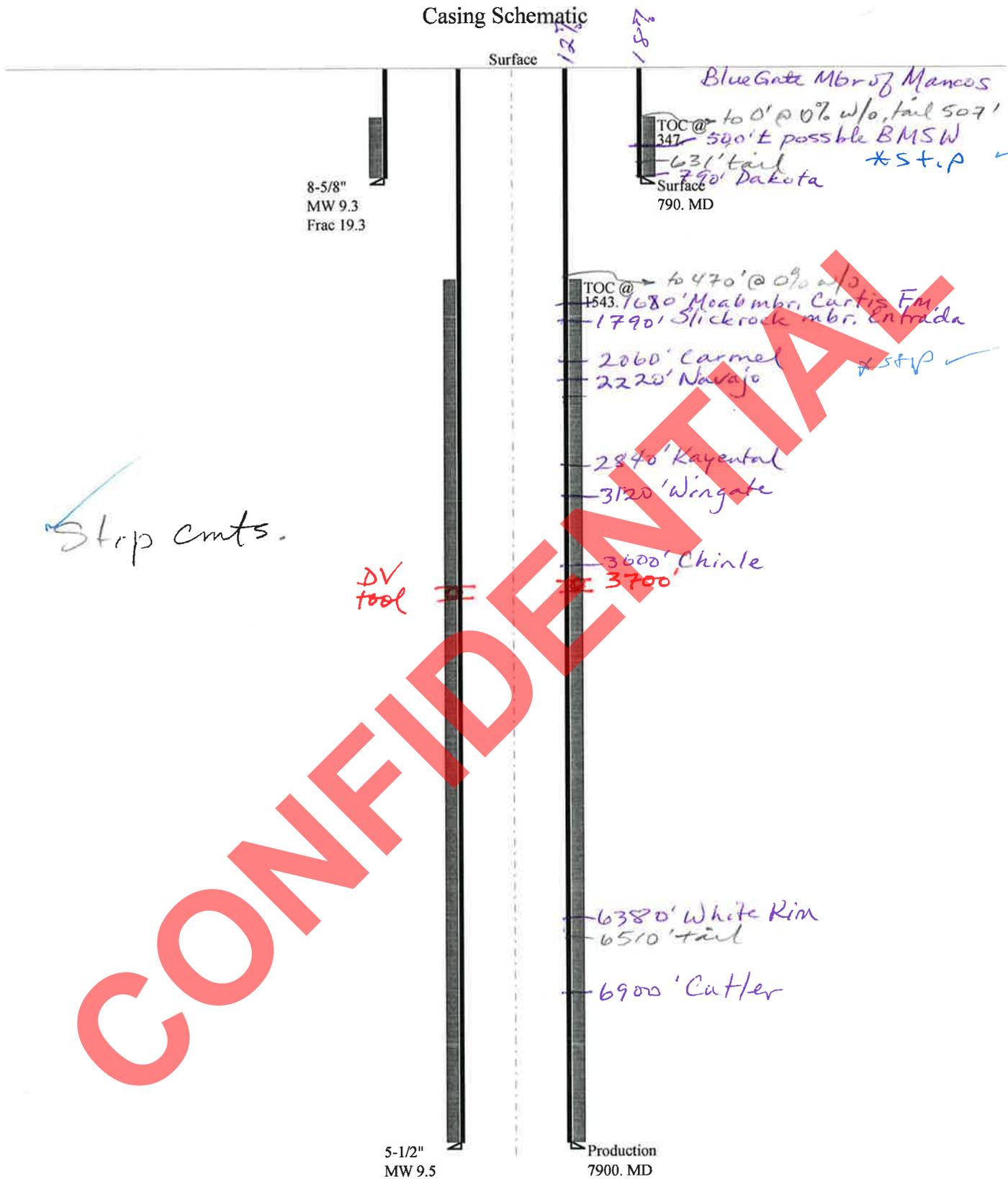
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**CONFIDENTIAL**

# 43019500080000 Tidewater State 2-12-2219

## Casing Schematic



Well name:	<b>43019500080000 Tidewater State 2-12-2219</b>	
Operator:	<b>TIDEWATER OIL &amp; GAS COMPANY, LLC</b>	
String type:	Surface	Project ID: 43-019-50008
Location:	GRAND COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 9.300 ppg  
Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 695 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP: 790 psi  
  
No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
Neutral point: 680 ft

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 85 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 347 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,900 ft  
Next mud weight: 9.500 ppg  
Next setting BHP: 3,899 psi  
Fracture mud wt: 19,250 ppg  
Fracture depth: 790 ft  
Injection pressure: 790 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	790	8.625	24.00	J-55	ST&C	790	790	7.972	4067
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	382	1370	3.590	790	2950	3.73	19	244	12.87 J

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

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

Date: March 3, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 790 ft, a mud weight of 9.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>43019500080000 Tidewater State 2-12-2219</b>		
Operator:	<b>TIDEWATER OIL &amp; GAS COMPANY, LLC</b>		
String type:	Production	Project ID:	43-019-50008
Location:	GRAND COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 9.500 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 2,161 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 3,899 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 6,762 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 185 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: 1,543 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7900	5.5	17.00	N-80	LT&C	7900	7900	4.767	44526
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3899	6290	1.613	3899	7740	1.99	134.3	348	2.59 J

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

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

Date: March 3, 2011  
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7900 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**Helen Sadik-Macdonald - Re: Application For Permit to Drill Sent Back for Revisions**

---

**From:** <LSPermitco@aol.com>  
**To:** <hmacdonald@utah.gov>  
**Date:** 6/22/2010 8:19 PM  
**Subject:** Re: Application For Permit to Drill Sent Back for Revisions

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Thank you for the notification. We are no longer working for Tidewater.

Lisa Smith

PermitCo Inc.  
PO Box 99  
Eastlake, CO 80614

303-857-9999 x 10 (work)  
303-450-9200 (fax)  
303-324-9350 (cell)

**CONFIDENTIAL**

**From:** <hmacdonald@utah.gov>  
**To:** <LSpermitco@aol.com>  
**CC:** <jjones@tidewater-oil.com>, <hmacdonald@utah.gov>, <dustindoucet@utah.gov>  
**Date:** 6/22/2010 5:41 PM  
**Subject:** Application For Permit to Drill Sent Back for Revisions

APD Number: 2225  
Well Name: Tidewater State 2-12-2219  
Operator: TIDEWATER OIL & GAS COMPANY, LLC  
Problems: Surf csg depth

On April 21, 2010 I e-mailed a request to deepen surface csg to 790' to be 10% of TD. I have not had a response from your office.

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# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** TIDEWATER OIL & GAS COMPANY, LLC  
**Well Name** Tidewater State 2-12-2219  
**API Number** 43019500080000      **APD No** 2225      **Field/Unit** WILDCAT  
**Location: 1/4,1/4** SWNW      **Sec** 2      **Tw** 22.0S      **Rng** 19.0E      2465      **FNL** 710      **FWL**  
**GPS Coord (UTM)**      **Surface Owner**

### Participants

Bart Kettle-Division of Oil, Gas and Mining (DOG M), Ed Bonner-Trust Lands Administration (SITLA), Nicole Nielson-Division of Wildlife Resources (DWR) and Walt Lowery-Tidewater Oil and Gas LLC

### Regional/Local Setting & Topography

Proposed project site is located roughly 5 miles southwest of the town of Thompson Springs, in Grand County Utah. Annual precipitation is 6-8", vegetation is sparse at the project site, but would be described as salt scrub rangelands. Topography immediately adjacent to the project site is gently rolling clay flats. Drainage is to the south entering the Green River within 20 miles. No perennial water was observed in close proximity to the proposed project site. Drainages in the immediate area are ephemeral in nature, being dry throughout a majority of the year. On a regional setting the project is located in the Cisco Desert at the base of the Bookcliffs, a region known for its harsh growing conditions due to low precipitation, and poorly developed salty soils. I-70, Hwy 191, east bound Crescent Junction rest area, DOE uranium tailings transfer site and Union Pacific train tracks are all located in close proximity to the proposed project.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Wildlife Habitat

#### **New Road Miles**

1.7

#### **Well Pad**

**Width** 250      **Length** 275

#### **Src Const Material**

#### **Surface Formation**

MNCS

#### **Ancillary Facilities**

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

##### **Flora**

Grass: Curly galleta, Indian Rice grass

Forbs: Globe mallow, desert plantain, halogeton, Russian thistle

Shrubs: Spiny hopsage, black greasewood, Mormon tea, broom snakeweed, four wing salt brush.

#### **Soil Type and Characteristics**

Light brown Sandy Loam

#### **Erosion Issues** Y

Soils prone to accelerated erosion form overland water flows

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

Reseeding following construction should be sufficient to stabilize site.

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0	
<b>Distance to Surface Water (feet)</b>	>1000	0	
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0	
<b>Distance to Other Wells (feet)</b>	>1320	0	
<b>Native Soil Type</b>	Mod permeability	10	
<b>Fluid Type</b>	Fresh Water	5	
<b>Drill Cuttings</b>	Normal Rock	0	
<b>Annual Precipitation (inches)</b>		0	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
<b>Final Score</b>		15	2 Sensitivity Level

**Characteristics / Requirements**

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 12 **Pit Underlayment Required?** N

**Other Observations / Comments**

Farm out exploration due to expire in June 2010 per conversation with company representatives.

Bart Kettle  
Evaluator

12/22/2009  
Date / Time

# Application for Permit to Drill

## Statement of Basis

4/7/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
2225	43019500080000	LOCKED	OW	S	No
<b>Operator</b>	TIDEWATER OIL & GAS COMPANY, LLC		<b>Surface Owner-APD</b>		
<b>Well Name</b>	Tidewater State 2-12-2219		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNW 2 22S 19E S 2465 FNL 710 FWL		GPS Coord (UTM)	604575E	4309340N

### Geologic Statement of Basis

Significant volumes of high quality ground water are unlikely to be encountered in the bedrock at this location. A poorly permeable soil is likely to be developed on the Quaternary Alluvium covering the Upper Portion of the Blue Gate Member of the Mancos Shale. It is uncertain what quality water is likely to be encountered in permeable Mesozoic and upper Paleozoic sandstones found below the Mancos Shale. These are prognosticated to be rather close to the surface - the uppermost at about 500' TD. It is possible that some of the connate waters could be of high quality because of recharge on the Salt Valley Anticline, which is about two to three miles south, although most likely they are saline as documented in the area of the old Crescent Junction Oil Field. The area is significantly faulted. The proposed casing and cementing program should adequately isolate any zones of fresh water that may be penetrated. No underground water rights are filed inside the one mile search radius.

Chris Kierst  
APD Evaluator

1/14/2010  
Date / Time

### Surface Statement of Basis

Presite evaluation completed December 22, 2009. In attendance: Bart Kettle-Division of Oil, Gas and Mining (DOGM), Ed Bonner-Trust Lands Administration (SITLA), Nicole Nielson-Division of Wildlife Resources (DWR) and Walt Lowery-Tidewater Oil and Gas LLC. Invited and choosing not to attend: Liz Thomas-Southern Utah Wilderness Alliance (SUWA), Bill Jackson-Grand County Roads.

Per DWR proposed project area is located within antelope fawning grounds. One small group of antelope where observed at the time of presite evaluation. DWR is recommending drilling operations not occur between April 15-June 15. A single Ferruginous Hawk nest is located over a mile north of the proposed project site. Burrowing Owls have been observed in proximity to the proposed project site. Whitetail prairie dog mounds where observed within the project area.

Several intermittent wash crossing were observed along proposed access road. Per standards found in SITLA's Standards for Construction of Oil & Gas Roads on Utah Trust Lands "for intermittent drainages, low water crossings are preferred to culverts. As such, wash crossings shall be low water crossings with the discharge portions of crossings rip rapped with rock sufficient in size to dissipate energy flows of a ten year storm event.

Soils observed along the access road will require frequent fresh water applications to prevent break up of road surface and powdering of soils in periods of hot dry conditions. In the event drilling activities are planned during the spring break up period from February 15-April 15 it is recommended that a 2% crown be built according to road Standards for the Exploration Phase for Utah Trust Lands.

Drilling activities will be visible from both I-70 and Us 191, as such it is reasonable to expect scrutiny from the general public. Operations should be maintained in a workmen like manner to prevent unnecessary negative perception towards oil and gas exploration.

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

4/7/2011

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

Page 2

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Bart Kettle  
Onsite Evaluator

12/22/2009  
Date / Time

**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Access road shall be built per requirements found in Standards for Construction of Oil & Gas Roads on Utah Trust Lands

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 12/10/2009

**API NO. ASSIGNED:** 43019500080000

**WELL NAME:** Tidewater State 2-12-2219

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

**PHONE NUMBER:** 303 884-5505

**CONTACT:** Walter Lowry

**PROPOSED LOCATION:** SWNW 02 220S 190E

**Permit Tech Review:**

**SURFACE:** 2465 FNL 0710 FWL

**Engineering Review:**

**BOTTOM:** 2465 FNL 0710 FWL

**Geology Review:**

**COUNTY:** GRAND

**LATITUDE:** 38.92862

**LONGITUDE:** -109.79359

**UTM SURF EASTINGS:** 604575.00

**NORTHINGS:** 4309340.00

**FIELD NAME:** WILDCAT

**LEASE TYPE:** 3 - State

**LEASE NUMBER:** ML-51885 OBA

**PROPOSED PRODUCING FORMATION(S):** CUTLER

**SURFACE OWNER:** 3 - State

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
- Bond: STATE/FEE - 394312648337
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Dalbo, Inc.
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

**Commingling Approved**

**LOCATION AND SITING:**

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

**Comments:** Presite Completed  
SALT VLY ANTICLINE U NON COMMITTED:

**Stipulations:** 5 - Statement of Basis - bhll  
9 - Cement casing to Surface - hmacdonald  
23 - Spacing - dmason  
25 - Surface Casing - hmacdonald



**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 State 2-12-2219  
**API Well Number:** 43019500080000  
**Lease Number:** ML-51885 OBA  
**Surface Owner:** STATE  
**Approval Date:** 4/7/2011

**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 R649-3-2. The expected producing formation or pool is the CUTLER 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:**

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.

The cement volumes for the 5 1/2" casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface as stated in drill plan.

Surface casing shall be cemented to the surface.

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

**Additional Approvals:**

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

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

**Notification Requirements:**

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

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

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

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

**Reporting Requirements:**

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

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

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: TIDEWATER OIL & GAS COMPANY, LLC

Well Name: TIDEWATER STATE 2-12-2219

Api No: 43-019-50008 Lease Type STATE

Section 02 Township 22S Range 19E County GRAND

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

**SPUDDED:**

Date 04/25/2011

Time 01:45 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by WALT LOWRY

Telephone # (303) 884-5505

Date 04/27/2011 Signed CHD

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

**ENTITY ACTION FORM**

Operator: Tidewater Oil & Gas Company LLC  
Address: 110 - 16th St Suite # 405  
city Denver  
state CO zip 80202

Operator Account Number: N 3000  
Phone Number: (720) 881-7344

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301950008	Tidewater state # 2-12-2219		SWNW	2	22S	19E	Grand
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18024	4/29/2011		4/28/11		
Comments: <u>CTLR</u>							<b>CONFIDENTIAL</b>

**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:							<b>RECEIVED</b>

**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)

APR 26 2011  
DIV. OF OIL, GAS & MINING

Walter Lowry  
Name (Please Print)  
X [Signature]  
Signature  
Agent  
Title  
Date 4/26/2011

**Carol Daniels - Re: Request for approval to weld temporary plate over top of surface casing on Tidewater State 2-12-2219**

**From:** Dustin Doucet  
**To:** Daniels, Carol; Jarvis, Dan; Kettle, Bart; Lowry, Walt  
**Date:** 4/27/2011 5:45 PM  
**Subject:** Re: Request for approval to weld temporary plate over top of surface casing on Tidewater State 2-12-2219  
**CC:** Johnson, Tom; Jones, James

43 019 50008  
22S 19E 2

I don't see any problem with your request from my end of things.

Dustin K. Doucet  
Petroleum Engineer  
Utah Division of Oil, Gas and Mining  
Oil and Gas Program  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

Phone: (801) 538-5281  
fax: (801) 359-3940  
email: [dustindoucet@utah.gov](mailto:dustindoucet@utah.gov)

>>> "Walt Lowry" <[wlowry@tidewater-oil.com](mailto:wlowry@tidewater-oil.com)> 4/27/2011 1:06 AM >>>  
Good Morning-

The purpose of this email communication is two-fold.

First, Tidewater desires to inform you of its intent to release the Leon Ross Drilling surface hole drilling equipment from the referenced well after 790' of surface casing has been successfully set and cemented to surface. Once the rig is released, Tidewater intends to leave the well and location in its "as is" condition until a larger drilling rig can be contracted to drill the 7-7/8" production hole from 790' to the permitted TD of 7900'. Pursuant to Tidewater's OBA agreement with the State & Institutional Trust Lands Administration, it is Tidewater's understanding that operations with a drilling rig capable of drilling the referenced well to its permitted depth must be commenced on or before July 29, 2011. It is Tidewater's intent to commence such operations with a suitable drilling rig as soon as it is able to procure such a rig, but not later than the aforementioned date.

Second, since the well will be sealed with cement in the 12-1/4" x 8-5/8" annulus from TD of the surface hole (~790' BGL) to surface, and will further be sealed on the inside of the surface casing by a float shoe, a shoe joint full of cement, a float collar, and a column of fresh water above the float collar to surface, Tidewater seeks the UDOGM's approval to weld a steel plate

over the top of the 8-5/8" casing, in lieu of installing and welding on a bradenhead, until a suitable drilling rig is contracted to drill the well to TD. Once a drilling rig is contracted and a MIRU date is set, Tidewater will remove the steel plate and weld on and test the appropriate bradenhead at the depth required for the selected rig's BOPE configuration and height. Tidewater is confident that this request meets or exceeds all safety requirements and concerns, as the well is normally pressured. In addition, since a rig has not been selected, the setting depth of the top flange of the bradenhead is uncertain, and it would be difficult to modify once the head has been welded on.

Since Tidewater is anticipating spud of the referenced well later this morning, and running and cementing surface casing on the well for later this evening, time is of the essence in obtaining your approval of this proposal. I will place a call to the appropriate UDOGM personnel (Dustin Doucet, I presume) later this morning in order to discuss Tidewater's request and to seek your verbal approval. Once verbal approval of Tidewater's request, or a modification thereof, is granted, we will timely prepare the appropriate Sundry Notice(s), Monthly Status Report(s), and Request to Change Plans forms (if required) to document the approved request.

Thank you for your time and consideration on this matter.

Regards,

Walt Lowry



**Walt Lowry**  
*Engineer*

**Tidewater Oil & Gas Company, LLC.**  
110 16th Street  
Suite 405  
Denver CO 80202

Tel: (303) 884-5505  
Fax: 303-534-1022

[wlowry@tidewater-oil.com](mailto:wlowry@tidewater-oil.com)

[www.tidewater-oil.com](http://www.tidewater-oil.com)

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**Carol Daniels - Request for approval to weld temporary plate over top of surface casing on Tidewater State 2-12-2219**

**From:** "Walt Lowry"  
**To:** , , "Carol Daniels" ,  
**Date:** 4/27/2011 1:03 AM  
**Subject:** Request for approval to weld temporary plate over top of surface casing on Tidewater State 2-12-2219  
**CC:** "James Jones" , "Tom Johnson" , "Walt Lowry"

RECEIVED

APR 27 2011

Good Morning-

DIV. OF OIL, GAS &amp; MINING

The purpose of this email communication is two-fold.

First, Tidewater desires to inform you of its intent to release the Leon Ross Drilling surface hole drilling equipment from the referenced well after 790' of surface casing has been successfully set and cemented to surface. Once the rig is released, Tidewater intends to leave the well and location in its "as is" condition until a larger drilling rig can be contracted to drill the 7-7/8" production hole from 790' to the permitted TD of 7900'. Pursuant to Tidewater's OBA agreement with the State & Institutional Trust Lands Administration, it is Tidewater's understanding that operations with a drilling rig capable of drilling the referenced well to its permitted depth must be commenced on or before July 29, 2011. It is Tidewater's intent to commence such operations with a suitable drilling rig as soon as it is able to procure such a rig, but not later than the aforementioned date.

