

**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> GDR Brothers 7-2-3-2W					
<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> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825					
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com					
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee</b>			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>					
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Daniel E. & Jodie Lynn Crozier						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-722-4939					
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 3387 S 5000 W ,						<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		1509 FNL 1582 FEL		SWNE	2	3.0 S	2.0 W	U			
Top of Uppermost Producing Zone		1509 FNL 1582 FEL		SWNE	2	3.0 S	2.0 W	U			
At Total Depth		1509 FNL 1582 FEL		SWNE	2	3.0 S	2.0 W	U			
<b>21. COUNTY</b> DUCHEсне			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1509			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40					
<b>27. ELEVATION - GROUND LEVEL</b> 5239			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 0			<b>26. PROPOSED DEPTH</b> MD: 10600 TVD: 10600					
<b>28. BOND NUMBER</b> B001834			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478								
<b>Hole, Casing, and Cement Information</b>											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight	
COND	17.5	13.375	0 - 60	48.0	H-40 ST&C	0.0	Class G	41	1.17	15.8	
SURF	12.25	9.625	0 - 1000	36.0	J-55 ST&C	0.0	Premium Lite High Strength	51	3.53	11.0	
							Class G	154	1.17	15.8	
I1	8.75	7	0 - 8730	26.0	P-110 LT&C	11.0	Premium Lite High Strength	294	3.53	11.0	
							50/50 Poz	240	1.24	14.3	
PROD	6.125	4.5	8530 - 10600	11.6	P-110 LT&C	11.0	50/50 Poz	181	1.24	14.3	
<b>ATTACHMENTS</b>											
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Don Hamilton				<b>TITLE</b> Permitting Agent				<b>PHONE</b> 435 719-2018			
<b>SIGNATURE</b>				<b>DATE</b> 09/11/2011				<b>EMAIL</b> starpoint@etv.net			
<b>API NUMBER ASSIGNED</b> 43013509540000				<b>APPROVAL</b>				 Permit Manager			

**RECEIVED: October 19, 2011**

**Newfield Production Company  
GDR Brothers 7-2-3-2W  
SW/NE Section 2, T3S, R2W  
Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	4,110'
Garden Gulch member	7,010'
Wasatch	9,315'
TD	10,600'

**2. Depth to Oil, Gas, Water, or Minerals**

Base of moderately saline	2,315'	(water)
Green River	7,010' - 9,315'	(oil)
Wasatch	9,315' - TD	(oil)

**3. Pressure Control**

<u>Section</u>	<u>BOP Description</u>
Surface	12-1/4" diverter

Interm/Prod The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

**4. Casing**

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor 13 3/8	0'	60'	48	H-40	STC	--	--	--	1,730	770	322,000
									--	--	--
Surface 9 5/8	0'	1,000'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
									6.27	6.35	10.94
Intermediate 7	0'	8,730'	26	P-110	LTC	9	9.5	15	9,960	6,210	693,000
									2.56	1.81	3.05
Production 4 1/2	8,530'	10,600'	11.6	P-110	LTC	10.5	11	--	10,690	7,560	279,000
									2.26	1.51	2.27

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

## 5. Cement

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	48	15%	15.8	1.17
				41			
Surface Lead	12 1/4	500'	Premium Lite II w/ 3% KCl + 10% bentonite	180	15%	11.0	3.53
				51			
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180	15%	15.8	1.17
				154			
Intermediate Lead	8 3/4	6,010'	Premium Lite II w/ 3% KCl + 10% bentonite	1039	15%	11.0	3.53
				294			
Intermediate Tail	8 3/4	1,720'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	297	15%	14.3	1.24
				240			
Production Tail	6 1/8	2,070'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	224	15%	14.3	1.24
				181			

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate and production casing strings will be calculated from an open hole caliper log, plus 15% excess.

## 6. Type and Characteristics of Proposed Circulating Medium

### Interval      Description

Surface - 1,000'

An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

1,000' - TD

A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 11.0 ppg.

**7. Logging, Coring, and Testing**

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

**8. Anticipated Abnormal Pressure or Temperature**

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.55 psi/ft gradient.

$$10,600' \times 0.55 \text{ psi/ft} = 5788 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

**9. Other Aspects**

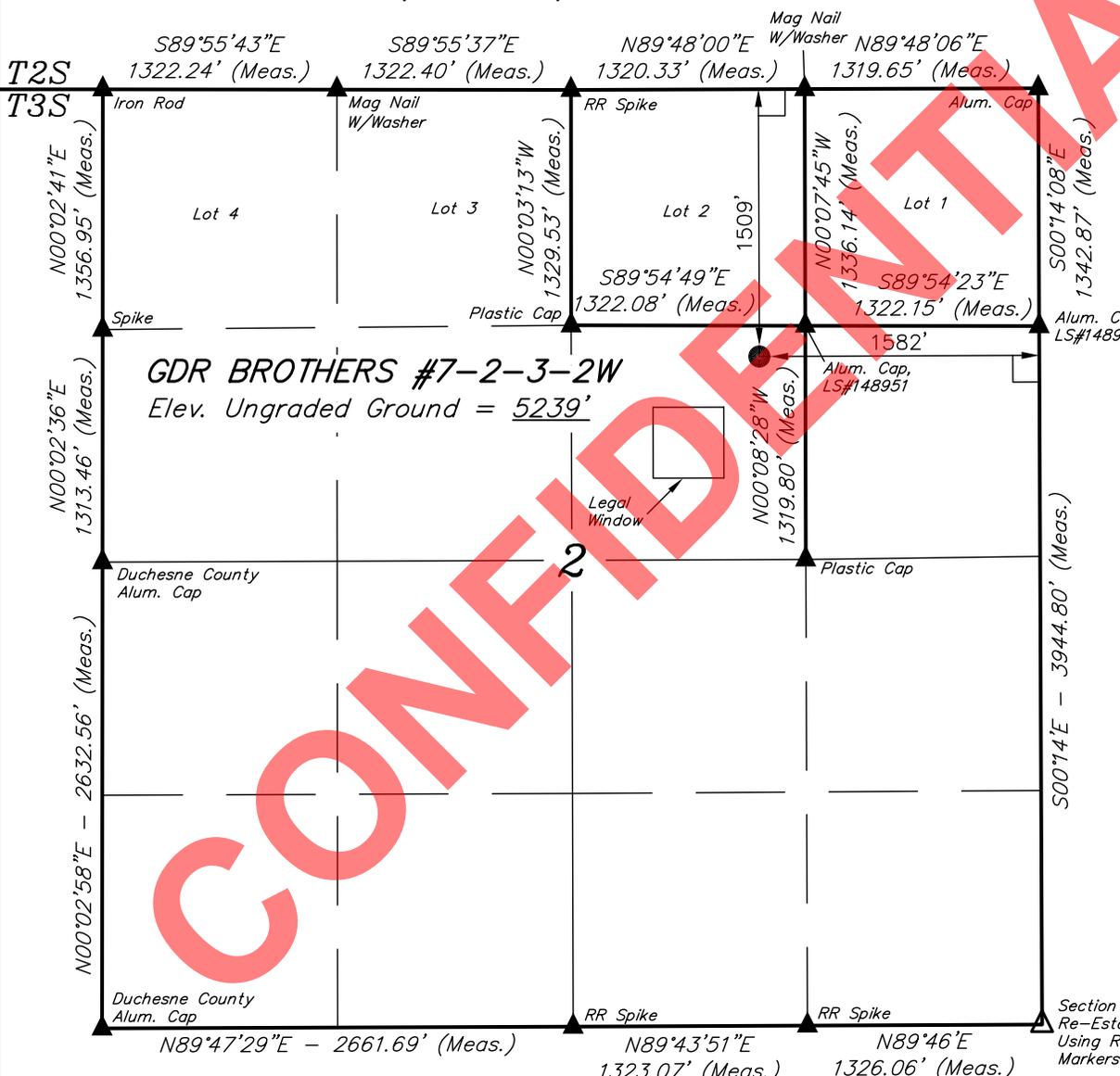
This is planned as a vertical well.

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T3S, R2W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

Well location, GDR BROTHERS #7-2-3-2W, located as shown in the SW 1/4 NE 1/4 of Section 2, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

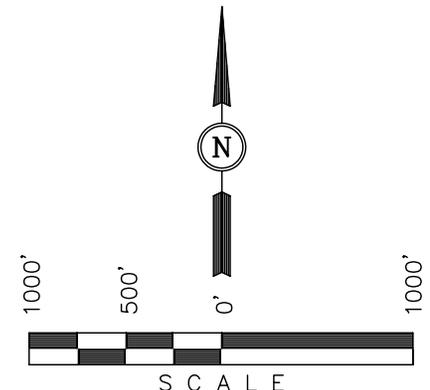


BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

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

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH  
 08-31-11

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

LEGEND:

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

<b>NAD 83 (SURFACE LOCATION)</b>	
LATITUDE	= 40°15'15.87" (40.254408)
LONGITUDE	= 110°04'22.91" (110.073031)
<b>NAD 27 (SURFACE LOCATION)</b>	
LATITUDE	= 40°15'16.02" (40.254450)
LONGITUDE	= 110°04'20.37" (110.072325)

SCALE 1" = 1000'	DATE SURVEYED: 08-09-11	DATE DRAWN: 08-30-11
PARTY M.A. S.W. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	

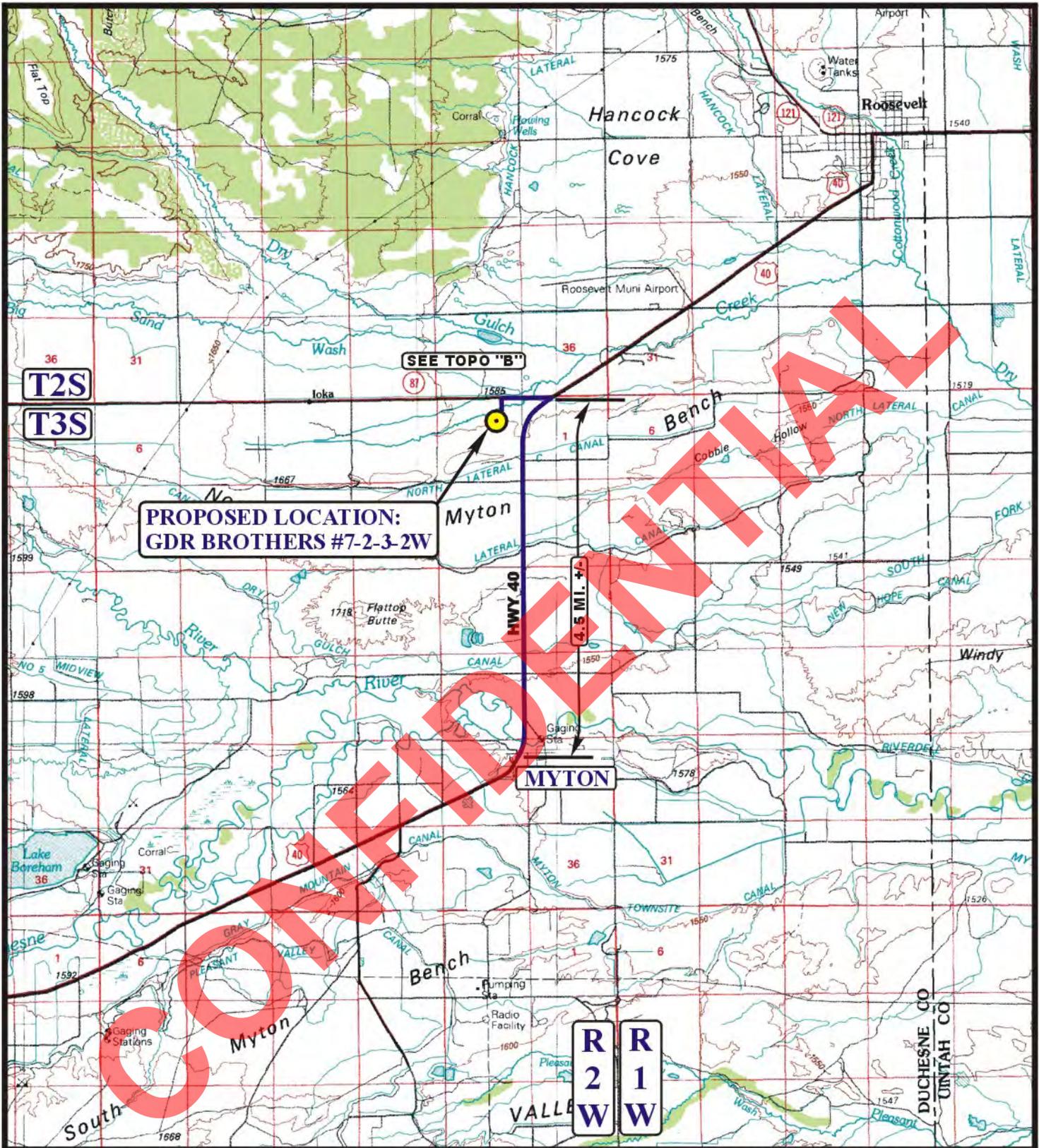
**RECEIVED: September 11, 2011**

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GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.

PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN NORTHEASTERLY DIRECTION FROM MYTON, UTAH ALONG HIGHWAY 40 APPROXIMATELY 4.5 MILES TO THE JUNCTION OF HIGHWAY 40 AND IOKA LANE TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1,447' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 5.5 MILES.

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**PROPOSED LOCATION:  
GDR BROTHERS #7-2-3-2W**

**SEE TOPO "B"**

**R  
2  
W**   **R  
1  
W**

**LEGEND:**

PROPOSED LOCATION



**NEWFIELD EXPLORATION COMPANY**

**GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL**



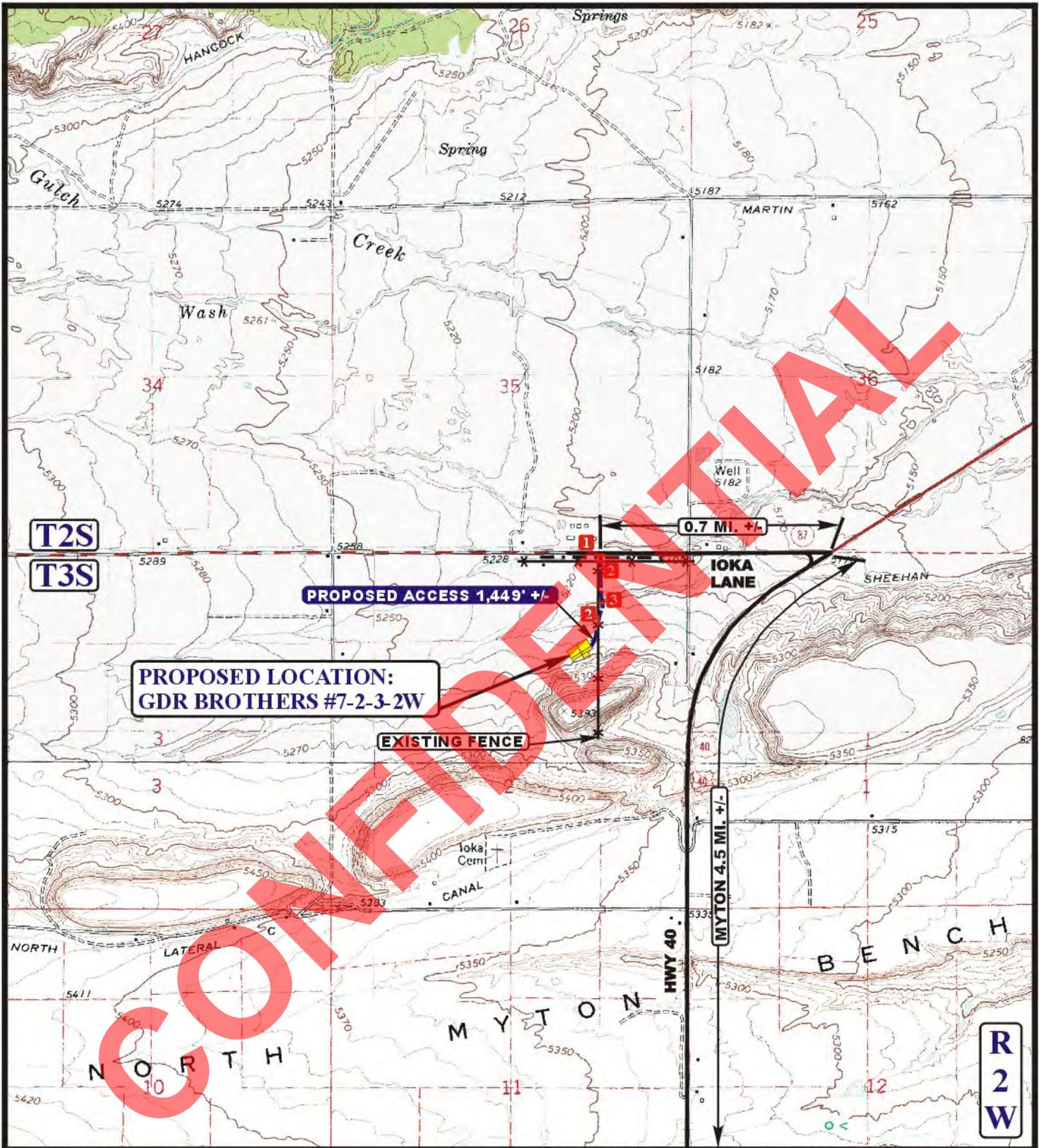
**Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813**

**ACCESS ROAD  
MAP**

**08 29 11**  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: B.D.H. REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING FENCE
- EXISTING POWER LINE
- 18" CMP REQUIRED
- INSTALL CATTLE GUARD
- 36" CMP REQUIRED

**NEWFIELD EXPLORATION COMPANY**

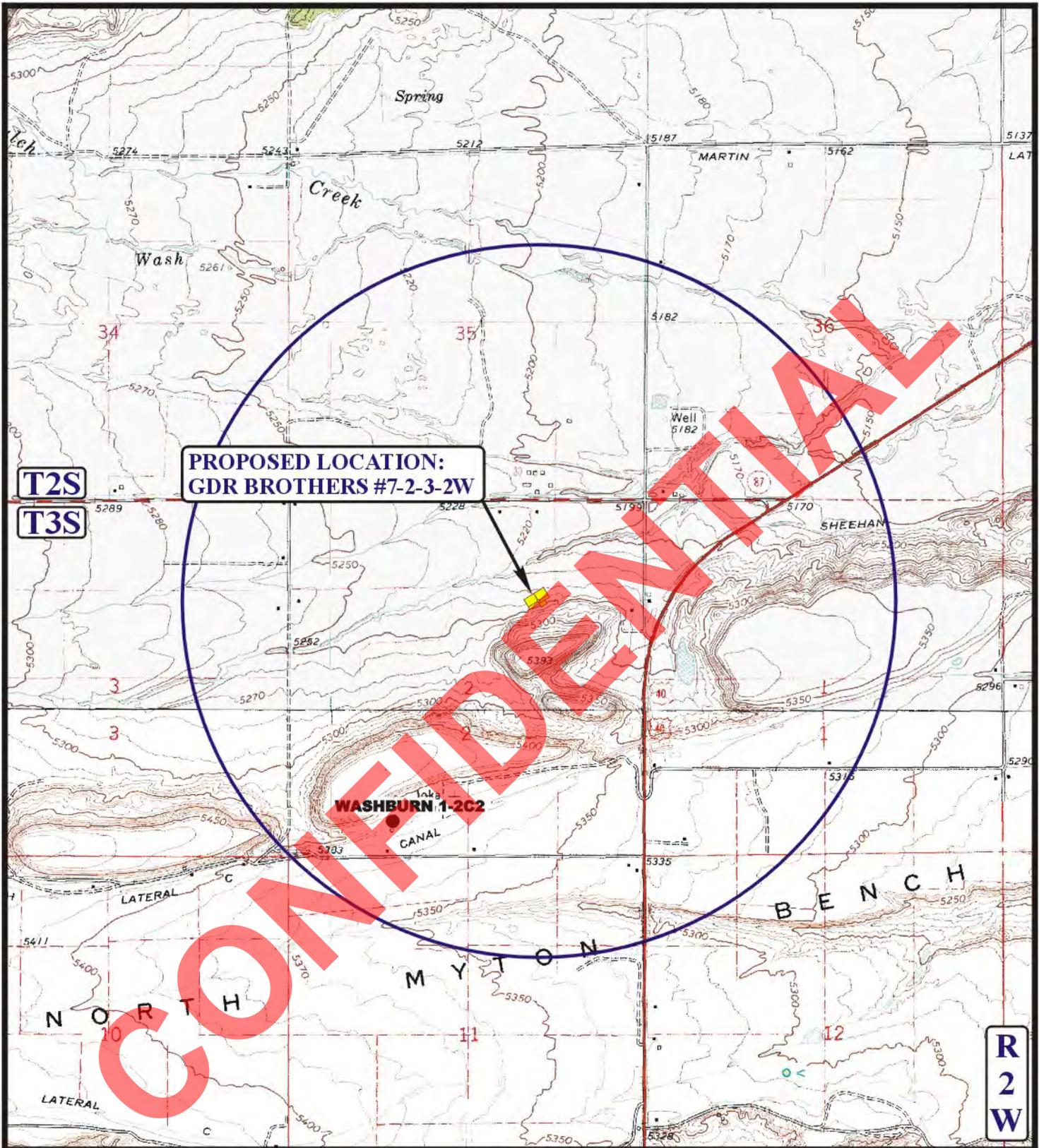
**GDR BROTHERS #7-2-3-2W**  
**SECTION 2, T3S, R2W, U.S.B.&M.**  
**1509' FNL 1582' FEL**

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

**ACCESS ROAD MAP**      **08 29 11**  
 MONTH      DAY      YEAR

SCALE: 1" = 2000'      DRAWN BY: B.D.H.      REVISED: 00-00-00

**B**  
**TOPO**



**PROPOSED LOCATION:  
GDR BROTHERS #7-2-3-2W**

**WASHBURN 1-2C2  
CANAL**

**T2S  
T3S**

**R  
2  
W**

**LEGEND:**

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

**NEWFIELD EXPLORATION COMPANY**

**GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL**

**UES** Utah Engineering & Land Surveying  
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**TOPOGRAPHIC MAP** 08 29 11  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 00-00-00 **C TOPO**

**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT**

Shane Gillespie personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Shane Gillespie. I am a Landman for Newfield Production Company, whose address is 1001 17<sup>th</sup> Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed GDR Bros 7-2-3-2W well to be located in the SWNE of Section 2, Township 3 South, Range 2 West, Duchesne County, Utah (the "Drillsite Location"). The surface owners of the Drillsite Location are Daniel E. Crozier and Jodie Lynn Crozier, whose joint address is 3387 S. 5000 W., Roosevelt, Utah 84066 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated September 1, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.



ACKNOWLEDGEMENT

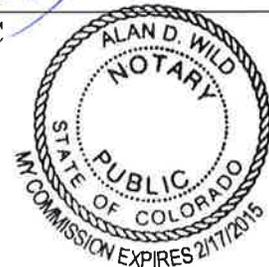
STATE OF COLORADO           §  
   §  
 COUNTY OF DENVER           §

Before me, a Notary Public, in and for the State, on this 9<sup>th</sup> day of September, 2011, personally appeared Shane Gillespie, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that \_\_\_\_\_ executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

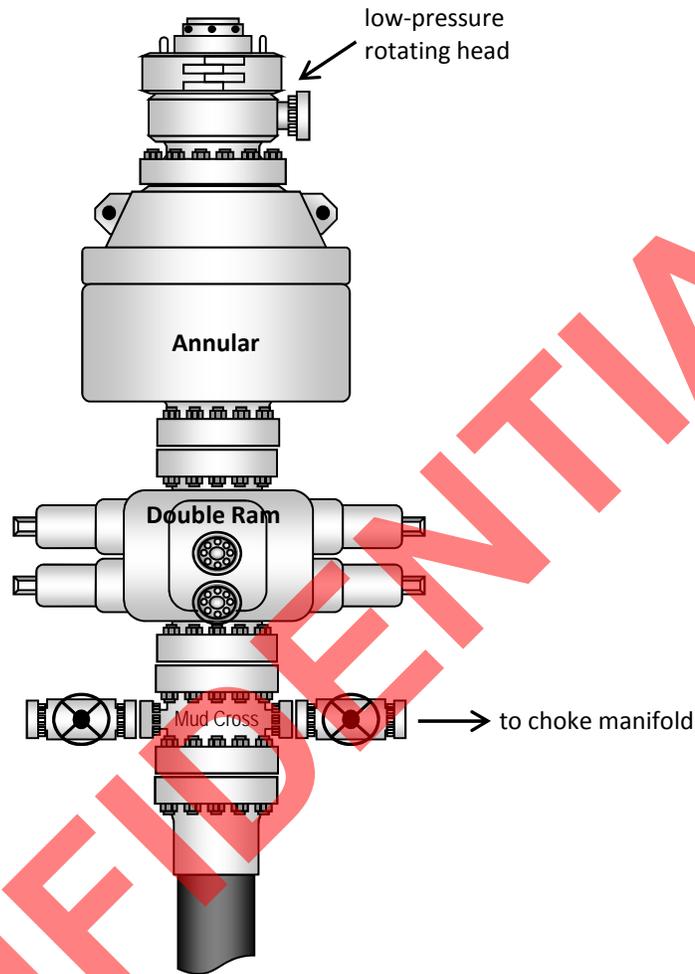


NOTARY PUBLIC

My Commission Expires



Typical 5M BOP stack configuration



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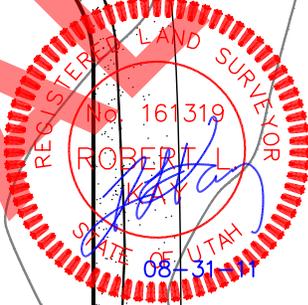
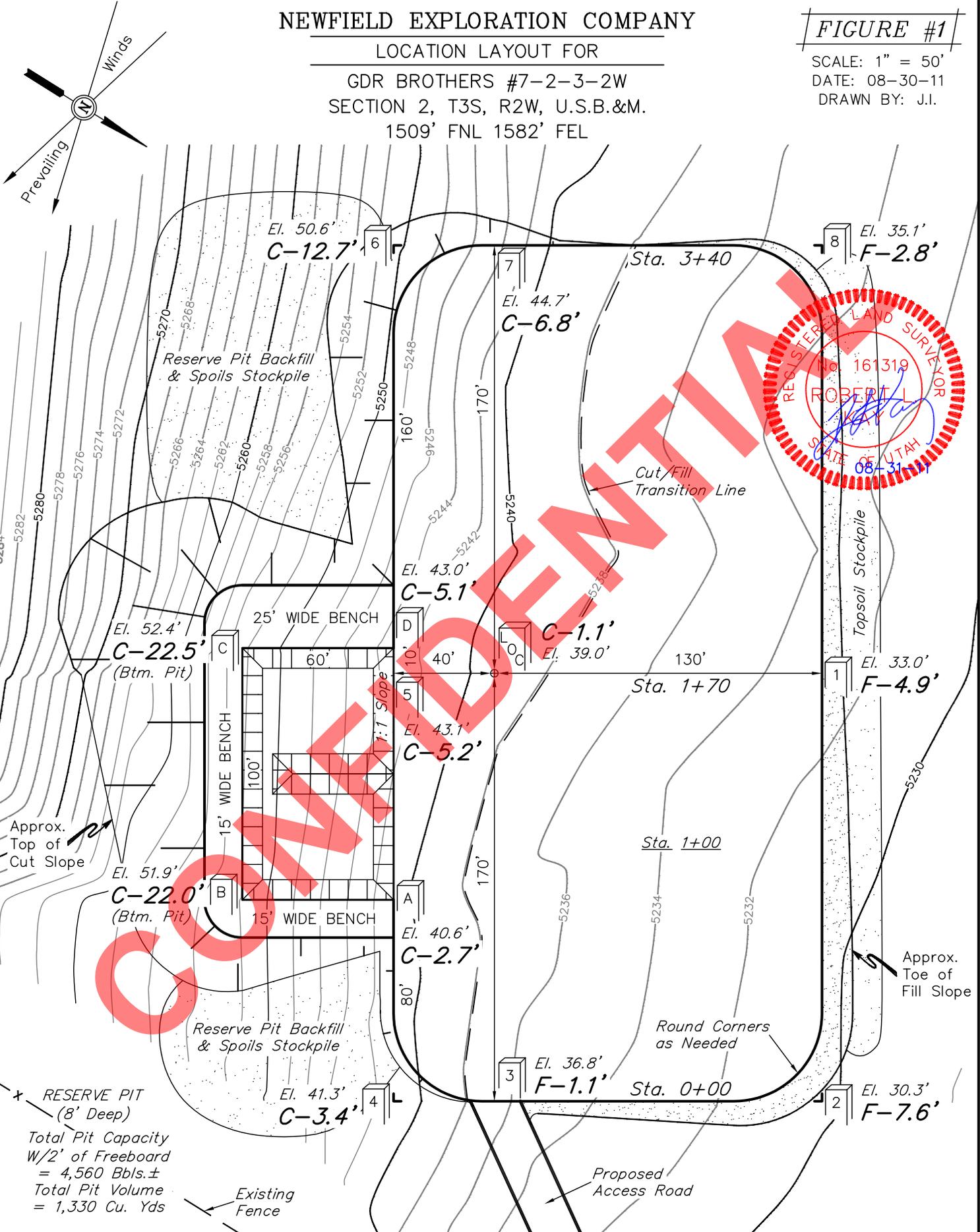
# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT FOR

GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL

FIGURE #1

SCALE: 1" = 50'  
DATE: 08-30-11  
DRAWN BY: J.I.



RESERVE PIT  
(8' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 4,560 Bbls.±  
Total Pit Volume  
= 1,330 Cu. Yds

Existing Fence

Proposed Access Road

Elev. Ungraded Ground At Loc. Stake = 5239.0'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5237.9'

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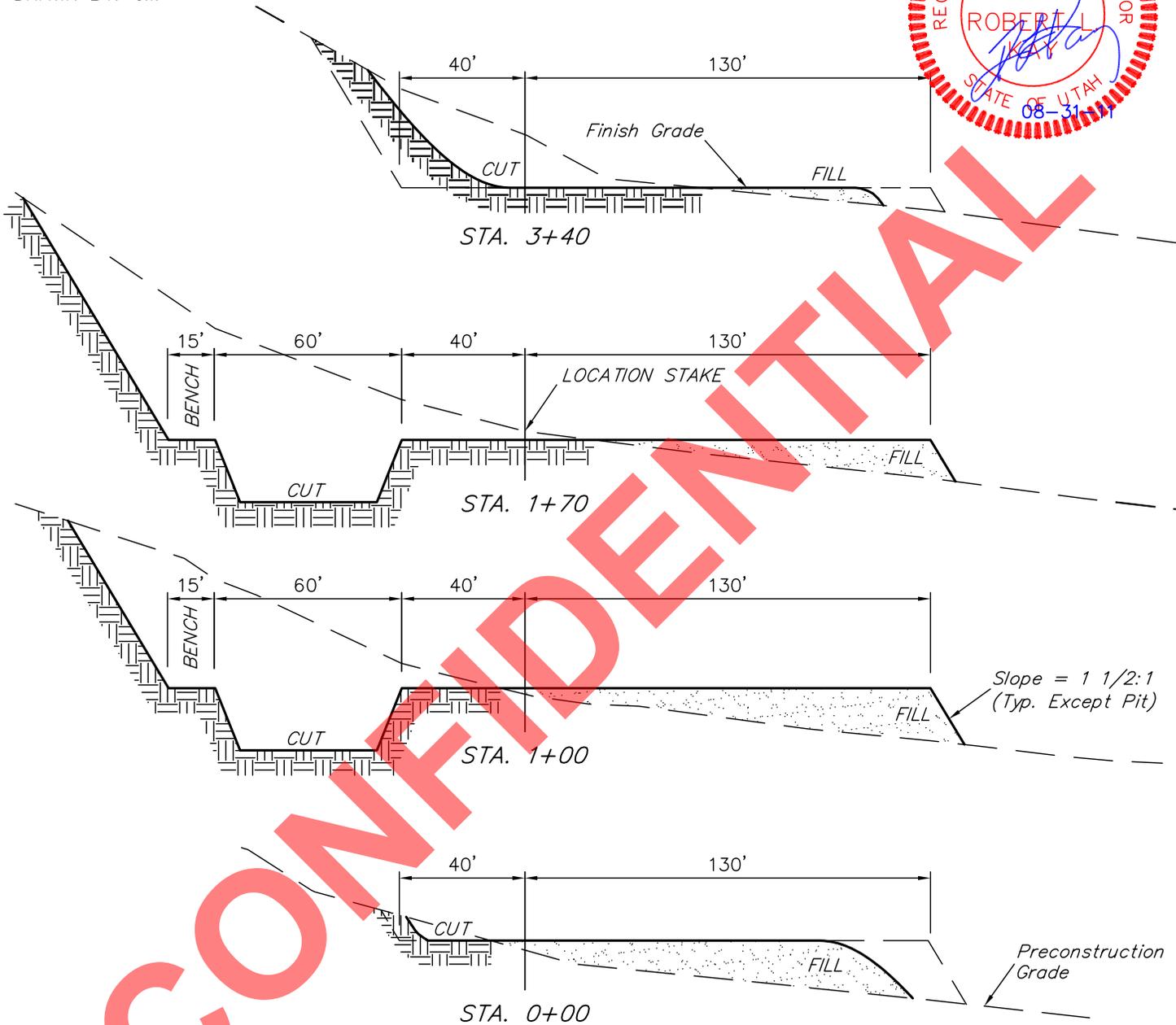
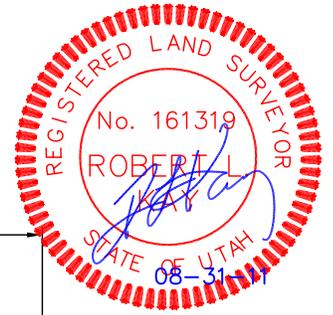
FIGURE #2

TYPICAL CROSS SECTIONS FOR

GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL

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

DATE: 08-30-11  
DRAWN BY: J.I.



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NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.641 ACRES  
ACCESS ROAD DISTURBANCE = ± 2.151 ACRES  
TOTAL = ± 4.792 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,690 Cu. Yds.  
Remaining Location = 10,620 Cu. Yds.  
TOTAL CUT = 12,310 CU.YDS.  
FILL = 5,860 CU.YDS.

EXCESS MATERIAL = 6,450 Cu. Yds.  
Topsoil & Pit Backfill = 2,360 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 4,090 Cu. Yds.  
(After Interim Rehabilitation)

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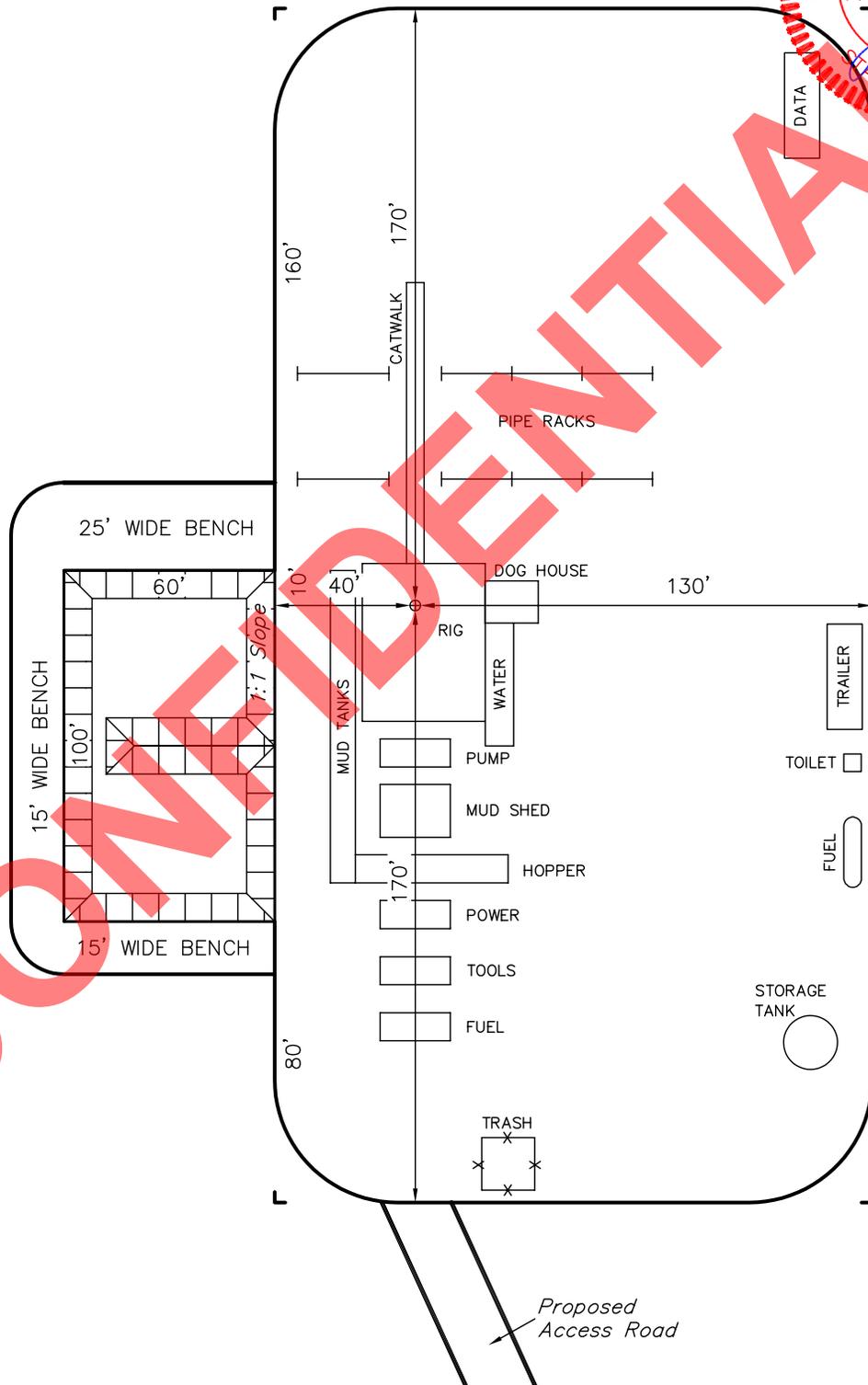
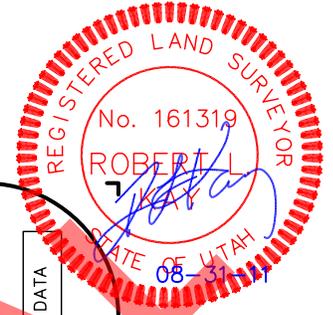
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## TYPICAL RIG LAYOUT FOR

GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL

FIGURE #3

SCALE: 1" = 50'  
DATE: 08-30-11  
DRAWN BY: J.I.



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RESERVE PIT  
(8' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 4,560 Bbls.±  
Total Pit Volume  
= 1,330 Cu. Yds

Proposed Access Road

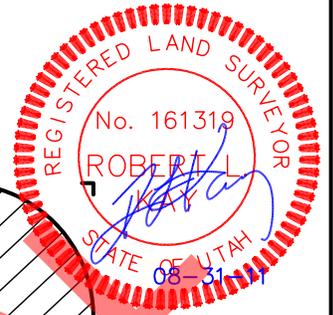
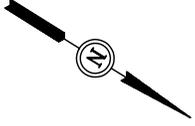
NEWFIELD EXPLORATION COMPANY

PRODUCTION FACILITY LAYOUT FOR

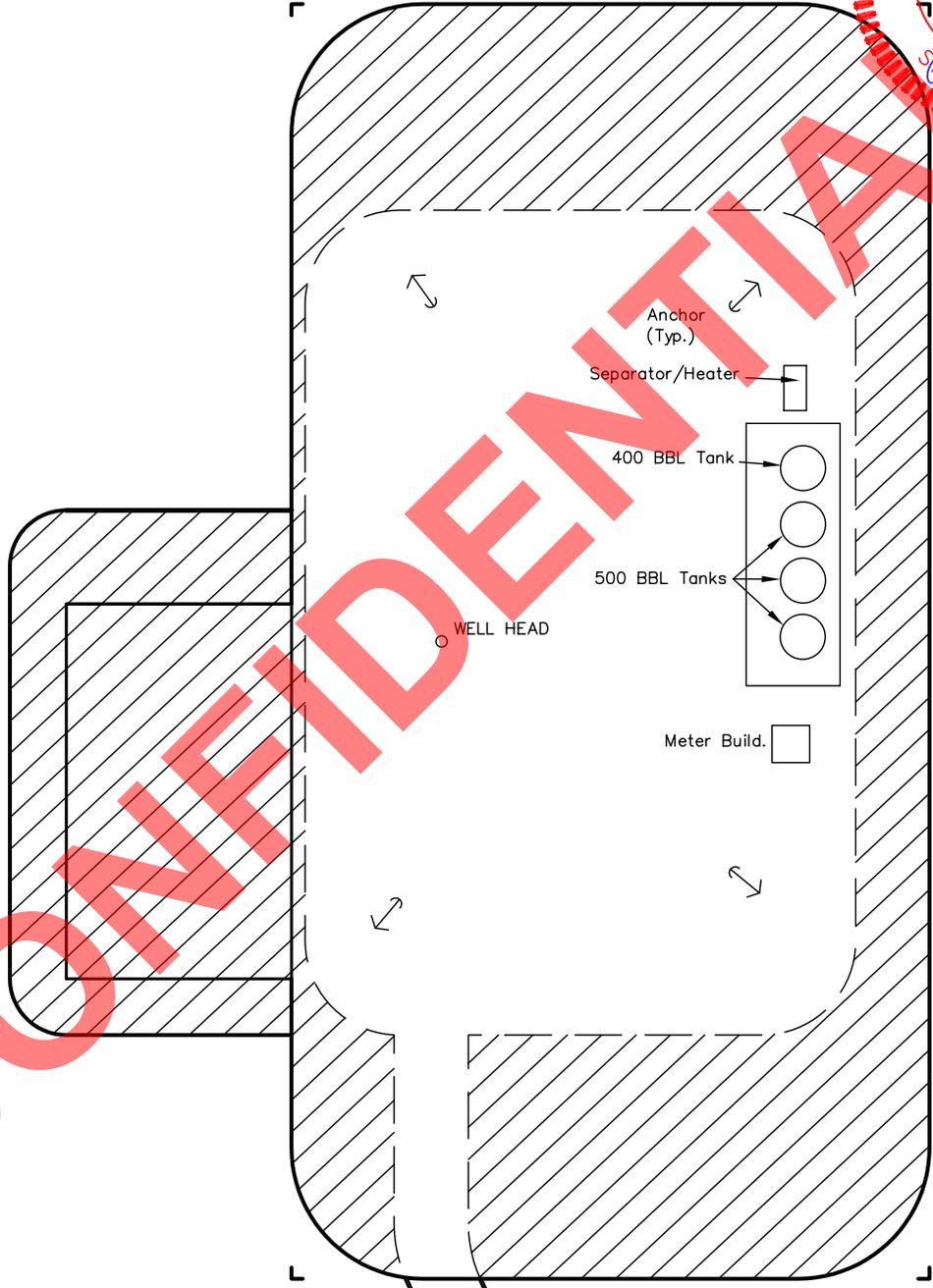
GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL

FIGURE #4

SCALE: 1" = 50'  
DATE: 08-30-11  
DRAWN BY: J.I.