Second, since the well will be sealed with cement in the 12-1/4" x 8-5/8" annulus from TD of the surface hole (~790' BGL) to surface, and will further be sealed on the inside of the surface casing by a float shoe, a shoe joint full of cement, a float collar, and a column of fresh water above the float collar to surface, Tidewater seeks the UDOGM's approval to weld a steel plate over the top of the 8-5/8" casing, in lieu of installing and welding on a bradenhead, until a suitable drilling rig is contracted to drill the well to TD. Once a drilling rig is contracted and a MIRU date is set, Tidewater will remove the steel plate and weld on and test the appropriate bradenhead at the depth required for the selected rig's BOPE configuration and height. Tidewater is confident that this request meets or exceeds all safety requirements and concerns, as the well is normally pressured. In addition, since a rig has not been selected, the setting depth of the top flange of the bradenhead is uncertain, and it would be difficult to modify once the head has been welded on.

Since Tidewater is anticipating spud of the referenced well later this morning, and running and cementing surface casing on the well for later this evening, time is of the essence in obtaining your approval of this proposal. I will place a call to the appropriate UDOGM personnel (Dustin Doucet, I presume) later this morning in order to discuss Tidewater's request and to seek your verbal approval. Once verbal approval of Tidewater's request, or a modification thereof, is granted, we will timely prepare the appropriate Sundry Notice(s), Monthly Status Report(s), and

Request to Change Plans forms (if required) to document the approved request.

Thank you for your time and consideration on this matter.

Regards,

Walt Lowry



**Walt Lowry**  
*Engineer*

**Tidewater Oil & Gas Company, LLC.**  
110 16th Street  
Suite 405  
Denver CO 80202

Tel: (303) 884-5505  
Fax: 303-534-1022

[wlowry@tidewater-oil.com](mailto:wlowry@tidewater-oil.com)

[www.tidewater-oil.com](http://www.tidewater-oil.com)

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<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> ML-51885 OBA
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> TIDEWATER STATE 2-12-2219
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC	<b>9. API NUMBER:</b> 43019500080000
<b>3. ADDRESS OF OPERATOR:</b> 110 16th St Ste 1220 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 468-0656 Ext 201
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2465 FNL 0710 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 02 Township: 22.0S Range: 19.0E 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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/31/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" 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 checked="" 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: <span style="border: 1px solid black; padding: 2px;">Modify prod csg depth</span>
<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:			

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

Pursuant to analysis of openhole logs, it is Tidewater's intent to plug this well back to a depth of 3500' and run 5-1/2" 17.0 ppf HCP-110 LTC production casing to a depth of 3400' MD. MD. The well reached a total depth of 6502' at 1100 hrs on 08/29/2011. The well was subsequently logged. Based on log analysis and geologing interp[retation Tidewater decided to abandon the lower portion of the well from 3400' to 6502'. As such Tidewater hereby submits its NOI to plug back as follows: Plug #1- Tidewater proposes a 300' cement plug from 6502'- 6200' using Howco PlugCem mixed at 15.8 ppg & 1.15 cf/sx yield. Volume to be calc @ 10% over caliper. Plug #2: 250' plug (100' below & 150' above Wingate top @ 3652') f/ 3750'-3500' using Howco PlugCem mixed at 15.8 ppg & 1.15 cf/sx yield. Volume to be calc @ 10% over caliper. Verbal approval from D. Doucet at 1811 hrs on 08-30-2011.

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

Date: 09/20/2011  
By: *Derek Doucet*

<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> 8/31/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-51885 OBA
<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>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> TIDEWATER STATE 2-12-2219
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>9. API NUMBER:</b> 43019500080000
<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> 2465 FNL 0710 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 02 Township: 22.0S Range: 19.0E 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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/2/2011	<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 type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Attached are the daily drilling reports for the referenced well. This well was originally spud on 04/28/2011 and 813' of 8-5/8" surface casing was set on 04/30/2011. Operations were then temporarily suspended until an appropriate drilling rig was contracted to drill the well to the permitted depth of 7900'. CapStar Rig #315 was moved in and rigged up and commenced drilling to a total depth of 6502' MD and the well was then logged, plugged back to 3676', and 5-1/2" production casing was run to 3472'. CapStar Rig #315 was released at 2000 hours on 09/02/2011.</p>		
<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> 12/29/2011

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

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/21/11

Report Time: 1700 hrs

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: Tidewater State 2-12-2219 API 43-019-50008

Location: 2465' FSL, 710' FWL

Contractor: K-SUE Type: Vertical Elev 4799' graded

SWNW Sec 2, T22S, R19E

Rig #: Target: White Rim- Cutler

Grand County, Utah

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

**Summary:** Commence building access road and location. Prepare to level location tomorrow. Anticipate completion of road, location, and reserve pit by Monday afternoon (4/25/2011). K-Sue Construction out of Moab, Utah was the successful bidder for location construction. Their bid is a lump sum bid of \$26,000 not including the pit liner. Mike Davis out of Green River is supervising the location construction. A 500 bbl frac tank has been ordered. 850' of 8-5/8" 24.0 ppf J55 STC surface casing to be delivered next week. The conductor hole will be drilled Monday and conductor casing will be set Tuesday 4/26/2011. The surface casing rig will road on Wednesday 4/27/2011 and spud the 12-1/4" surface hole on Thursday 4/28/2011. The surface casing should be cemented by Saturday morning 04/30/2011. Cost of State Bond- \$30,000. Permit costs- Permitco & Uintah: \$5310

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

Cum Cost:

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 Assmby		

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:	
									Repair:	Other:	Footage:	Daywork:
Today:												0
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/22/11

Report Time: 1700 hrs

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API 43-019-50008

Location: **2465' FSL, 710' FWL**

Contractor: **K-SUE**

Type: **Vertical Elev 4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #:

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation: <b>Building road and location</b>	Days From Spud:	Current Depth: <b>NA</b>	24 Hour Footage: <b>0</b>	Hole Condition: <b>NA</b>	Hole Problems: <b>NA</b>
---------------------------------------------------------	-----------------	-----------------------------	------------------------------	------------------------------	-----------------------------

**Summary:** Building access road & location.

**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:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	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	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 Assmby		

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: 04/23/11  
Report Time: 1700 hrs

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

State: ML51885  
Lease: OBA  
Field: Wildcat

Well Name: Tidewater State 2-12-2219 API 43-019-50008

Location: 2465' FSL, 710' FWL

Contractor: K-SUE Type: Vertical Elev 4799' graded

SWNW Sec 2, T22S, R19E

Rig #: Target: White Rim- Cutler

Grand County, Utah

Current Operation: <u>Building road and location</u>	Days From Spud:	Current Depth: <u>NA</u>	24 Hour Footage: <u>0</u>	Hole Condition: <u>NA</u>	Hole Problems: <u>NA</u>
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**Summary:** Building access road & location.

**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:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	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	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 Assmby		

To Time:	Hours:	OPERATIONS								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			
<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:		
									Repair:	Other:	Footage:	Daywork:	
Today:												<b>0</b>	
Cum.:													

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/24/11

Report Time: 1700 hrs

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

State: ML51885

Lease: OBA

Field: Wildcat

Well Name: Tidewater State 2-12-2219 API 43-019-50008

Location: 2465' FSL, 710' FWL

Contractor: K-SUE Type: Vertical Elev 4799' graded

SWNW Sec 2, T22S, R19E

Rig #: Target: White Rim- Cutler

Grand County, Utah

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
<u>Building road and location</u>		<u>NA</u>	<u>0</u>	<u>NA</u>	<u>NA</u>

**Summary:** Easter Sunday- No Activity.

**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:	Mnctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnctr:	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	Mnctr:	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:	<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		
<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: 04/25/11

Report Time: 1700 hrs

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

State: ML51885

Lease: OBA

Field: Wildcat

Well Name: Tidewater State 2-12-2219

API 43-019-50008

Location: 2465' FSL, 710' FWL

Contractor: Pete Martin Drilling

Type:

Vertical

Elev 4799' graded

SWNW Sec 2, T22S, R19E

Rig #:

Target:

White Rim- Cutler

Grand County, Utah

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Hole Problems:
Drill 24" conductor hole.		NA	0	NA	NA

**Summary:** Finish building access road & location. Dig reserve pit. Build fence along 3 sides of reserve pit. MIRU Pete Martin Drilling and drill 24" conductor hole to 60' BGL with air & mist. No water encountered. Waiting on pit liner.

**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:	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 Assmby		

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:	
									Repair:	Other:	Footage:	Daywork:
Today:												0
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/26/11

Report Time: 1700 hrs

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

State: ML51885

Lease: OBA

Field: Wildcat

Well Name: [Tidewater State 2-12-2219](#)

API 43-019-50008

Location: [2465' FSL, 710' FWL](#)

Contractor: [Pete Martin Drilling](#)

Type:

[Vertical](#)

[Elev 4799' graded](#)

[SWNW Sec 2, T22S, R19E](#)

Rig #:

Target:

[White Rim- Cutler](#)

[Grand County, Utah](#)

Current Operation: <b>Run &amp; cement conductor casing</b>	Days From Spud:	Current Depth: <b>60'</b>	24 Hour Footage: <b>60'</b>	Hole Condition: <b>NA</b>	Hole Problems: <b>NA</b>
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**Summary:** Install pit liner. Weld & run 60' of 16" conductor casing to 60' BGL. Cement with 6 cu yards of redi-mix cement. Cement to surface and stayed at surface. Release Pete Martin Drilling (Pete Martin Cost- \$9795) Tack weld cap on conductor casing. Bart Kettle with UDOGM on location and approved all operations.

**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:	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 Assmby		

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:	
									Repair:	Other:	Footage:	Daywork:
Today:												<b>0</b>
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/27/11

Report Time: 1700 hrs

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

State: ML51885

Lease: OBA

Field: Wildcat

Well Name: Tidewater State 2-12-2219

API 43-019-50008

Location: 2465' FSL, 710' FWL

Contractor: Leon Ross Drilling

Type:

Vertical

Elev 4799' graded

SWNW Sec 2, T22S, R19E

Rig #:

Target:

White Rim- Cutler

Grand County, Utah

Current Operation: <b>MIRU Leon Ross Drilling</b>	Days From Spud:	Current Depth: <b>60'</b>	24 Hour Footage: <b>0</b>	Hole Condition: <b>NA</b>	Hole Problems: <b>NA</b>
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**Summary:** Blade and water access road. Fork lift delivered (Delivery & Return Trucking- \$440; Rental- \$1188; Cleaning- \$107). Receive 850' of 8-5/8" 24.0# J55 STC casing (trucking charge- \$780). Receive 500 bbl frac tank from JD Field Services (delivery charge- \$1063; Rental charge 5 day min: \$175). Spot frac tank. Fill frac tank with fresh water from the City of Thompson Springs (KSUE water & hauling cost- \$2125). Make and weld cap on casing- \$390). Move in Leon Ross Drilling to drill surface hole. Install pit liner (cost- \$2100).

**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:	Mnfrct:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfrct:	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	Mnfrct:	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 Assmby		

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:									
			Contract Labor									
			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:	
									Repair:	Other:	Footage:	Daywork:
Today:												<b>0</b>
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/28/11

Report Time: 1700 hrs

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API 43-019-50008

Location: **2465' FSL, 710' FWL**

Contractor: **Leon Ross Drilling**

Type:

**Vertical Elev 4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #:

Target:

**White Rim- Cutler**

**Grand County, Utah**

Current Operation: <b>Drilling 12.25" surface hole</b>	Days From Spud: <b>0</b>	Current Depth: <b>240'</b>	24 Hour Footage: <b>180'</b>	Hole Condition: <b>Good</b>	Lost Time Accidents <b>None</b>
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**Summary:** Rig up Leon Ross Drilling to drill surface hole. Spud surface hole with air at 1430 hrs 04/28/2011. Drill 12.25" surface hole from 60' to 240'. Wireline survey: 200'- 2.0 degrees. No oil, gas or water encountered. Secure well and SDFN.

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

Cum Cost: **\$0**

Mud Properties:	Depth: <b>0-240'</b>	Weight: <b>AIR</b>	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 Assmby		
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:		
											Contract Labor		
											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:		
									Repair:	Other:	Footage:	Daywork:	
Today:												<b>0</b>	
Cum.:													

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/29/11

Report Time: 1700 hrs

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

State: ML51885

Lease: OBA

Field: Wildcat

Well Name: Tidewater State 2-12-2219

API 43-019-50008

Location: 2465' FSL, 710' FWL

Contractor: Leon Ross Drilling

Type:

Vertical

Elev 4799' graded

SWNW Sec 2, T22S, R19E

Rig #:

Target:

White Rim- Cutler

Grand County, Utah

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Running 8-5/8" surface casing	1	822'	582'	Good	None

**Summary:** Notify Dan Jarvis (UDOGM) with 24 hrs notice of cementing surface casing. Drill 12.25" surface hole from 240' to 822'. Wireline surveys: 400'- 3.75 degrees; 600'- 3.5 degrees; 800'- 3.50 degrees. No oil, gas or water encountered. POOH to run surface casing. RU and run 821' of new 8-5/8" 24.0# J55 STC surface casing with float shoe, shoe joint, float collar, and 18 joints casing. Place bowspring centralizers on middle of shoe joint w/casing clamp, and every other casing collar for total of 5 centralizers. Tag bottom at 822' RKB. Prepare to cement surface casing. Bart Kettle with UDOGM called Walt Lowry w/ Tidewater at 1350 hrs on 04/29/2011. Mr. Kettle indicated he had been to the wellsite and was satisfied with the operations to date. He requested that Tidewater place some water on the access road as it was very dry and dusty. Tidewater complied with his request.

**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 %:		
	822'	AIR											
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 Assmby		
	400'	3.75		600'	3.5		800'	3.5					

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:		
										Contract Labor		
										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:	
									Repair:	Other:	Footage:	Daywork:
Today:												0
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: 04/30/11

Report Time: 1700 hrs

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API 43-019-50008

Location: **2465' FSL, 710' FWL**

Contractor: **Leon Ross Drilling**

Type:

**Vertical**

**Elev 4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #:

Target:

**White Rim- Cutler**

**Grand County, Utah**

Current Operation:	Days From Spud:	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Cmnt surface casing. Release rig.	2	816'	0	Good	None

**Summary:** Rig up Pro Petro Services to cement surface casing. Pump 20 bbls fresh water spacer. Mix and pump 200 sx lead cement of 65% Premium Cement/ 35% POZ + 6% gel + 3% Salt + 1/4 pps cellophane flake mixed at 13.1 ppg and 1.69 cf/sx yield. Mix and pump 250 sx tail cement of Premium Cement + 2% CaCl2 + 1/4 pps cellophane flake mixed at 15.8 ppg and 1.15 cf/sx yield. Full returns throughout job. Return ~48 bbls cement to surface. Bump plug at 0315 hrs 04/30/2011. Floats held. Cement stayed at surface. Release Leon Ross Drilling @ 0400 hrs on 04/30/2011. Tack weld cover plate on surface casing. Release fork lift and haul back to Moab, UT. Temporarily suspend operations pending MIRU of drilling rig capable of drilling production hole to total depth.

**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:	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 Assmby		

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:		
										Contract Labor		
										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:	
									Repair:	Other:	Footage:	Daywork:
Today:												<b>0</b>
Cum.:												

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/06/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS (2)	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Movig rig from Meteetsee, WY	1	2	0	816'	0	Good	None

**Summary:** Moving CapStar Rig #315 from Meteetsee, WY to Crescent Junction, UT (~600 miles). L&S Trucking was selected company for rig move. MIRU CapStar Rig #315. Set in rig and rig up equipment. Three rig move loads have not made it to the TW ST 2-12-2219 location as of report time. The delayed loads contain the choke line, the pump to standpipe hose, the Pason satellite dish, and tubs of drill pipe. NU BOPE. WO Pipe trailer with choke line. **NOTE: Walt Lowry w/ Tidewater placed a call and left message for Dan Jarvis with the UDOGM at 1636 hours on 8/5/11 to give required 24-hour notice of BOPE test.** Mr. Lowry informed Dan Jarvis that the BOPE test was expected to occur on Sunday 8/7/11. Repair washouts in lease road. Prep location to accept rig. Dig cellar and install cellar ring around conductor and surface casing. Cut off 8-5/8" 24# J55 STC surface casing and conductor casing. Weld on 8-5/8" SOW X 9" 3M casing head with flange at ground level. Test weld. Held OK.

**Walt Lowry (Engineer/ Wellsite Supervisor): 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:		
			Contract Labor		
			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:	
									Repair:	Other:	Footage:	Daywork:
Today:												0
Cum.:												



# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/08/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

SWNW Sec 2, T22S, R19E

Rig #: **315**

Target: **White Rim- Cutler**

Grand County, Utah

Current Operation: <b>Move in CapStar Rig #315</b>	DOL (2) <b>3</b>	DFSS <b>2</b>	DFS (2) <b>0</b>	Current Depth: <b>816'</b>	24 Hour Footage: <b>0</b>	Hole Condition: <b>Good</b>	Lost Time Accidents <b>None</b>
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**Summary:** Test annular preventer. Did not hold. ND rotating head and annular. WO annular preventer from CapStar in Casper. NU annular preventer. RU BOPE tester. Test annular preventer to 1500 psi. Rig repair. Break top of annular preventer. Work on rubber. Third annular preventer on its way from CapStar in Casper, WY. Install annular preventer. RU Single Jack Testers. Test annular preventer to 1500 psi. Turn up accumulator pressure to 1900 psi. Bag blew. WO 3rd annular preventer from CapStar yard in Casper, WY.

**Walt Lowry (Engineer/Wellsite Supervisor): 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:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	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	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 Assmby		

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-0600	24.00	MIRU CapStar Rig #315. Waiting on 3 loads due to 3rd Party truck breakdowns. Missing choke line, pump hose, Pason satellite dish.	Rig		
			Mud		
			Water		
			Bit/ Rmr		
			Rentals		
			Geologist & Mudlogger		
			Supervisor		
			Fuel/ Lube		
			Logs		
			Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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.:												<b>0</b>

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/09/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation: Drilling 7-7/8" hole @ 1119'	DOL (2) 4	DFSS 2	DFS (2) 0	Current Depth: 1119'	24 Hour Footage: 303'	Hole Condition: Good	Lost Time Accidents None
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**Summary:** WO annular preventer to arrive. NU annular preventer. Test annular preventer to 1500 psi for 10 min. Held OK. **NOTE: By agreement between Rafael Ruiz (CapStar Toolpusher) and Walter Lowry (Tidewater Company Man) responsibility for rig charges transferred to Tidewater Oil & Gas as Operator at 1200 hrs on 8/9/2011 when daywork operations for the production hole commenced.** Nipple down bottom flange of BOPE and retrieve test plug and nipple up bottom flange once again. Test 8-5/8" 24# J55 STC surface casing and bottom flange of BOPE stack to 2000 psi (including hydrostatic head of 9.0 ppg drilling mud inside casing). Held OK. NU rotating head, install flowline. Pick up bit and BHA. TIH. Tag cement at 720' inside 8-5/8" surface casing. Drill float collar, cement in shoe joint, and float shoe with fresh water. Fill mud tanks with fresh water. Drill 7-7/8" production hole from 816' to 957'. Well began to flow due to excessive formation pressure at 957'. Circ kick out thru choke. Resume drilling to 1119'.