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APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 0.758 ACRES

RECLAIMED AREA

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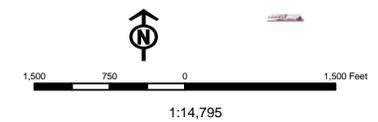
RECEIVED: September 11, 2011



**API Number: 4301350954**  
**Well Name: GDR Brothers 7-2-3-2W**  
**Township T0.3 . Range R0.2 . Section 02**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- | Units         | Wells Query                        |
|---------------|------------------------------------|
| <b>STATUS</b> | <b>Status</b>                      |
| 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        | DPS - Operation Suspended          |
| PP GEOTHERMAL | 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      | WIW - Water Injection Well         |
| STORAGE       | WSW - Water Supply Well            |
| TERMINATED    |                                    |
| Sections      |                                    |
| Township      |                                    |



Well Name	NEWFIELD PRODUCTION COMPANY GDR Brothers 7-2-3-2W			
String	COND	SURF	I1	PROD
Casing Size(")	13.375	9.625	7.000	4.500
Setting Depth (TVD)	60	1000	8730	10600
Previous Shoe Setting Depth (TVD)	0	60	1000	8730
Max Mud Weight (ppg)	8.3	8.3	11.0	11.0
BOPE Proposed (psi)	0	500	5000	5000
Casing Internal Yield (psi)	1000	3520	9950	10690
Operators Max Anticipated Pressure (psi)	5788			10.5

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	432	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	312	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	212	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	225	NO Reasonable
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

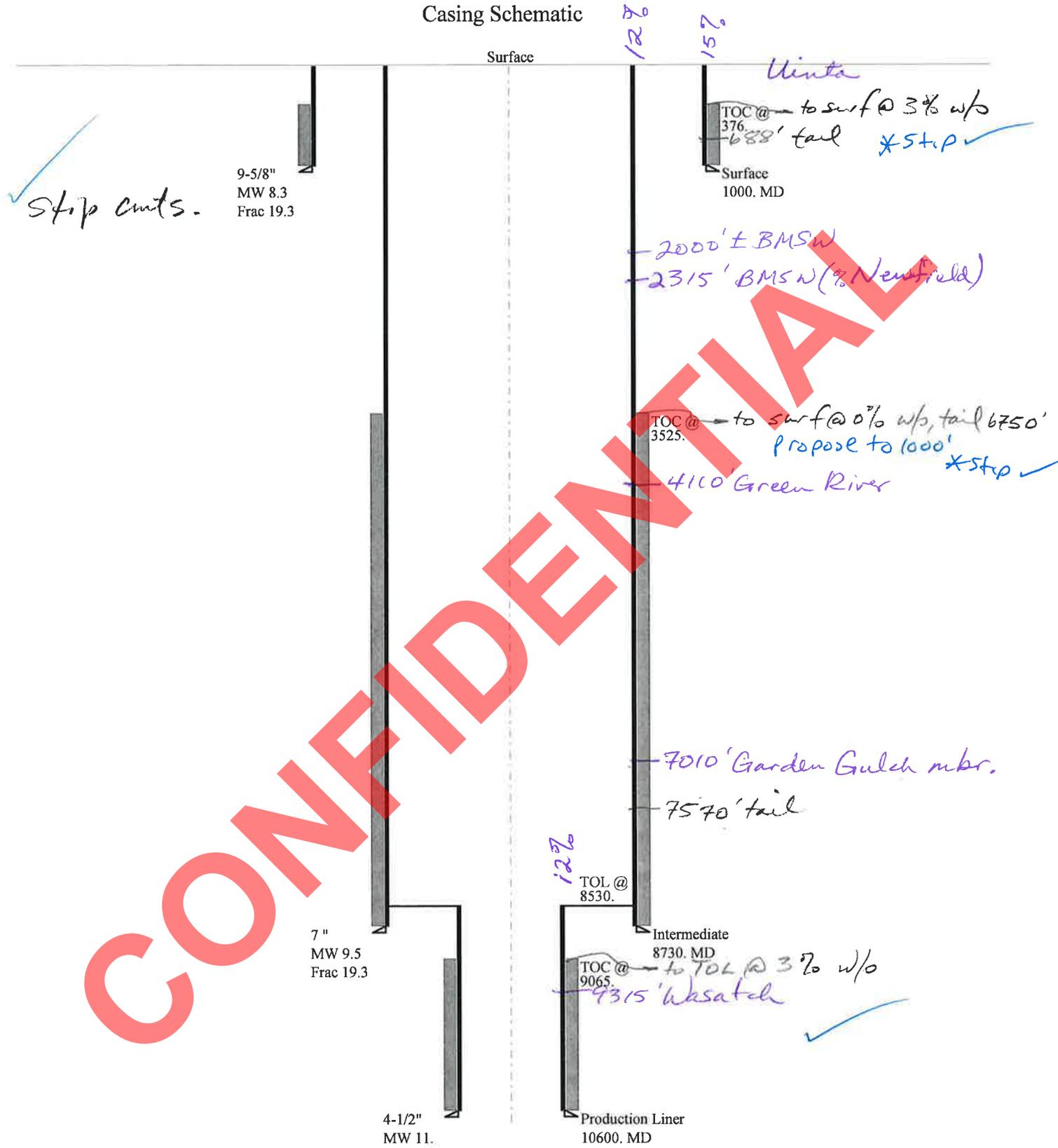
Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	4994	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3946	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3073	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3293	NO Reasonable
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	6063	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4791	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3731	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5652	YES OK
Required Casing/BOPE Test Pressure=		5000	psi

**CONFIDENTIAL**

# 43013509540000 GDR Brothers 7-2-3-2W

## Casing Schematic



Well name:	<b>43013509540000 GDR Brothers 7-2-3-2W</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Surface	Project ID:	43-013-50954
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 880 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 1,000 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: 877 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 88 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: 376 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 8,730 ft  
 Next mud weight: 9.500 ppg  
 Next setting BHP: 4,308 psi  
 Fracture mud wt: 19,250 ppg  
 Fracture depth: 1,000 ft  
 Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	9.625	36.00	J-55	ST&C	1000	1000	8.796	8691
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	433	2020	4.669	1000	3520	3.52	36	394	10.95 J

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

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

Date: October 7, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.33 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.

Well name:	<b>43013509540000 GDR Brothers 7-2-3-2W</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Intermediate	Project ID:	43-013-50954
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 3,725 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 5,646 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: 7,479 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 196 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: 3,525 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 10,600 ft  
 Next mud weight: 11.000 ppg  
 Next setting BHP: 6,057 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 8,730 ft  
 Injection pressure: 8,730 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	8730	7	26.00	P-110	LT&C	8730	8730	6.151	90748
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	4308	6230	1.446	5646	9950	1.76	227	693	3.05 J

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

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

Date: October 7, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 8730 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.

Well name:	<b>43013509540000 GDR Brothers 7-2-3-2W</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Production Liner	Project ID: 43-013-50954
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 11.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 222 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 9,065 ft

Liner top: 8,530 ft

**Non-directional string.**

**Burst**

Max anticipated surface pressure: 3,725 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 6,057 psi

No backup mud specified.

**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: 10,255 ft

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	2100	4.5	11.60	P-110	LT&C	10600	10600	3.875	10118
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	6057	7580	1.251	6057	10690	1.76	24.4	279	11.45 J

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

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

Date: October 7, 2011  
Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 10600 ft, a mud weight of 11 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** GDR Brothers 7-2-3-2W  
**API Number** 43013509540000      **APD No** 4562      **Field/Unit** WILDCAT  
**Location: 1/4,1/4** SWNE      **Sec 2 Tw 3.0S Rng 2.0W** 1509 FNL 1582 FEL  
**GPS Coord (UTM)**      **Surface Owner** Daniel E. & Jodie Lynn Crozier

### Participants

M. Jones (UDOGM), T. Eaton, Zander McKentyre, J. Pippy.

### Regional/Local Setting & Topography

This proposed location is located approximately 4 miles southwest of Roosevelt, Utah and about 4 miles north of Myton, Utah. Site is just west of Highway 40 at the 45 degree bend just as you drop off the Myton bench traveling from Myton to Roosevelt. Topography is sloped to the north and east. Mostly to the north. Cuts and fills are moderate. Access will be from the north east.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Agricultural

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.27	<b>Width 170    Length 340</b>	Onsite	

#### **Ancillary Facilities**

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

grasses, rabbit brush, other forbs, and weeds.

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

gravely clay.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** Y

Divert drainages around and away from pad and access.

**Berm Required?** Y

Berm location to prevent fluids from leaving location and keep storm runoff away from pad.

Erosion Sedimentation Control Required? N

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

Reserve Pit

**Site-Specific Factors**

**Site Ranking**

- Distance to Groundwater (feet)**
- Distance to Surface Water (feet)**
- Dist. Nearest Municipal Well (ft)**
- Distance to Other Wells (feet)**
- Native Soil Type**
- Fluid Type**
- Drill Cuttings**
- Annual Precipitation (inches)**
- Affected Populations**
- Presence Nearby Utility Conduits**

**Final Score**

**Sensitivity Level**

**Characteristics / Requirements**

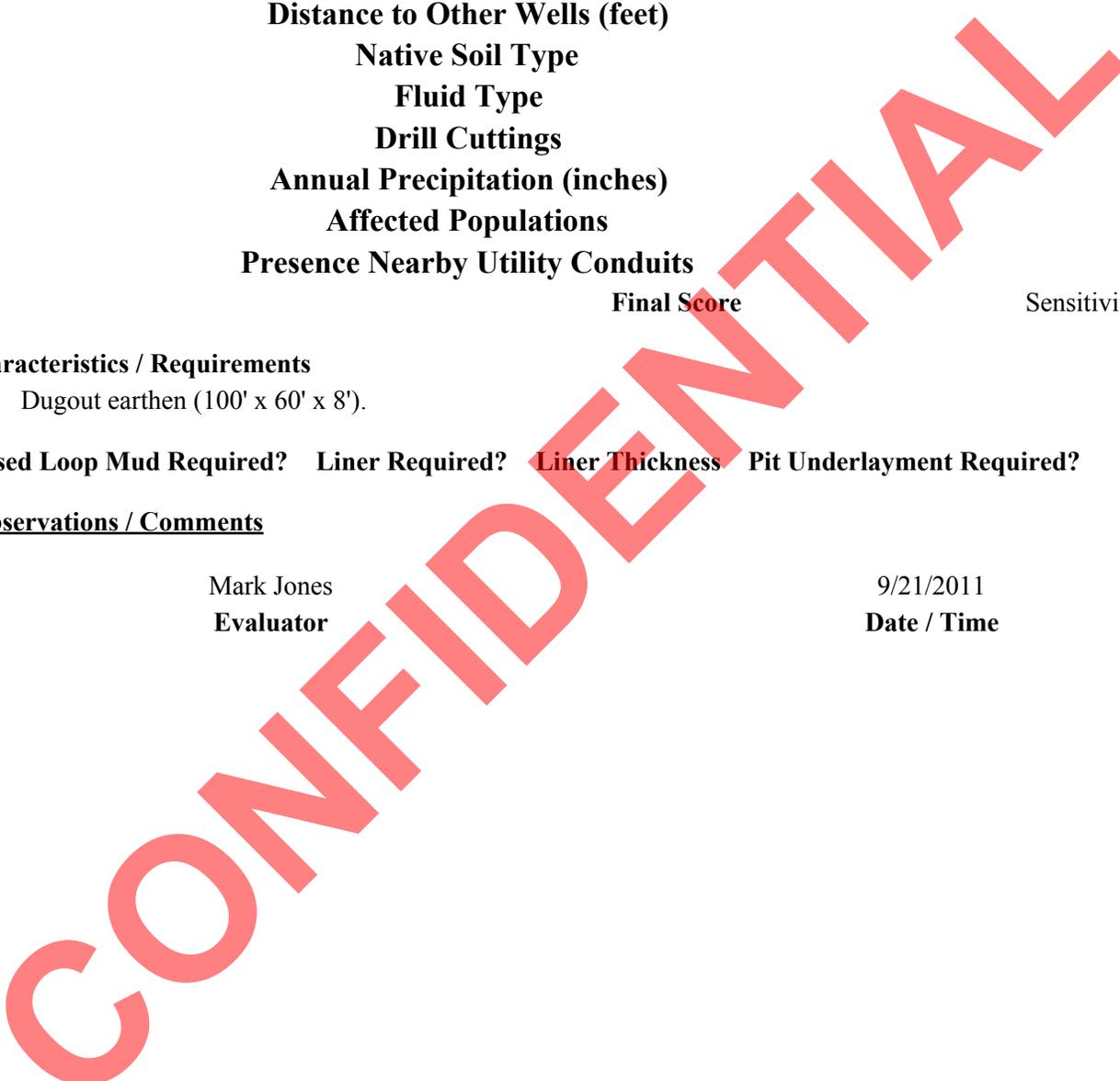
Dugout earthen (100' x 60' x 8').

**Closed Loop Mud Required? Liner Required? Liner Thickness Pit Underlayment Required?**

Other Observations / Comments

Mark Jones  
Evaluator

9/21/2011  
Date / Time



# Application for Permit to Drill Statement of Basis

10/19/2011

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>
4562	43013509540000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Daniel E. & Jodie Lynn Crozier	
<b>Well Name</b>	GDR Brothers 7-2-3-2W		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNE 2 3S 2W U 1509 FNL 1582 FEL		<b>GPS Coord (UTM)</b>	578826E	4456404N

### Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 1,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,000'. Air and or fresh water will be used to drill the entire surface hole. A search of Division of Water Rights records shows 23 water wells within a 10,000 foot radius of the center of Section 2. Depth is listed as ranging from 22 to 800 feet. Depths are not listed for 5 wells. Average depth is around 150 feet. Water use is listed as irrigation, stock watering, municipal, industrial and domestic use. There are 13 wells just over 1/2 mile from the proposed location which produce water from a depths of 32 to 800 feet. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The intermediate casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters uphole.

Brad Hill  
APD Evaluator

10/6/2011  
Date / Time

### Surface Statement of Basis

This proposed location is located approximately 4 miles southwest of Roosevelt, Utah and about 4 miles north of Myton, Utah. Site is just west of Highway 40 at the 45 degree bend just as you drop off the Myton bench traveling from Myton to Roosevelt. Topography is sloped to the north and east. Mostly to the north. Cuts and fills are moderate. Access will be from the north east. The pad should be bermed and drainages should be diverted around the well pad.

Mark Jones  
Onsite Evaluator

9/21/2011  
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 well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/11/2011

API NO. ASSIGNED: 43013509540000

WELL NAME: GDR Brothers 7-2-3-2W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: SWNE 02 030S 020W

Permit Tech Review: 

SURFACE: 1509 FNL 1582 FEL

Engineering Review: 

BOTTOM: 1509 FNL 1582 FEL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.25443

LONGITUDE: -110.07240

UTM SURF EASTINGS: 578826.00

NORTHINGS: 4456404.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - B001834
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- 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: Cause 131-51
- Effective Date: 10/27/1983
- Siting: 1320' Fr Exterior Boundry Section
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
8 - Cement to Surface -- 2 strings - hmacdonald  
12 - Cement Volume (3) - hmacdonald

RECEIVED: October 19, 2011



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** GDR Brothers 7-2-3-2W  
**API Well Number:** 43013509540000  
**Lease Number:** Fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 10/19/2011

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**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 Cause 131-51. The expected producing formation or pool is the WASATCH 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:**

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

Cement volumes for the 9 5/8" and 7" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 8530' MD as indicated in the submitted drilling plan.

**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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
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> GDR Brothers 7-2-3-2W	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013509540000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1509 FNL 1582 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 02 Township: 03.0S Range: 02.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
		<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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/10/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Newfield Production Company respectfully requests that the location layout be changed to accomodate a different rig than initially anticipated. Attached please find an updated plat package reflecting changes to the location layouts, cross-sections and maps as a result of the layout change.</p> <div style="text-align: right; margin-top: 20px;"> <p><b>Approved by the Utah Division of Oil, Gas and Mining</b></p> <p><b>Date:</b> <u>12/05/2011</u></p> <p><b>By:</b> <u></u></p> </div>		
<b>NAME (PLEASE PRINT)</b> Don Hamilton	<b>PHONE NUMBER</b> 435 719-2018	<b>TITLE</b> Permitting Agent
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/27/2011	

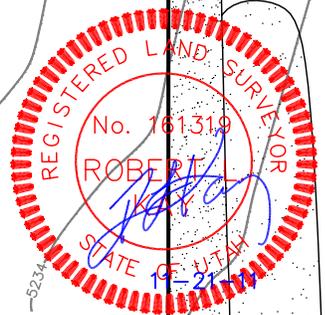
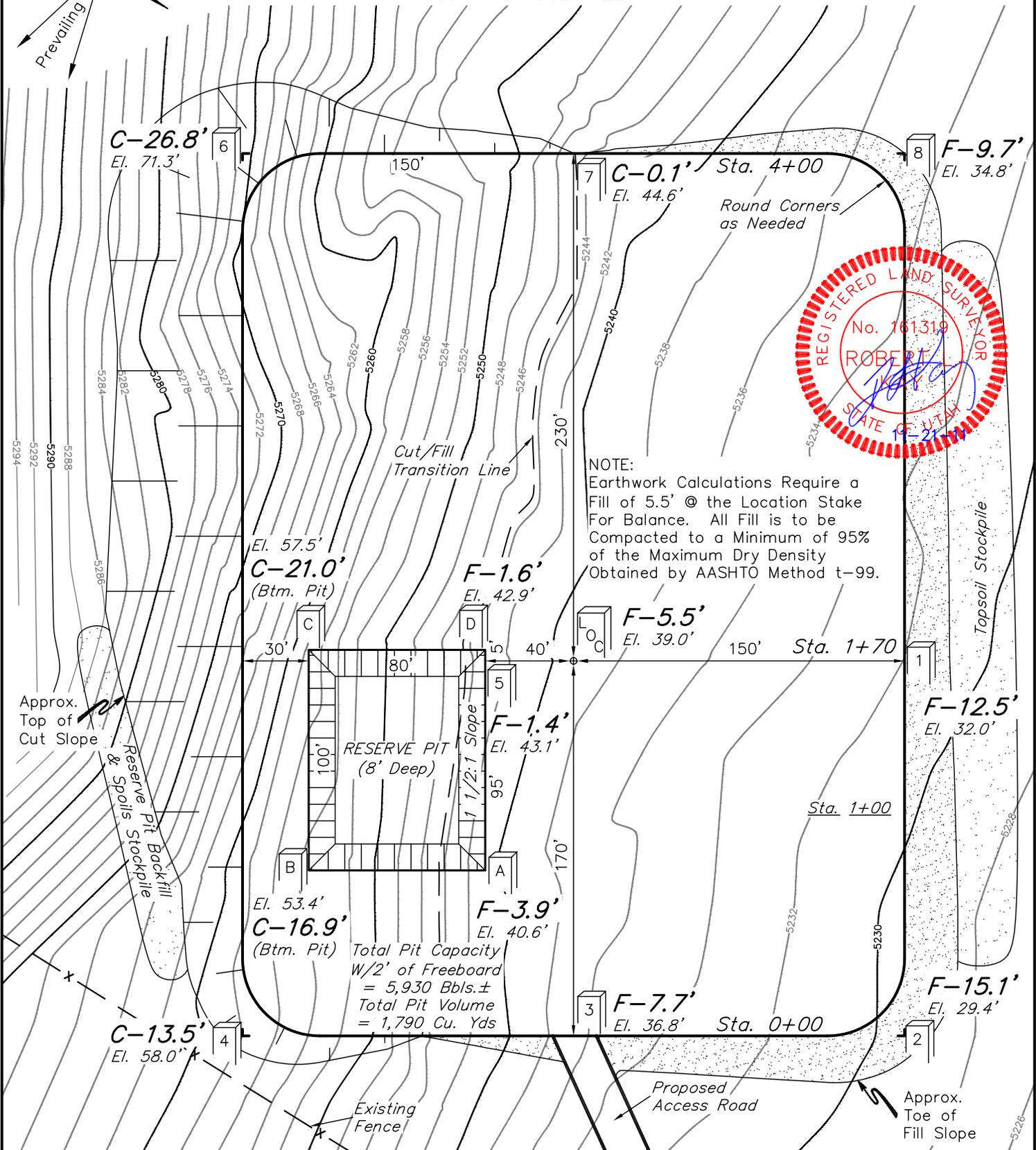
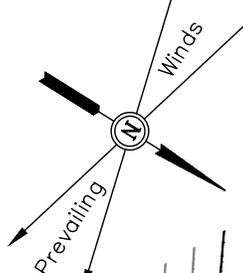
# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT FOR

GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL

**FIGURE #1**

SCALE: 1" = 60'  
DATE: 08-30-11  
DRAWN BY: J.I.  
REV.: 11-17-11



NOTE:  
Earthwork Calculations Require a Fill of 5.5' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

Elev. Ungraded Ground At Loc. Stake = **5239.0'**  
FINISHED GRADE ELEV. AT LOC. STAKE = **5234.5'**

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

**RECEIVED** Nov. 27, 2011

**FIGURE #2**

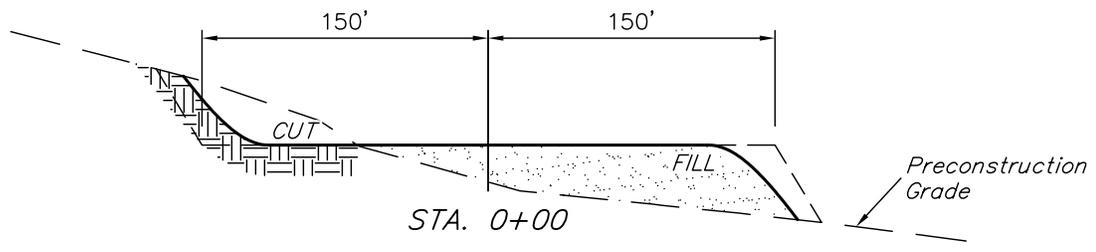
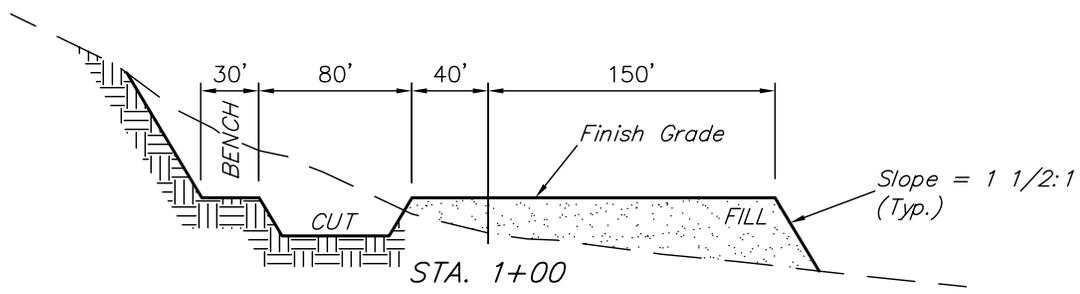
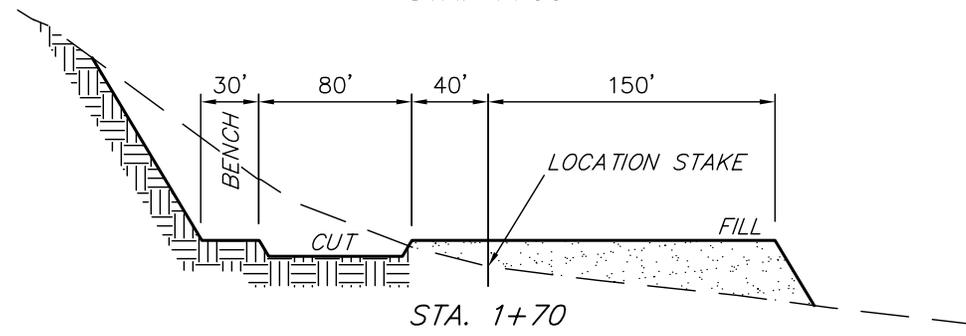
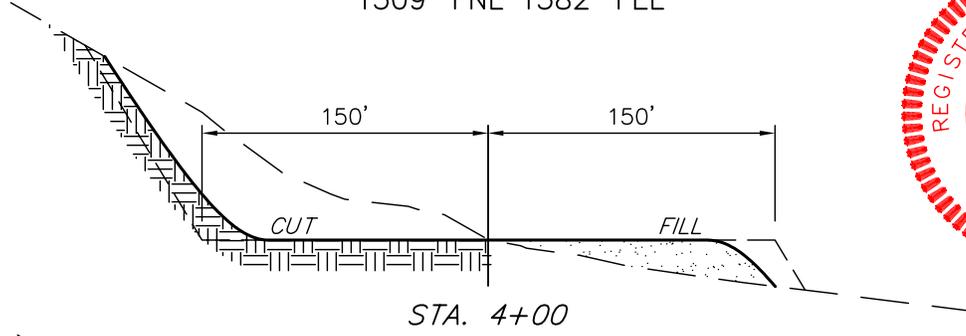
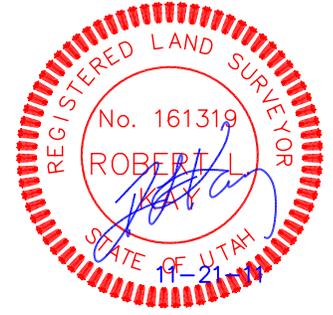
**NEWFIELD EXPLORATION COMPANY**

**TYPICAL CROSS SECTIONS FOR**

**GDR BROTHERS #7-2-3-2W**  
**SECTION 2, T3S, R2W, U.S.B.&M.**  
**1509' FNL 1582' FEL**

X-Section Scale  
 1" = 100'  
 1" = 40'

DATE: 08-30-11  
 DRAWN BY: J.I.  
 REV.: 11-17-11



APPROXIMATE ACREAGES  
 WELL SITE DISTURBANCE = ± 3.616 ACRES  
 ACCESS ROAD DISTURBANCE = ± 2.151 ACRES  
 TOTAL = ± 5.767 ACRES

\* NOTE:  
 FILL QUANTITY INCLUDES  
 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	3,040 Cu. Yds.
Remaining Location	=	28,130 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>31,170 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>27,230 CU.YDS.</b>

EXCESS MATERIAL	=	3,940 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,940 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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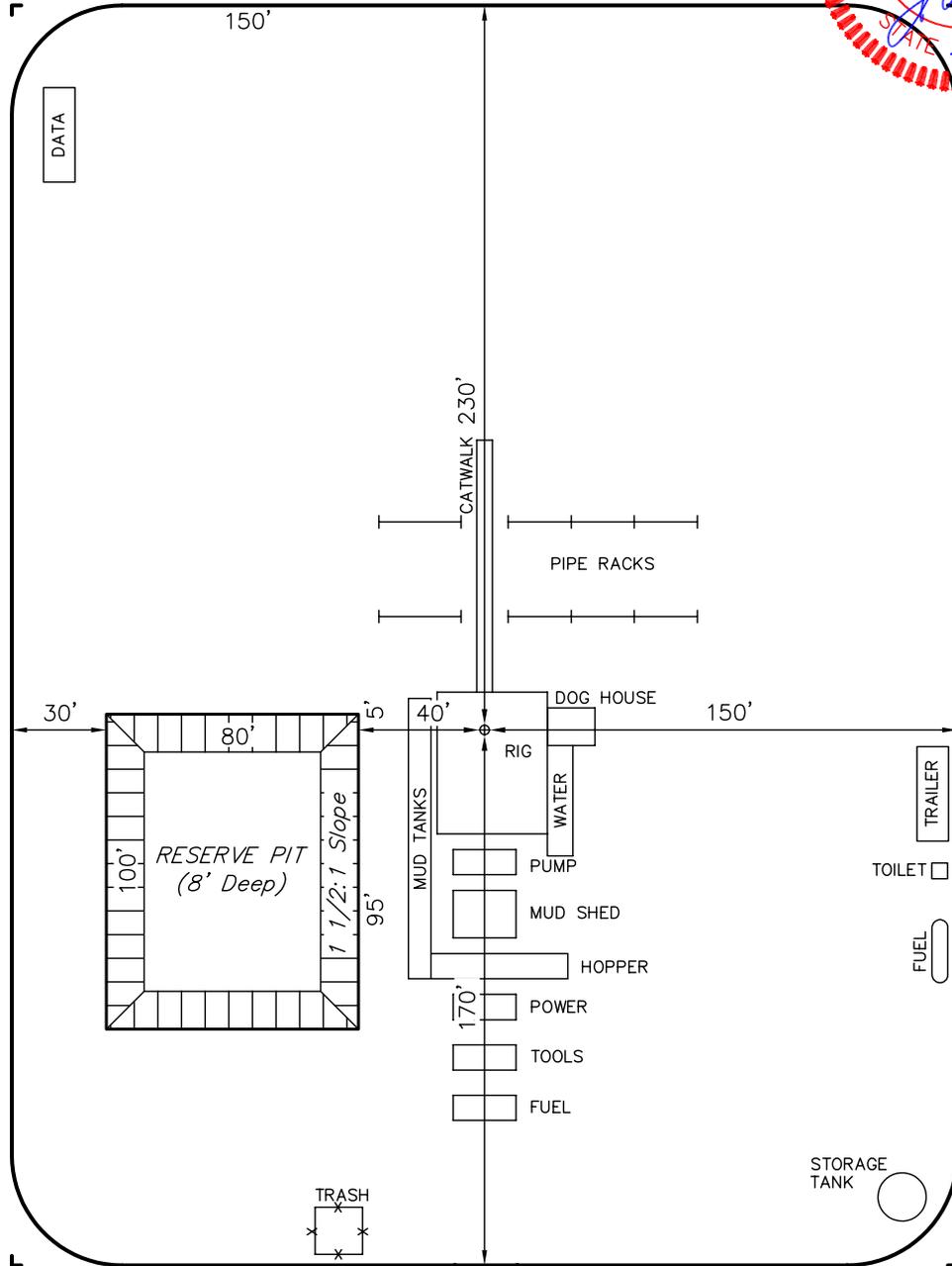
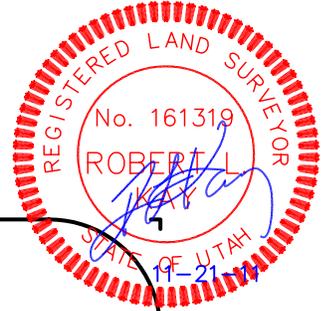
# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT FOR

GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL

FIGURE #3

SCALE: 1" = 60'  
DATE: 08-30-11  
DRAWN BY: J.I.  
REV.: 11-17-11



Total Pit Capacity  
W/2' of Freeboard  
= 5,930 Bbls.±  
Total Pit Volume  
= 1,790 Cu. Yds

Proposed Access Road

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85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

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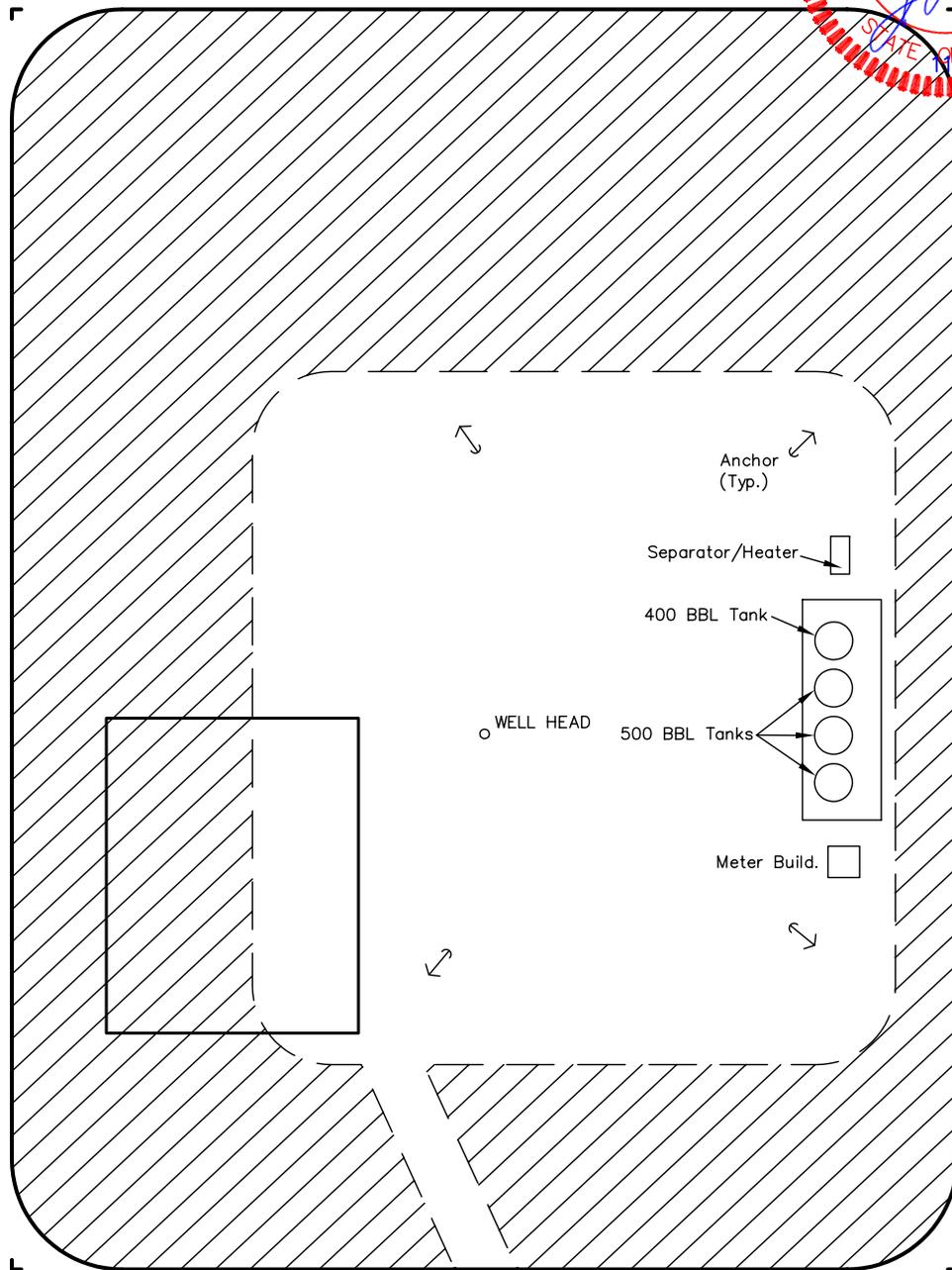
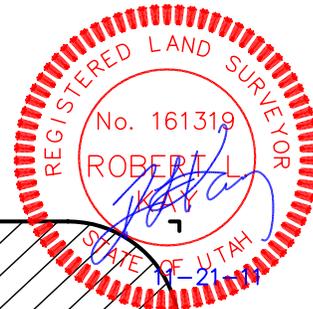
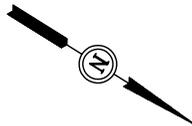
# NEWFIELD EXPLORATION COMPANY

## PRODUCTION FACILITY LAYOUT FOR

GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL

FIGURE #4

SCALE: 1" = 60'  
DATE: 08-30-11  
DRAWN BY: J.I.  
REV: 11-17-11



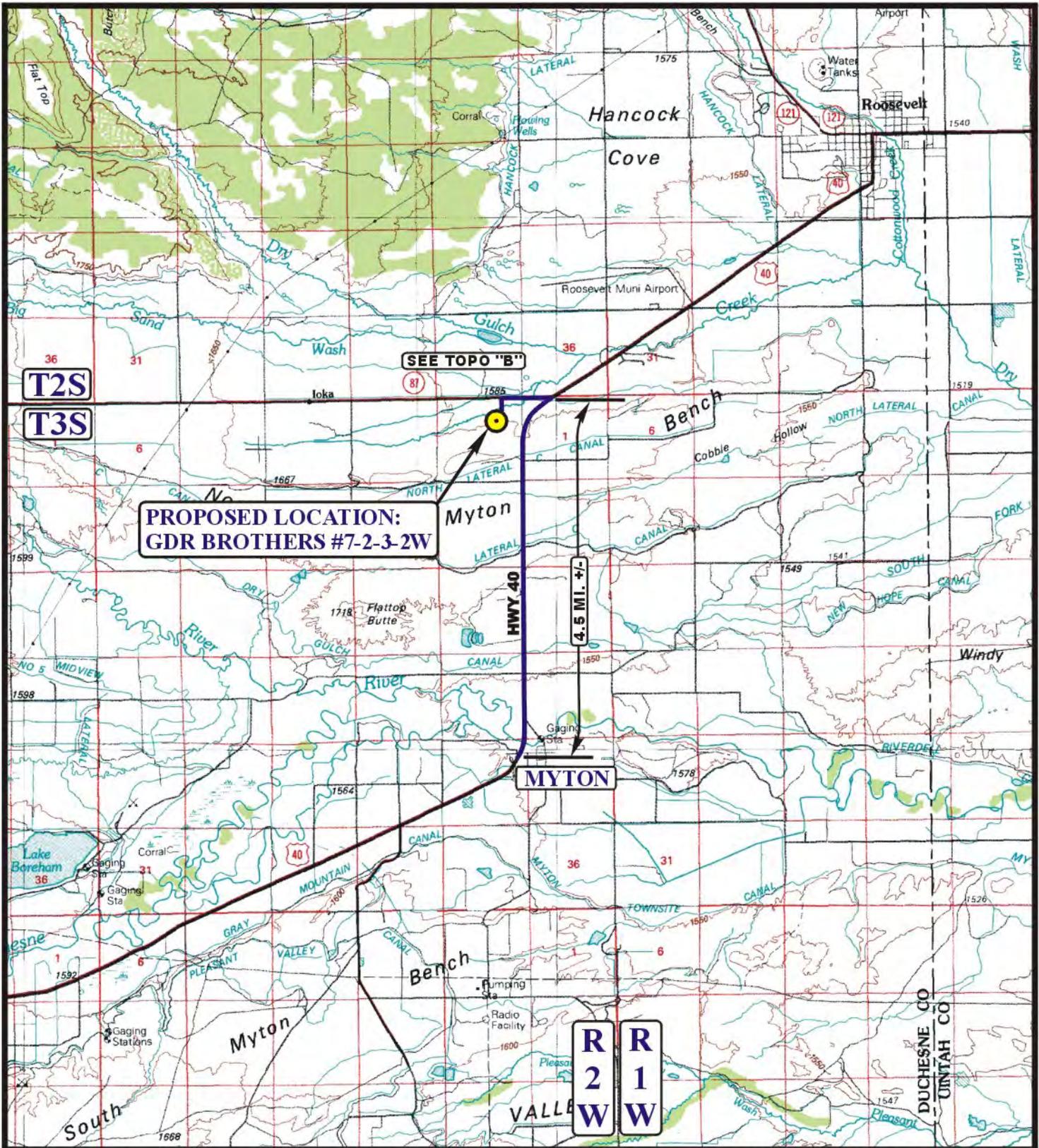
APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 1.048 ACRES

RECLAIMED AREA

Access Road

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85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

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**LEGEND:**

PROPOSED LOCATION

**NEWFIELD EXPLORATION COMPANY**

**GDR BROTHERS #7-2-3-2W**  
**SECTION 2, T3S, R2W, U.S.B.&M.**  
**1509' FNL 1582' FEL**



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

**ACCESS ROAD**  
**MAP**

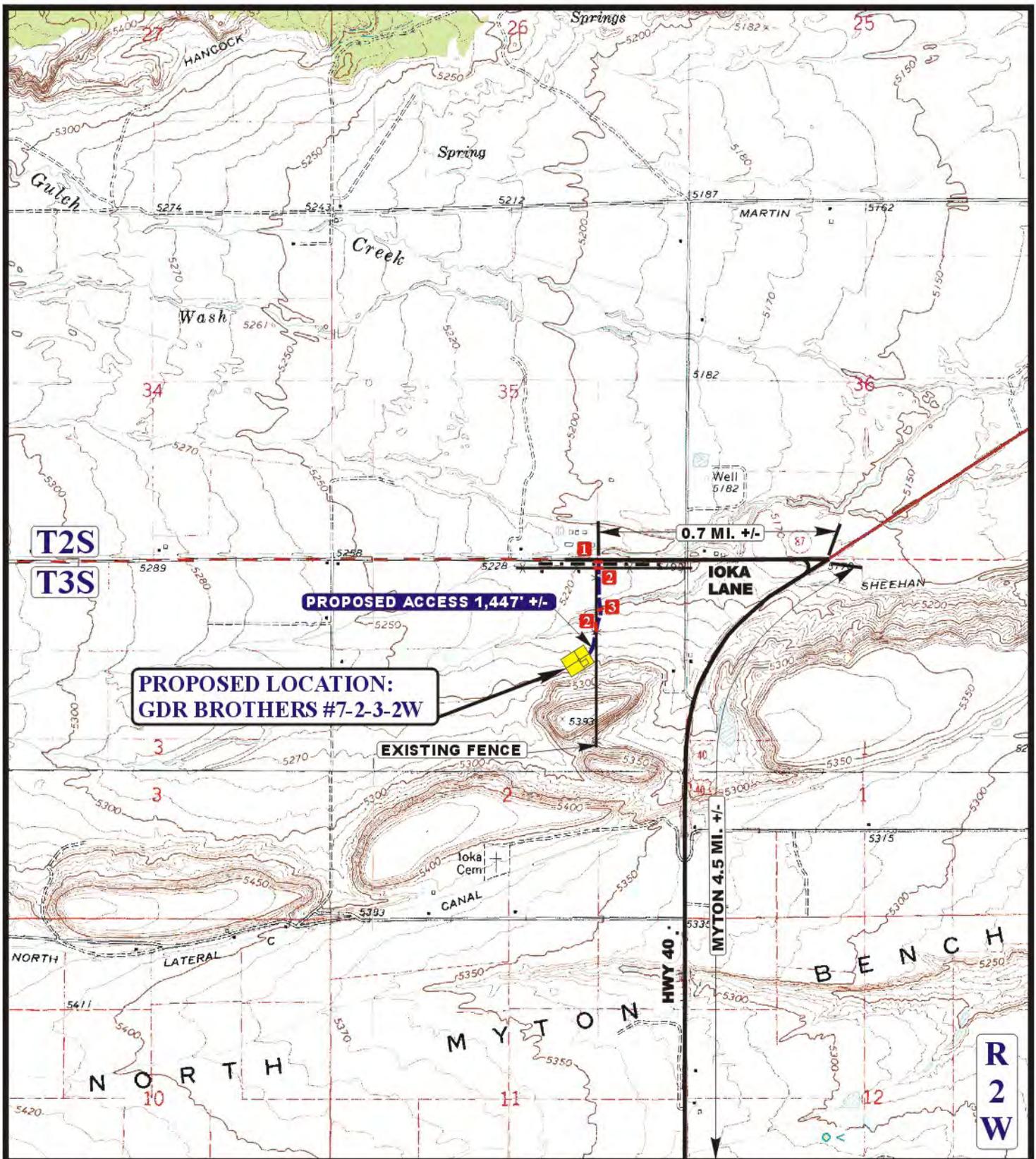
**08 29 11**  
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: B.D.H. REVISED: 00-00-00



**RECEIVED**

Nov. 27, 2011



**T2S**  
**T3S**

**PROPOSED LOCATION:  
GDR BROTHERS #7-2-3-2W**

**PROPOSED ACCESS 1,447' +/-**

**EXISTING FENCE**

**0.7 MI. +/-**

**IOKA LANE**

**SHEEHAN**

**MYTON 4.5 MI. +/-**

**HWY 40**

**BENCH**

**NORTH**

**MYTON**

**R  
2  
W**

**LEGEND:**

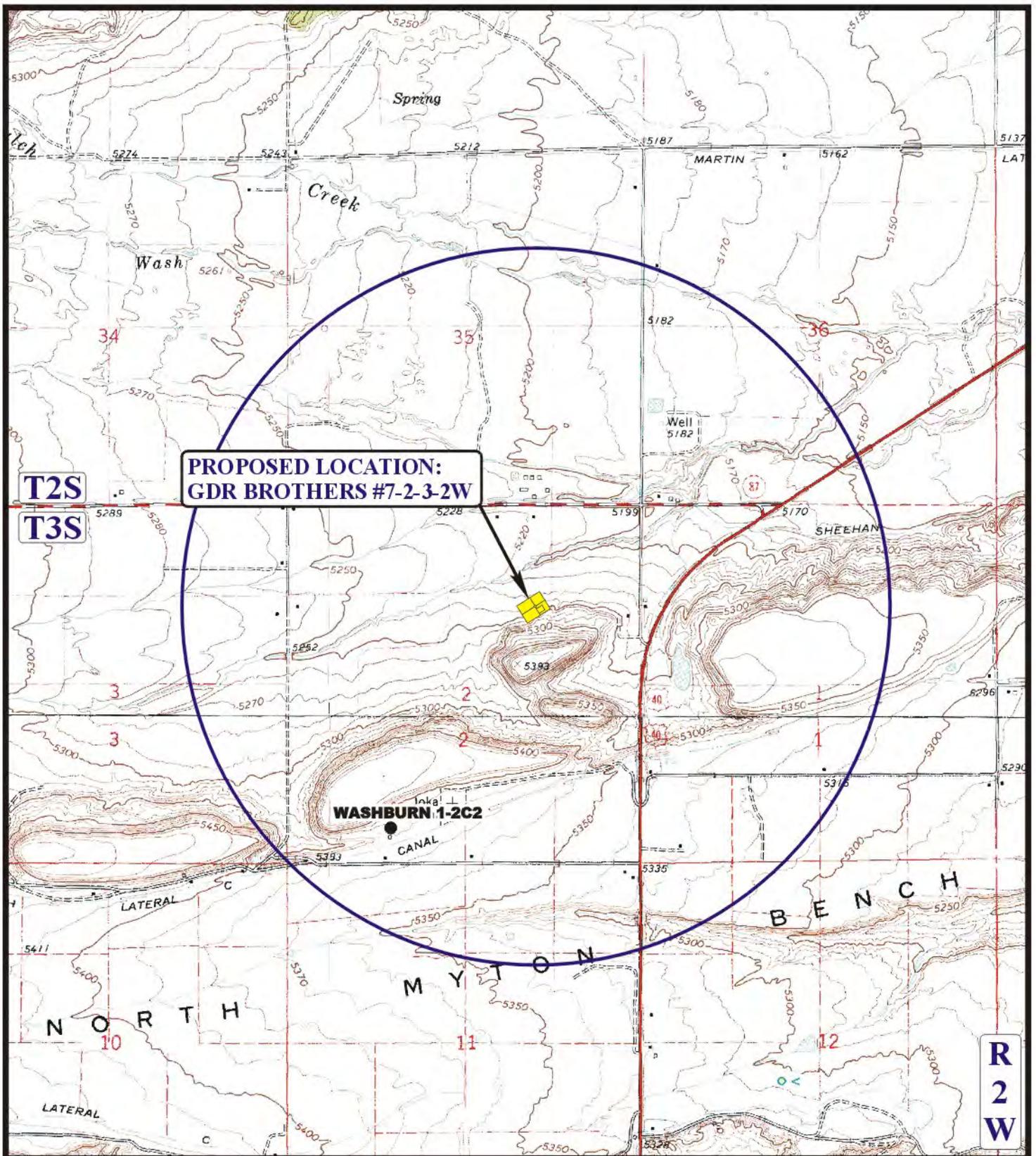
- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING FENCE
- EXISTING POWER LINE
- 18" CMP REQUIRED
- 1 INSTALL CATTLE GUARD
- 36" CMP REQUIRED

**NEWFIELD EXPLORATION COMPANY**

**GDR BROTHERS #7-2-3-2W**  
**SECTION 2, T3S, R2W, U.S.B.&M.**  
**1509' FNL 1582' FEL**

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

**ACCESS ROAD MAP** **08 29 11**  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 11-17-11 **B TOPO**



**PROPOSED LOCATION:  
GDR BROTHERS #7-2-3-2W**

**T2S**

**T3S**

**R  
2  
W**

**LEGEND:**

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

**NEWFIELD EXPLORATION COMPANY**

**GDR BROTHERS #7-2-3-2W  
SECTION 2, T3S, R2W, U.S.B.&M.  
1509' FNL 1582' FEL**



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



**TOPOGRAPHIC MAP** 08 29 11  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 11-17-11



CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross # 33 Submitted  
By Troy Zufelt Phone Number 823-7468  
Well Name/Number GDR Brothers 7-2-3-2W  
Qtr/Qtr SW/NE Section 2 Township 3S Range 2W  
Lease Serial Number Fee  
API Number 43-013-50954

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 12/16/11 09:00 AM  PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 12/16/11 16:00 AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time \_\_\_\_\_ AM  PM

Remarks \_\_\_\_\_

---

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
 ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	18369	4301350954	GDR BROTHERS 7-2-3-2W	SWNE	2	3S	2W	DUCHESNE	12/16/2011	1/18/2012
WELL 1 COMMENTS: WSTC											
<b>CONFIDENTIAL</b>											
A	99999	18370	4301350955	GILBERT 9-9-3-3W	NESE	9	3S	3W	DUCHESNE	12/15/2011	1/18/2012
WSTC											
<b>CONFIDENTIAL</b>											
A	99999	18371	4301350985	YERGENSEN 7-7-3-1W	SWNE	7	3S	1W	DUCHESNE	12/28/2011	1/18/2012
WSTC											
<b>CONFIDENTIAL</b>											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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 JAN 03 2012

Signature Jentri Park  
 Production Clerk 01/03/12

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: UINTA CB - WASATCH DEEP
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1509 FNL 1582 FEL		8. WELL NAME and NUMBER: GDR BROTHERS 7-2-3-2W
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 2, T3S, R2W		9. API NUMBER: 4301350954
		10. FIELD AND POOL, OR WILDCAT: UINTA CENTRAL BASIN
		COUNTY: DUCHESNE
		STATE: UT

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 (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/13/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 12/16/11 MIRU Ross #29. Spud well @9:00 AM. Drill 60' of 18" hole with air mist. TIH W/ 2 Jt's 14" H-40 36# csgn. Set @ 60. On 12/17/11 cement with 90 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 5 barrels cement to pit. WOC.