**Walt Lowry (Engineer/ Wellsite Supervisor): 303-884-5505**

Cum Cost: **\$0**

Mud Properties:	Depth: 1119	Weight: 9.1	Viscosity: 39	Gel Strength: 5/10/-	Water Loss: 8	Filter Cake: 2/32	pH: 9.5	Chlorides PPM: 300	Calcium PPM: 40	Solids %: 4.0	Sand %: TR		
Mud Pump:	Number: 1	Mfnctr: Gardner-Denver	Model: PZ-8	Stroke ("): 129 @ 95% eff	Liner ("): 6 1/4	Rod Size ("):	Number:	Mfnctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval: 957-1119	Weight on Bit: 5-7M	RPM: 88/60	Torque (On btm/ Off btm): 1200	Pump Press(PSI): 650	SPM: 129	Average Drill Rate: 67.3	Ave. FPM. DP.: 92	Ave. FPM. DC.: 135	FPS.: 210	Jet Velocity: 115		
Bit Record:	No./Size 1- 7.875"	Mfnctr: Smith	Type: MS616	IADC PDC	Serial #: JD4357	Jets (#/ 32nds): 6 x 16s	Depth In (ft): 816	Depth Out (ft): 1119	Footage: 303	FPH: 67.3	Rotating Hours:		Condition: NA
											Bit: 4.50	Cum. 4.50	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assmby		

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-1200	6.00	WO annular preventer from CapStar. NU annular preventer and test to 1500 psi. Held ok.		Rig	
		NU annular preventer. Test to 1500 psi high & 250 psi low for 10 min. Held OK.		Mud	
		<b>BY AGREEMENT W/ RAFAEL RUIZ (TP)- COMMENCE DAYWORK AT 1200 HRS 8/9/11</b>		Water	
1200-1500	3.00	ND bottom flnge of mud cross on BOPE. Retrieve test plug. NU bottom flange.		Bit/ Rmr	
		Test 8-5/8" casing and flange between mud cross & wellhead to 80% of internal yield		Rentals	
		pressure of surface casing (2950 psi) or 2360 psi. Held OK.		Geologist & Mudlogger	
1500-1700	2.00	NU rotating head,install flowline,install fill line,chain down stack.		Supervisor	
1700-1800	1.00	MU BHA (7-7/8" STC M616 PDC bit, Hunting mud motor, 8-6 1/4" DCs, hydraulic drilling jars,		Fuel/ Lube	
		3 x 6 1/4" DCs, 4-1/2" XH drill pipe		Logs	
1800-1900	1.00	TIH w/ BHA & drill ppe and tag cement inside 8-5/8" surface casing at 728'.		Wellhead, Tbg & Csg	
1900-1930	0.50	Install rotating head rubber.		Cement & Cementing	
1930-2030	1.00	Drill float collar, shoe joint, float shoe and 10' new formation.		Contract Labor	
2030-2200	1.50	Fill mud tanks. Manifold pre-mix tank to working pits. Pre-mix tank will pump into active system.		Mob/Dmob	
2200-2330	1.50	Drill new 7-7/8" hole from 826'-957'.		Directional	
2330-0300	3.50	Well kicked at 957' with 8.4 ppg water in hole.		Trucking	
		Circulate through choke holding 75 psi casing pressure at 46 spm while mixing mud.		Fishing	
		Open annular & check for flow. Well flowing with 8.9 ppg mud.		Access Road & Location	
0300-0600	3.00	Drill 7-7/8" hole from 957'-1119'		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:	4.50	1.50	6.00							6.00		18.00
Cum.:	4.50	1.50	6.00							6.00		18.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/10/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation: <b>TOOH to pick up 7-5/8" Spiral IBS</b>	DOL (2) <b>5</b>	DFSS <b>2</b>	DFS (2) <b>1</b>	Current Depth: <b>1681'</b>	24 Hour Footage: <b>562'</b>	Hole Condition: <b>Good</b>	Lost Time Accidents <b>None</b>
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**Summary:** Drill f/ 1119'- 1400'. Lubricate Rig. Drill f/ 1400'-1681'. Send fluid/gas stream down choke line to pit. Pason gas chromatograph registers mostly methane. Well dead. Drop deviation survey and TOOH. Remove rotating head rubber. LD BHA and mud motors. Bit was in excellent condition. Review geology and determine a directional correction was prudent to stay away from salt wall. PU 7-5/8" spiral integral blade string stabilizer and place 70' from bit to provide pendulum BHA in an attempt to bring well back from 6 deg inclination. while waiting on directional tools & crew.

**Walt Lowry (Engineer/ Wellsite Supervisor): 303-884-5505**

Cum Cost: **\$0**

Mud Properties:	Depth: <b>1221'</b>	Weight: <b>8.6</b>	Viscosity: <b>38</b>	Gel Strength: <b>5/10/-</b>	Water Loss: <b>8</b>	Filter Cake: <b>2/32m</b>	pH: <b>10</b>	Chlorides PPM: <b>300</b>	Calcium PPM: <b>40</b>	Solids %: <b>4.0</b>	Sand %: <b>TR</b>
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Mud Pump:	Number: <b>1</b>	Mnfr: <b>Gardner-Denver</b>	Model: <b>PZ-8</b>	Stroke ("): <b>129 @ 95% eff</b>	Liner ("): <b>6 1/4</b>	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
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Drilling Parameters:	Depth Interval: <b>1119-1681</b>	Weight on Bit: <b>4-6K</b>	RPM: <b>88/60</b>	Torque: <b>1200</b>	Pump Press(PSI): <b>650</b>	SPM: <b>129</b>	Average Drill Rate: <b>30.4</b>	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:
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Bit Record:	No./Size: <b>1</b>	Mnfr: <b>STC</b>	Type: <b>M616M</b>	IADC: <b>PDC</b>	Serial #: <b>JD4357</b>	Jets (#/32nds): <b>6 x 16's</b>	Depth In (ft): <b>1119</b>	Depth Out (ft): <b>1681</b>	Footage: <b>562</b>	FPH: <b>30.3</b>	Rotating Hours:		Condition:
	Bit: <b>18.5</b>		Cum.: <b>23.0</b>										

Surveys:	Depth: (ft.) <b>816'</b>	Degrees: <b>3.75 deg</b>	Azimuth: <b>NA</b>	Depth: (ft) <b>1147'</b>	Degrees: <b>5.0 deg</b>	Azimuth: <b>UNK</b>	Depth: (ft.) <b>1335'</b>	Degrees: <b>6.0 deg</b>	Azimuth: <b>susp S45W</b>	TVD:	Build Assy:
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To Time:	Hours:	OPERATIONS								COST:	Today:	Cum.:
0600-1500	9.00	Drill 7-7/8" hole from 1119'- 1400'								Rig		
1500-1530	0.50	Lubricate rig.								Mud		
1530-0100	9.50	Drill 7-7/8" hole from 1400'- 1681'								MIRU		
0100-0200	1.00	Pit gain- kick in progress at 957'. Check flow. Well flowing 1.5" to 2" stream. Shut in well.								Bit/ Rmr		
		Raise weight in active pits to 9.1 ppg with 40+ vis.								Rentals		
		Circ 9.1 ppg kill fluid around well and take returns through choke line.								Geologist & Mudlogger		
		Well flowing 1/2" stream.								Supervisor		
		9.1 ppg fluid circulated around wellbore. Raise mud weight to 9.3+ ppg with 45 vis								Fuel/ Lube		
		and circulate around well. Well is dead.								Logs		
0200-0230	0.50	Drop inclination survey (6.0 deg @ 1641'). Pump slug.								Wellhead, Tbg & Csg		
0230-0330	1.00	TOOH w/ drill string.								Cement & Cementing		
0330-0430	1.00	Remove rotating head rubber.								Contract Labor		
0430-0530	1.00	LD BHA. Change out mud motors.								Mob/Dmob		
0530-0600	0.50	TIH with new mud motor and 7-5/8" IBS spiral blade at 70' from bit for pendulum assembly to assist in bringing inclination back while waiting on directional tools and personnel.								Directional		
										Trucking		
										Fishing		
										Access 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:	18.5	0.5	0.5			1.00		3.5	Repair:	Other:	Footage:	Daywork:
Cum.:	23	2	6.5			1.00		3.5			6.0	42

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/11/11**  
Report Time: **0600 hrs**

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

State: **ML51885**  
Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
TIH w/ Directional Tools-svy 90' inc	6	2	2	1965'	284'	Good	None

**Summary:** Finish TIH with pendulum drilling assembly. Drill from 1681'- 1840'. Service rig & run slickline deviation survey at 1775' (6 deg). Drill 7-7/8" hole to 1965'. CCM. Trip out of hole and LD BHA & mud motor. PU Hunting 1.5 deg bent mud motor (2.1 revs/gal), monel drill collar, 8 x 6-1/4" steel DCs, hydraulic drilling jars, 3 x 6-1/4" DCs. TIH w/ directional BHA, taking surveys every 90'.

**Walt Lowry (Engineer/ Wellsite Supervisor): 303-884-5505**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	1681'	9.1+	43	10/12/-	6.4	2/32mds	9.7	850	40	8.0	TR		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	1681-1965	5K	88/60	1200 On/450 Off	770	129	30.4						
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	M616M	PDC	JD4357	6 x 16's	1681	1965	284	21.0	Bit: 13.5	Cum. 36.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
	See attached survey sheet.												

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-0830	2.50	Finish TIH with pendulum drilling assembly (PDC bit, mud motor, 8 x 6-1/4" DCs, Jrs, 3 x 6-1/4" DCs)	Rig		
0830-1600	7.50	Drill 7-7/8" hole from 1681'- 1840'	Mud		
1600-1630	0.50	Lubricate rig. Run slickline deviation survey at 1775'- 6 degrees	MIRU		
1630-2230	6.00	Drill 7-7/8" hole from 1877'- 1965'.	Bit/ Rmr		
2230-2300	0.50	CCM for trip to PU directional tools.	Rentals		
2300-2330	0.50	Drop inclination survey (6.0 deg @ 1641'). Pump slug.	Geologist & Mudlogger		
2330-0100	1.50	TOOH w/ drill string. LD IBS stabilizer & straight hole motor.	Supervisor		
0100-0400	3.00	Make up directional BHA (PDC bit, 1.5 deg bent mud motor, UBHO Sub, Monel DC for MWD, 8 DCs, Drilling jars, 3 DCs, DP).	Fuel/ Lube		
			Logs		
0400-0430	0.50	Install rotating head rubber.	Wellhead, Tbg & Csg		
0430-0600	1.50	TIH with MWD tool, surveying every 90'.	Cement & Cementing		
			Contract Labor		
		Gas Buster delivered from Kristy's Rentals in Vernal, UT. Rig up gas buster.	Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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:	13.5	9.0	0.5			1.0						24.0
Cum.:	36.5	11.0	7.0			2.0		3.5		6.0		66.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/12/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Drilling @ 2882'	7	2	3	2882'	917'	Good	None

**Summary:** Finish surveying in the hole every 90' with the Crescent Directional MWD tool. Contol drill the 7-7/8" wellbore from 1965'- 2882' (917') to keep it from walking upedip toward the salt wall to the SW of the surface loction. Directionally drill the wellbore to keep it in the NW 1/2 of a 200' radius half circle with a centerpoint of this wellbore.

**Walt Lowry (Engineer/ Wellsite Supervisor): 303-884-5505**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	1922'	9.4	42	9/11/-	6.4	1/32nds	9.3	1100	80	10.0	TR		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	1965-2882	15K	88/45	1900 On/450 Off	1250	129	42.7						
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	M616M	PDC	JD4357	6 x 16's	1965	2882	917	42.7	Bit: 21.5	Cum. 58.0	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assyly		
	See attached survey sheet.												

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0600-0800	2.00	Finish TIH w/ MWD drilling assembly surveying every 90' going in the hole (PDC bit, mud motor, 8 x 6-1/4"DCs, Jars, 3 x 6-1/4" DCs)								Rig		
0800-0930	1.50	Drill 7-7/8"hole from 1965'-2021'								Mud		
0930-1000	0.50	Lubricate rig.								MIRU		
1000-0600	20.00	Drill 7-7/8"hole from 2021'- 2882'.								Bit/ Rmr		
										Rentals		
										Geologist & Mudlogger		
										Supervisor		
										Fuel/ Lube		
										Logs		
										Wellhead, Tbg & Csg		
										Cement & Cementing		
										Contract Labor		
										Mob/Dmob		
										Directional		
										Trucking		
										Fishing		
										Access 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:	21.5	2.0	0.5									24.0
Cum.:	58.0	13.0	7.5			2.0		3.5		6.0		90.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/13/11**  
 Report Time: **0600 hrs**

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

State: **ML51885**  
 Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Rigging up Gas Buster	8	2	4	3178'	213'	Good	None

**Summary:** Directionally control drill 7-7/8" hole from 2882'-3178'. Repair mud pump. CCM. Raise MW to 9.6+ for trip. Hole very tight with significant swabbing and sloughing present. Work pipe free several times. Raise MW to 10.0 ppg with 44 viscosity. TOOH and LD BHA. Change out MWD tool. TIH to 968' to test tool. Pull up into shoe and shut-in well for welding on gas-buster.

Walt Lowry (Engineer/ Wellsite Supervisor): 303-884-5505

Cum Cost: **\$0**

Mud Properties:	Depth: 3812	Weight: 9.4	Viscosity: 40	Gel Strength: 7/16/--	Water Loss: 7.2	Filter Cake: 1/32nds	pH: 9.3	Chlorides PPM: 1100	Calcium PPM: 80	Solids %: 10.0	Sand %: TR		
Mud Pump:	Number: 1	Mnfctr: Gardner-Denver	Model: PZ-8	Stroke ("): 129 @ 95% eff	Liner ("): 6 1/4	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval: 2882-3178	Weight on Bit: 15-20K	RPM: 88/50	Torque: 1900 On/450 Off	Pump Press(PSI): 1200	SPM: 129	Average Drill Rate: 42.7	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size: 1	Mnfctr: STC	Type: M616M	IADC: PDC	Serial #: JD4357	Jets (#/32nds): 6 x 16's	Depth In (ft): 2882	Depth Out (ft): 3178	Footage: 296'	FPH: 29.6	Rotating Hours:		Condition:
											Bit: 10.0	Cum. 68.0	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assembly		
				See attached survey sheet.									

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-1600	10.00	Directionally control drill 7-7/8" hole from 2882- 3178'		Rig	
1600-1630	0.50	Lubricate rig.		Mud	
1630-1700	0.50	Repair mud pump.		MIRU	
1700-2400	7.00	Circulate & condition mud. Raise MW to 9.6 ppg and 45 vis. TIH. Hole still tite. POOH to 2400'. Circulate & condition mud and raise MW to 10.0 ppg with 45 vis.		Bit/ Rmr	
2400-0530	5.50	Finish POOH and change out MWD probe. Significant hole trouble through sloughing "rubble zone. Now concerned about differential sticking,.		Rentals	
0530-0600	0.50	Welding connections for gas-buster.		Geologist & Mudlogger	
				Supervisor	
				Fuel/ Lube	
				Logs	
				Wellhead, Tbg & Csg	
				Cement & Cementing	
				Contract Labor	
				Mob/Dmob	
				Directional	
				Trucking	
				Fishing	
				Access 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:	10.0	5.5	0.5			7.5			Repair: 0.5	Other: 6.0	Footage: 24.0	Daywork: 114.0
Cum.:	68.0	18.5	8.0			9.5		3.5	0.5	6.0		114.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/14/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Rig repair- swivel motor	9	2	5	3361'	183'	Good	None

**Summary:** Welding flare lines for gas buster, gas trap in possum belly and flare/choke lines. TIH and circulate bottoms up at 1600'. Wash & ream from 1600'- 2300. TIH circulate and work on gas sniffer. Redpair swab on mud pump. Wash 40' to bottom. Directionally drill 7-7/8" hole from 3178'-3361'. Rig Repair- Front swivel motor.

**Walt Lowry (Engineer/ Wellsite Supervisor): 303-884-5505**

Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:	
	3391	9.7	43	9/20/-	7.2	1/32nds	9.6	1300	80	9.0	TR	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4							
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.:	
	3178-3361	18-20K	88/60	1800 On/650 Off	1350	129	42.7					
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:	Condition:
	1	STC	M616M	PDC	JD4357	6 x 16's	3178	3361	183	26.1	Bit: 7.0 Cum. 75.0	

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy
			k			See attached survey sheet.					

To Time:	Hours:	<b>OPERATIONS</b>								<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-1700	11.00	Welding pre-fab pieces for gas buster and flare lines.								Rig		
1700-1800	1.00	TIH. Circulate bottoms up at 1600'								Mud		
1800-2000	2.00	Trip in hole.								MIRU		
2000-2030	0.50	Work on Pason gas trap and make modifications.								Bit/ Rmr		
2030-2100	0.50	Rig Repair- swab on mud pump.								Rentals		
2100-2130	0.50	Rig Repair- Swab on pump.c								Geologist & Mudlogger		
2130-2200	0.50	Wash 40' to bottom.								Supervisor		
2200-0500	7.00	Directionally drill from 3178'-3361'								Fuel/ Lube		
0500-0600	1.00	Rig Repair - front swivel bottom.								Logs		
										Wellhead, Tbg & Csg		
										Cement & Cementing		
										Contract Labor		
										Mob/Dmob		
										Directional		
										Trucking		
										Fishing		
										Access 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:	10.0	5.5	0.5			7.5			0.5			24.0
Cum.:	78.0	24.0	8.5			17.0		3.5	1.0	6.0		138.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/15/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Drilling at 3750'	10	2	6	3750'	389'	Good	None

**Summary: Directionally drill 7-7/8" hole 3361'-3750'**

Cum Cost: **\$0**

**Walt Lowry (Engineer/ Wellsite Supervisor): 303-884-5505**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	3750	9.7	43	9/20/-	7.2	1/32nds	9.6	1300	80	9.0	0.3		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	3371-3750	18-20K	88/50	1850 On/650 Off	1250	129	42.7						
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	M616M	PDC	JD4357	6 x 16's	3361	3750	389	16.2	Bit: 24.0	Cum. 99.0	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assembly		
	See attached survey sheet.												

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-0600	24.00	Directional drill 7-7/8" hole from 3361'-3750'. Directionally drilling to minimize doglegs and to keep well on approximate vertical target path	Rig		
			Mud		
			MIRU		
			Bit/ Rmr		
			Rentals		
			Geologist & Mudlogger		
			Supervisor		
			Fuel/ Lube		
			Logs		
			Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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:	24.0											24.0
Cum.:	102.0	24.0	8.5			17.0		3.5	1.0	6.0		162.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/16/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Drilling at 4137'	11	2	7	4137'	387'	Good	None

**Summary:** Directionally drill 7-7/8" hole 3750'-4137'. Made 387' of new hole in 23 rotating/sliding hours for an average daily rate of penetration of 16.8 fph. The PDC bit overall has drilled 3,321' in a total of 122 rotating/sliding hours for an average bit penetration rate of 27.2 fph. The bit should be pulled within the next 24-48 hours and a sharp STC 7-7/8" M616 bit will be run in its place.

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	4137	9.4+	43	11/18/-	8	1/32nds	9.8	1300	80	11.0	0.3		
Mud Pump:	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfcn:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	3750-4137	18-20K	88/50	1850 On/650 Off	1300	129	16.8						
Bit Record:	No./Size	Mnfcn:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	M616M	PDC	JD4357	6 x 16's	3750	4137	387	16.8	Bit: 23.0	Cum. 122.0	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
	See attached survey sheet.												

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-0900	3.00	Directionally drill 7-7/8" hole from 3750'-3832'.		Rig	
0900-0930	0.50	Lubricate rig.		Mud	
0930-1000	0.50	Rig Repair- Mud Pump		MIRU	
1000-0600	20.00	Directionally drill 7-7/8" hole from 3832'- 4137'.		Bit/ Rmr	
				Rentals	
				Geologist & Mudlogger	
				Supervisor	
				Fuel/ Lube	
				Logs	
				Wellhead, Tbg & Csg	
				Cement & Cementing	
				Contract Labor	
				Mob/Dmob	
				Directional	
				Trucking	
				Fishing	
				Access 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: 50%	Sand:	Siltstone 50%	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	23.0		0.5						0.5			24.0
Cum.:	125.0	24.0	9.0			17.0		3.5	1.5	6.0		186.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/17/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Drilling at 4407'	12	2	8	4407'	270'	Good	None

**Summary:** Directionally drill 7-7/8" hole 4137'- 4407'. Strongly suspecting cutter wear and potentially loss of gauge on the bit are significant contributors to abnormally slow P-Rates and the inability to consistently steer the wellbore. This bit should be pulled within the next 24 hours and a sharp STC 7-7/8" Msi616 bit will be run in its place.

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	4473	9.5	44	11/22/-	8 cc/30 min	1/32nds	9.9	1500	80	11.0	0.3		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	4137-4407	20-22K	88/75	1850 On/650 Off	1340	129	11.5						
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	M616M	PDC	JD4357	6 x 16's	4137	4407	270	11.5	Bit: 23.5	Cum. 145.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
	See attached survey sheet.												

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-1130	5.50	Directionally drill 7-7/8" hole from 4137'- 4205'.	Rig		
1130-1200	0.50	Lubricate rig.	Mud		
1200-0600	18.00	Directionally drill 7-7/8" hole from 4205'-4407'.	MIRU		
			Bit/ Rmr		
			Rentals		
			Geologist & Mudlogger		
			Supervisor		
			Fuel/ Lube		
			Logs		
			Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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:	Limestone	NA
									50%		50%	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime			
									Repair:	Other:	Footage:	Daywork:
Today:	23.5		0.5									24.0
Cum.:	148.5	24.0	9.5			17.0		3.5	1.5	6.0		210.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/18/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
TIH w/ new bit & directional assbly	13	2	9	4551'	144'	Sloughing shale	None

**Summary:** Directionally drill 7-7/8" hole 4407'- 4551'. Circulate and condition mud and get 9.6 ppg 45 vis mud evenly all around. Trip for new bit. No problems getting out of hole. Keep hole full and periodically check for flow. Bit was well worn but in gauge. Change out bit and directional motor. TIH to casing shoe at 744'. Check mud motor & MWD. OK. Resume TIH to 1057'. Circulate and recourd 4665 units of trip gas. Resume TIH. Hole tite at 1700'. Circulate and ream through sloughing shale at 1700'- 1750'.

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:
	4551	9.6	46	11/22/-	7.6 cc	1/32nds	9.7	1500	120	11.0	0.3

Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4							

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.:
	4407-4551	20-22K	88/75	1850 On/650 Off	1340	129	11.5				

Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1	STC	Mi616	PDC	JD4357	6 x 16's	816	4551	3735	23.6	Bit: 12.5	Cum. 158.0	
	2	STC	MSi616	PDC	JY3750	6 X 16s	4551						

Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assyly
											See attached survey sheet.

To Time:	Hours:	<b>OPERATIONS</b>								COST:	Today:	Cum.:
0600-1730	11.50	Directionally drill 7-7/8" hole from 4407'- 4537'.								Rig		
1730-1800	0.50	Lubricate rig.								Mud		
1800-1900	1.00	Directionally drill 7-7/8" hole from 4537'- 4551'.								MIRU		
1900-0600	11.00	Circulate & condition mud with 9.6 ppg & 45 vis even around hole. Trip for new bit.								Bit/ Rmr		
		Keep hole full at all times. No problems coming out of hole. Change out bit & mud motor.								Rentals		
		TIH with new bit. Stop a casing shoe and test motor & MWD. OK.								Geologist & Mudlogger		
		Circulate at 1057' with 9.6 ppg 45 vis mud.								Supervisor		
		Hole tite at 1700' with sloughing shale, similar to problems encountered on previous trips.								Fuel/ Lube		
		Working through sloughing shale at 1700'-1750'.								Logs		
										Wellhead, Tbg & Csg		
										Cement & Cementing		
										Contract Labor		
										Mob/Dmob		
										Directional		
										Trucking		
										Fishing		
										Access 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:	Limestone	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	12.5	11.0	0.5									24.0
Cum.:	161.0	35.0	10.0			17.0		3.5	1.5	6.0		234.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/19/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #.: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
TIH w/ new bit & directional assbly	14	2	10	4862'	311'	Sloughing shale	None

**Summary: TIH. Hit bridge at 1665'. Ream bridges from 1665'- 2140' and 4506'-4551'. Directionally drill from 4551' to 4862'. Abnormally high torque evident.**

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	4888	9.5+	46	15/27/-	8.4	1/32nds	9.4	1600	120	11.0	0.3		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	4551-4862	20-22K	88/75	2300 On/850 Off	1420	129							
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In (ft):	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	M616M	PDC	JD4357	6 x 16's	816	4551	3735	23.6	12.5	158.0	
	2	STC	MSi616	PDC	JY3750	6 X 16s	4551	4862	311	20.1	15.5	15.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assyly		
											See attached survey sheet.		

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-1100	5.00	TIH. Ream bridge f/ 1665'- 2140'. Heavy sloughing with large shale cavings.		Rig	
1100-1300	2.00	Continue TIH tag up at 4506'.		Mud	
1300-1430	1.50	Wash & Ream from 4506-4551'.		MIRU	
1430-0600	15.50	Directionally drill from 4551'-4862'. Abnormally high torque and drag inhibiting ability to get weight on bit, especially when sliding.		Bit/ Rmr	
				Rentals	
				Geologist & Mudlogger	
		<b>Potential Causes of Abnormally High Torque &amp; Drag:</b>		Supervisor	
		1. Doglegs of 2.08 to 4.65 deg/100' in hole from 1967'-2341'		Fuel/ Lube	
		2. Sloughing Mancos Shale from 1675'- 1900'.		Logs	
		3. Differential sticking caused by abnormally high MWs to control shallow gas zones v		Wellhead, Tbg & Csg	
		could be sucking the collars against the borehole wall increasing torque & drag		Cement & Cementing	
				Contract Labor	
		<b>Potential Solutions:</b>		Mob/Dmob	
		1. Replace 6-1/4" DCs with Spiral-Weight Drill Pipe (locating and shipping to rig now)		Directional	
		2. Raise MW to 10.0 ppg with vis of 48-50 sec/qt for trips. (Works against # 3.)		Trucking	
		3. Add lubricants to mud and keep MW as low as possible while drilling. Use gas buster.		Fishing	
		MW while drilling needs to be high enough to hold back sloughing shales with but as		Access Road & Location	
		light as possible to prevent differential sticking. Lubricants on the way to wellsite.		Miscellaneous	

Total	24											Total		
Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:		
				C1	C2	C3	C4	C5	Shale:	Sand:	Limestone			
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:			
									Repair:	Other:	Footage:	Daywork:		
Today:	15.5	3.0			5.5							24.0		
Cum.:	176.5	38.0	10.0		5.5	17.0		3.5	1.5	6.0		258.0		

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/20/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
PU string stabs to wipe hole.	15	2	11	5155'	293'	Good while drilling	None

**Summary:** Directionally drill 7-7/8" hole from 4862'- 5155' (293' in 23 hours @ 12.7 fph). Circulate and condition mud. TOOH to pick up string reamers to ream hole and wipe sections of hole which continue to be problematic during trips: 1) the deepest persistent hole problem area is from approximately 1950'-2400' where doglegs of 2.00 - 4.65 degrees per 100' are calculated; and, 2) the area between 875' and 1200' the first shows of gas were experienced. Mud weight of 9.4ppg or less contolled the shales effectively for trips at 1681' and 2882', however 10.0 ppg was necessary to hold shales back during trip for MWD at 3178'

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	5155	10.0	62	13/45/-	8.0	3/32nds	10.2	1700	120	11.0	0.3		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	4862-5155	22-24K	88/70	2300 On/850 Off	1500	129							
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/32nds):	293' in 23.0 hrs @	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1 2	STC STC	M616M MSI616	PDC PDC	JD4357 JY3750	6 x 16's 6 X 16s	816 4882	4551 5155 584' in 38.5 hrs= 15.2 fph	3735 273	23.6 11.9	12.5 23.0	158.0 38.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assmly		
				See attached survey sheet.									

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-1600	10.00	Directionally drill 7-7/8: hole from 4862'-4954'	Rig		
1600-1630	0.50	Lubricate rig	Mud		
1630-0530	13.00	Directionally drill 7-7/8" hole from 4954'- 5155'. Hole turning hard to S45E. Sliding more.	MIRU		
0530-0600	0.50	Circulate & condition mud for TOOH to PU reamers to try and eleiminate torque & drag.	Bit/ Rmr		
			Rentals		
		<u>24-Hour Plan:</u> PU 3 X 3-PT roller reamers in string as follows:	Geologist & Mudlogger		
		Reed 521 tricone bit, near bit reamer, 10' x 6-1/4" pony collar, 3-pt roller reamer , 2- 6-1/4"	Supervisor		
		DCs, 3-pt roller reamer, 6 DCs, Jars, 3 Dcs, DP	Fuel/ Lube		
			Logs		
		Run reamer assembly to wipe doglegs and other obstructions from wellbore in an effo to reduce torge and drag.	Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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:	Limestone	NA
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	23.0		0.5			0.5						24.0
Cum.:	203.0	41.5	9.5		5.5	10.0		9.5	1.0	6.0		286.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/21/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
POOH to PU directional tools	16	2	12	5155'	0'	Bad hole: 1950-2600'	None

**Summary:** Circulate & condition mud. TOOH & LD directional tools & PDC bit. Build reamer assembly and TIH. Commence reaming at 1520' and ream to 2700'. Heavy "chip-like" cavings coming over shaker along with some round marble sized rock. POOH.

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	5155	9.8+	55	13/45/-	8.0	3/32nds	10.2	1700	220	11.0	0.3		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	5155	2-6k	88/70		1650	129							
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/32nds):	293' in 23.0 hrs @	Depth Out (ft):	Footage:	FPH:	Rotating Hours:		Condition:
	1 2	STC STC	M616M MSI616	PDC PDC	JD4357 JY3750	6 x 16's 6 X 16s	816 5155	4551  584' in 38.5 hrs= 15.2 fph	3735 0	23.6	Bit: 12.5 Cum. 158.0	Cum. 0.0 38.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
	See attached survey sheet.												

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-0730	1.50	Circulate & condition mud. Mix pill for trip out of hole	Rig		
0730-1400	6.50	LD directional tools & PU/MU reamer assembly.	Mud		
1400-1730	3.50	Check c flow. Well not flowing. Shut in well. MU bit and reamer BHA. TIH to 1520'.	MIRU		
1730--2130	4.00	Wash & ream from 1520'-2700'. Many bridges & tight spots.	Bit/ Rmr		
2130-2200	0.50	Circulate bottoms up from 2700'.	Rentals		
2200-0215	4.25	TIH and tag at 4700'. Wash & ream to TD (5155')	Geologist & Mudlogger		
0215-0600	3.75	Mix pill, pump slug, and POOH.	Supervisor		
			Fuel/ Lube		
			Logs		
		<b>24-Hour Plan:</b> PU 3 X 3-PT roller reamers in string as follows:	Wellhead, Tbg & Csg		
		Reed 521 tricone bit, near bit reamer, 10' x 6-1/4" pony collar, 3-pt roller reamer , 2- 6-	Cement & Cementing		
		DCs, 3-pt roller reamer, 6 DCs, Jars, 3 Dcs, DP	Contract Labor		
		<b>BHA:</b> Reed 521 tricone bit, near bit reamer, 10' x 6-1/4" pony collar, 3-pt roller reamer ,1/4"	Mob/Dmob		
		2xDCs 6-1/4"	Directional		
			Trucking		
			Fishing		
			Access 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:	Limestone	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:		6.5			5.5	4.5		7.5				24.0
Cum.:	203.0	48.0	9.5		11.0	14.5		17.0	1.0	6.0		310.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/22/11**  
 Report Time: **0600 hrs**

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

State: **ML51885**  
 Lease: **OBA** Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219** API # **43-019-50008**

Location: **2465' FSL, 710' FWL**  
**SWNW Sec 2, T22S, R19E**  
**Grand County, Utah**

Contractor: **CapStar Drilling** Type: **Vertical** Elev **4799' graded**  
 Rig #: **315** Target: **White Rim- Cutler**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Directionally drilling at 5256'	17	2	13	5256'	101'	Bad hole: 1950-2600'	None

**Summary:** **TOOH and laydown reamer assembly. Move and strap HWDP and LD 11 6-1/4" DCs. PU Bit #2, bent mud motor, UBHO sub, Monel DC w/ MWD, 785' of HWDP, Jars, 150' HWDP. TIH. Tstest MWD tool. TIH and hit bridge at 1673'. MW is 9.9+ ppg, and vis is 48. Ream bridge from 1673'-2143'. Continue in hole with out incident. Directionally drill 7-7/8" hole from 5155'-5256' with 9.7-9.8 ppg MW and 48-50 vis.**

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:	
	5256	9.8+	51	13/27/--	8.0	3/32nds	10.2	1700	220	11.0	0.3	
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4							
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.:	
	5155	2-6k	88/70		1650	129						
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:	Condition:
	1 2	STC STC	M616M MSI616	PDC PDC	JD4357 JY3750	6 x 16's 6 X 16s	816 5155	4551 5256 584' in 38.5 hrs= 15.2 fph	3735 101	23.6	Bit: 12.5 Cum. 158.0 0.0 38.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy	
				See attached survey sheet.								

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-1300	7.00	Fin POOH. LD reamers. PU bit and directional assembly, LD 6-1/4" DCs. PU 35 jtts HWDP. TIH w/ PDC Bit #2, bent directional mud motor, monel DC w/ MWD, 30 jtts HWDP, Jars, 5 jtts HWDP. BHA length= 1015.37'.			
1300-1330	0.50	Test MWD Tool.			
1330-1700	3.50	TIH. Tag bridge at 1673'. Ream bridge from 1673'-2143'			
1700-2130	4.50	Continue TIH. Tag at 5128' Wash to 5155'.			
2130-0600	8.50	Directionally drill 5155'-5256'			
				Geologist & Mudlogger	
				Supervisor	
				Fuel/ Lube	
				Logs	
				Wellhead, Tbg & Csg	
				Cement & Cementing	
				Contract Labor	
				Mob/Dmob	
				Directional	
				Trucking	
				Fishing	
				Access 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:	Limestone	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	8.5	10.5			5.0				Repair:	Other:	Footage:	Daywork:
Cum.:	211.5	58.5	9.5		11.0	14.5		17.0	1.0	6.0		329.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/23/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Directionally drilling at 5256'	18	2	14	5631'	375'	Bad hole: 1950-2600'	None

**Summary: Directionally drill 7-7/8" hole from 5256'-5631' with 9.7-9.8 ppg MW and 48-50 vis.**

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	5631	9.5+	47	13/27/--	8.0	2/32	9.8	1700	220	11.0	0.3		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	5631	12-15K	88/75	2500 On/ 2150 Off	1600	129							
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/ 32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:		Condition:
	1 2	STC STC	M616M MSI616	PDC PDC	JD4357 JY3750	6 x 16's 6 X 16s	816 5356	4551 5631	3735 375	23.6 15.5	12.5 23.5	158.0 62.0	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
				See attached survey sheet.									

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-1730	11.50	Directionally drill 5256'-5460'	Rig		
1730-1800	0.50	Lubricate rig	Mud		
1800-0600	12.00	Directionally drill 5460'- 5631'	MIRU		
			Bit/ Rmr		
			Rentals		
			Geologist & Mudlogger		
			Supervisor		
			Fuel/ Lube		
			Logs		
			Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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:	Limestone	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	23.5		0.5									24.0
Cum.:	235.0	58.5	10.0		11.0	14.5		17.0	1.0	6.0		353.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/24/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Directionally drilling at 5861'	19	2	15	5861'	230'	Good	None

**Summary: Directionally drill 7-7/8" hole from 5631'- 5861' with 9.4-9.5 ppg MW and 45-47 vis.**

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	5861	9.5	47	13/27/--	8.0	2/32	9.8	1700	220	11.0	0.3		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	5861	18-20K	88/75	2800 On/ 2450 Off	1600	129							
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/ 32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:		Condition:
	1 2	STC STC	M616M MSI616	PDC PDC	JD4357 JY3750	6 x 16's 6 X 16s	816 5631	4551 5861	3735 230	23.6	12.5 24.0	158.0 86.0	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
											See attached survey sheet.		

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-0600	24.00	Directionally drill 5631'- 5861'			
			Rig		
			Mud		
			MIRU		
			Bit/ Rmr		
			Rentals		
			Geologist & Mudlogger		
			Supervisor		
			Fuel/ Lube		
			Logs		
			Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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:	Limestone	
									100%			
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	24.0											24.0
Cum.:	259.0	58.5	10.0		11.0	14.5		17.0	1.0	6.0		377.0

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/25/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation: Directionally drilling at 5974'	DOL (2) 20	DFSS 2	DFS (2) 16	Current Depth: 5974'	24 Hour Footage: 113'	Hole Condition: Good	Lost Time Accidents None
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**Summary: Directionally drill 7-7/8" hole from 5861'- 5974' with 9.2- 9.5 ppg MW and 46-52 vis. Rig Repair- mud pump & power swivel. Add 4% Mix All to mud system in an effort to reduce torque.**

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth: 5974	Weight: 9.5	Viscosity: 52	Gel Strength: 13/27/--	Water Loss: 7.6	Filter Cake: 2/32	pH: 10	Chlorides PPM: 1700	Calcium PPM: 220	Solids %: 11.0	Sand %: 0.3		
Mud Pump:	Number: 1	Mnfctr: Gardner-Denver	Model: PZ-8	Stroke ("): 129 @ 95% eff	Liner ("): 6 1/4	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
Drilling Parameters:	Depth Interval: 5974	Weight on Bit: 18-20K	RPM: 88/75	Torque: 2800 On/ 2500 Off	Pump Press(PSI): 1700	SPM: 129	Average Drill Rate: 8.2	Ave. FPM. DP.:	Ave. FPM. DC.:	FPS.:	Hydr. Hp.:		
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/ 32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:		Condition:
	1 2	STC STC	M616M MSI616	PDC PDC	JD4357 JY3750	6 x 16's 6 X 16s	816 5861	4551 5974 1302' in 99.75 hrs= 13.1 fph	3735 113	23.6 8.2	Bit: 12.5 13.75	Cum. 158.0 99.75	
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>
0600-1300	7.00	Directionally drill 5861'- 5880'								Rig		
1300-1330	0.50	Lubricate Rig								Mud		
1330-1400	0.50	Rig Repair- drive line on mud pump								MIRU		
1400-1945	5.75	Directionally drill 5880'- 5972'								Bit/ Rmr		
1945-0445	9.00	Rig Repair- replace hydraulic system compenents, swivel filters, front pump block								Rentals		
0445-0500	0.25	Wash & Ream to bottom.								Geologist & Mudlogger		
0500-0600	1.00	Directionally drill 5972'- 5974'								Supervisor		
										Fuel/ Lube		
		<b>Note: Added 4% Mix All to mud system to help reduce torque. Mix All is a mineral oil based product.</b>								Logs		
										Wellhead, Tbg & Csg		
										Cement & Cementing		
		<b>Note: Dump shale pit to reduce solids content in mud.</b>								Contract Labor		
										Mob/Dmob		
										Directional		
										Trucking		
										Fishing		
										Access 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:	Limestone	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
Today:	13.75		0.5		0.25				Repair:	Other:	Footage:	Daywork:
Cum.:	272.75	58.5	10.5		11.25	14.5		17.0	10.5	6.0		401.00



# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/27/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Straight hole drilling at 6240"	22	2	18	6240'	116'	Good	None

**Summary:** Continue TOOH to LD directional tools and evaluate bit. LD directional tools and release directional drilling crew. Function test BOPE. PU and strap new straight hole mud motor. TIH with new PDC bit, straight hole mud motor, 4-6.25" DCS, 21 jts HWDP, Jars, 9 jts HWDP. Wash 30' to bottom as precaution. Drill 7-7/8" production hole from 6124'- 6240'. Rig Repair on power swivel (2.5 hrs).

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:	
	6262	9.7	43	9/17/-	8.8	2/32	9.7	2300	120	13.0	0.3	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4							
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.:	
	6240	15-18K	88/75	2750 On/ 2350 Off	1680	129	10.5					
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/ 32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:	Condition:
	1	STC	M616M	PDC	JD4357	6 x 16s	816	4551	3735	23.6	Bit: 12.5 Cum: 158.0	
	2	STC	MSi616	PDC	JY3750	6 x 16s	5974	6124	150	9.4	16.00 115.75	
	3	STC	MSi616	PDC	JD0604	6 x 16s	6124	6240	116	10.5	11.0 11.0	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy	
											See attached survey sheet.	

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-0830	2.50	Continue POOH. LD directional tools.			
0830-0900	0.50	Function test BOPE.			
0900-1630	7.50	PU and strap straight hole BHA (PDC bit, motor, 4-DC, 21-HWDP, Jars, 9 HW)			
1630-0030	8.00	Drill 7-7/8" production hole f/ 6124'-6218'.			
0030-0300	2.50	Rig Repair- Repair/replace front hydraulic pump & alternator on power swivel hyd pump			
0300-0600	3.00	Drill 7-7/8" production hole f/ 6218'- 6240'.			
			Geologist & Mudlogger		
			Supervisor		
			Fuel/ Lube		
			Logs		
			Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access Road & Location		
			Water		
<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:	Limestone	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	11.00	10.0						0.5	2.5			24.00
Cum.:	299.75	74.0	11.0		11.25	15.5		17.5	15.0	6.0		450.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/28/11**  
 Report Time: **0600 hrs**

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

State: **ML51885**  
 Lease: **OBA** Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219** API # **43-019-50008**

Location: **2465' FSL, 710' FWL**  
**SWNW Sec 2, T22S, R19E**  
**Grand County, Utah**

Contractor: **CapStar Drilling** Type: **Vertical** Elev **4799' graded**  
 Rig #: **315** Target: **White Rim- Cutler**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Straight hole drilling at 6461'	23	2	19	6461'	221'	Good	None

**Summary: Drill 7-7/8" production hole f/ 6240'- 6461'.**

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:	
	6484	9.6	47	10/22/-	7.2	2/32	9.4	2000	140	13.0	0.3	
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4							
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.:	
	6461	12-24K	88/65	2850 On/ 2550 Off	1550	129	10.5					
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/ 32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:	Condition:
	1	STC	M616M	PDC	JD4357	6 x 16s	816	4551	3735	23.6	Bit: 12.5 Cum. 158.0	
	2	STC	MSi616	PDC	JY3750	6 x 16s	5974	6124	150	9.4	16.00 115.75	
3	STC	MSi616	PDC	JD0604	6 x 16s	6240	6461	221	9.4	23.5 34.5		
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy	
											See attached survey sheet.	