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DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Branden Arnold TITLE \_\_\_\_\_

SIGNATURE *Branden Arnold* DATE 01/13/2012

## Casing / Liner Detail

**Well** GDR Brothers 7-2-3-2W  
**Prospect** Central Basin  
**Foreman** \_\_\_\_\_  
**Run Date:** \_\_\_\_\_  
**String Type** Conductor, 14", 36.71#, H-40, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
0.00	60.00	2	14" conductor	14.000	13.500

### Cement Detail

<b>Cement Company:</b>					
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft <sup>3</sup> )	Description - Slurry Class and Additives
<b>Stab-In-Job?</b> BHT: <span style="float: right;">0</span> Initial Circulation Pressure: Initial Circulation Rate: Final Circulation Pressure: Final Circulation Rate: Displacement Fluid: Displacement Rate: Displacement Volume: Mud Returns: Centralizer Type And Placement:			Cement To Surface? Est. Top of Cement: Plugs Bumped? Pressure Plugs Bumped: Floats Holding? Casing Stuck On / Off Bottom? Casing Reciprocated? Casing Rotated? CIP: Casing Wt Prior To Cement: Casing Weight Set On Slips:		

## Casing / Liner Detail

**Well** GDR Brothers 7-2-3-2W  
**Prospect** Central Basin  
**Foreman**  
**Run Date:** 1/12/2012  
**String Type** Surface, 9.625", 36#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
1,028.55	1.42		wellhead		
1,029.97	-2.00		Cut off		
13.00	970.50	23	9 5/8 casing	9.625	8.921
983.50	43.05	1	shoe joint	9.625	8.921
1,026.55	2.00		guide shoe/float collar		
1,028.55			Total KB		

### Cement Detail

<b>Cement Company:</b>					
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft <sup>3</sup> )	Description - Slurry Class and Additives
1	435	15.8	1.16	504.6	Class G+2%Cacl+.25#CF
<b>Stab-In-Job?</b>			<b>Cement To Surface?</b>		
BHT:			Est. Top of Cement:		
Initial Circulation Pressure:			Plugs Bumped?		
Initial Circulation Rate:			Pressure Plugs Bumped:		
Final Circulation Pressure:			Floats Holding?		
Final Circulation Rate:			Casing Stuck On / Off Bottom?		
Displacement Fluid:			Casing Reciprocated?		
Displacement Rate:			Casing Rotated?		
Displacement Volume:			CIP:		
Mud Returns:			Casing Wt Prior To Cement:		
Centralizer Type And Placement:			Casing Weight Set On Slips:		
First one and other for a total of six					

<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>	5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well	7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	8. WELL NAME and NUMBER: GDR BROTHERS 7-2-3-2W
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	9. API NUMBER: 43013509540000
PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1509 FNL 1582 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 02 Township: 03.0S Range: 02.0W Meridian: U	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/17/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield respectfully requests approval to complete the Green River Formation of the existing well and submits the following frac procedure and exception to spacing request. Perf Stage 1 (Green River?): Gross Interval 7455'-7654'(3 SPF, 120 deg phasing). Acidize Stage 1 with 11,700 gallons 15% HCl. Swab test 2-5 days. Clean out tanks and sell all oil on location. Set cast iron bridge plug (CIBP) at approximately 7410' and cement top of CIBP with 5 sacks of cement. Perf Stage 2 (Upper Green River?): Gross Interval 7004'-7156' (3 SPF, 120 deg phasing). Frac Stage 2 with 250,000 lbs of proppant, 3877 bbls slickwater. Perf Stage 3 (Upper Green River?): Gross Interval 6821'-6893(3 SPF, 120 deg phasing).Frac Stage 3 with 125,000 lbs of proppant, 2154 bbls slickwater. Green River and Upper Green River will not be commingle without future UDOGM authorization.

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

**Date:** July 23, 2012

**By:** *Don Hamilton*

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 719-2018	TITLE Permitting Agent
SIGNATURE N/A	DATE 7/15/2012	



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

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43013509540000**

**Permanent plug back of the Lower Green River formation will require a minimum of 100' cement immediately above perfs to isolate spaced interval from unspaced interval.**

**Commingling of the Upper and Lower Green River formations cannot take place without proper submittal and approval in accordance with R649-3-22.**

Sundry Number: 27759 API Well Number: 43013509540000

Sundry Number: 27759 API Well Number: 43013509540000



July 10, 2012

State of Utah  
Division of Oil, Gas & Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114

RE: **GDR Bros 7-2-3-2W**  
Township 3 South, Range 2 West  
Section 2: SWNE  
1509' FNL 1582' FEL  
Duchesne County, Utah

Dear Ms. Mason;

Attached herewith is Newfield Production Company's ("Newfield") Sundry Notice to complete the GDR Bros 7-2-3-2W in the Upper Green River formation. The Upper Green River formation is not covered by an existing spacing order, therefore; the siting requirements of R649-3-2 apply. R649-3-2 requires the well to be located in the center of the quarter-quarter section, with a 200' tolerance in any direction. The GDR Bros 7-2-3-2W is located outside of the 200' tolerance, as shown on the attached plat. Pursuant to R649-3-3, Newfield respectfully requests an exception location be granted. Newfield owns 100% of the leasehold within a 460' radius of the well location, as depicted in yellow on the attached plat.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink that reads "Roxann Eveland".

Roxann Eveland  
Landman

# T3S, R2W, U.S.B.&M.

## NEWFIELD EXPLORATION COMPANY

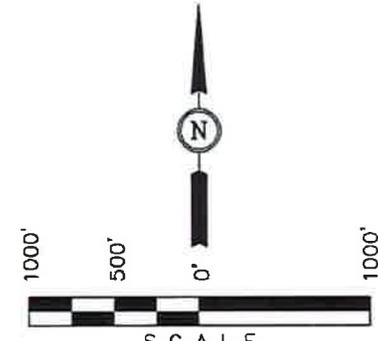
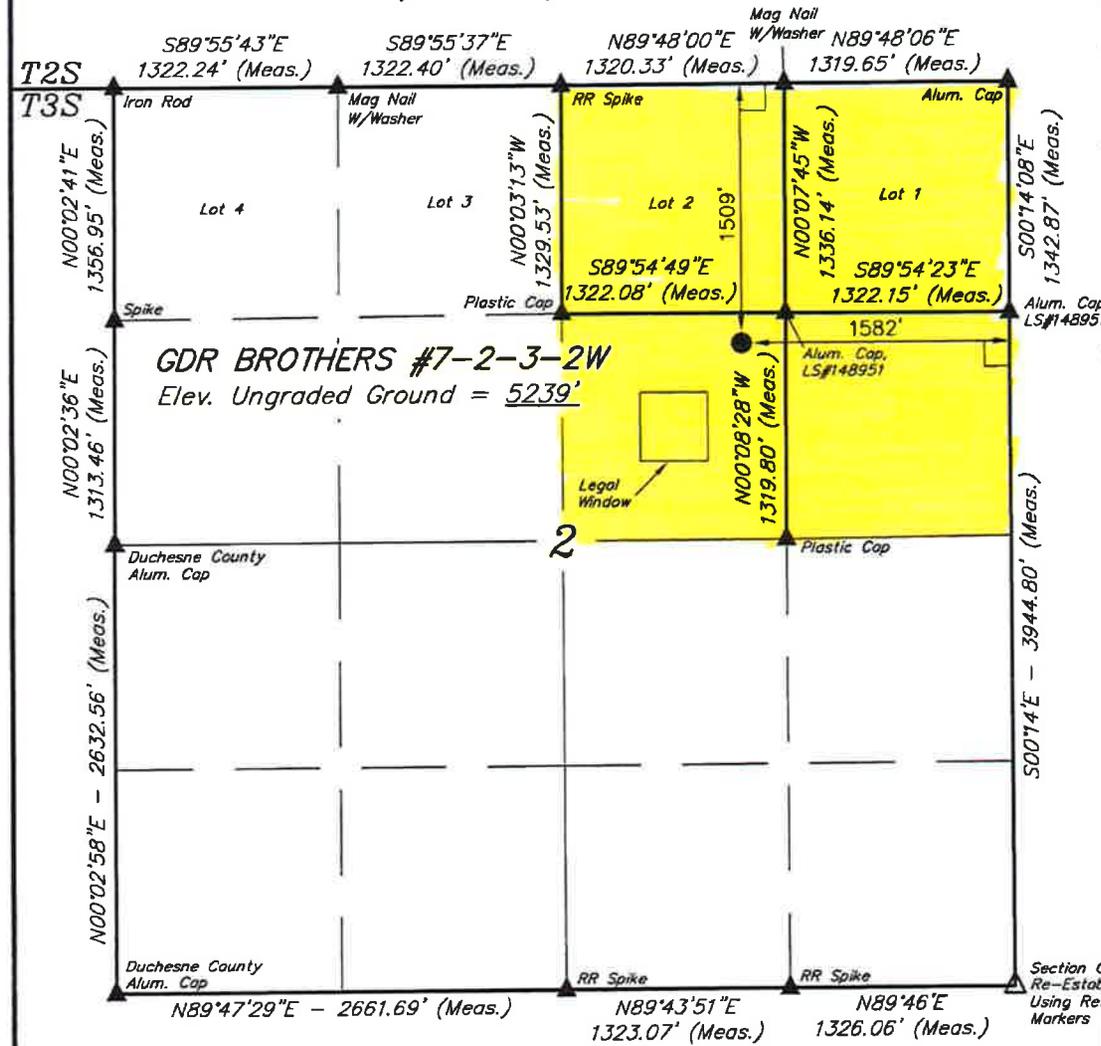
Well location, GDR BROTHERS #7-2-3-2W, located as shown in the SW 1/4 NE 1/4 of Section 2, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

### BASIS OF BEARINGS

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



### CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

### UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

### LEGEND:

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

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°15'15.87" (40.254408)
LONGITUDE	= 110°04'22.91" (110.073031)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 40°15'16.02" (40.254450)
LONGITUDE	= 110°04'20.37" (110.072325)

SCALE 1" = 1000'	DATE SURVEYED: 08-09-11	DATE DRAWN: 08-30-11
PARTY M.A. S.W. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	

Sundry Number : 27759 API Well Number : 43013509540000  
Sundry Number : 27759 API Well Number : 43013509540000



July 16, 2012

State of Utah  
Division of Oil, Gas & Mining  
ATTN: Brad Hill  
P O Box 145801  
Salt Lake City, UT 84114

RE: Recompletion Operations  
GDR Brothers 7-2-3-2W  
Section 2, T3S, R2W  
Duchesne County, Utah

Dear Brad,

As evidenced by its application, Newfield Production Company proposes to recomplate the GDR Brothers 7-2-3-2W into the Green River and Upper Green River formations. At this time, Newfield does not plan to commingle production from the Green River and Upper Green River formations. In the event Newfield desires to commingle the production, it shall not do so until consent of all appropriate parties is obtained and DOGM has been notified of Newfield's intent.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4496 or by email at [laurasmith@newfield.com](mailto:laurasmith@newfield.com) . Thank you.

Sincerely,

A handwritten signature in black ink that reads "Laura B. Smith". The signature is written in a cursive, flowing style.

Laura B. Smith  
Land Lead

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
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> GDR BROTHERS 7-2-3-2W	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013509540000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1509 FNL 1582 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 02 Township: 03.0S Range: 02.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
	<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: 9/1/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above well was placed on production on 09/01/2012 at 16:30 hours. Production Start sundry re-sent 11/29/2012.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 03, 2012</b>
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/29/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> GDR BROTHERS 7-2-3-2W
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1509 FNL 1582 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 02 Township: 03.0S Range: 02.0W Meridian: U		<b>9. API NUMBER:</b> 43013509540000
<b>PHONE NUMBER:</b> 303 382-4443 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/7/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Site Facility/Site Security"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <b>SEE ATTACHED REVISED SITE FACILITY DIAGRAM</b>		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          January 28, 2013</b>		
<b>NAME (PLEASE PRINT)</b> Jill L Loyle	<b>PHONE NUMBER</b> 303 383-4135	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/25/2013	

**NEWFIELD PRODUCTION COMPANY**

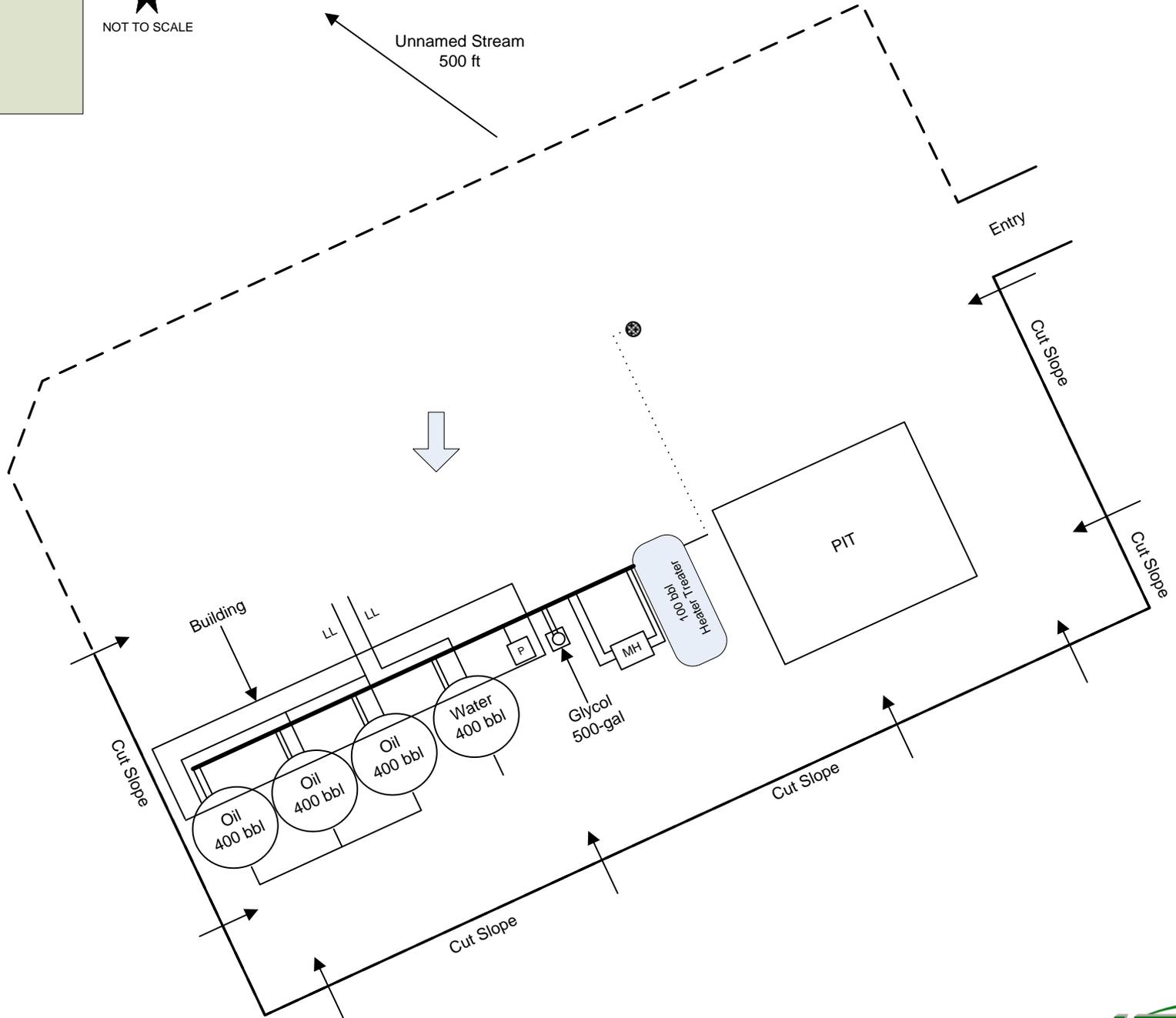
GDR BROTHERS 7-2-3-2W  
 SEC. 2 T3S R2W  
 DUCHESNE COUNTY, UTAH



Unnamed Stream  
 500 ft

**LEGEND**

- FENCE
- - - BERM
- ABOVEGROUND PIPING
- ..... UNDERGROUND PIPING (LOCATION APPROXIMATE)
- [MH] METER HOUSE
- ← DIRECTION OF FLOW
- bbbl BARREL(S)
- LL LOAD LINE
- ⊗ WELL HEAD
- [P] PUMP
- PIPING CONDUIT



ALL UNDERGROUND PIPING IS FOR  
 PROCESS FLOW DEMONSTRATION ONLY



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**  
FORM APPROVED  
G.M. NO. 104-137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

2. Name of Operator  
**NEWFIELD EXPLORATION COMPANY**

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1509' FNL & 1582' FEL (SW/NE) SEC. 2, T3S, R2W

At top prod. interval reported below

At total depth

14. Date Spudded  
01/11/2012

15. Date T.D. Reached  
02/02/2012

16. Date Completed 09/01/2012  
 D & A  Ready to Prod.

9. AFI Well No.  
43-013-50954

10. Field and Pool or Exploratory  
WILDCAT

11. Sec., T., R., M., on Block and  
Survey or Area SEC. 2, T3S, R2W

12. County or Parish  
DUCHESNE

13. State  
UT

17. Elevations (DF, RKB, RT, GL)\*  
5239' GL 5252' KB

18. Total Depth: MD 10545'  
TVD

19. Plug Back T.D.: MD 7400' (Updated)  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36#	0	1028'		435 CLASS G			
8-3/4"	7" P-110	26#	0	8695'		658 PRIMLITE			
						280 50/50 POZ			
6-1/8"	4-1/2" P-110	4#	8277'	10508'		230 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 7238'	TA @ 7180'						

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Green River	7009' MD	8797' MD	7009-8797' MD	.34"	129	
B) Uteland Butte	9245' MD	9294' MD	9245-9294' MD	.34"	18	
C) Wasatch	9315' MD	10417' MD	9315-10417' MD	.34"	129	
D)						

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

Depth Interval	Amount and Type of Material
7009-10417'	Frac w/ 911660#s 20/40 white sand, 110680#s SLC and 41360#s 100 mesh; 23731 bbls of Lightning 17 fluid; 8 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/9/2012	9/11/12	24	→	27	30	208			2-1/2" x 1-1/2" x 24' RHBC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

**RECEIVED**

**FEB 15 2013**

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

28b. Production - Interval C

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

28c. Production - Interval D

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

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				MAHOGANY BENCH GARDEN GULCH	6120' 6985'
				DOUGLAS CREEK LBLKSH	8140' 8750'
				CASTLE PEAK B LIMESTONE	8865' 9160'
				WASATCH	9290'

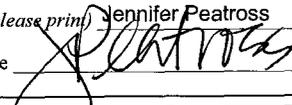
32. Additional remarks (include plugging procedure):

The above well began producing during formation testing, on 8/9/2012. Sporadic production took place during the completion process, until the well was placed on pump on 9/1/2012. Test data was taken ten (10) days following, on 9/11/2012.

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

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

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

Name (please print) Jennifer Peatross Title Production Technician  
 Signature  Date 09/19/2012

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

## Daily Activity Report

Format For Sundry

**GDR BROS 7-2-3-2W**

**2/1/2012 To 6/30/2012**

**2/10/2012 Day: 1**

**Completion**

Rigless on 2/10/2012 - RU Weatherford 10K frac stack & pressure test. Ran gauge ring & CBL. - MIRUSU. Change out ram blocks in BOPs to include 2- sets 2 3/8" pipe rams. NU BOPs. Pressure test BOP stack. RU rig floor & tbg equipment. Talley & PU 3 7/8" rock bit, bit sub & 140- jts 2 3/8" P-110 8rd EUE tbg. SWIFN. - MIRUSU. Change out ram blocks in BOPs to include 2- sets 2 3/8" pipe rams. NU BOPs. Pressure test BOP stack. RU rig floor & tbg equipment. Talley & PU 3 7/8" rock bit, bit sub & 140- jts 2 3/8" P-110 8rd EUE tbg. SWIFN. - Held safety meeting with everyone on location. NU Weatherford 10K frac stack & pressure test same. MIRU Pioneer WLT. Made gauge ring run & ran CBL. Tagged @ 10,364' w/ WL. Pressure test csg & wellhead to 8000 psi for 30 min. Found that we had pay zone covered by fill. RD top frac valve, flowcross & HCR valve. - Held safety meeting with everyone on location. NU Weatherford 10K frac stack & pressure test same. MIRU Pioneer WLT. Made gauge ring run & ran CBL. Tagged @ 10,364' w/ WL. Pressure test csg & wellhead to 8000 psi for 30 min. Found that we had pay zone covered by fill. RD top frac valve, flowcross & HCR valve.

**Daily Cost:** \$0

**Cumulative Cost:** \$22,225

**2/11/2012 Day: 3**

**Completion**

WWS #3 on 2/11/2012 - Continue PU tbg. Tag fill @ 10,391' RU drill equipment clean out 69' of cement to PBTD @ 10,460'. LD 160- jts tbg. - Continue LD 2 3/8" tbg, bit sub & bit. Total of 333- jts. ND BOPs & X-over spool. RDMOSU. - Continue LD 2 3/8" tbg, bit sub & bit. Total of 333- jts. ND BOPs & X-over spool. RDMOSU. - RD air heater. Continue PU tbg & tag fill @ 10,391'. RU Nabors PS. Clean out 69' of cement to PBTD @ 10,460'. Circulate well clean. RD PS & pump lines. LD 160- jts tbg, EOT @ 5440'. SWIFN. - RD air heater. Continue PU tbg & tag fill @ 10,391'. RU Nabors PS. Clean out 69' of cement to PBTD @ 10,460'. Circulate well clean. RD PS & pump lines. LD 160- jts tbg, EOT @ 5440'. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$41,196

**2/13/2012 Day: 5**

**Completion**

Rigless on 2/13/2012 - Torque wellhead & pressure test. Perforate & pump DFIT. - Held prejob safety mtg. Torque frac stack. Pressure test frac stack w/ low & high pressure test. RU WLT. Perforate DFIT perfs as detailed. RU Baker Hughes pressure trap. Pump DFIT as follows: Broke @ 6070 psi, Pump 8 bbls @ 5.5 BPM, ISDP 4315 psi, 5 min SIP 4845 psi, 10 min SIP 4530 psi, 15 min SIP 4366 psi. RU heater & tarp in wellhead. Wait on frac crew.