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-0930	3.50	Drill 7-7/8" production hole f/ 6240'-6262'.		Rig	
0930-1000	0.50	Lubricate rig.		Mud	
1000-0600	20.00	Drill 7-7/8" production hole f/ 6262'-6461'.		MIRU	
				Bit/ Rmr	
				Rentals	
				Geologist & Mudlogger	
				Supervisor	
				Fuel/ Lube	
				Logs	
				Wellhead, Tbg & Csg	
				Cement & Cementing	
				Contract Labor	
				Mob/Dmob	
				Directional	
				Trucking	
				Fishing	
				Access Road & Location	
				Water	
<b>Total</b>	<b>24</b>			<b>Total</b>	

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Dolomite	Sand:	Anhydrite	6370-74
				20%	60%	10%					125u	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	23.50		0.5									24.00
Cum.:	323.25	74.0	11.5		11.25	15.5		17.5	15.0	6.0		474.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/29/11**  
 Report Time: **0600 hrs**

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

State: **ML51885**  
 Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Running openhole logs.	24	2	20	6502'	41	Good	None

**Summary:** Drill 7-7/8" production hole f/ 6461'- 6502' TD. Circulate and condition mud and bring weight to 10.0 ppg and vis to 60 sec/qt. Make wiper trip to surface casing shoe at 816'. Check for flow. No flow. TIH to 6502 and had 3' fill. Circulate & condition mud. TOOH. RU Halliburton logging crew and TIH with logs. Log on down pass. Loggers TD is 6505'. No fill. Commence logging uphole.

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	6484	9.6	47	10/22/-	7.2	2/32	9.4	2000	140	13.0	0.3		
Mud Pump:	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfctr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	6500	20-25K	88/65	2880 On/ 2550 Off	1612	129							
Bit Record:	No./Size	Mnfctr:	Type:	IADC	Serial #:	Jets (#/ 32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	M616M	PDC	JD4357	6 x 16s	816	4551	3735	23.6	12.5	158.0	
	2	STC	MSi616	PDC	JY3750	6 x 16s	5974	6124	150	9.4	16.00	115.75	
	3	STC	MSi616	PDC	JD0604	6 x 16s	6461	6502	41	8.2	5.0	39.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
											See attached survey sheet.		

To Time:	Hours:	<b>OPERATIONS</b>	<b>COST:</b>	<b>Today:</b>	<b>Cum.:</b>
0600-1100	5.00	Drill 7-7/8" production hole f/ 6461'- 6502' TD.	Rig		
1100-1300	2.00	Circulte & condition mud for logs. Bring weight to 10.0 ppg and vis to 60 sec/qt.	Mud		
1300-1600	3.00	Make wiper trip to surface casing shoe at 816'. Check for flow. No flow.	MIRU		
1600-1930	3.50	Trip back in hole to TD (6502'). Had 3' fill. CCM.	Bit/ Rmr		
1930-0200	6.50	POOH to run openhole logs.	Rentals		
0200-0600	4.00	RU Halliburton logging crew and equipment. TIH with quad-combo logging suite. (Induction/Resistivity/GR/CAL/Neutron/Density/ SP/PE/BHC Sonic). Loggers depth is 6505'.	Geologist & Mudlogger		
			Supervisor		
			Fuel/ Lube		
			Logs		
			Wellhead, Tbg & Csg		
			Cement & Cementing		
			Contract Labor		
			Mob/Dmob		
			Directional		
			Trucking		
			Fishing		
			Access 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	Dolomite	Sand:	Anhydrite	
				10%	60%	20%						
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:	5.00	13.0				2.0	4.0					24.00
Cum.:	328.25	87.0	11.5		11.25	17.5	4.0	17.5	15.0	6.0		498.00

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **08/30/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
TOOH. Prep to set btm cmt plugs	25	2	21	6502'	0	Good	None

**Summary:** Finish running wireline logs. TIH to condition hole & mud for plugging of lower 1/2 of hole and running production casing to 3400'. No hole problems tripping in hole. Tag btm at 6502'. No fill. CCM. Place production casing on racks and measure, drift and clean threads on casing. TOOH to prep for setting 2 cement plugs in bottom 1/2 of hole.

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:		
	6502	10.0	56	12/27/-	7.2	2/32	9.6	2100	140	13.0	0.3		
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4								
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.:		
	6502												
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:		Condition:
											Bit:	Cum.	
	1	STC	M616M	PDC	JD4357	6 x 16s	816	4551	3735	23.6	12.5	158.0	
	2	STC	MSi616	PDC	JY3750	6 x 16s	5974	6124	150	9.4	16.00	115.75	
	3	STC	MSi616	PDC	JD0604	6 x 16s	6461	6502	41	8.2	5.0	39.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy		
											See attached survey sheet.		

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-1030	4.50	Finish running openhole logs. Logger's TD- 6505'		Rig	
1030-1500	4.50	TIH to 6502' No hole problems. No fill.		Mud	
1500-2100	6.00	Circulate & condition hole. WO orders.		MIRU	
2100-2130	0.50	Rig service.		Bit/ Rmr	
2130-2200	0.50	Rig repair. Change out hydraulic filters.		Rentals	
2200-0000	2.00	Set in casing racks. Transfer mud and mix barite slug for trip to plug bottom hole.		Geologist & Mudlogger	
0000-0600	6.00	TOOH to LD BHA and prep to TIH open-ended to set cement plugs over bottom 1/2 of hole.		Supervisor	
				Fuel/ Lube	
				Logs	
		Received orders from J. Jones to P&A bottom 1/2 of hole f/ 3500'-TD.		Wellhead, Tbg & Csg	
				Cement & Cementing	
				Contract Labor	
				Mob/Dmob	
				Directional	
				Trucking	
				Fishing	
				Access Road & Location	
				Miscellaneous	
Total	24			Total	

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:
				C1	C2	C3	C4	C5	Dolomite	Sand:	Anhydrite	
Hours:	DRLG:	Trip:	Rig Serv:	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
									Repair:	Other:	Footage:	Daywork:
Today:		10.5	0.5			8.0	4.5		0.5			24.00
Cum.:	328.25	97.5	12.0		11.25	23.5	8.5	17.5	15.5	6.0		520.00



# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **09/01/11**

Report Time: **0600 hrs**

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

State: **ML51885**

Lease: **OBA**

Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219**

API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling**

Type: **Vertical**

Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315**

Target: **White Rim- Cutler**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Run 5-1/2" prod csg to 3400'.	27	2	23	6502'	0	Good	None

**Summary:** Finish TOOH. PU DCs and button bit and TIH. Tag 2nd cement plug at 3676' (24' below top of Wingate and 176' below proposed top of cement plug #2). Call Dustin Doucet with UDOGM and obtain verbal approval to leave top of cement plug #2 at 3676'. Circulate and condition mud. TOOH and LDDP. Load out HWDP. RU to run casing. MU float shoe, shoe joint and float collar. Run 56 joints new 5-1/2" 17.0 ppf HCP-110 LTC casing (the obvious overdesign of the production casing is due to the availability of 15.5 ppf K55 and 17.0 ppf N80, and the fact that both of those products would have taken over 24 hours to deliver and cost \$3.00 to \$6.00 per foot more F.O.B. location). Run DV tool at 1295.4' and external casing packer at 1309.46' (to middle of ECP). Run 35 bow spring centralizers at 1 every other joint starting with the middle of the shoe joint.

**Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904** Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:	
	6502	10.0	45	10/19/-	7.1	2/32	9.7	2100	140	13.0	0.3	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4							
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.:	
	6502											
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:	Condition:
	1	STC	M616M	PDC	JD4357	6 x 16s	816	4551	3735	23.6	Bit: 12.5 Cum. 158.0	
	2	STC	MSi616	PDC	JY3750	6 x 16s	5974	6124	150	9.4	16.00 115.75	
	3	STC	MSi616	PDC	JD0604	6 x 16s	6461	6502	41	8.2	5.0 39.5	
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy	
	See attached survey sheet.											

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-0830	2.50	TOOH laying down drillpipe to run casing.		Rig	
0830-1230	4.00	PU insert pit and DCs and TIH. Tag cement plug #2 at 3676' w 30K# (176' low to plan)		Mud	
		Receive verbal approval from Dustin Doucet of UDOGM to leave top of plug at 3676'.		MIRU	
1230-1330	1.00	CCM.		Bit/ Rmr	
1330-2100	7.50	TOOH laying down drill pipe. Load out HWDP.		Rentals	
2100-2300	2.00	RU Halliburton to run 5-1/2" production casing. Arrange casing order to fit ECP.		Geologist & Mudlogger	
2300-0600	7.00	MU float shoe, shoe joint, and float collar. Place bow spring centralizer on center of shoe joint. Run 34 additional centralizers every other casing collar. Run external casing pkr at 1297.93' (to the top) and 1309.46' to middle of ECP just below DV tool at 1295.4'.		Supervisor	
		Run total of 91 joints of 5-1/2" 17.0 ppf HCP-110 LTC production casing to 3472.31' RKB. Top of Float collar inside casing is 3434'.		Fuel/ Lube	
				Logs	
				Wellhead, Tbg & Csg	
				Cement & Cementing	
				Contract Labor	
				Mob/Dmob	
				Directional	
				Trucking	
				ECP	
				Access Road & Location	
				Miscellaneous	
Total	24			Total	

Mud Gas Units:	BG:	Conn.:	Trip:	Gas Chromatograph					Formation %:			Shows:	
				C1	C2	C3	C4	C5	Dolomite	Sand:	Anhydrite		
Hours:	DRLG:	Trip:	Rig Serv:	P&A	Clean Pit	Ream/ Wash:	Circ:	Log/ Csg Run:	Other:	Downtime		Totals:	
										Repair:	Other:	Footage:	Daywork:
Today:		14.0					3.0	7.0				24.00	
Cum.:	328.25	111.5	12.0	24.0		11.25	26.5	15.5	17.5	15.5	6.0	568.00	

# TIDEWATER OIL & GAS COMPANY LLC

## DAILY DRILLING REPORT

Report Date: **09/02/11**  
 Report Time: **0600 hrs**

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

State: **ML51885**  
 Lease: **OBA** Field: **Wildcat**

Well Name: **Tidewater State 2-12-2219** API # **43-019-50008**

Location: **2465' FSL, 710' FWL**

Contractor: **CapStar Drilling** Type: **Vertical** Elev **4799' graded**

**SWNW Sec 2, T22S, R19E**

Rig #: **315** Revised Target: **Navajo-Morrison-Mancos Shale**

**Grand County, Utah**

Current Operation:	DOL (2)	DFSS	DFS (2)	Current Depth:	24 Hour Footage:	Hole Condition:	Lost Time Accidents
Release Rig at 2000 hrs 9/2/11	28	2	24	PBTD: 3676'	0	Good	None

**Summary:** Finish running 5-1/2" 17.0 ppf HCP-110 LTC production casing to 3472'. DV tool at 1295.4' and external casing packer at 1309.76' to center of element. Top of float collar is 3434'. Cement in 2 stages as described below. Good circulation throughout both stages. Inflate ECP after opening DV Tool in prep for second stage. Bump plug on second stage at approximately 1500 hrs on 09-02-11. ND BOPE. Clean mud tanks. **Release CapStar 315 at 2000 hours 09-02-11.**

Walt Lowry (Ops Mgr/Engineer): 303-884-5505 Joe Valencia (Wellsite Supervisor): 505-419-8904 Cum Cost: **\$0**

Mud Properties:	Depth:	Weight:	Viscosity:	Gel Strength:	Water Loss:	Filter Cake:	pH:	Chlorides PPM:	Calcium PPM:	Solids %:	Sand %:	
	3676	10.1	45	10/19/-	7.1	2/32	9.7	2100	140	13.0	0.3	
Mud Pump:	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):	Number:	Mnfr:	Model:	Stroke ("):	Liner ("):	Rod Size ("):
	1	Gardner-Denver	PZ-8	129 @ 95% eff	6 1/4							
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.:	
	3676											
Bit Record:	No./Size	Mnfr:	Type:	IADC	Serial #:	Jets (#/32nds):	Depth In	Depth Out	Footage:	FPH:	Rotating Hours:	Condition:
	1	STC	M616M	PDC	JD4357	6 x 16s	816	4551	3735	23.6	Bit: 12.5 Cum. 158.0	
	2	STC	MSi616	PDC	JY3750	6 x 16s	5974	6124	150	9.4	16.00 115.75	
3	STC	MSi616	PDC	JD0604	6 x 16s	6461	6502	41	8.2	5.0 39.5		
Surveys:	Depth: (ft.)	Degrees:	Azimuth	Depth: (ft)	Degrees	Azimuth	Depth: (ft.)	Degrees:	Azimuth	TVD	Build Assy	
	See attached survey sheet.											

To Time:	Hours:	OPERATIONS	COST:	Today:	Cum.:
0600-2000	14.00	Finish running 5-1/2" 17.0 ppf HCP-110 LTC production casing to 3472'. DV tool at 1295.4' and external casing packer at 1309.76' to center of element. Top of float collar is 3434'. Casing shoe @ 3472'. Cement in 2 stages as described below. Good circ throughout both stages. Inflate ECP after opening DV Tool in prep for second stage. ND BOPE. Clean mud tanks. <b>Release Rig at 2000 hours on 09-02-11.</b>			

**5-1/2" 17 ppf HCP-110 LTC PRODUCTION CASING CEMENTED** in two stages as follows: **1st Stage-** Pmp 20 bbl mudflush spacer followed by 10 bbl FW. Mix & pump 585 sx Howco Expandacem mixed at 13.1 ppg w/ yield of 1.56 cf/sx w/ 7.7 gal/sx mix water displaced w/ 52 bbl FW and 27 bbl mud. Plug bumped 10 bbl prior to calculated. Floats held. Pressure up to 2500 psi hold for 5 min to set ECP. Drop bomb to open stage collar. Circ 25 bbls cement to surface. **2nd Stage-** Pump 10 bbl FW, 20 bbl mudflush, 10 bbl FW. Mix & pump 235 Expandacem mixed at 13.1 ppg w/ 1.56 cf.sx yield and mixed w/ 7.7 gal/sx water. Good returns throughout job. Return 26 bbls cement to surface. Drop bomb. & press up to 2100 psi to close DV Tool. Bump plug at 1500 hrs 09-02-11.

Geologist & Mudlogger	
Supervisor	
Fuel/ Lube	
Logs	
Wellhead, Tbg & Csg	
Cement & Cementing	
Contract Labor	
Mob/Dmob	
Directional	
Trucking	
ECP	
Access Road & Location	
Miscellaneous	
<b>Total</b>	

Mud Gas Units:	BG:											Formation %:	Shows:		
												Dolomite	Anhydrite		
Hours:	DRLG:	<b>FINAL DAILY DRILLING REPORT. TURN WELL OVER TO COMPLETION OPERATIONS.</b>										Downtime	Totals:		
Today:												Repair:	Other:	Footage:	Daywork:
Cum.:	328.25	111.5	12.0	24.0		11.25	26.5	29.5	17.5	15.5	6.0		582.00		



<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> ML-51885 OBA
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> TIDEWATER STATE 2-12-2219	
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC	<b>9. API NUMBER:</b> 43019500080000	
<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> 2465 FNL 0710 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 02 Township: 22.0S Range: 19.0E 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: 9/2/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input checked="" 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 type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b></p>		
<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> 12/28/2011	

Please refer to the attached "As-Built Wellbore Construction Diagram" for more specific information regarding the drilling and completion of the Tidewater State 2-12-2219 well. On August 31, 2011 Walter Lowry with Tidewater Oil & Gas Company LLC received verbal approval from Dustin Doucet with the UDOGM to plug back the open hole from a driller's TD of 6502' MD to a depth of 3500' MD (above the top of the Wingate formation). Tidewater did not encounter any oil, gas or water shows from 3500' through TD of 6502'. The well was plugged back via setting of 2 open hole cement plugs from 6000'-6502' and from 3676'-3926'. The second cement plug fell below the originally agreed upon setting depth. Subsequent discussions with Mr. Doucet on September 1, 2011 resulted in his approval of the plug's sufficient setting depth. Both plugs were set using Howco PlugCem Class G cement + 0.3% Halad 322 + 0.2% CFR-3 + 0.1% Versaset mixed at 15.8 ppg with 1.15 cf/sx yield. 5-1/2" 17.0 ppf HCP-110 LTC production casing was set at 3472 with a float shoe, 1 shoe joint and float collar. Top of float collar at 3434'. A MSC (multi-stage cementing tool) was placed in the string at 1295' with an external casing packer (ECP) at 1310'. The production casing was cemented in two stages as follows: 1<sup>st</sup> Stage: Pump 10 bbl FW, 20 bbl mudflush, and 10 bbl FW as spacer. Mix & pump 585 sx Howco Expandacem cement mixed at 13.1 ppg with 1.56 cf/sx yield using 7.7 gal/sx mix water. Displace with 52 bbls FW & 27 bbls mud. Bump plug. Floats held. Good returns throughout. Pressure up to 2500 psi to set ECP @ 1310'. Open MSC tool. Pump 80 bbls mud & return 25 bbls cement to surface on 1<sup>st</sup> Stage. 2<sup>nd</sup> Stage: Pump 10 bbls FW, 20 bbls mudflush, 10 bbls FW as spacer. Mix & pump 235 sx Howco Expandacem cement mixed at 13.1 ppg w/ 1.56 cf/sx yield using 7.7 gal/sx mix water. Bump plug and return 26 bbls cement to surface. Good returns throughout job. Pressure up to 2100 psi to close MSC tool. Release CapStar Rig #315 at 2000 hours on 09/02/2011. Additional Sundry Notices will follow with regard to completion operations on well.

## Tidewater State 2-12-2219

### "As-Built" Construction Diagram

CapStar Rig #315

Well: Tidewater State 2-12-2219

Well Type: Vertical

Surface Location: 2465' FNL & 710' FWL Sec 2-T22S-R19E

Latitude / Longitude: Lat: 38.928581°, Long: -109.794428°

Bottom Hole Location: 2465' FNL & 710' FWL Sec 2-T22S-R19E

Plug Back TD: 3465' MD/ 3456' TVD (5-1/2" production casing shoe depth)

Actual TD: 6502' MD/ 6490' TVD driller (6505' MD/ 6493' TVD logger)

Permitted TD: 7900' MD/TVD

Field: Wildcat

API Well Number: 43-019-50008

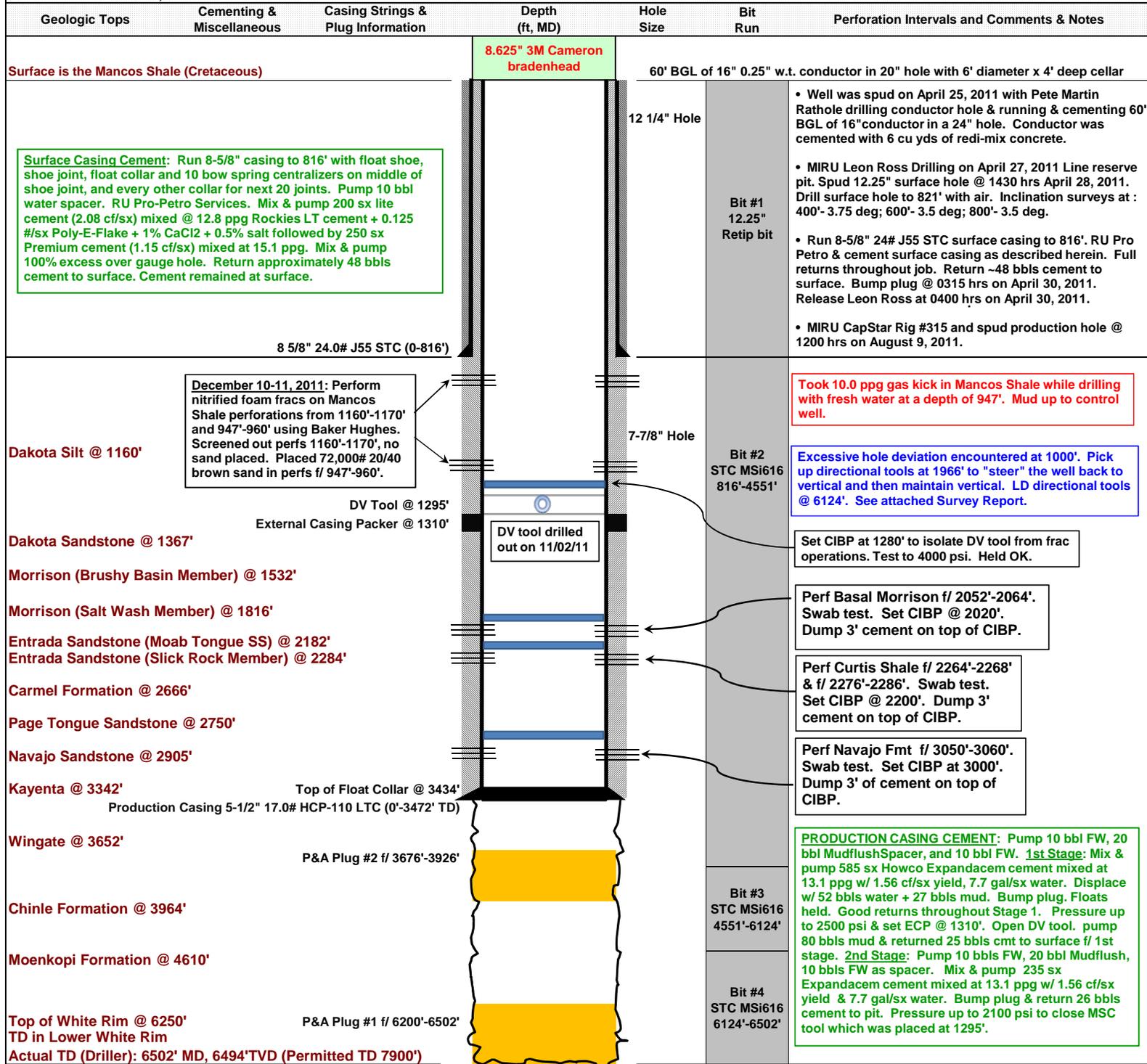
GL Elevation (ft): 4799'

KB to GL (ft): ~11'

Original Completion Objectives: Evaluate Cutler & White Rim Formations

Revised Completion Objective: Mancos Shale gas

Author-Version-Date: WDL - ver 3 - 28 December 2011



#### APPROVALS

Prepared By: December 28, 2011  
Date

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-51885 OBA	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> TIDEWATER STATE 2-12-2219
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC	<b>9. API NUMBER:</b> 43019500080000
<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> 2465 FNL 0710 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 02 Township: 22.0S Range: 19.0E 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"/> 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"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<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.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 June 27, 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> 6/25/2012	

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

Date	Continuous Drilling, Completions, and Workover Operations
April 21, 2011	Begin building location and access road in to Tidewater State 2-12-2219.
April 22, 2011	Work on access road and location.
April 23, 2011	Work on access road and location.
April 24, 2011	Easter Sunday. No activity.
April 25, 2011	Finish location and access road construction. Dig reserve pit. Wait on pit liner. Build fence around 3 sides of reserve pit. MIRU Pete Martin Drilling to drill 20" conductor hole to 60' BGL.
April 26, 2011	Weld and run 60' of 16" conductor casing in well and cement with redi-mix cement down backside. Cement stayed at surface.
April 27, 2011	Blade and water access road. Have 850' of 8-5/8" 24.0 ppf J55 STC casing delivered to location. Have 500 bbl frac tank delivered to location. Spot same. Fill tank with fresh water. Move in Leon Ross Drilling's small surface rig.
April 28, 2011	Rig up Leon Ross Drilling's surface setting rig. Spud 12-1/4" surface hole with air at approximately 1430 hrs.
April 29, 2011	Drill 12-1/4" surface hole to 826' (with KB of 5') using air & air/mist. No shows of oil, gas, or water during entire operation. Surveys taken @ 200'- 2.0 deg; 400'- 3.75 deg; 600'- 3.50 deg; 800'- 3.50 deg. Run 821' of 8-5/8" 24.0 ppf J55 STC surface casing and set at 816' KB (KB = 5').
April 30, 2011	Cement casing with: <b>Lead:</b> 200 sx 65% Premium Cement / 35% POZ + 6% gel + 3% salt + 0.2% CFL-117 + 1/4 pps Flocele mixed at 13.1 ppg and 1.69 cu ft/sx yield. <b>Tail:</b> 250 sx Premium Cement + 2% CaCl2 + 1/4 pps Flocele mixed at 15.8 ppg and 1.15 cu ft/sx yield. Return 48 bbls cement to surface. Bump plug at 0315 hrs 4/30/2011. Floats held. Cement at surface. Release surface rig @ 0400 hrs 04/30/2011.
May 1, 2011 through May 31, 2011	Weld plate on top of surface casing until big rig moves in casing to prevent debris from falling in hole. Grade location and prepare for drilling rig. Repair road.
June 1, 2011 through June 30, 2011	Place plastic pit liner from edge of reserve pit to approximately
July 1, 2011 through July 21, 2011	Water road to assist in packing for heavy loads and dust control.
July 22, 2011	Grade road to prepare for rig move.
July 23, 2011	Deliver gravel and spread over low spots.
July 24, 2011	Fix low spot in road with rock to get rig in, and repair washouts. Forklift delivered to location.
July 25, 2011	Wellhead located and procured. Deliver wellhead.
July 26, 2011	Dig cellar around conductor casing and install cellar ring. Prepare to cut-off conductor and surface casing strings BGL.
July 27, 2011	Fix low spot in road with rock to get rig in, and repair washouts. Place portable toilets. Weld and test bradenhead.
July 28, 2011	Commence moving in CapStar Rig #315 rig equipment. Mud motors, jars, and rotating head.
July 29, 2011	Road work- place additional rock in washed out portions of road. MIRU CapStar Rig 315 equipment.
July 30, 2011	Drilling equipment (drilling jars, PDC bits) delivered to site. Prepare location for delivery of camps.
July 31, 2011	Company camps delivered to drilling site. Spot camps and install water & sewer systems.
August 1, 2011	Hook up generators and electric panels for company camps. Prep electrical for pushers camp. Clean company camps.
August 2, 2011	Low water crossing partially washed out due to excessive rain. Repair lease road for moving in rig. Work on pre-mix tank to manifold to rig tank.
August 3, 2011	Finish building up low water crossing. Prepare location for rig move. Finish preparation of pre-mix mud tank to manifold with rig tank.
August 4, 2011	Fill frac tank with fresh water. Place fresh water from drilling fluid in reserve pit. Spot pre-mix tank. Modify reserve pit to accommodate CapStar #315.
August 5, 2011	Final preparation of access road & well location. Place FW in reserve pit. Fill frac tank with FW. CapStar #315 is on the road to Tidewater location to resume drilling production hole.
August 6, 2011	Begin moving MIRU rig equipment for CapStar Rig #315. Modify reserve pit to accommodate 2 surface pit system. Work on manifolding pits. WO rig equipment.
August 7, 2011	MIRU CapStar Rig #315. RU Pason well monitoring equipment. NU BOPE. Modify catwalk. RU centrifuge. WO missing equipment to finish RU of Rig #315. Trucks broke down during rig move from Worland, WY.
August 8, 2011	WO choke line & pump hose which were on a broken down truck during rig move. Nipple up choke line. Test BOPE. Did not hold. Repair rams and tighten studs & nuts on flanges. Test pipe & blind rams to 3000 psi for high test and 250psi for low test. Held tite. Test annular preventer to 1500 psi, would not hold. WO replacement annular preventer. RU annular, test to 1500 psi, would not hold. WO annular preventer from CapStar. Plan to go on company time after annular passes pressure test. Annular preventer scheduled to arrive on location at 0900 hrs 08-09-11.
August 9, 2011	Test new annular to 1500 psi. MU BHA. Install rotating head. Drill surface casing float collar, shoe jt, float shoe. Drill new 7-7/8" production hole f/ 826'-957'. Check flow. Mud up. Drill to 1119'.
August 10, 2011	Drill 7-7/8" production hole from 1119'-1681'. POOH. PU IBS stabilizer at 70' above bit to control direction. TIH.
August 11, 2011	Drill f/ 1681'-1965'. POOH. LD IBS. PU bent motor and MWD tool to directionally drill and correct well back to vertical. TIH.

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

August 12, 2011	Finish TIH. Directionally drill 7-7/8" production hole f/ 1965'-2882'.
August 13, 2011	Directionally drill 7-7/8" production hole f/ 2882'-3178'. RU gas buster.
August 14, 2011	Directionally drill 7-7/8" production hole f/ 3178'- 3361'.
August 15, 2011	Directionally drill 7-7/8" production hole f/ 3361'- 3750'.
August 16, 2011	Directionally drill 7-7/8" production hole f/ 3750'- 4407'.
August 17, 2011	Directionally drill 7-7/8" production hole f/ 4407'- 4551'. Circulate and trip for new bit.
August 18, 2011	TIH & ream thru bridges to 4551'. Directionally drill 7-7/8" production hole f/ 4551'- 4862'.
August 19, 2011	Directionally drill 7-7/8" production hole f/ 4862'- 5155'. POOH to PU reaming assembly.
August 20, 2011	PU reamers and wash & ream from 1500' to 5155'. Condition hole.
August 21, 2011	Wash & ream tite spots in wellbore. TOOH to PU directional tools.
August 22, 2011	LD DCs. PU HWDP. TIH. Ream f/ 1673'-2143'. Directionally drill 7-7/8" production hole f/ 5155'- 5256'.
August 23, 2011	Directionally drill 7-7/8" production hole f/ 5256'- 5631'.
August 24, 2011	Directionally drill 7-7/8" production hole f/ 5631'- 5861'.
August 25, 2011	Directionally drill 7-7/8" production hole f/ 5861'- 5974'.
August 26, 2011	Directionally drill 7-7/8" production hole f/ 5974' - 6124'. Trip out of hole to LD directional tools.
August 27, 2011	Finish TOOH. LD directional drilling tools Function test BOPE, Pick up non-directional BHA. TIH. Drill straight f/ 6135' to 6240'.
August 28, 2011	Drill 7-7/8" production hole f/ 6240'- ' 6461'.
August 29, 2011	Drill 7-7/8" production hole f/ 6461'- 6502' (Driller's TD). Prepare to run electric logs.
August 30, 2011	Run openhole electric logs with Halliburton (Logger's TD= 6505'). TIH to 6502' TD. Circulate and condition mud & hole . Wait on Orders. Rig service & rig repair. Set casing racks in place. TOOH to LD BHA and prep to TIH open-ended to set cement P&A plugs or plugs.
August 31, 2011	Finish TOOH & LD BHA. TIH open-ended in preparation of setting plugs over bottom 1/2 of wellbore. Decision made to abandon lower portion of hole from 3400' to 6502'. (NOTE: At this time there is not a sufficient expectation of advancing production of the Leased Substances in paying quantities from under the Leased Premises. However, Tidewater will continue to investigate enhanced evaluation technology and state-of-the-art production techniques in an effort to establish production of Leased Substances in paying quantities from this well on the Leased Premises.) Circulate & condition mud and WO Howco. RU Howco. Set P&A plug #1 from 6502'-6200' w/ 110 sx PlugCem cement at 15.8 ppg. POOH laying down DP to 3878'. Pump and set P&A Plug #2 f/ 3750'-3600' (over top Wingate formation) using 110 sx PlugCem cement plus additives mixed at 15.8 ppg. POOH w/ 14 jts DP. Circ btms up, no cement contamination.
September 1, 2011	TOOH laying down DP leaving sufficient DP to make conditioning run with bit and BHA in preparation for running casing. PU DCs and TIH. Tag top of P&A plug #2 at 3676' . Circulate & condition mud while contacting UDOGM. Receive verbal approval of establishing a lower top of P&A plug #2 than designed from D. Doucet w/ UDOGM. Resume TOOH laying down drill string. RU Halliburton. Run float shoe, shoe joint, float collar and 90 jts of 5-1/2" 17.0 ppf HCP-110 LTC production casing to 3472' RKB. Run DV tool at 1295' and external casing packer at 1309.5' (to middle of pkr). Top of FC at 3431'.
September 2, 2011	Finish running 5-1/2" production casing to 3472'. Circulate and condition mud. Cement casing in two stages with good returns throughout job on both stages. After pumping first stage and verifying the floats held,, open DV tool and set external casing packer at 1310' with 2500 psi pressure.. Circulate out excess cement. Mix & pump second stage cement. Bump second plug and close DV tool. WOC. While WOC begin nipple down BOPE. Set 5-1/2" casing slips. Cut off surface casing and make rough and final cuts on 5-1/2" casing. NU tubing head and place cap on tubing head. Clean mud tanks. Release rig at 2000 hrs on 9/2/2011.
September 3, 2011	Tear down rig and load out on trucks. Clean up location.
September 4, 2011	Evaluate electric logs and recompute based upon new information. Begin identifying specific zones of interest for completion operations.
September 5, 2011	Evaluate electric logs in conjunction with mud log. Design completion procedure.
September 6, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 7, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 8, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 9, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 10, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 11, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 12, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 13, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 14, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 15, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 16, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 17, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 18, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 19, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 20, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 21, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

September 22, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 23, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 24, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 25, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 26, 2011	Receive and analyze bids for perforating & acidizing services, and downhole plugs and packers.
September 27, 2011	Solicit and analyze bids for tubulars.
September 28, 2011	Work with service and equipment suppliers to refine bids for work and tangible equipment for completion of the Tidewater State 2-12-2219 well.
September 29, 2011	Work with service and equipment suppliers to refine bids for work and tangible equipment for completion of the Tidewater State 2-12-2219 well.
September 30, 2011	Work with service and equipment suppliers to refine bids for work and tangible equipment for completion of the Tidewater State 2-12-2219 well.
October 1, 2011	
October 2, 2011	Final Recommended Completion Procedure distributed to working interest owners and partners.
October 3, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 4, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 5, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 6, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 7, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 8, 2011	
October 9, 2011	Begin awarding work for services and equipment for Tidewater State 2-12-2219 well.
October 10, 2011	Begin awarding work for services and equipment for Tidewater State 2-12-2219 well.
October 11, 2011	Pull cellar ring fill cellar in anticipation of completion rig moving in.
October 12, 2011	Set anchors for completion rig on Tidewater State 2-12-2219 well.
October 13, 2011	Refine completion procedure based upon new developments regarding availability of equipment and the fact that hydraulic fracturing crews and equipment are in short supply (high demand).
October 14, 2011	Informed by Key Energy Services that rig was delayed trying to retrieve a packer with pressure built up underneath on a Stone Energy well near Moab.
October 15, 2011	
October 16, 2011	Confirmed with Key Energy Services that completion rig would likely be delayed one week. New MIRU date for the Tidewater State 2-12-2219 well is estimated to be the week of October 24, 2011.
October 17, 2011	Key Energy update looks like a full week delay for MIRU completion rig. Expect rig on or about October 24, 2011.
October 18, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 19, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 20, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 21, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 22, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 23, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 24, 2011	On October 17, 2011 the estimated date for MIRU Key Energy Services completion rig was 10/24/11. Stone Energy now involved in fishing operation with 1400 psi on well. Using snubbing unit for trips. Tidewater questioning whether Rig 232 will be finished with Stone in a timely manner. Begin search for a replacement rig in case Key Energy is tied up any longer. New date for Key Energy to move to Tidewater State 2-12-2219 is October 28, 2011, and appears optimistic. Tidewater ordered tubing for well, and tubing is to be delivered Monday, October 31, 2011. Tidewater orders additional 500 bbl frac tanks and schedules for delivery Monday, October 31, 2011.

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

October 25, 2011	<p>Perform secondary completion rig canvas for back-up rig to Key Energy Services Rig #232. Initial contacts produced a lead on a rig with potential for immediate availability. Found Basic Energy Rig available east of Grand Junction headed back to the Rangely Field.</p> <ol style="list-style-type: none"> <li>1. Temples Well Service, Vernal, UT: Chris (435) 790-1211 Chris (Vernal) (435) 790-1211. May have rig in 2-3 weeks depending on contract renegotiations with the Ute (?) Tribal Council.</li> <li>2. Stuart Mortensen, (435) 823-2065 (former Basic Energy Services, own consulting for El Paso Natural Gas) <b>Found Basic Energy Services rig based out of Rangely, CO but temporarily working just east of Grand Junction.</b> Mike Sexton (Parachute): (970) 260-3856 cell or (970) 941-6029 office Bob Staley (Area Manager) (970) 574-7158 cell or (970) 675-2380 Gary Staley (Yard Manager) (970) 675-2380</li> <li>3. Key Energy Services, Grand Junction, CO (check for availability of any other rigs) Baxter Powell (District Manager) (435) 828-7848 Chris Blake (Rig #232 pusher) (970) 589-6039</li> <li>4. Nabors, Roosevelt, UT: Ray (Manager) (435) 823-6753 (on a tip from Stuart Mortensen) May have a rig available approx 11/04/11.</li> <li>5. Bob Beeman Drilling Moab, UT (435) 259-7281 Left Message. No call back.</li> <li>6. Aztec Well Service, Farmington, NM Jason Sandel (505) 334-6194 Left Message.</li> </ol> <p>Commence negotiations with Basic Energy Services for work on Tidewater State 2-12-2219 as soon as they can get their crews and rig together.</p>
October 26, 2011	Tidewater has Cameron field service personnel deliver and install 11" 3M X 7-1/16" 5M tubing head and install same in preparation of moving in completion rig. Tidewater calls to Key Energy Services personnel for updates on rig status not returned for nearly 24 hours. Tidewater begins finalizing negotiations with Basic Energy Services for replacement rig. Tidewater continues awarding bids to various service and equipment providers.
October 27, 2011	Key Energy contact calls Tidewater with update. Key Rig 232 is going to be delayed up to another week. Tidewater firms up agreement with Basic Energy Services and replacement rig scheduled to be on Tidewater State 2-12-2219 location on Tuesday, November 1, 2011 or Wednesday, November 2, 2011 to commence completion operations on well.
October 28, 2011	Tidewater attempting to accelerate MIRU time for Basic Energy Services completion rig to Monday, October 31, 2011. No decision re: accelerated MIRU at the time of this report.
October 29, 2011	No Activity.
October 30, 2011	No Activity.
October 31, 2011	Gather crew in Rifle, CO for Basic Energy Services Completion Rig #1551. Road rig to Crescent Junction, UT and park overnight.
November 1, 2011	MIRU Basic Energy Services Rig #1551. Unload, rabbit, and tally tubing. NU BOPE.
November 2, 2011	WO water. Test BOPE to 1500 psi w/ rig pump. PU 4-3/4" DCs and bit. TIH to top ofv DVTool at 1295'. RU powerswivel. Drill out DV Tool. TIH and tag Float Collar @ 3434'. POOH. LD but. PU casing scraper. Scrape casing to 1 joint above FC. POOH. LD scrapper. SDFN.
November 3, 2011	Displace hole w/ 2% KCl. RU Schlumberger and run Radial CBL. TIH w/ tubing & swab well down to 2200'. RU Schlumberger. TIH and perforate f/ 3050'-3060' w/ 4 spf 90 deg phasing. No blow or sign of hydrocarbons. RD wireline. SDFN.
November 4, 2011	Swab well. Recover 60 bbls. Obtain fluid sample. Fluid entry rate- 9 bfph. Leave FL at 1200'. SDFN.
November 5, 2011	Check No pressure, no gas. TIH w/ CIBP and set at 3000'. Dump 2 sx cement on top of CIBP. Fill hole w/ 2% KCl water. Test CIBP to 1500 psi. TIH and perforate f/ 2264'-2268' & 2276'-2286'. No blow, no gas. No rise in fluid level. TIH w. tubing. Swab well down to top perf at 2264'. Secure well. SD until Monday.
November 6, 2011	No Activity. No pressure on well.
November 7, 2011	POOH w/ tubing. TIH w/ CIBP & set at 2200'. Dump 2 sx cement on top of CIBP. TIH w/ tubing. Swab FL down to 1800. TIH w/ perforating guns and perf from 2052'- 2064' w/ 4 spf at 90 deg hasing. No initial bliow. No gas. Swab well. No signs of gas. Secure well & SDFN.
November 8, 2011	Swab well. Break down formation w 2% KCl water Establish pump-in rates. Swab well. Rev=cover 44 bbl fluid. Obtain water sample from formation.
November 9, 2011	Swab well. Minimal fluid entry. TIH w/ CIBP and set at 2025'. Dump 2 sx cedment on top of CIBP. ND BOPE. Install tubing hanger in tubing head. Install plate on top of tubing head. RD Basic Energy Services Rig #1551. Release rig. Sevcurer well. SD waiting on frac day for Mancos Shale.
November 10, 2011	Well shut in waiting on frac date for Mancos Shale.
November 11, 2011	Obtain frac date from Baker Hughes of December 10, 2011. Design and model Mancos frac treatment.
November 12, 2011	No Activity.
November 13, 2011	No Activity.
November 14, 2011	WO frac date of Baker Hughes of December 10, 2011. Design and model Mancos frac treatment.
November 15, 2011	WO frac date of Baker Hughes of December 10, 2011. Design and model Mancos frac treatment.
November 16, 2011	Identify ancillary services, equipment & personnel necessary to support & effectuate nitrified foam fracture treatment of two porosity zones within the Mancos Shale.
November 17, 2011	Identify ancillary services, equipment & personnel necessary to support & effectuate nitrified foam fracture treatment of two porosity zones within the Mancos Shale.
November 18, 2011	Obtain quotes/bids for ancillary service & equipment providers. Begin analyzing bids.
November 19, 2011	No Activity.