**Daily Cost:** \$0

**Cumulative Cost:** \$66,461

**2/20/2012 Day: 6**

**Completion**

Rigless on 2/20/2012 - Pull DFIT guage and perf the remainder of stg 1. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU Rock Springs, WY BH frac equipment @ 03:30. MIRU WFD test unit. Test J&A FB equipment. BH frac equipment finished RU @ 11:30. Pressure test BH iron to 9000#. Shut

down and BO lines- Hyd circ pump on the CMG shelled out. Cannot gell up @ 60 Bbls/min. RD BH equipment and bring in another CMG out of Vernal, UT. RU pumping equipment again and pressure test BH lines. 14:00 PM- Frac Stg 1- WSTCH 30 as shown in stimulation report. 2262 BWTR. RU PSI wireline. Set CFTP @ 10124' & perf WSTCH 28/25 sds as shown in perforation report. SWIFN - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU Rock Springs, WY BH frac equipment @ 03:30. MIRU WFD test unit. Test J&A FB equipment. BH frac equipment finished RU @ 11:30. Pressure test BH iron to 9000#. Shut down and BO lines- Hyd circ pump on the CMG shelled out. Cannot gell up @ 60 Bbls/min. RD BH equipment and bring in another CMG out of Vernal, UT. RU pumping equipment again and pressure test BH lines. 14:00 PM- Frac Stg 1- WSTCH 30 as shown in stimulation report. 2262 BWTR. RU PSI wireline. Set CFTP @ 10124' & perf WSTCH 28/25 sds as shown in perforation report. SWIFN - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU PSI WL. Remove DFIT test guage and test lubricator w/WFD test unit. RIH to perf the remainder of stg 1. POOH and SWIFN. Prep location for fracing operations. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU PSI WL. Remove DFIT test guage and test lubricator w/WFD test unit. RIH to perf the remainder of stg 1. POOH and SWIFN. Prep location for fracing operations.

**Daily Cost:** \$0

**Cumulative Cost:** \$72,761

**2/22/2012 Day: 8**

**Completion**

Rigless on 2/22/2012 - Frac stgs 2-3. Tagged high sand on stg 4. FB 650 BW from stg 4 and SWIFN. - RU PSI wireline and test lubricator. Set CFTP @ 9920' & perf WSTCH 20/23 sds as shown in perforation report. RU BJ Services. Test lines and try to breakdown WSTCH 20/23 snds with and without surging back-no luck. RU PSI wireline and test Lubricator. RIH to dumpball 10 gallons of 28% HCL on WSTCH 20/23 perfs. Tagged @ 9865'- perfs covered. POOH and flowback 550 BW. Test pump lines and frac Stg 3- WSTCH 20/23 sds as shown in stimulation report. 7059 BWTR. RU PSI wireline and test lubricator. RIH to plug and perfs stage 4. Tagged sand high @ 9631'. POOH and lay down plug and guns. FB 650 BW. Tarp in well and SWIFN. 6409 BWTR. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Pressure test lines and frac Stg 2- WSTCH 28/25 sds as shown in stimulation report. 5198 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$75,361

**2/23/2012 Day: 9**

**Completion**

Rigless on 2/23/2012 - Frac stg 4-5. Shutdown due to high winds. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Pressure test lines and frac Stg 4- WSTCH 18/15/10 sds as shown in stimulation report. 10383 BWTR. - RU PSI wireline and test lubricator. Set CFTP @ 9664' & perf WSTCH 10 sds as shown in perforation report. RU BJ Services. Test lines and frac Stg 5- WSTCH 10 sds as shown in stimulation report. 14039 BWTR. - Tried to RU PSI WL to RIH to plg and perf stg 6. Very high winds recorded 48 mph constant w/ 74 mph gusts. Shutdown due to wind. Tied off lubricator and pickled up pump lines with brine. Waiting for the wind to calm down. Tried to pick up guns again @ 17:00. Still no luck. Shut down due to high winds. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$76,661

**2/24/2012 Day: 10**

**Completion**

Rigless on 2/24/2012 - Frac stgs 6-7. SWIFN. RD BJ hard iron. - RU PSI wireline and test lubricator. Set CFTP @ 8850' & perf BLKSHL as shown in perforation report. RU BJ Services. Test lines and frac Stg 7- BLKSHL treating @ 7600-7960#. Could only get 3260# of 100M and a .5 to 2# ramped concentration of Super LC totaling 15100# into formation. SWIFN and RD BJ hard iron. 20608 BWTR. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RU PSI wireline and test lubricator. Set CFTP @ 9441' & perf WSTCH/UB sds as shown in perforation report. RU BJ Services. Test lines and frac Stg 6- WSTCH/UB sds as shown in stimulation report screening out 4000# into the first 1# slug. FB 500 BW. Tried to get back into formation with 2000# of .5# but once hitting the 500 Bbl mark, we screened out again. Called flush. 17832 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$77,961

**2/25/2012 Day: 11**

**Completion**

Rigless on 2/25/2012 - RD frac equipment, RIH to set KP @ 8550'. Pulled out of rope socket 10' from surface. Test KP and RD frac tree. RU double cameron BOPS and test. RU flowback for DO and test. RU WL to tag fish and try fishing setting tool until midnight.-no luck. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RU WL and test lubricator. RIH and set KP @ 8550'. BO well and POOH. RD frac equip. While pulling down on WL to bump up to the grease head with the setting tool, WL pulled out of the rope socket and sent the setting tool downhole. Consulted engineering- will fish with snubbing unit. Move frac equipment off of location. MI wtr haulers and sand haulers to transfer wtr bottoms and transfer extra sand out of Sandmasters. MIRUHO to fill hole. Test KP to 8K# with WFD test unit. RU flowback equipment for DO. ND Frac tree leaving the crowne valve installed onto well head. RU double set of Cameron type "U" BOPS- blinds on bottom and 2-3/8" pipes on top. RU WFD test unit and test BOPS. Fill flowback equipment with HO and test with WFD test unit. - MIRUWLT. RU 60' of 10K lubricator and test with WFD test truck. RIH with weight bars to tag fish @ 8519'-fish is on top of the KP. POOH. Test lubricator and RIH with jar and WL on/off tool. Tagged plug and latched to pull up to 2800# LT. Came back down to set jars. Pulled up to 3200# and jars went off. Lost fish. Went back down, latched fish, set jars and pulled to 3200# again. Jars went off and lost fish. Went back down, latched fish and slowly pulled up to 4000#. Let sit for 60 min keeping 4000# on LT. Gained 6' from original tag. Consulted Engineering and pulled 4400# LT(75%)- no gain. Sat down to 2200# LT and pulled to 4400# LT- gained .5'. Sat down to 2200# LT and pulled to 4400# LT-no gain. Sat down to 2000# LT and pulled to to 4400# LT- no gain. Consulted Engineering. Tried fishing until 23:00- no gain. Set jars and pulled off of fish. POOH and RD lubricator. SWIFN @ 01:00 on 2-25-2012. 0# SICP.

**Daily Cost:** \$0

**Cumulative Cost:** \$768,013

**3/2/2012 Day: 12**

**Completion**

Rigless on 3/2/2012 - MI and spot equipment. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 600 psi. Fill BOP stack w/ brine utilizing the CUDD pump truck. MIRU WFD test pump and test per recommended procedures. Had to rebuild a rotac plug valve and retest the valve. Tally tbg and PU and makeup BHA and as follows: Overshot w/cut lip shoe @ 2.44', X-over @ 1.2', bumper sub @ 5.87', jars @ 5.98', X-over @ 1.15', and pup joint @ 2.06'. Total fishing BHA @ 18.70'. Stage equalize and BO 600 SICP to the flat tank- all fluid. Well bled off quickly. RIH until 18:00. SWIFN and Pump brine throughout stack and flowback iron. EOT @ 4085'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 600 psi. Fill BOP stack w/ brine utilizing the CUDD pump truck. MIRU WFD test pump and test per recommended procedures. Had to rebuild a rotac plug

valve and retest the valve. Tally tbg and PU and makeup BHA and as follows: Overshot w/cut lip shoe @ 2.44', X-over @ 1.2', bumper sub @ 5.87', jars @ 5.98', X-over @ 1.15', and pup joint @ 2.06'. Total fishing BHA @ 18.70'. Stage equalize and BO 600 SICP to the flat tank- all fluid. Well bled off quickly. RIH until 18:00. SWIFN and Pump brine throughout stack and flowback iron. EOT @ 4085'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 600 psi. Fill BOP stack w/ brine utilizing the CUDD pump truck. MIRU WFD test pump and test per recommended procedures. Had to rebuild a rotac plug valve and retest the valve. Tally tbg and PU and makeup BHA and as follows: Overshot w/cut lip shoe @ 2.44', X-over @ 1.2', bumper sub @ 5.87', jars @ 5.98', X-over @ 1.15', and pup joint @ 2.06'. Total fishing BHA @ 18.70'. Stage equalize and BO 600 SICP to the flat tank- all fluid. Well bled off quickly. RIH until 18:00. SWIFN and Pump brine throughout stack and flowback iron. EOT @ 4085'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. PU and MU BOP snubbing stack from bottom to top as follows: 1'-7-1/16 10K to 4-1/16 15K adapter spool mounted on top of 7-1/16" double Camerons loaded blinds on bottom, pipes on top. 35' of 4-1/16 15K spacer spools, 14" 4-1/16 15K to 10K adapter spool, Oilstates 5 stage 4-1/16" 10K BOP stack. Spaced off guy lines every 13'. RU snubbing unit on top of BOPS stack. CL, wt bar, setting tool assy @ 31'. Fishing assy @ 16'. Max total length with fish ~ 45'. Extra lubricator @ 35' of 4-1/16" 15k ~54.5' from the top of the 7' Blinds above the master valve to the bottom of the 4-1/16 top strippers. RU tongs. RU flowback for DO/CO operations. MU and RU kill line to BOP stack. RU and MU BO line from BOP stack to pit. Function test BOP stack. RU CUDD pump. Transfer water from frac 500's. RD 240 ton crane and MO. RU 70 ton crane. SDFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Mark anchors and Move in snubbing unit and inspect unit 202. Move in and spot OilStates 5 stage 4-1/16" 10k BOP stack. MI and spot catwalk and pipe racks. Move in pipe and unload. Move in spacer spools and MU on the ground. MI and spot J&C 240 ton crane. SDFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. PU and MU BOP snubbing stack from bottom to top as follows: 1'-7-1/16 10K to 4-1/16 15K adapter spool mounted on top of 7-1/16" double Camerons loaded blinds on bottom, pipes on top. 35' of 4-1/16 15K spacer spools, 14" 4-1/16 15K to 10K adapter spool, Oilstates 5 stage 4-1/16" 10K BOP stack. Spaced off guy lines every 13'. RU snubbing unit on top of BOPS stack. CL, wt bar, setting tool assy @ 31'. Fishing assy @ 16'. Max total length with fish ~ 45'. Extra lubricator @ 35' of 4-1/16" 15k ~54.5' from the top of the 7' Blinds above the master valve to the bottom of the 4-1/16 top strippers. RU tongs. RU flowback for DO/CO operations. MU and RU kill line to BOP stack. RU and MU BO line from BOP stack to pit. Function test BOP stack. RU CUDD pump. Transfer water from frac 500's. RD 240 ton crane and MO. RU 70 ton crane. SDFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Mark anchors and Move in snubbing unit and inspect unit 202. Move in and spot OilStates 5 stage 4-1/16" 10k BOP stack. MI and spot catwalk and pipe racks. Move in pipe and unload. Move in spacer spools and MU on the ground. MI and spot J&C 240 ton crane. SDFN. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. PU and MU BOP snubbing stack from bottom to top as follows: 1'-7-1/16 10K to 4-1/16 15K adapter spool mounted on top of 7-1/16" double Camerons loaded blinds on bottom, pipes on top. 35' of 4-1/16 15K spacer spools, 14" 4-1/16 15K to 10K adapter spool, Oilstates 5 stage 4-1/16" 10K BOP stack. Spaced off guy lines every 13'. RU snubbing unit on top of BOPS stack. CL, wt bar, setting tool assy @ 31'. Fishing assy @ 16'. Max total length with fish ~ 45'. Extra lubricator @ 35' of 4-1/16" 15k ~54.5' from the top of the 7' Blinds above the master valve to the bottom of the 4-1/16 top strippers. RU tongs. RU flowback for DO/CO operations. MU and RU kill line to BOP stack. RU and MU BO line from BOP stack to pit. Function test BOP stack. RU CUDD pump. Transfer water from frac 500's. RD 240 ton crane and MO. RU 70 ton

crane. SDFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$771,813

**3/3/2012 Day: 15**

**Completion**

Rigless on 3/3/2012 - Finish RIH to TOF. Pressure test backside to make sure PTP held-no good. Consulted Engineering and decided to set another plug in X nipple before attempting to catch fish. - 06:30 on location 06:40 PJSM 06:55 prepare equipment and well for service. 07:00 SICP: 0 psi. 07:10 TIH with tbg hanging at 4,056'. 11:45 tbg at TOL (8,277') had to rotate pipe to slip through. TIH to 8,339' 12:00 lunch break 12:30 establish circulation and then pressure up Csg and tbg to 2,500 psi. Held good. Bled off 2 3/8" tbg and continued to flow with Csg steadily dropping. We tried pressuring up 4 times to surge tbg with no changes to the BPV leak. We also circulated a total of 35 bbls to attempt to wash any trash out of BPV with no success. After discussion with Gary and Marc Barella the decision was made to run a pump thru plug and set in the X nipple in order to retain double barrier in tbg. ETA for slickline unit would be late tonight so we will begin 1st thing in the a.m.

**Daily Cost:** \$0

**Cumulative Cost:** \$909,745

**3/5/2012 Day: 16**

**Completion**

Rigless on 3/5/2012 - Try to RIH and isolate tbg with profile plug-unsuccessful. POOH with tbg. - 06:30 RBS, Crane, Cudd, IPS and J&A on location. 06:45 Conduct PJSM 07:00 Prepare equipment for service. 07:10 Delsco SL on location, Conduct PJSM and spot equipment. 07:30 RU SL unit 08:20 SICP: 250 psi. Bled off to 0 PSI. 08:25 Open TIW and RIH with pump thru plug for x-nipple. 09:30 Tag @ 8,376' (SLM) and set plug. POOH 10:15 OOH and RD lube from SL BOP. Found pump thru plug in BOP's. 10:20 Redress plug and setting tool for 2nd attempt. PU tools and RU on BOP. 11:00 Open TIW valve with 0 psi and RIH. 11:55 Tag x-nipple at 8,376' (SLM). Could not shear off pump thru plug after numerous tries. Had to pull 650# and jar off plug. 12:17 POOH 12:45 OOH with SL and pump thru plug has appeared to have set in x-nipple. 12:50 Made attempt to pump down 2 3/8" tbg and pressured up to 2,000 psi. with 1.5 bbls. Fluid level was at 400' (1.5 bbls to load 400'). Cycled pipe several times and pressured up repeat. Put 2,500 psi on csg and tbg had flow as before. 14:30 Pull 3 jts of tbg while preparing to RIH and retrieve pump thru plug from x-nipple. 15:00 RU and RIH and pull plug. Tag plug, but not sure if we had latched onto it. We had made numerous attempts. 16:00 POOH with plug? 16:30 OOH without plug. Check equipment and clean, all looked in good operational condition. 17:00 PU tools and make 2nd and final RIH to retrieve pump thru plug. Tag and made several attempts to latch onto plug, but was unsuccessful. 17:30 Made decision to POOH. 18:00 OOH and prepared to pull tbg OOH in the a.m. Secured well and SDFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$942,474

**3/6/2012 Day: 17**

**Completion**

Rigless on 3/6/2012 - POOH, change out ball seat BPV with a double flapper BPV. RBIH. - 18:15 Secure well and SDFN. - 17:50 PU RBS BHA and RIH. - 17:30 Change out pump thru plugs with a double flapper BPV. Check complete BHA. - 17:15 after examining pump thru plugs we found both to have what looked like tbg scale and rust deposits, more so on top plug. What was of main concern was the fact that the 2nd joint from bottom was plugged with several feet of same deposits. - 06:00 Monday a.m. meeting. - 14:45 Resume TOOH with 2 3/8" tbg. - 14:00 SD two times due to hydraulic leaks. total down time was 45 min. - 07:30

On location and in process of pulling pipe OOH to change out BHA. - 17:00 OOH with tbg and lay down BHA.

**Daily Cost:** \$0

**Cumulative Cost:** \$987,270

**3/7/2012 Day: 19**

**Completion**

Rigless on 3/7/2012 - RIH to DO/CO to PBT. - Tag fish at 8,537'. PU weight 55K and jars fired. Set down again and PU, Jars fired again at 56K (18K over). Set down on fish 3rd time with same results. The 4th time we PU with 54K and weight fell off to 40K and jars did not fire. Set down on fish several more times with no over pull. - Tag fish at 8,537'. PU weight 55K and jars fired. Set down again and PU, Jars fired again at 56K (18K over). Set down on fish 3rd time with same results. The 4th time we PU with 54K and weight fell off to 40K and jars did not fire. Set down on fish several more times with no over pull. - Pressure up annulas to 2,500 psi. at 2.0 bpm and 2,830 psi to test BPV and equalize above KP. BPV held good. PU weight 37K - SICP: 150 psi. Open well and RIH with 2 3/8" tbg and RBS fishing BHA. Circulate tbg vol every 50 jts. - SICP: 150 psi. Open well and RIH with 2 3/8" tbg and RBS fishing BHA. Circulate tbg vol every 50 jts. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - On location, Prepare equipment for service. - On location, Prepare equipment for service. - SD and winterize. Tbg hanging at 4,000'. SDFN. - SD and winterize. Tbg hanging at 4,000'. SDFN. - open well and TIH - open well and TIH - PU weatherford drill out BHA and function test. - PU weatherford drill out BHA and function test. - OOH with complete WL fish. The setting sleeve did have a chunk missing (2.5"x1.25") Maybe hit TOL when fell down 7" csg into 4.5" liner. Made decision to continue with plan to RIH with drill out BHA and either mill up or push to bottom. - OOH with complete WL fish. The setting sleeve did have a chunk missing (2.5"x1.25") Maybe hit TOL when fell down 7" csg into 4.5" liner. Made decision to continue with plan to RIH with drill out BHA and either mill up or push to bottom. - SICP: 0 psi. Open well and TOH with 2 3/8" tbg and Fish. - SICP: 0 psi. Open well and TOH with 2 3/8" tbg and Fish. - On location, Conduct PJSM, Prepare equipment and well for service. - On location, Conduct PJSM, Prepare equipment and well for service. - SD and secure well. SDFN - SD and secure well. SDFN - Continue to TOH with 2 3/8" tbg and RBS W/fish. - Continue to TOH with 2 3/8" tbg and RBS W/fish. - PU and lay down 3 jts. Circulate down tbg 2 bpm at 3,032 psi. We have a 200 psi increase in circulation pressure - PU and lay down 3 jts. Circulate down tbg 2 bpm at 3,032 psi. We have a 200 psi increase in circulation pressure - Pressure up annulas to 2,500 psi. at 2.0 bpm and 2,830 psi to test BPV and equalize above KP. BPV held good. PU weight 37K

**Daily Cost:** \$0

**Cumulative Cost:** \$1,039,962

**3/8/2012 Day: 20**

**Completion**

Rigless on 3/8/2012 - DO/CO. - Well secured and SDFN. - TOH with 15 jts landing at 8,220'-50' above liner top. - Made another 2' in two hrs to 8,738'. Tried many different things to make more hole, but was unsuccessful. Motor consistently was stalling and was seeing good differential. Made decision to postpone further milling due to time. Made one last push and fell 4' to 8,740' PU and pulled 65K. We SD circulation and TIH pushing 10K to 8,740', PU with 10K over thru area. Pumping bottoms up. - Mill down to 8,736' (only 5') - On location, Conduct PJSM and prepare equipment for service - Plug #1 gone pushing to #2 plug. (20 min) - Tag 1st plug at 8,550' begin milling. - SICP: 0 psi. Open well and TIH from 4,000' - Tag up at 8,731', begin milling.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,075,655

**3/10/2012 Day: 21****Completion**

Rigless on 3/10/2012 - RIH to DO/CO. Not making much hole. POOH and check mill. - SDFN - SD and secure well. Winterize. Left 50 jts of 2 3/8" in well. (1,570') - Resume Tripping pipe OOH. - On location, Prepare equipment for service and Conduct PJSM. - Made decision to TOOH and make bit check. - Open well, SICP: 3,100 psi. TIH with tbg and weatherford drill out BHA to 8,731' and stack out. (same depth as previous TIH)Continue to mill, Made 10' in 2 hrs. Did not see anything in returns (clean). Continue to work pipe and next hr did not make any hole.8,741' was final depth. We were still seeing differential and stalls on motor. Extremely touchy. - IPS had a pin hole leak in Hydraulic hose, therefore had to SD and replace. Took 1 hr of down time.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,091,638

**3/11/2012 Day: 22****Completion**

Rigless on 3/11/2012 - Run Gauge ring. - Made decision not to run another gauge ring, but instead wait for compression block or magnet. SWIFN. - Bump up and RD off well - Stack out at 8,727' WLM. PU and pull 350# over string weight to pull out. Continue to POOH and at 8,420' started getting sticky pulling 300# heavy up to 8,277' (TOL). - SICP: 3,000 psi. Open well and RIH with 3.75" gauge ring. - Test WL lube - On location, prepare equipment for service and conduct PJSM. - Snubbing jack has RD.Standby for WLU - Decision made to RD Snubbing jack and make WL gauge ring runs, Magnet run? Compression block run? - OOH with BHA. Mill has the bull nose look. Rounded off on edge and a worn ring on outside edge. 3.204" OD. - open well with 3,000 psi. TOH with 2 3/8" tbg and wetherford BHA. - WL MI, Conduct PJSM and RU