TIDEWATER OIL and GAS COMPANY LLC  
Drilling Operations Summary for  
Tidewater State 2-12-2219

November 20, 2011	No Activity.
November 21, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 22, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 23, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 24, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 25, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 26, 2011	No Activity.
November 27, 2011	No Activity.
November 28, 2011	Award work to various service & equipment providers & begin scheduling same.
November 29, 2011	Award work to various service & equipment providers & begin scheduling same.
November 30, 2011	Award work to various service & equipment providers & begin scheduling same.
December 1, 2011	Award work to various service & equipment providers & begin scheduling same.
December 2, 2011	Award work to various service & equipment providers & begin scheduling same.
December 3, 2011	No Activity.
December 4, 2011	No Activity.
December 5, 2011	Refine completion procedure based upon new information and availability of equipment.
December 6, 2011	Make final preparations for frac. Frac date moved up to 12/09/11. Will perforate first zone on 12/08/11. Rigging up well testers on 12/08/11.
December 7, 2011	MIRU Weatherford Well Testers equipment. Fill frac tanks with 4% KCl water. Deliver, install & test Cameron 5M frac valve.
December 8, 2011	Deliver & install Weatherford test separator.RMWS sets CIBP at 1280' above MSC tool.Deliver and spot baker Hughes Sandmaster. Deliver forklift and light plants. Perforate Mancos Shale from 1160'-1170'.
December 9, 2011	Deliver 80,000# 20/40 brown frac sand. MIRU remainder of Baker Hughes frac equipment. Heat 4% KCl makeup water to 100 deg F. Finish rigging up Weatherford testers and Baker Hughes frac equipment.
December 10, 2011	Break down and frac Mancos perms from 1160'-1170'. Perfs sanded up immediately. Circ out sand. Sert flow through packer at 1090'. Perf upper mancos Shale interval from 947'-960'.
December 11, 2011	Frac Upper mancos Shale interval and put away 70,000#'s 20/40 brown frac sand. RD Baker Hughes. Begin flowing back and testing well.
December 12, 2011	Flowback and test well.
December 13, 2011	Flowback and test well. RD Weatherford well testers. Shut in well for pressure build up.
December 14, 2011	Monitor pressure build up of well and commence reservoir and potential reserve analysis
December 15, 2011	Monitor well.
December 16, 2011	Monitor well.
December 17, 2011	Monitor well.
December 18, 2011	Monitor well.
December 19, 2011	Monitor well.
December 20, 2011	Monitor well.
December 21, 2011	Monitor well.
December 22, 2011	Monitor well.
December 23, 2011	Monitor well.
December 24, 2011	Monitor well.
December 25, 2011	Monitor well.
December 26, 2011	Monitor well.
December 27, 2011	Monitor well.
December 28, 2011	Monitor well.
December 29, 2011	Monitor well.
December 30, 2011	Monitor well.
December 31, 2011	Monitor well.
January 1, 2012	Monitor well.
January 2, 2012	Monitor well.
January 3, 2012	Monitor well.
January 4, 2012	Monitor well.
January 5, 2012	Monitor well.
January 6, 2012	Monitor well.
January 7, 2012	Monitor well.
January 8, 2012	Monitor well.
January 9, 2012	Monitor well.
January 10, 2012	Monitor well.
January 11, 2012	Monitor well.
January 12, 2012	Monitor well.

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January 13, 2012	Monitor well.
January 14, 2012	Monitor well.
January 15, 2012	Monitor well.
January 16, 2012	Monitor well.
January 17, 2012	Monitor well.
January 18, 2012	Monitor well.
January 19, 2012	Monitor well.
January 20, 2012	Monitor well.
January 21, 2012	Monitor well.
January 22, 2012	Monitor well.
January 23, 2012	Monitor well.
January 24, 2012	Monitor well.
January 25, 2012	Monitor well.
January 26, 2012	Monitor well.
January 27, 2012	Monitor well.
January 28, 2012	Monitor well.
January 29, 2012	Monitor well.
January 30, 2012	Monitor well.
January 31, 2012	Monitor well.
February 1, 2012	Monitor well.
February 2, 2012	Monitor well.
February 3, 2012	Monitor well.
February 4, 2012	Monitor well.
February 5, 2012	Monitor well.
February 6, 2012	Monitor well.
February 7, 2012	Monitor well.
February 8, 2012	Monitor well.
February 9, 2012	Monitor well.
February 10, 2012	Monitor well.
February 11, 2012	Monitor well.
February 12, 2012	Monitor well.
February 13, 2012	Lay blow down line from wellhead to reserve pit. Stake line. Consultant retained to check & record wellhead pressures and to blow down well.
February 14, 2012	Monitor well.
February 15, 2012	Monitor well.
February 16, 2012	Consultant retained to check & record wellhead pressures and to blow down well.
February 17, 2012	Monitor well.
February 18, 2012	Monitor well.
February 19, 2012	Monitor well.
February 20, 2012	Monitor well.
February 21, 2012	Monitor well.
February 22, 2012	Monitor well.
February 23, 2012	Monitor well.
February 24, 2012	Monitor well.
February 25, 2012	Monitor well.
February 26, 2012	Monitor well.
February 27, 2012	Monitor well.
February 28, 2012	Monitor well.
February 29, 2012	Remove fluid from frac tanks and move to Federal 29-44-2119 well. Release tank and load on truck for delivery to Grand Junction.
March 1, 2012	Monitor well.
March 2, 2012	Monitor well.
March 3, 2012	Monitor well.
March 4, 2012	Monitor well.
March 5, 2012	Monitor well.
March 6, 2012	Monitor well.
March 7, 2012	Monitor well.
March 8, 2012	Monitor well.

TIDEWATER OIL and GAS COMPANY LLC  
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March 9, 2012	Monitor well.
March 10, 2012	Monitor well.
March 11, 2012	Consultant retained to check & record wellhead pressures and to blow down well.
March 12, 2012	MIRU Basic Energy Services Rig #1448. RD tree. NU BOPE. Unload & strap tubing. TIH & swab test well.
March 13, 2012	Monitor well.
March 14, 2012	Monitor well.
March 15, 2012	Monitor well.
March 16, 2012	Monitor well.
March 17, 2012	Monitor well.
March 18, 2012	Monitor well.
March 19, 2012	Monitor well.
March 20, 2012	Monitor well.
March 21, 2012	Repair fence around reserve pit and make stock tight.
March 22, 2012	Monitor well.
March 23, 2012	Monitor well.
March 24, 2012	Monitor well.
March 25, 2012	Monitor well.
March 26, 2012	Clean up location and release tanks and porta-potties.
March 27, 2012	Monitor well.
March 28, 2012	Monitor well.
March 29, 2012	Monitor well.
March 30, 2012	Monitor well.
March 31, 2012	Monitor well.
April 1, 2012	Monitor well.
April 2, 2012	Monitor well.
April 3, 2012	Monitor well.
April 4, 2012	Monitor well.
April 5, 2012	Monitor well.
April 6, 2012	Monitor well.
April 7, 2012	Monitor well.
April 8, 2012	Monitor well.
April 9, 2012	Monitor well.
April 10, 2012	Monitor well.
April 11, 2012	Monitor well.
April 12, 2012	Monitor well.
April 13, 2012	Monitor well.
April 14, 2012	Monitor well.
April 15, 2012	Monitor well.
April 16, 2012	Monitor well.
April 17, 2012	Monitor well.
April 18, 2012	Monitor well.
April 19, 2012	Monitor well.
April 20, 2012	Monitor well.
April 21, 2012	Monitor well.
April 22, 2012	Monitor well.
April 23, 2012	Monitor well.
April 24, 2012	Monitor well.
April 25, 2012	Monitor well.
April 26, 2012	Monitor well.
April 27, 2012	Monitor well.
April 28, 2012	Monitor well.
April 29, 2012	Monitor well.
April 30, 2012	Monitor well.
May 1, 2012	Monitor well.
May 2, 2012	Monitor well.
May 3, 2012	Monitor well.

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May 4, 2012	Monitor well.
May 5, 2012	Monitor well.
May 6, 2012	Monitor well.
May 7, 2012	Monitor well.
May 8, 2012	Monitor well.
May 9, 2012	Monitor well.
May 10, 2012	Monitor well.
May 11, 2012	Monitor well.
May 12, 2012	Monitor well.
May 13, 2012	Monitor well.
May 14, 2012	Monitor well.
May 15, 2012	Monitor well.
May 16, 2012	Monitor well.
May 17, 2012	Monitor well.
May 18, 2012	Monitor well.
May 19, 2012	Monitor well.
May 20, 2012	Monitor well.
May 21, 2012	Monitor well.
May 22, 2012	Monitor well.
May 23, 2012	Monitor well.
May 24, 2012	Monitor well.
May 25, 2012	Monitor well.
May 26, 2012	Monitor well.
May 27, 2012	Monitor well.
May 28, 2012	Monitor well.
May 29, 2012	Monitor well.
May 30, 2012	Monitor well.
May 31, 2012	Monitor well.
June 1, 2012	Monitor well.
June 2, 2012	Monitor well.
June 3, 2012	Monitor well.
June 4, 2012	Monitor well.
June 5, 2012	Monitor well.
June 6, 2012	Monitor well.
June 7, 2012	Monitor well.
June 8, 2012	Monitor well.
June 9, 2012	Monitor well.
June 10, 2012	Monitor well.
June 11, 2012	Monitor well.
June 12, 2012	Monitor well.
June 13, 2012	Monitor well.
June 14, 2012	Monitor well.
June 15, 2012	Monitor well.
June 16, 2012	Monitor well.
June 17, 2012	Monitor well.
June 18, 2012	Monitor well.
June 19, 2012	Monitor well.
June 20, 2012	Monitor well.
June 21, 2012	Monitor well.
June 22, 2012	Monitor well.
June 23, 2012	Monitor well.
June 24, 2012	Monitor well.
June 25, 2012	Monitor well.
June 26, 2012	
June 27, 2012	
June 28, 2012	

Sundry Number: 27048 API Well Number: 43019500080000

TIDEWATER OIL and GAS COMPANY LLC  
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June 29, 2012	
June 30, 2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<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> ML-51885 OBA	
		<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>	
<b>2. NAME OF OPERATOR:</b> TIDEWATER OIL & GAS COMPANY, LLC		<b>8. WELL NAME and NUMBER:</b> TIDEWATER STATE 2-12-2219	
<b>3. ADDRESS OF OPERATOR:</b> 110 16th St Ste 1220 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43019500080000	
<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> 2465 FNL 0710 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 02 Township: 22.0S Range: 19.0E 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: 6/25/2012	<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 checked="" 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.			
<p>This well is temporarily shut-in pending evaluation of additional well completion options in the Mancos Shale.</p> <div style="text-align: right;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 27, 2012</b></p> </div>			
<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> 6/25/2012	

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

Date	Continuous Drilling, Completions, and Workover Operations
April 21, 2011	Begin building location and access road in to Tidewater State 2-12-2219.
April 22, 2011	Work on access road and location.
April 23, 2011	Work on access road and location.
April 24, 2011	Easter Sunday. No activity.
April 25, 2011	Finish location and access road construction. Dig reserve pit. Wait on pit liner. Build fence around 3 sides of reserve pit. MIRU Pete Martin Drilling to drill 20" conductor hole to 60' BGL.
April 26, 2011	Weld and run 60' of 16" conductor casing in well and cement with redi-mix cement down backside. Cement stayed at surface.
April 27, 2011	Blade and water access road. Have 850' of 8-5/8" 24.0 ppf J55 STC casing delivered to location. Have 500 bbl frac tank delivered to location. Spot same. Fill tank with fresh water. Move in Leon Ross Drilling's small surface rig.
April 28, 2011	Rig up Leon Ross Drilling's surface setting rig. Spud 12-1/4" surface hole with air at approximately 1430 hrs.
April 29, 2011	Drill 12-1/4" surface hole to 826' (with KB of 5') using air & air/mist. No shows of oil, gas, or water during entire operation. Surveys taken @ 200'- 2.0 deg; 400'- 3.75 deg; 600'- 3.50 deg; 800'- 3.50 deg. Run 821' of 8-5/8" 24.0 ppf J55 STC surface casing and set at 816' KB (KB = 5').
April 30, 2011	Cement casing with: <b>Lead:</b> 200 sx 65% Premium Cement / 35% POZ + 6% gel + 3% salt + 0.2% CFL-117 + 1/4 pps Flocele mixed at 13.1 ppg and 1.69 cu ft/sx yield. <b>Tail:</b> 250 sx Premium Cement + 2% CaCl2 + 1/4 pps Flocele mixed at 15.8 ppg and 1.15 cu ft/sx yield. Return 48 bbls cement to surface. Bump plug at 0315 hrs 4/30/2011. Floats held. Cement at surface. Release surface rig @ 0400 hrs 04/30/2011.
May 1, 2011 through May 31, 2011	Weld plate on top of surface casing until big rig moves in casing to prevent debris from falling in hole. Grade location and prepare for drilling rig. Repair road.
June 1, 2011 through June 30, 2011	Place plastic pit liner from edge of reserve pit to approximately
July 1, 2011 through July 21, 2011	Water road to assist in packing for heavy loads and dust control.
July 22, 2011	Grade road to prepare for rig move.
July 23, 2011	Deliver gravel and spread over low spots.
July 24, 2011	Fix low spot in road with rock to get rig in, and repair washouts. Forklift delivered to location.
July 25, 2011	Wellhead located and procured. Deliver wellhead.
July 26, 2011	Dig cellar around conductor casing and install cellar ring. Prepare to cut-off conductor and surface casing strings BGL.
July 27, 2011	Fix low spot in road with rock to get rig in, and repair washouts. Place portable toilets. Weld and test bradenhead.
July 28, 2011	Commence moving in CapStar Rig #315 rig equipment. Mud motors, jars, and rotating head.
July 29, 2011	Road work- place additional rock in washed out portions of road. MIRU CapStar Rig 315 equipment.
July 30, 2011	Drilling equipment (drilling jars, PDC bits) delivered to site. Prepare location for delivery of camps.
July 31, 2011	Company camps delivered to drilling site. Spot camps and install water & sewer systems.
August 1, 2011	Hook up generators and electric panels for company camps. Prep electrical for pushers camp. Clean company camps.
August 2, 2011	Low water crossing partially washed out due to excessive rain. Repair lease road for moving in rig. Work on pre-mix tank to manifold to rig tank.
August 3, 2011	Finish building up low water crossing. Prepare location for rig move. Finish preparation of pre-mix mud tank to manifold with rig tank.
August 4, 2011	Fill frac tank with fresh water. Place fresh water from drilling fluid in reserve pit. Spot pre-mix tank. Modify reserve pit to accommodate CapStar #315.
August 5, 2011	Final preparation of access road & well location. Place FW in reserve pit. Fill frac tank with FW. CapStar #315 is on the road to Tidewater location to resume drilling production hole.
August 6, 2011	Begin moving MIRU rig equipment for CapStar Rig #315. Modify reserve pit to accommodate 2 surface pit system. Work on manifolding pits. WO rig equipment.
August 7, 2011	MIRU CapStar Rig #315. RU Pason well monitoring equipment. NU BOPE. Modify catwalk. RU centrifuge. WO missing equipment to finish RU of Rig #315. Trucks broke down during rig move from Worland, WY.
August 8, 2011	WO choke line & pump hose which were on a broken down truck during rig move. Nipple up choke line. Test BOPE. Did not hold. Repair rams and tighten studs & nuts on flanges. Test pipe & blind rams to 3000 psi for high test and 250psi for low test. Held tite. Test annular preventer to 1500 psi, would not hold. WO replacement annular preventer. RU annular, test to 1500 psi, would not hold. WO annular preventer from CapStar. Plan to go on company time after annular passes pressure test. Annular preventer scheduled to arrive on location at 0900 hrs 08-09-11.
August 9, 2011	Test new annular to 1500 psi. MU BHA. Install rotating head. Drill surface casing float collar, shoe jt, float shoe. Drill new 7-7/8" production hole f/ 826'-957'. Check flow. Mud up. Drill to 1119'.
August 10, 2011	Drill 7-7/8" production hole from 1119'-1681'. POOH. PU IBS stabilizer at 70' above bit to control direction. TIH.
August 11, 2011	Drill f/ 1681'-1965'. POOH. LD IBS. PU bent motor and MWD tool to directionally drill and correct well back to vertical. TIH.

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

August 12, 2011	Finish TIH. Directionally drill 7-7/8" production hole f/ 1965'-2882'.
August 13, 2011	Directionally drill 7-7/8" production hole f/ 2882'-3178'. RU gas buster.
August 14, 2011	Directionally drill 7-7/8" production hole f/ 3178'- 3361'.
August 15, 2011	Directionally drill 7-7/8" production hole f/ 3361'- 3750'.
August 16, 2011	Directionally drill 7-7/8" production hole f/ 3750'- 4407'.
August 17, 2011	Directionally drill 7-7/8" production hole f/ 4407'- 4551'. Circulate and trip for new bit.
August 18, 2011	TIH & ream thru bridges to 4551'. Directionally drill 7-7/8" production hole f/ 4551'- 4862'.
August 19, 2011	Directionally drill 7-7/8" production hole f/ 4862'- 5155'. POOH to PU reaming assembly.
August 20, 2011	PU reamers and wash & ream from 1500' to 5155'. Condition hole.
August 21, 2011	Wash & ream tite spots in wellbore. TOOH to PU directional tools.
August 22, 2011	LD DCs. PU HWDP. TIH. Ream f/ 1673'-2143'. Directionally drill 7-7/8" production hole f/ 5155'- 5256'.
August 23, 2011	Directionally drill 7-7/8" production hole f/ 5256'- 5631'.
August 24, 2011	Directionally drill 7-7/8" production hole f/ 5631'- 5861'.
August 25, 2011	Directionally drill 7-7/8" production hole f/ 5861'- 5974'.
August 26, 2011	Directionally drill 7-7/8" production hole f/ 5974' - 6124'. Trip out of hole to LD directional tools.
August 27, 2011	Finish TOOH. LD directional drilling tools Function test BOPE, Pick up non-directional BHA. TIH. Drill straight f/ 6135' to 6240'.
August 28, 2011	Drill 7-7/8" production hole f/ 6240'- ' 6461'.
August 29, 2011	Drill 7-7/8" production hole f/ 6461'- 6502' (Driller's TD). Prepare to run electric logs.
August 30, 2011	Run openhole electric logs with Halliburton (Logger's TD= 6505'). TIH to 6502' TD. Circulate and condition mud & hole . Wait on Orders. Rig service & rig repair. Set casing racks in place. TOOH to LD BHA and prep to TIH open-ended to set cement P&A plugs or plugs.
August 31, 2011	Finish TOOH & LD BHA. TIH open-ended in preparation of setting plugs over bottom 1/2 of wellbore. Decision made to abandon lower portion of hole from 3400' to 6502'. (NOTE: At this time there is not a sufficient expectation of advancing production of the Leased Substances in paying quantities from under the Leased Premises. However, Tidewater will continue to investigate enhanced evaluation technology and state-of-the-art production techniques in an effort to establish production of Leased Substances in paying quantities from this well on the Leased Premises.) Circulate & condition mud and WO Howco. RU Howco. Set P&A plug #1 from 6502'-6200' w/ 110 sx PlugCem cement at 15.8 ppg. POOH laying down DP to 3878'. Pump and set P&A Plug #2 f/ 3750'-3600' (over top Wingate formation) using 110 sx PlugCem cement plus additives mixed at 15.8 ppg. POOH w/ 14 jts DP. Circ btms up, no cement contamination.
September 1, 2011	TOOH laying down DP leaving sufficient DP to make conditioning run with bit and BHA in preparation for running casing. PU DCs and TIH. Tag top of P&A plug #2 at 3676' . Circulate & condition mud while contacting UDOGM. Receive verbal approval of establishing a lower top of P&A plug #2 than designed from D. Doucet w/ UDOGM. Resume TOOH laying down drill string. RU Halliburton. Run float shoe, shoe joint, float collar and 90 jts of 5-1/2" 17.0 ppf HCP-110 LTC production casing to 3472' RKB. Run DV tool at 1295' and external casing packer at 1309.5' (to middle of pkr). Top of FC at 3431'.
September 2, 2011	Finish running 5-1/2" production casing to 3472'. Circulate and condition mud. Cement casing in two stages with good returns throughout job on both stages. After pumping first stage and verifying the floats held,, open DV tool and set external casing packer at 1310' with 2500 psi pressure.. Circulate out excess cement. Mix & pump second stage cement. Bump second plug and close DV tool. WOC. While WOC begin nipple down BOPE. Set 5-1/2" casing slips. Cut off surface casing and make rough and final cuts on 5-1/2" casing. NU tubing head and place cap on tubing head. Clean mud tanks. Release rig at 2000 hrs on 9/2/2011.
September 3, 2011	Tear down rig and load out on trucks. Clean up location.
September 4, 2011	Evaluate electric logs and recompute based upon new information. Begin identifying specific zones of interest for completion operations.
September 5, 2011	Evaluate electric logs in conjunction with mud log. Design completion procedure.
September 6, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 7, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 8, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 9, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 10, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 11, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 12, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 13, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 14, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 15, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 16, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 17, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 18, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 19, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 20, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 21, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

September 22, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 23, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 24, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 25, 2011	Design completion procedure and solicit bids and recommendations from appropriate vendors. Prepare completion well cost estimate. Begin search for appropriate completion rig.
September 26, 2011	Receive and analyze bids for perforating & acidizing services, and downhole plugs and packers.
September 27, 2011	Solicit and analyze bids for tubulars.
September 28, 2011	Work with service and equipment suppliers to refine bids for work and tangible equipment for completion of the Tidewater State 2-12-2219 well.
September 29, 2011	Work with service and equipment suppliers to refine bids for work and tangible equipment for completion of the Tidewater State 2-12-2219 well.
September 30, 2011	Work with service and equipment suppliers to refine bids for work and tangible equipment for completion of the Tidewater State 2-12-2219 well.
October 1, 2011	
October 2, 2011	Final Recommended Completion Procedure distributed to working interest owners and partners.
October 3, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 4, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 5, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 6, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 7, 2011	Waiting on elections to participate from Partners and working interest owners. Finish completion rig canvas and select Key Energy Services as completion rig contractor. Rig is currently working for Stone Energy near Moab and is expected to begin working for Tidewater on or about October 17, 2011.
October 8, 2011	
October 9, 2011	Begin awarding work for services and equipment for Tidewater State 2-12-2219 well.
October 10, 2011	Begin awarding work for services and equipment for Tidewater State 2-12-2219 well.
October 11, 2011	Pull cellar ring fill cellar in anticipation of completion rig moving in.
October 12, 2011	Set anchors for completion rig on Tidewater State 2-12-2219 well.
October 13, 2011	Refine completion procedure based upon new developments regarding availability of equipment and the fact that hydraulic fracturing crews and equipment are in short supply (high demand).
October 14, 2011	Informed by Key Energy Services that rig was delayed trying to retrieve a packer with pressure built up underneath on a Stone Energy well near Moab.
October 15, 2011	
October 16, 2011	Confirmed with Key Energy Services that completion rig would likely be delayed one week. New MIRU date for the Tidewater State 2-12-2219 well is estimated to be the week of October 24, 2011.
October 17, 2011	Key Energy update looks like a full week delay for MIRU completion rig. Expect rig on or about October 24, 2011.
October 18, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 19, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 20, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 21, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 22, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 23, 2011	Wait on Key Energy Services completion rig which has been delayed on another job.
October 24, 2011	On October 17, 2011 the estimated date for MIRU Key Energy Services completion rig was 10/24/11. Stone Energy now involved in fishing operation with 1400 psi on well. Using snubbing unit for trips. Tidewater questioning whether Rig 232 will be finished with Stone in a timely manner. Begin search for a replacement rig in case Key Energy is tied up any longer. New date for Key Energy to move to Tidewater State 2-12-2219 is October 28, 2011, and appears optimistic. Tidewater ordered tubing for well, and tubing is to be delivered Monday, October 31, 2011. Tidewater orders additional 500 bbl frac tanks and schedules for delivery Monday, October 31, 2011.

**TIDEWATER OIL and GAS COMPANY LLC**  
**Drilling Operations Summary for**  
**Tidewater State 2-12-2219**

October 25, 2011	<p>Perform secondary completion rig canvas for back-up rig to Key Energy Services Rig #232. Initial contacts produced a lead on a rig with potential for immediate availability. Found Basic Energy Rig available east of Grand Junction headed back to the Rangely Field.</p> <ol style="list-style-type: none"> <li>1. Temples Well Service, Vernal, UT: Chris (435) 790-1211 Chris (Vernal) (435) 790-1211. May have rig in 2-3 weeks depending on contract renegotiations with the Ute (?) Tribal Council.</li> <li>2. Stuart Mortensen, (435) 823-2065 (former Basic Energy Services, own consulting for El Paso Natural Gas) <b>Found Basic Energy Services rig based out of Rangely, CO but temporarily working just east of Grand Junction.</b> Mike Sexton (Parachute): (970) 260-3856 cell or (970) 941-6029 office Bob Staley (Area Manager) (970) 574-7158 cell or (970) 675-2380 Gary Staley (Yard Manager) (970) 675-2380</li> <li>3. Key Energy Services, Grand Junction, CO (check for availability of any other rigs) Baxter Powell (District Manager) (435) 828-7848 Chris Blake (Rig #232 pusher) (970) 589-6039</li> <li>4. Nabors, Roosevelt, UT: Ray (Manager) (435) 823-6753 (on a tip from Stuart Mortensen) May have a rig available approx 11/04/11.</li> <li>5. Bob Beeman Drilling Moab, UT (435) 259-7281 Left Message. No call back.</li> <li>6. Aztec Well Service, Farmington, NM Jason Sandel (505) 334-6194 Left Message.</li> </ol> <p>Commence negotiations with Basic Energy Services for work on Tidewater State 2-12-2219 as soon as they can get their crews and rig together.</p>
October 26, 2011	Tidewater has Cameron field service personnel deliver and install 11" 3M X 7-1/16" 5M tubing head and install same in preparation of moving in completion rig. Tidewater calls to Key Energy Services personnel for updates on rig status not returned for nearly 24 hours. Tidewater begins finalizing negotiations with Basic Energy Services for replacement rig. Tidewater continues awarding bids to various service and equipment providers.
October 27, 2011	Key Energy contact calls Tidewater with update. Key Rig 232 is going to be delayed up to another week. Tidewater firms up agreement with Basic Energy Services and replacement rig scheduled to be on Tidewater State 2-12-2219 location on Tuesday, November 1, 2011 or Wednesday, November 2, 2011 to commence completion operations on well.
October 28, 2011	Tidewater attempting to accelerate MIRU time for Basic Energy Services completion rig to Monday, October 31, 2011. No decision re: accelerated MIRU at the time of this report.
October 29, 2011	No Activity.
October 30, 2011	No Activity.
October 31, 2011	Gather crew in Rifle, CO for Basic Energy Services Completion Rig #1551. Road rig to Crescent Junction, UT and park overnight.
November 1, 2011	MIRU Basic Energy Services Rig #1551. Unload, rabbit, and tally tubing. NU BOPE.
November 2, 2011	WO water. Test BOPE to 1500 psi w/ rig pump. PU 4-3/4" DCs and bit. TIH to top ofv DVTool at 1295'. RU powerswivel. Drill out DV Tool. TIH and tag Float Collar @ 3434'. POOH. LD but. PU casing scraper. Scrape casing to 1 joint above FC. POOH. LD scrapper. SDFN.
November 3, 2011	Displace hole w/ 2% KCl. RU Schlumberger and run Radial CBL. TIH w/ tubing & swab well down to 2200'. RU Schlumberger. TIH and perforate f/ 3050'-3060' w/ 4 spf 90 deg phasing. No blow or sign of hydrocarbons. RD wireline. SDFN.
November 4, 2011	Swab well. Recover 60 bbls. Obtain fluid sample. Fluid entry rate- 9 bfph. Leave FL at 1200'. SDFN.
November 5, 2011	Check No pressure, no gas. TIH w/ CIBP and set at 3000'. Dump 2 sx cement on top of CIBP. Fill hole w/ 2% KCl water. Test CIBP to 1500 psi. TIH and perforate f/ 2264'-2268' & 2276'-2286'. No blow, no gas. No rise in fluid level. TIH w. tubing. Swab well down to top perf at 2264'. Secure well. SD until Monday.
November 6, 2011	No Activity. No pressure on well.
November 7, 2011	POOH w/ tubing. TIH w/ CIBP & set at 2200'. Dump 2 sx cement on top of CIBP. TIH w/ tubing. Swab FL down to 1800. TIH w/ perforating guns and perf from 2052'- 2064' w/ 4 spf at 90 deg hasing. No initial bliow. No gas. Swab well. No signs of gas. Secure well & SDFN.
November 8, 2011	Swab well. Break down formation w 2% KCl water Establish pump-in rates. Swab well. Rev=cover 44 bbl fluid. Obtain water sample from formation.
November 9, 2011	Swab well. Minimal fluid entry. TIH w/ CIBP and set at 2025'. Dump 2 sx cedment on top of CIBP. ND BOPE. Install tubing hanger in tubing head. Install plate on top of tubing head. RD Basic Enerfgy Services Rig #1551. Release rig. Sevcurer well. SD waiting on frac day for Mancos Shale.
November 10, 2011	Well shut in waiting on frac date for Mancos Shale.
November 11, 2011	Obtain frac date from Baker Hughes of December 10, 2011. Design and model Mancos frac treatment.
November 12, 2011	No Activity.
November 13, 2011	No Activity.
November 14, 2011	WO frac date of Baker Hughes of December 10, 2011. Design and model Mancos frac treatment.
November 15, 2011	WO frac date of Baker Hughes of December 10, 2011. Design and model Mancos frac treatment.
November 16, 2011	Identify ancillary services, equipment & personnel necessary to support & effectuate nitrified foam fracture treatment of two porosity zones within the Mancos Shale.
November 17, 2011	Identify ancillary services, equipment & personnel necessary to support & effectuate nitrified foam fracture treatment of two porosity zones within the Mancos Shale.
November 18, 2011	Obtain quotes/bids for ancillary service & equipment providers. Begin analyzing bids.
November 19, 2011	No Activity.

TIDEWATER OIL and GAS COMPANY LLC  
Drilling Operations Summary for  
Tidewater State 2-12-2219

November 20, 2011	No Activity.
November 21, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 22, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 23, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 24, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 25, 2011	Analyze quotes/bids for equipment & services and refine Mncos Shale hydraulic fracturing procedure.
November 26, 2011	No Activity.
November 27, 2011	No Activity.
November 28, 2011	Award work to various service & equipment providers & begin scheduling same.
November 29, 2011	Award work to various service & equipment providers & begin scheduling same.
November 30, 2011	Award work to various service & equipment providers & begin scheduling same.
December 1, 2011	Award work to various service & equipment providers & begin scheduling same.
December 2, 2011	Award work to various service & equipment providers & begin scheduling same.
December 3, 2011	No Activity.
December 4, 2011	No Activity.
December 5, 2011	Refine completion procedure based upon new information and availability of equipment.
December 6, 2011	Make final preparations for frac. Frac date moved up to 12/09/11. Will perforate first zone on 12/08/11. Rigging up well testers on 12/08/11.
December 7, 2011	MIRU Weatherford Well Testers equipment. Fill frac tanks with 4% KCl water. Deliver, install & test Cameron 5M frac valve.
December 8, 2011	Deliver & install Weatherford test separator.RMWS sets CIBP at 1280' above MSC tool.Deliver and spot baker Hughes Sandmaster. Deliver forklift and light plants. Perforate Mancos Shale from 1160'-1170'.
December 9, 2011	Deliver 80,000# 20/40 brown frac sand. MIRU remainder of Baker Hughes frac equipment. Heat 4% KCl makeup water to 100 deg F. Finish rigging up Weatherford testers and Baker Hughes frac equipment.
December 10, 2011	Break down and frac Mancos perms from 1160'-1170'. Perfs sanded up immediately. Circ out sand. Sert flow through packer at 1090'. Perf upper mancos Shale interval from 947'-960'.
December 11, 2011	Frac Upper mancos Shale interval and put away 70,000#'s 20/40 brown frac sand. RD Baker Hughes. Begin flowing back and testing well.
December 12, 2011	Flowback and test well.
December 13, 2011	Flowback and test well. RD Weatherford well testers. Shut in well for pressure build up.
December 14, 2011	Monitor pressure build up of well and commence reservoir and potential reserve analysis
December 15, 2011	Monitor well.
December 16, 2011	Monitor well.
December 17, 2011	Monitor well.
December 18, 2011	Monitor well.
December 19, 2011	Monitor well.
December 20, 2011	Monitor well.
December 21, 2011	Monitor well.
December 22, 2011	Monitor well.
December 23, 2011	Monitor well.
December 24, 2011	Monitor well.
December 25, 2011	Monitor well.
December 26, 2011	Monitor well.
December 27, 2011	Monitor well.
December 28, 2011	Monitor well.
December 29, 2011	Monitor well.
December 30, 2011	Monitor well.
December 31, 2011	Monitor well.
January 1, 2012	Monitor well.
January 2, 2012	Monitor well.
January 3, 2012	Monitor well.
January 4, 2012	Monitor well.
January 5, 2012	Monitor well.
January 6, 2012	Monitor well.
January 7, 2012	Monitor well.
January 8, 2012	Monitor well.
January 9, 2012	Monitor well.
January 10, 2012	Monitor well.
January 11, 2012	Monitor well.
January 12, 2012	Monitor well.

TIDEWATER OIL and GAS COMPANY LLC  
Drilling Operations Summary for  
Tidewater State 2-12-2219

January 13, 2012	Monitor well.
January 14, 2012	Monitor well.
January 15, 2012	Monitor well.
January 16, 2012	Monitor well.
January 17, 2012	Monitor well.
January 18, 2012	Monitor well.
January 19, 2012	Monitor well.
January 20, 2012	Monitor well.
January 21, 2012	Monitor well.
January 22, 2012	Monitor well.
January 23, 2012	Monitor well.
January 24, 2012	Monitor well.
January 25, 2012	Monitor well.
January 26, 2012	Monitor well.
January 27, 2012	Monitor well.
January 28, 2012	Monitor well.
January 29, 2012	Monitor well.
January 30, 2012	Monitor well.
January 31, 2012	Monitor well.
February 1, 2012	Monitor well.
February 2, 2012	Monitor well.
February 3, 2012	Monitor well.
February 4, 2012	Monitor well.
February 5, 2012	Monitor well.
February 6, 2012	Monitor well.
February 7, 2012	Monitor well.
February 8, 2012	Monitor well.
February 9, 2012	Monitor well.
February 10, 2012	Monitor well.
February 11, 2012	Monitor well.
February 12, 2012	Monitor well.
February 13, 2012	Lay blow down line from wellhead to reserve pit. Stake line. Consultant retained to check & record wellhead pressures and to blow down well.
February 14, 2012	Monitor well.
February 15, 2012	Monitor well.
February 16, 2012	Consultant retained to check & record wellhead pressures and to blow down well.
February 17, 2012	Monitor well.
February 18, 2012	Monitor well.
February 19, 2012	Monitor well.
February 20, 2012	Monitor well.
February 21, 2012	Monitor well.
February 22, 2012	Monitor well.
February 23, 2012	Monitor well.
February 24, 2012	Monitor well.
February 25, 2012	Monitor well.
February 26, 2012	Monitor well.
February 27, 2012	Monitor well.
February 28, 2012	Monitor well.
February 29, 2012	Remove fluid from frac tanks and move to Federal 29-44-2119 well. Release tank and load on truck for delivery to Grand Junction.
March 1, 2012	Monitor well.
March 2, 2012	Monitor well.
March 3, 2012	Monitor well.
March 4, 2012	Monitor well.
March 5, 2012	Monitor well.
March 6, 2012	Monitor well.
March 7, 2012	Monitor well.
March 8, 2012	Monitor well.

TIDEWATER OIL and GAS COMPANY LLC  
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March 9, 2012	Monitor well.
March 10, 2012	Monitor well.
March 11, 2012	Consultant retained to check & record wellhead pressures and to blow down well.
March 12, 2012	MIRU Basic Energy Services Rig #1448. RD tree. NU BOPE. Unload & strap tubing. TIH & swab test well.
March 13, 2012	Monitor well.
March 14, 2012	Monitor well.
March 15, 2012	Monitor well.
March 16, 2012	Monitor well.
March 17, 2012	Monitor well.
March 18, 2012	Monitor well.
March 19, 2012	Monitor well.
March 20, 2012	Monitor well.
March 21, 2012	Repair fence around reserve pit and make stock tight.
March 22, 2012	Monitor well.
March 23, 2012	Monitor well.
March 24, 2012	Monitor well.
March 25, 2012	Monitor well.
March 26, 2012	Clean up location and release tanks and porta-potties.
March 27, 2012	Monitor well.
March 28, 2012	Monitor well.
March 29, 2012	Monitor well.
March 30, 2012	Monitor well.
March 31, 2012	Monitor well.
April 1, 2012	Monitor well.
April 2, 2012	Monitor well.
April 3, 2012	Monitor well.
April 4, 2012	Monitor well.
April 5, 2012	Monitor well.
April 6, 2012	Monitor well.
April 7, 2012	Monitor well.
April 8, 2012	Monitor well.
April 9, 2012	Monitor well.
April 10, 2012	Monitor well.
April 11, 2012	Monitor well.
April 12, 2012	Monitor well.
April 13, 2012	Monitor well.
April 14, 2012	Monitor well.
April 15, 2012	Monitor well.
April 16, 2012	Monitor well.
April 17, 2012	Monitor well.
April 18, 2012	Monitor well.
April 19, 2012	Monitor well.
April 20, 2012	Monitor well.
April 21, 2012	Monitor well.
April 22, 2012	Monitor well.
April 23, 2012	Monitor well.
April 24, 2012	Monitor well.
April 25, 2012	Monitor well.
April 26, 2012	Monitor well.
April 27, 2012	Monitor well.
April 28, 2012	Monitor well.
April 29, 2012	Monitor well.
April 30, 2012	Monitor well.
May 1, 2012	Monitor well.
May 2, 2012	Monitor well.
May 3, 2012	Monitor well.

TIDEWATER OIL and GAS COMPANY LLC  
Drilling Operations Summary for  
Tidewater State 2-12-2219

May 4, 2012	Monitor well.
May 5, 2012	Monitor well.
May 6, 2012	Monitor well.
May 7, 2012	Monitor well.
May 8, 2012	Monitor well.
May 9, 2012	Monitor well.
May 10, 2012	Monitor well.
May 11, 2012	Monitor well.
May 12, 2012	Monitor well.
May 13, 2012	Monitor well.
May 14, 2012	Monitor well.
May 15, 2012	Monitor well.
May 16, 2012	Monitor well.
May 17, 2012	Monitor well.
May 18, 2012	Monitor well.
May 19, 2012	Monitor well.
May 20, 2012	Monitor well.
May 21, 2012	Monitor well.
May 22, 2012	Monitor well.
May 23, 2012	Monitor well.
May 24, 2012	Monitor well.
May 25, 2012	Monitor well.
May 26, 2012	Monitor well.
May 27, 2012	Monitor well.
May 28, 2012	Monitor well.
May 29, 2012	Monitor well.
May 30, 2012	Monitor well.
May 31, 2012	Monitor well.
June 1, 2012	Monitor well.
June 2, 2012	Monitor well.
June 3, 2012	Monitor well.
June 4, 2012	Monitor well.
June 5, 2012	Monitor well.
June 6, 2012	Monitor well.
June 7, 2012	Monitor well.
June 8, 2012	Monitor well.
June 9, 2012	Monitor well.
June 10, 2012	Monitor well.
June 11, 2012	Monitor well.
June 12, 2012	Monitor well.
June 13, 2012	Monitor well.
June 14, 2012	Monitor well.
June 15, 2012	Monitor well.
June 16, 2012	Monitor well.
June 17, 2012	Monitor well.
June 18, 2012	Monitor well.
June 19, 2012	Monitor well.
June 20, 2012	Monitor well.
June 21, 2012	Monitor well.
June 22, 2012	Monitor well.
June 23, 2012	Monitor well.
June 24, 2012	Monitor well.
June 25, 2012	Monitor well.
June 26, 2012	
June 27, 2012	
June 28, 2012	

Sundry Number: 27049 API Well Number: 43019500080000

TIDEWATER OIL and GAS COMPANY LLC  
Drilling Operations Summary for  
Tidewater State 2-12-2219

June 29, 2012	
June 30, 2012	

**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 SPURRED: 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 MD PLUG SET: 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