**Daily Cost:** \$0

**Cumulative Cost:** \$1,129,840

**3/13/2012 Day: 24****Completion**

Rigless on 3/13/2012 - RD WLT and RU snubbing unit to RIH to DO/CO. - On location, prepare equipment for service and conduct PJSM - NFX safety meeting. - NFX safety meeting. - Well has been SI and secured. - Well has been SI and secured. - Bump up and RD off well. Decision was made to SDFN. - Bump up and RD off well. Decision was made to SDFN. - SD and hang tbg at 3,150'. secure well and SDFN. - SD and hang tbg at 3,150'. secure well and SDFN. - SICP: 3,120 psi. Open well and RIH. - SICP: 3,120 psi. Open well and RIH. - test BPV and would not hold. Lay down tbg and replace plug and XN nipple. - test BPV and would not hold. Lay down tbg and replace plug and XN nipple. - repair annular bop on snubber - repair annular bop on snubber - PU 1st jt with XN nipple and plug in place. 2nd jt has X nipple. - PU 1st jt with XN nipple and plug in place. 2nd jt has X nipple. - RU complete, lunch break - RU complete, lunch break - RU snubbing unit jack - RU snubbing unit jack - RD WLU - RD WLU - Standby for instruction - Standby for instruction - On location, prepare equipment for service and conduct PJSM - POOH - POOH - Tag up at 8,727' PU with 150# over pull. Set down once more and PU with 150# over pull. - Tag up at 8,727' PU with 150# over pull. Set down once more and PU with 150# over pull. - PU WL 3.25" GR and RIH. - PU WL 3.25" GR and RIH. - Bump up and RD off well. - Bump up and RD off well. - Pulled free and proceed with POOH. - Pulled free and proceed with POOH. - Stack out at 8,727' and fell through to 8,737'. PU and cannot pull up hole. Stuck in hole.Continue to work WL untill we became unstuck at 14:15 - Stack out at 8,727' and fell through to 8,737'. PU and cannot pull up hole. Stuck in hole.Continue to work WL untill we became unstuck at 14:15 - SICP: 3,100 psi. Open well and RIH. - SICP: 3,100 psi. Open well and RIH. - PU WL 3.625" Compression block, RU on well

and Test lube. - PU WL 3.625" Compression block, RU on well and Test lube. - On location, Prepare equipment for service and Conduct PJSM. - On location, Prepare equipment for service and Conduct PJSM.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,159,226

**3/14/2012 Day: 25**

**Completion**

Rigless on 3/14/2012 - RIH w/tbg, retrieve BPV, Circ hole clean, RU WL and RIH w/camera. - Open well and RIH - on location, prepare equipment for service and conduct PJSM. - Displace with 35 bbls fresh water - Pump 50 gal diesel to clean tbg. - Circulate 310 bbls fresh water. - OOH RD off well with BPV. - POOH - tag plug (BPV) release and retrieve. - PU tool and lube, test and RIH. - PU tool and lube. Had issues with hydraulic issue with tool trap. Repair - PU WL plug retrieving tool, damaged wire rope and lay down to repair (rehead). - RU WLU - Washed down and tag obstruction at 8,735'. Circulate bottoms up with 310 bbls. - tag up at 8,600'. 126' above target depth. Begin circulating and washing down thru sand. - SICP: 2,350 psi. Open well and trip in hole. - PU down hole camera and lube. Test lube

**Daily Cost:** \$0

**Cumulative Cost:** \$1,210,661

**3/15/2012 Day: 26**

**Completion**

Rigless on 3/15/2012 - Run camera down tbg, POOH, RBIH to set profile plug in X nipple, Begin POOH w/ tbg. SD and stab TIW because plug released. Line up WL to set another plug. SWIFN. - Secure well and SDFN. - made attempt to locate a slick line unit to retrieve plug OOT and replace. Had no success, but was able to schedule one first thing in the a.m. - Start pulling tbg OOH, pulled 4 jts and tbg plug released. We were able to stab TIW valve on tbg immediately. - OOH with WL and RDMO - POOH - set plug in XN nipple at 8,705' - continue to make video of damaged 4.5" liner. - RU WL run tbg plug - Standby for tbg plug ( BPV ) - RD video BHA - OOH and RD off well - Video completed, POOH - PU, test lube and RIH

**Daily Cost:** \$0

**Cumulative Cost:** \$1,285,852

**3/16/2012 Day: 27**

**Completion**

Rigless on 3/16/2012 - RIH to retrieve plg. RBIH to brush tbg and profile nipples, set new plg, POOH w/ tbg. - Open well and RIH - Tag up on plug and retrieve. - RU slick line unit. - RU slick line unit. - Pressure up csg and tbg to 3,500 psi to equalize in order to RIH to retrieve leaking tbg plug. - Pressure up csg and tbg to 3,500 psi to equalize in order to RIH to retrieve leaking tbg plug. - 4.5" csg has bridged off below EOT. - 4.5" csg has bridged off below EOT. - RU flow iron and blew tbg down. - RU flow iron and blew tbg down. - On location, prepare equipment for service and conduct PJSM. - On location, prepare equipment for service and conduct PJSM. - RDMO complete. Take equipment to next well site. - RDMO complete. Take equipment to next well site. - Begin RD snubbing unit - Begin RD snubbing unit - All tbg OOH, SI and secure well - All tbg OOH, SI and secure well - SICP: 3,050 psi. Tbg hanging at 4,000' begin tripping OOH. - SICP: 3,050 psi. Tbg hanging at 4,000' begin tripping OOH. - On location, prepare equipment for service. Conduct PJSM - On location, prepare equipment for service. Conduct PJSM - secure well and SDFN. - secure well and SDFN. - SD and hang tbg at 4,000' - SD and hang tbg at 4,000' - Trip tbg OOH - Trip tbg OOH - RD slickline unit. - RD slickline unit. - OOH and test plug, good test. - OOH and test plug, good test. - PU new tbg plug and RIH? Set in XN nipple and POOH. - PU new tbg plug and RIH? Set in XN nipple and POOH. - PU tbg brush and RIH to clean tbg. Had very hard time RIH (scale). X and XN nipple was plugged and had to beat thru with brush. After making numerous trips thru nipples we

were satisfied that they were clean. POOH. - PU tbg brush and RIH to clean tbg. Had very hard time RIH (scale). X and XN nipple was plugged and had to beat thru with brush. After making numerous trips thru nipples we were satisfied that they were clean. POOH. - OOH with plug and found tbg scale packed in spring and ball seat. Also had seals missing and scale under the rest. - OOH with plug and found tbg scale packed in spring and ball seat. Also had seals missing and scale under the rest. - Tag up on plug and retrieve. - Open well and RIH

**Daily Cost:** \$0

**Cumulative Cost:** \$1,322,190

**3/30/2012 Day: 29**

**Completion**

Rigless on 3/30/2012 - Attempted to run caliper log with no luck. Consulted engineering. - Bumped up into lubricator and closed well in. Bled off lubricator to the tanks and unstabbed lubricator. All tools are at surface. Secure well 100% and RDMOWLT. RDMO WFD torque and test. - POOH with the same string weight as before we started into the parted casing. - Slacked off and pulled again this time seeing the junk basket jar up and down. Worked at jaring loose 10 times- Going slow on the slack off. Pulled max pull again and surged the well with the manifold a few times. Note: pressure bled right down to 1900#. Gained a few feet. Tried to jar out of the tight spot a few more times then tried to surge while pulling. WB pressure bled down to 1400#. Stuck depth now at 8718'. Made sure to keep the tools moving while we could still see the junk basket opening and closing. Tools finally came free @ 13:00. Consulted Engineering. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Spot equipment and RU. Waiting on WFD torque unit from the Tomlin well. - Stab lubricator and test against the bottom crowne valve. Tried to test but WL BOPS were leaking. Shut down and bled of lubricator. Tightened the WL BOPS and retested 250# low for 5 minutes and 5000# high for 10 minutes. Bleed off to 3100# and open up well. RIH. The first 500' was sticky. - NU 7-1/16" 5K to 10 K adapter spool. NU WL adapter spool and torque to spec. RU Lubricator and pick up tools as follows: #10 2.75"X6' junk basket w/no guage ring, 1-11/16" CCL @ 1.4', 3-7.53X2" weight bars @ 120#/bar. - Started into the parted csg @ 20'/min. and stacked out at 8726'. Started to pull up and pulled 500# over. Calculated 80% max pull @ 2250#.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,500,955

**4/10/2012 Day: 30**

**Completion**

Rigless on 4/10/2012 - Prep location for workover/snubbing operations. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Move in and unload 2-3/8" PH-6 tbg and handling tools transported from Rock Springs, WY. RU FB lines to go to the re-circ pits. - Meet with Mtn. States snubbing and rig supervisors on location on rig up options. Marked out deadmen for work over rig. Unload BOP, flowcross with dual gate valves and 5K/10K adapter spool. SDFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,518,378

**4/11/2012 Day: 32**

**Completion**

Rigless on 4/11/2012 - RU WOR and SU. Torque all connections and test BOPS. - Pick up one jt and stab/shut TIW valve. Filled stack with test unit and tested Annular to 2500# - no test. Tested #1's and BO for 250# low for 5 min. and 5000# high for 10 min. - good test. BO. Tested #2's and equalize for 250 low for 5 min. and 5000 high for 10 min.- good test. BO. Tested #3 and inside doul gate valves off of the flow cross for 250 low for 5 min. and 8000 high for 10 min. - Good Test. BO and test #3's and outside dual gate valves off the flow cross

250 low for 5 min. and 8000 high for 10 min. - Good test. BO. - Pick up one jt and stab/shut TIW valve. Filled stack with test unit and tested Annular to 2500# - no test. Tested #1's and BO for 250# low for 5 min. and 5000# high for 10 min. - good test. BO. Tested #2's and equalize for 250 low for 5 min. and 5000 high for 10 min.- good test. BO. Tested #3 and inside dougl gate valves off of the flow cross for 250 low for 5 min. and 8000 high for 10 min. - Good Test. BO and test #3's and outside dual gate valves off the flow cross 250 low for 5 min. and 8000 high for 10 min. - Good test. BO. - Changed out the Annular bag and retested to 2500# for 10 min. -Good test. SDFN. - Changed out the Annular bag and retested to 2500# for 10 min. -Good test. SDFN. - rig on location. Waiting for the other equipment to show up. - Heated and transferred oil/sand/wtr from FB tanks to disposal. Waiting on WOR and SU. - Heated and transferred oil/sand/wtr from FB tanks to disposal. Waiting on WOR and SU. - rig on location. Waiting for the other equipment to show up. - Space Saver on location. Waiting on transport with base beam. - Space Saver on location. Waiting on transport with base beam. - The rest of equipment on location. Gathered everyone up for a safety meeting. - The rest of equipment on location. Gathered everyone up for a safety meeting. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - Spot base beam and equipment. Start rigging up the the WOR. Spot catwalk and pipe racks. Spot Space Saver. - Spot base beam and equipment. Start rigging up the the WOR. Spot catwalk and pipe racks. Spot Space Saver. - Rig up space saver. Torque up connections and functions test BOPS. Rig up bleed off line. Spot pump and rig up pump lines. - Rig up space saver. Torque up connections and functions test BOPS. Rig up bleed off line. Spot pump and rig up pump lines. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU WFD test and torque unit. Pick up with the forklift and stab, 7-1/16" X 2-1/16" 10K flow cross w/ dual 2-1/16" 10K gate valves on top of the double BOP already RU on WH. Next pick up and stab 7-1/16" 10K Cameron type "U" single BOP dressed with 2-3/8" pipe rams. Torque all studs. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. MIRU WFD test and torque unit. Pick up with the forklift and stab, 7-1/16" X 2-1/16" 10K flow cross w/ dual 2-1/16" 10K gate valves on top of the double BOP already RU on WH. Next pick up and stab 7-1/16" 10K Cameron type "U" single BOP dressed with 2-3/8" pipe rams. Torque all studs. - MI and spot two FB tanks and MIRUHO to heat oil in FB tanks. - MI and spot two FB tanks and MIRUHO to heat oil in FB tanks. - RU to test flow cross and dual gates. Relocate accumulators to make room for the WOR to RU. Move heater and heat hose. MIRU to pull test all rig anchors. Finish hauling in calcium chloride to 500 bbls tanks. - RU to test flow cross and dual gates. Relocate accumulators to make room for the WOR to RU. Move heater and heat hose. MIRU to pull test all rig anchors. Finish hauling in calcium chloride to 500 bbls tanks. - Break for lunch. - Break for lunch.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,557,576

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**4/13/2012 Day: 33**

**Completion**

Rigless on 4/13/2012 - RIH with kill string. - Rig crew on location starting equipment and checking WH. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - Breakdown plug and check seals on the double flapper mech. - Install new o-rings on double flapper seals and put plug back together. Install plug back into XN nipple and test.-no good. Pull the plug back out of the XN nipple and change packing and dual flapper to ball check. Install back into XN nipple. - Test profile plug. -Good test. - Equalize and snub into hole @ 3000# on WB. - SD with 32 jts in the hole to pump 10 bbls to clear plg making sure we are not plugged off with debris. - Start RIH again. - With 68 jts in the hole, SD and pump again to clear the profile plug. Tally next row. - Cont to RIH. SD and Circ to clear profile plug. SWIFN. EOT @ 6923'. - RU to test dual flapper profile plug before RIH. Tested- no good. Pull plug.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,582,583

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**4/14/2012 Day: 34**

**Completion**

Rigless on 4/14/2012 - Attempt to retrieve profile plug out of tbg. - POOH and RDMOWLTL. Slickline truck ordered for RU in the morning. - RBIH and latch onto plug. Tried to jar up a few times- no luck. Added 500 psi to the backside and jarred up-no luck added another 250 lbs to the backside and tried to jar up- no luck. - POOH and repair pulling tool. Circulate to keep fluid at surface. - RBIH and latch onto profile plug. SICP @ 0, SITP @ 0. Jarred up multiple times with no luck. WL set down too hard again and sheared tool. - POOH and repair pulling tool. - Rig crew on location starting equipment and checking WH. - MIRUWLT to RIH and pull XN profile plug. - Open up well and RIH to 8631.74'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. - POOH standing back 7 stands to get out of the liner. SWIFN. EOT at 8197.71'. - SICP @ 0, SITP @ 0. Latched onto the profile plug. Jarred up a few times and WL set down too fast and sheared the pulling tool.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,604,375

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**4/15/2012 Day: 35**

**Completion**

Rigless on 4/15/2012 - Pull profile plug and start circ w/11.6#. WB not dying. Will monitor pressures. - 428 Bbls circulated- Down tbg up csg wide open. Stopped circulating and check for flow. WB still on flow steadily increasing. SWIFN. SDFN. - Consulted engineering. RU and keep circulating down tbg up csg. Slickline truck scheduled for Monday morning because of availability. - Csg flow not slowing down. SWI and test for 30 minutes. 1300 on tbg, 1200 on csg. Check BO. Well will BO quickly and keep flowing. Saw hydrocarbons and tested fluid from tbg @ 9.7#. - 456 Bbls of 11.6# CaCl<sub>2</sub> circulated. SD to check for flow. 1 BPM coming out of the csg-gas cut. Let flow to try to BO head. - Circ CaCl<sub>2</sub> down csg up tbg. About 3 BPM circ out csg-gas cut. Choked in csg to add 800# to try and circ out gas cut. After 30 bbls, started FB 4 BPM. - OOH w/ slickline. Profile plug retrieved. RDMO slickline truck. RU pump lines. - RIH w/ slickline. - MIRU Slickline truck. - RBIH with 7 stands. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,624,305

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**4/16/2012 Day: 36**

**Completion**

Rigless on 4/16/2012 - Attempt to set profile plug with no luck. Pump to kill tbg and POOH. SWIFN w/EOT @ 4290'. - SD, Stab TIW valve, and install night cap. SWIFN. EOT @ 4290' - Done pumping 119 Bbls CaCl<sub>2</sub>. Check for flow. Tbg/csg dead. POOH standing back in the derrick. RU pump to tank with 11.3# CaCl<sub>2</sub> and ready to stab TIW. - OOH with plg. Retrieved plug. Packing on plg swollen not letting it set properly in X nipple. Sent with Delsco to rebuild and make correct setting tool for upcoming operations. RU to pump 119 Bbls of 11.6# CaCl<sub>2</sub> down tbg as csg is still dead. - POOH. - RU SLT and RIH to tag plug and possibly retrieve. - OOH w/o plg. RD SLT and BD tbg. Tbg not bleeding down. Tbg pressures went from 600 to 800 psi. - RBIH to set plg and POOH. - PU tools and test lubricator. RIH to set plug. POOH and plg still on tools. Checked setting tool and found that the plug shifting sleeve ID was too big for the rod on the setting tool. Changed setting tool. - Plug would not test. Had to rebuild plug. At teardown, found tbg scale inside equalizing ports. Ball check was pitted and corroded. Replaced stainless ball with a Titanium ball and replaced seals. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. RU slickline truck. SICP and SITP @ 1400 psi. BD to zero on csg and 400# on tbg.

**Daily Cost:** \$0**Cumulative Cost:** \$1,647,053**4/18/2012 Day: 37****Completion**

Rigless on 4/18/2012 - RIH w/ 3.25 swedge to above liner top. - RIH and SWIFN. SDFN. EOT @ 8244.97'. - SD for lunch. - RIH - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP and SITP @ 1400 psi. BD csg to FB tank. - Start pulling stands. - SD pump and check for flow. - RU to pump 164 Bbls down tbg up csg. - Pulled last stand out. Shut blinds and changed out 3-1/8" ram blocks in #2's. Have a safety meeting and test BOPS. RIH with BHA as follows: 3-1/4" swedge 3.05', 2-3/8" float sub 1.25', 2-7/8" PAC X 2-3/8" Reg X-over .56', 1- 3-1/8" DC 28.59', 2-3/8" Reg X 2-7/8" PAC X-over 1.27', 3-1/8" Dailey BS 8.98L, 3-1/8" Dailey Jar 8.83', 2-7/8" PAC X 2-3/8" Reg X-over 1.58L, 9- 3-1/8" DC 263.51', 2-3/8" REG X 2-7/8" PAC X-over 1.17', 3-1/8" Dailey Slinger 11.23', 2-3/8" PH-6 X 2-3/8" Reg X-over 1.22. 1 jt, XN nipple, 1 jt, X nipple. Total BHA @ 333.44'.

**Daily Cost:** \$0**Cumulative Cost:** \$1,674,823**4/19/2012 Day: 39****Completion**

Rigless on 4/19/2012 - Run 3-1/2" swedge. POOH and RBIH w/3.75" swedge. - POOH - POO liner and switched back to double back on the drill line. - POO liner and switched back to double back on the drill line. - Tagged @ 8735'. jString weight @ 40K. Lost 6000# going down. Stung into parted casing area 30', Pulled back out and pulled 8000# over then returned to string weight after 8733'. Worked the swedge up and down three times the same way. - Tagged @ 8735'. jString weight @ 40K. Lost 6000# going down. Stung into parted casing area 30', Pulled back out and pulled 8000# over then returned to string weight after 8733'. Worked the swedge up and down three times the same way. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SITP 0, SICP 1300. BO csg to the FB tanks. RIH w/tbg. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SITP 0, SICP 1300. BO csg to the FB tanks. RIH w/tbg. - Well shut in for the night. No activities. - Well shut in for the night. No activities. - Load tubing w/ 11.5# CCI H2O @ 8600'. Close & lock pipe rams. Install & close TIW valve. Secure well, equipment & location. SDFN. - Load tubing w/ 11.5# CCI H2O @ 8600'. Close & lock pipe rams. Install & close TIW valve. Secure well, equipment & location. SDFN. - Continue to RIH. - Continue to RIH. - Load tubing w/ 11.5# CCI H2O @ 4600'. - Load tubing w/ 11.5# CCI H2O @ 4600'. - RIH w/ 3.75" swedge & tool string. - RIH w/ 3.75" swedge & tool string. - OOH. Remove 3.5" swedge. MU 3.75" swedge. - OOH. Remove 3.5" swedge. MU 3.75" swedge. - Finish POOH. - Finish POOH. - Pumped up weight indicator pads. Over pressured and blewout seals on both pads. Order & new pads. Hotshot pads to location & replace pads. Three hours deducted from daily cost for breakdown. - Pumped up weight indicator pads. Over pressured and blewout seals on both pads. Order & new pads. Hotshot pads to location & replace pads. Three hours deducted from daily cost for breakdown. - POO liner and switched back to double back on the drill line. - POO liner and switched back to double back on the drill line. - Tagged @ 8735'. String weight @ 40K. Lost 6000# going down. Stung into parted casing area 30', Pulled back out and pulled 8000# over to 8736'. Pulled to 10K from 8736' to 8733', then returned to string weight after 8733'. Worked the swedge up and down three times the same way. - Tagged @ 8735'. String weight @ 40K. Lost 6000# going down. Stung into parted casing area 30', Pulled back out and pulled 8000# over to 8736'. Pulled to 10K from 8736' to 8733', then returned to string weight after 8733'. Worked the swedge up and down three times the same way. - Single up fastline. Install deadman line weight indicator. - Single up fastline. Install deadman line weight indicator. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency

plans, meeting point. SITP 0, SICP 1150. BO csg to the FB tanks. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SITP 0, SICP 1150. BO csg to the FB tanks. - - - SWIFN, SDFN, SICP @ 0, SITP @ 0. 12 stands in the derrick. EOT @ 8244'. - SWIFN, SDFN, SICP @ 0, SITP @ 0. 12 stands in the derrick. EOT @ 8244'. - Tools out of the hole. Swap 3-1/4" swedge out for 3.5" swedge and get tools back in the hole. - Tools out of the hole. Swap 3-1/4" swedge out for 3.5" swedge and get tools back in the hole. - POOH - POOH - Had to SD so that Mtn. States could adjust their brake bands. - Had to SD so that Mtn. States could adjust their brake bands. - POOH

**Daily Cost:** \$0

**Cumulative Cost:** \$1,725,090

**4/21/2012 Day: 41**

**Completion**

Rigless on 4/21/2012 - Swedge w/ 3 5/8" OD swedge. Took a kick and couldn't make hole. POOH. - Rigged up on double fast line. - Ran in the liner with 3 3/4" OD swedge, float sub, 3 1/8" OD DC, 3 1/8" OD LBS, 3 1/8" OD jars, 9-3 1/8" OD DC's and 3 1/8" OD slinger and tagged at 8734'. Worked swedge down to 8744', couldn't get down. Pulled above liner to 8214'. - Ran in the liner with 3 3/4" OD swedge, float sub, 3 1/8" OD DC, 3 1/8" OD LBS, 3 1/8" OD jars, 9-3 1/8" OD DC's and 3 1/8" OD slinger and tagged at 8734'. Worked swedge down to 8744', couldn't get down. Pulled above liner to 8214'. - Rigged up on single line. - Rigged up on single line. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1350. BO to tank. - - - TOO H w/ 3 5/8" OD swedge coming wet with CaCl<sub>2</sub>. SD and RU to pump down tbg. Tbg pressured up and plugged up on bottom. Float is plugged slightly open. SD and held safety meeting on pulling wet. Back to work pulling wet with tbg slightly flowing. OOH and unplugged collars. Found black shale. Consult engineering. SWIFWE. - Rigged up on double fast line. TOO H with 3 3/4" swedge. - Rigged up on double fast line. TOO H with 3 3/4" swedge. - TIH w/ 3 5/8" OD swedge, float sub, 3 1/8" OD DC, 3 1/8" OD LBS, 3 1/8" OD jars, 9-3 1/8" OD DC's, and 3 1/8" OD slinger on 255 jts of 2 3/8" OD PH-6 tbg. SWIFN. EOT @ 8244'. - TIH w/ 3 5/8" OD swedge, float sub, 3 1/8" OD DC, 3 1/8" OD LBS, 3 1/8" OD jars, 9-3 1/8" OD DC's, and 3 1/8" OD slinger on 255 jts of 2 3/8" OD PH-6 tbg. SWIFN. EOT @ 8244'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1350. BO to tank. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1350. BO to tank. - Rigged up on single line. - Rigged up on single line. - TIH with 3 5/8" OD swedge, float sub, 3 1/8" OD DC, 3 1/8" OD LBS, 3 1/8" OD jars, 9-3 1/8" OD DC's and 3 1/8" OD slinger and tagged at 8755'. Swedge csg out from 8755' to 8769'. Lost 15K on weight indicator. Pulled to 8730' ans well started flowing back aprox 5 bbls. Weight came back to 42K worked back to 8770' with swedge going down free. Pulled above liner top to 8214'. - TIH with 3 5/8" OD swedge, float sub, 3 1/8" OD DC, 3 1/8" OD LBS, 3 1/8" OD jars, 9-3 1/8" OD DC's and 3 1/8" OD slinger and tagged at 8755'. Swedge csg out from 8755' to 8769'. Lost 15K on weight indicator. Pulled to 8730' ans well started flowing back aprox 5 bbls. Weight came back to 42K worked back to 8770' with swedge going down free. Pulled above liner top to 8214'. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. SICP @ 1350. BO to tank. - Rigged up on double fast line. - TOO H w/ 3 5/8" OD swedge coming wet with CaCl<sub>2</sub>. SD and RU to pump down tbg. Tbg pressured up and plugged up on bottom. Float is plugged slightly open. SD and held safety meeting on pulling wet. Back to work pulling wet with tbg slightly flowing. OOH and unplugged collars. Found black shale. Consult engineering. SWIFWE.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,766,728

**4/23/2012 Day: 42**

**Completion**

Rigless on 4/23/2012 - CO to top perf using 10# brine water. Pull up to LT and circ CaCl<sub>2</sub> to kill well. - Reverse circulated 10# Brine water out of hole with 320 bbls 11.6# CaCl<sub>2</sub>. SD and checked for flow. No flow. SWIFN. SITP: 0, SICP: 0. - PU MU and RIH w/ mule shoe, 1 jt 2 3/8" tbg, EUE to PH-6 X-over, and 185 jts of 2 3/8" tbg. Tagged @ 8775'. - BO csg to tank. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Uncapped well, SICP @ 1450. - Held safety meeting about upcoming operations. TOO H with mule shoe to above LT to 8265' - Hooked up pump and reverse circulated CaCl<sub>2</sub> out of hole w/ 465 Bbls of 10# brine water while working mule shoe joint down to 8790'. Circulated clean. SD pump to check for flow- csg stayed dead, tubing on a slight flow.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,784,356

**4/24/2012 Day: 43**

**Completion**

Rigless on 4/24/2012 - Bled casing down to 0, set 2 plugs, neither plug held, reverse circulate hole w/72 bbls 11.5 CaCl<sub>2</sub>, POOH with BHA and tbging. Loaded casing with 20 bbls 11.6 CaCl<sub>2</sub> for overnight. SWIFN. - Safety meeting, pressure on well, 1250 psi on casing, 0 psi on tubing. Bled casing down to 0. took 30 minutes - PU 18 jts 2 3/8 PH-6 tubing to tag at 8790'. (no fill), POOH to TOL@ 8140', RU Slick line and RIH to set XN plug @ 8125'. POOH with slickline, RD slick line and POOH w/tbging. BHA is Muleshoe (9.17'), XN nipple (1.10),( 1.625 OD), 1 jt 2 3/8, X nipple (1.1) (1.625 OD) and 285 jts 2 3/8 PH-6 tubing. Pulled 2 stands, BOT @ 8020'. SD and pump tubing capacity of fresh water, 32 bbls, RU slickline, plug not holding, POOH to check plug, found spring broke in plug, RIH with flapper plug, (1.625 ID) Set 2nd plug @ 7998', POOH, RD Slickline, 2nd plug not holding, RU slickline and pulled 2nd plug out. RD slickline and reverse circulate, w 72 bbls CaCl<sub>2</sub> @ 7998', checked water weight with mud scales. Water @ 11.5# at surface. - POOH w/ tubing, and BHA( muleshoe jt, 1-x-over, XN nipple, 1 jt tubing and x-nipple and xover and 273 jts ph-6 2 2/8". Tubing). Pumped 20 bbls 11.5# CaCl<sub>2</sub> in casing. Casing full, SWIFN. To date have swedged 4.5" 11.6 ppf casing to 3.625" ID. The 4.5 casing ID is 4.00", Drift is 3.875".

**Daily Cost:** \$0

**Cumulative Cost:** \$1,832,136

**4/25/2012 Day: 44**

**Completion**

Rigless on 4/25/2012 - RBIH to 3 3/4" OD csg swedge. PBOOH and RBIH w/ 3 7/8" OD string mill. - PU and MU BHA as follows: 3 3/4" OD swedge, 3 1/8' OD float sub with R1 installed, 2- 3 1/8" OD DC, 3 1/8" OD LBS, 3 1/8" OD jars, 8-3 1/8" OD DC's and 3 1/8" OD slinger on 255 jts 2 3/8" PH-6 tbg. RIH to 8214' filling tbg every 3000' with fresh water. - Tied rig back on single line. TIH and tagged with swedge at 8749'. - Swedge on casing at 8749' beating down with bumper sub and jarring back out every 10 minutes setting jars off at 75K. Didn't make any hole. - Pulled to 8214' and tied rig back on double fast line. TOO H with 3 3/4" OD casing swedge. - SD and SWIFN. SICP @ 0. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Uncapped well, SICP @ 1000. BO to FB tank in 20 min.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,854,979

**4/26/2012 Day: 45**

**Completion**

Rigless on 4/26/2012 - RIH w/ 3 7/8" OD string mill to reem out casing. - Made up BHA and moved to the side of location for welder. Waiting on NFX welder. - Welded two 1" X 1/8" straps, one on each side to the following: the connection from the mule shoe to the EUE collar

and the EUE collar to the 2 3/8" EUE X 2 3/8" Reg X-over and from the X-over to the bottom of the 3 7/8" string mill. - PU MU BHA as follows: 2 3/8" OD Mule shoe, 2 3/8" Reg X 2 3/8" EUE X-over, 3 7/8" OD string mill, 2 7/8" PAC X 2 3/8" Reg X-over, 1-3 1/8" OD DC, 2 3/8" Reg X 2 7/8" PAC X-over, 3 1/8" OD Dailey Jar, 2 3/8" PH-6 X 2 3/8" Reg X-over, 9.78' 2 3/8" OD PH-6 pup joint. - RIH w/ 2 3/8" PH-6 tbg dispacing to the FB tank. - SD above liner top to rig up on single line. - Break for lunch. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Uncapped well, SICP @ 650. BO to FB tank in 13 min. - Fill tbg with fluid and SWIFN. SICP @ 0. - RU the weight indicator and RIH to 8723'. SD and RU power swivel.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,903,101

**4/27/2012 Day: 46**

**Completion**

Rigless on 4/27/2012 - Ream casing w/ 3.875" string mill from 8730' to 8767'. Circ well clean. - Finished rigging up pwr swvl and picked up a joint of tubing. - Milled down through bad casing from 8730' to 8767' with mule shoe joint, 3 7/8" OD string mill, 1-3 1/8" OD DC, and 3 1/8" OD jars turning 60 70 RPM's pumping 3 BPM of 11.6# CaCl2 down casing and out tubing. From 8746' to 8751' drilled extremely slow. All depths are to middle of string mill. - Circulated clean with mill at 8768' and end of mule shoe at 8779'. Pulled one jt and up to 8722'. Shut well in for the night. SICP @ 0. - Safety Meeting, discussed location hazards, recent NFX incidents, job procedure, emergency plans, meeting point. Uncapped well, SICP @ 650. BO to FB tank in 5 min.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,922,313

**4/28/2012 Day: 47**

**Completion**

Rigless on 4/28/2012 - Milled 14' to top of perf's ( 8790, EOT, 8778, mill). PU to 50' above top of liner and SDFWE. - PU 1 jt 2 3/8" tbging, RIH and tag @ 8766'. Start milling @ 8766' and broke thru @ 8767' EOT @ 8778'. Circulated down to 8790' (EOT), mill at 8779'. No problem reaching 8790'. PU 1', reverse circulate 60 bbls fresh water to clean well. Well clean and layed down 3 jts 2 3/8" tbging, POOH to 50' pass top of liner, Torqued up 200 psi as we passed the parted area, but slid on passed with no hang ups. Secured well, and SWIFWE. - safety meeting, service rig, open well at 7:15 am, 875 psi, bled down to zero, 15 minutes.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,937,648

**4/30/2012 Day: 48**

**Completion**

Rigless on 4/30/2012 - RIH to clear perms. Circ cln and POOH. LD tools. - RU pmp/kly hose to tbg and pmp 30 bbls cacl2. SD and chk for flw. No flw. - TIH to 8790' w/ mule shoe, 8778' w/ 3.875" OD strg mill. PU 6'. - RU pmp/kly hose to tbg and pmp 80 bbls cacl2 smplg/ 20 bbls for cln rets. SD pmp and chk for flw. No flw. - RO kly hose and Pooh to 8254'. - SMDDO, SICP @ 1100# BO to FB tk 10 min. SITP @ 100# BO to FB tk in .10 min. - Pooh - Tools to surface. OOH w/ mule shoe and strg mill. Mill guaged 3.875" OD on the bank. LD tools and release WFD tool hand. SWIFN. SICP @ 0. - Safety meeting. W/ Weatherford, Baker & MSPCS. Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & housekeeping. Day's operations -Casing pressure: 1800 psi. Bleed down well in 1 minute. Flowed water & paraffin while bleeding down. No additional flow. - PU Redressed 3 7/8 to 2 1/2 Tapered Mill =BHA (3 7/8 to 2 1/2 Tapered Mill & 2 3/8 Pac)- ( Bit Sub 2 3/8 Reg X 2 3/8 Pac)- ( X &Over Collar 2/38) = 4.27 feet &RIH to TOL - SD and RU on dbl line.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,974,381

**5/3/2012 Day: 49**

**Completion**

Rigless on 5/3/2012 - TIH set Halliburton 4.5" CPB @ 8785'. TOO. - SWIFN. SICP @ 0. - 1050 PSI on well, BO in 30 min. on 28 choke, hold pre job jsa with Mtn. States and Halliburton. - BO to the tanks and PU 6' to sting out of the retainer. Reverse circulate 475 Bbls of 8.34# fresh water down the csg up the tbg. Sampled/ tested water to 8.34# at surface. - BO to the tanks and PU 6' to sting out of the retainer. Reverse circulate 475 Bbls of 8.34# fresh water down the csg up the tbg. Sampled/ tested water to 8.34# at surface. - RU YT elevators and RU the rig on single line. Pull 5' for stretch (62,000# string weight) putting the center of the casing alignment tool @ 8733.2'. Turn the tbg to the right 35 times and pull to 72,000# string weight and let it sit for 2 min. Pull up to 82,000# to shear off of the cement retainer. Turn the tbg to the right another 20 times and set down 15,000#. PU 4' and then sting back into the retainer. RU to pump down the csg. Pressure test the backside with the rig pump to 3000# to check for communication. Good test. - RU YT elevators and RU the rig on single line. Pull 5' for stretch (62,000# string weight) putting the center of the casing alignment tool @ 8733.2'. Turn the tbg to the right 35 times and pull to 72,000# string weight and let it sit for 2 min. Pull up to 82,000# to shear off of the cement retainer. Turn the tbg to the right another 20 times and set down 15,000#. PU 4' and then sting back into the retainer. RU to pump down the csg. Pressure test the backside with the rig pump to 3000# to check for communication. Good test. - PU and MU Halliburton cmnt retainer and casing alignment tool (3.62 OD). RIH to 8738.2' at the center of the csg alignment tool. - PU and MU Halliburton cmnt retainer and casing alignment tool (3.62 OD). RIH to 8738.2' at the center of the csg alignment tool. - SMDDO, SICP @ 650# BO to FB tk 10 min. - SMDDO, SICP @ 650# BO to FB tk 10 min. - Secure well for night. - Secure well for night. - TOO. - TOO. - Load tbg, pressure up to 1800 psi to activate HST. Set down 5000#. PU string weight no over pull. Pressure up to 1800# wait 5 min. Set down 10000#. PU no over pull, repeat. PU 50' no drag. RIH to plug depth set down 16000#. - Load tbg, pressure up to 1800 psi to activate HST. Set down 5000#. PU string weight no over pull. Pressure up to 1800# wait 5 min. Set down 10000#. PU no over pull, repeat. PU 50' no drag. RIH to plug depth set down 16000#. - Let ball fall. - Let ball fall. - TIH with COPB to 8785' (284 jts) seen a tight spot @ 8767'. Drop ball. - TIH with COPB to 8785' (284 jts) seen a tight spot @ 8767'. Drop ball. - MU Halliburton HST and 10K COPB (4.5" Obsidean) 3.62" OD setting sleeve. - MU Halliburton HST and 10K COPB (4.5" Obsidean) 3.62" OD setting sleeve. - 1050 PSI on well, BO in 30 min. on 28 choke, hold pre job jsa with Mtn. States and Halliburton. - SWIFN. SICP @ 0.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,987,893

**5/4/2012 Day: 51**

**Completion**

Rigless on 5/4/2012 - Cement Halliburton casing alignment tool. POOH. - Water on location testing really high for salt. Called for ITL transport of FW. Pressure tested surface iron to 7000# for 3 min. Got an initial injection rate of 1.5 BPM @ 5900# and slowly climbing. Pumped 10 Bbls total and SD. Pressure dropped from 5960# to 5500. Started pumping again @ .75 BPM w/ 5600# injection rate. Minimal pressure increase @ 7 Bbls gone. - SD and have a SMDDO. - RU Halliburton manifold and hard iron. RU stand pipe and bails to tbg swvl with 2" plg valve. Prime pump and clear lines to the pit with 20 bbls FW. - Spot Halliburton pod truck and pump. Sting back into the retainer. - OOH w/ tbg and tools. LD Halliburton tools and SWIFN. - SMDDO, SICP @ 0#. SITP @ 50# BO to FB tk in 1 min. - RD and RO Halliburton Cement equipment. RU rig on double line. - POOH w/ 8 stands to get above the LT @ 8277'. RU back to the tbg to reverse circulate w/ 40 bbls. - Tested Good for cement @ 2300 salt. RU transport to Cement pump and mix 15.8# cement. Start pumping down tbg w/ 20.48 Bbls (15.8#, 1.15 ft3/sk, W:5.95 cement) Then pumped 28.6 Bbls of 8.34# FW and SD to leave 1

Bbl of cement in tbg. Sting out of the cement retainer. Finish pumping displacement spotting 1 Bbl of cement on top of the retainer. RD tbg swivel and bails. - SD and changed up the Cmnt Rec to only pump 100 SKS @ 1.5 BPM. Water transport showed up with 180 Bbls of 8.34# fresh water. - Start POOH on single line standing back in the derrick.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,049,036

**5/5/2012 Day: 78**

**Completion**

Rigless on 5/5/2012 - Pull out of hole with BHA - Switch out Shoe - Run In Hole with New BHA to Top Of Liner and Circulate Hole - Change Rig back to single line- SWIFN - RIH with New BHA to TOL +/- circulate Hole and SWIFN - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing 400 psi & Tubing 600 psi & Bleed off no flow - Out of Hole with BHA - Collars and casing stuck in wash pipe. Weld on Plate on Bottom of Shoe and break wash Pipe hoping to retrieve pipe stuck in wash pipe .Lay down Wash Pipe & retrieved 1 full collar and 15.43 feet of 2nd collar, Left in Hole Sliced collar 6 foot section and 14 feet left in hole to Top of string mill total 20 Feet. - POOH with wash over tools and BHA = XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28)--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52 )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)--(6 3 1/8" OD X 2 7/8 PAC-Drill Collars X 178.21 )--(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26 )--( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )--(3 3/4 Wash pipe -Drive Sub X 1.87 )--(3 3/4 Wash pipe X 64.94 )--(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 ) Total BHA 279 FT - Depth +/- 8200 feet. - Wait on Change overs to arrive from Vernal --- New BHA = -(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 )- (3 3/4 Wash pipe -Drive Sub X 1.87 )-(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )--(2 3/1 3 1/8" OD X 2 7/8 PAC-Drill Collars X 60.11)- )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X .97)-( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )&( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26)- ( )--(XO Sub-2 7/8" Reg Pin-2 3/8" PAC Pin X 1.58)-(4 3 1/8" OD X 2 7/8 PAC-Drill Collars X 118.10)- )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)- )--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52)- (XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28) - Total BHA 215.61 FT

**Daily Cost:** \$0

**Cumulative Cost:** \$2,074,862

**5/7/2012 Day: 52**

**Completion**

Rigless on 5/7/2012 - TIH to above LT and circ 11.6# CaCl2. TIH and tag @ 8550'. DO/CO cmnt to 8628'. Circ dln and LD tbg. EOT @ 8194'. - Rack pwr swl back and LD 8 jts. EOT @ 8194'. SWIFN. SICP @ 0. - TIH from 8256' and tagged at 8550'. PU pwr swl and DO cmnt to 8628' RC @ 2 BPM/ 900 pmp psi. Rotating 60 RPMs with 2 to 5K down on bit. RC clean w/ 30 bbls. - SMDDO, SICP @ 0#. - TIH on 265 jts 2 3/8" OD PH-6 tbg to 8256'. - Made up 3.875" OD rock bit, 3.875" OD string mill, 3 1/8" OD bitsub, 2-3 1/8" OD DC's, 2 3/8" PH-6 X 2 7/8" PAC X-over. - Displace 8.34" FW out of hole with 300 Bbls 11.6# CaCl2.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,095,692

**5/8/2012 Day: 53**

**Completion**

Rigless on 5/8/2012 - Finish DO CMNT, Retainer, and casing alignment tool. - Drilled until 18:20. Pulled up and RC w/30 bbls 11.6# CaCl2. RB pwr swvl and pull 7 stands to get above liner top. SWIFN. SICP @ 0. - Drilled from 8710' to 8711' RC 1.9 BPM at 900 PSI with from 1 to 18K setting down on bit and rotating from 20 to 120 RPM. Couldn't get bit to drill trying different RPM and weight combos. Bit finally started torquing up from 500 to 800. - Drilled out

CICR from 8707' to 8710' RC 1.9 BPM at 900 PSI rotating from 50 to 70 RPMS w/ 5K setting on bit. - Down w/ 279 @ 8690.21'. RC w/ 5 bbls and PUMU jt 280. RC. Drilled out cement from 8628' to 8707' RC 1.9 BPM at 900 PSI rotating 50 to 70 RPMS w/ 3 to 5K on bit. - SMDDO, SICP @ 0#. - RC and ST DO/CO CMNT. Down w/ jt 278 @ 08:40. RC w/ 5 bbls and PUMU jt 279. RC. - RU PWR SWVL and PUMU jt 278. - PU and TIH to tag on jt 278. LD jt 278. - Down w/ 278 @ 8659.28'. RC w/ 5 bbls and PUMU jt 280. RC.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,114,379

**5/9/2012 Day: 54**

**Completion**

Rigless on 5/9/2012 - Drilled 2' off off of the slip joint. w/ 19 hrs on the bit, decided to POOH. - POOH standing back 139 stands and single, 2- 3 1/8" DC's, 3.875" OD string mill and 3.875" OD mill. Mill had one cone with a complete row of teeth ground down and shiny wear marks in the middle of the other two cones. Looks as though we are turning on the 2.5" connection area on top of the alignment tool. SWIFN. SICP @ 0. - RD PWR SWVL. - SMDDO, SICP @ 0#. - LD jt 280 and RU PWR SWVL. PUMU jt 280 and PU pump to catch circ. - PU and TIH to tag on jt 280. - Drilled from 8711' to 8713'. PU and circ cln.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,132,594

**5/10/2012 Day: 55**

**Completion**

Rigless on 5/10/2012 - RIH to DO casing alignment tool. DO 4' and POOH to add DC's and check bit. - SMDDO, SICP @ 0#. - POOH standing back in the derrick. SWIFN. SICP@ 0 - PUMU 3.875" OD Skirted rock bit, 3.875" OD string mill, X-over, 2-3 1/8" DC's and RIH. - RC and started drilling. Making hole very slowly at 60 RPMS, 1.9 BPM @ 900 psi, and 4-5K down but it is drilling off. Made 4' of hole. Drilling really slowly but still drilling off. We have changed up RPM's from 60-120, pump rates 1.4 BPM-2.5 BPM, and as well as 2-10K WOB. DO from 8713 to 8717' and stopped making hole. Consulted HES that we should have the best DO at 60 BPM, 6-8K down, and 1.9-2 BPM. Instructed to POOH, add DC's and check bit. - Tag on jt 280 -LD jt 280 and RU PWR SWVL. PUMU jt 280. - PU and RC 30 bbls 11.6# CaCl2. RO PWR SWVL and LD 9 jts.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,150,652

**5/11/2012 Day: 56**

**Completion**

Rigless on 5/11/2012 - RIH w/ Rocky mtn 3.875" OD sealed bearing bit to DO casing alignment tool. - PU and circ 30 Bbls of 8.34# FW. RO PWR SWVL and POOH w/ 7 stands and 1 single. SWIFN. - RC and started drilling @ 80 RPM, 2.5 BPM and 7K down. Hard to tell anything consistent until the tool joint gets below the annular rubber. Drilled from 8717' to 8723'. We have been consistantly making 1'/hr through the alignment tool. - SMDDO, SICP @ 0#. SITP @ 0#. - PUMU 3.875" OD Hughes rock bit, 3.875" OD string mill, x-over, 10- 3 1/8" OD 600# DC's, and RIH with 136 stands and one jt to tag @ 8717' with a collar right in the annular rubber. - POOH with Rocky Mtn 3.875" OD Sealed Bearing bit. Checked bit out. Grooves are being worn inbetween the teeth on the bit as with the first bit at this point DO the alignment tool. - RU PWR SWVL. PUMU jt 273.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,193,018

**5/12/2012 Day: 57**

**Completion**

Rigless on 5/12/2012 - TIH to finish DO casing alignment tool. - 18:00-19:00 Out of Hole with Bit, 2 cones missing from bit - Planning on RIH in Morning with Sand line and retrieve cones, Wait on NFX conformation which bit we will be running -5 Ft left to drill to get too bad spot in casing at 8,734- 12 feet left to get to btm of alignment tool 8,741 .Top of plug 8,784. 19:00 Leave Location for Day - POOH and inspect tools, Weatherford have new bit and magnet on way to location. 5 Ft left to drill to get too bad spot in casing at 8,734- 12 feet left to get to btm of alignment tool 8,741 .Top of plug 8,784. - On Loc Safety meeting discuss JSA, Stop - Work Authority, Evacuation plan, FRC, Smoking - PU Swivel - Begin drilling with 65-80 rpms and Circulate 11.6 Fluid -2 ½ BBL Min 7K--10K WOB down thru alignment tool 1 ft. per hr. Drilled out Returns showing flat aluminum NO CEMENT. - PU and RIH with Mountain States 3.875" OD Skirted rock bit, 3.875" OD string mill, X-over, 10-3 1/8" DC's and RIH. Tag at 8723 - Drilling out currently at 8723-8729 ft. Making 1 ft. /hr. Circulating 11.6 fluid at 2 ½ bbl. / min 10K thru alignment tool 1,700 psi 1 bit torque 800 lbs. /torque at 7 k WOB and 1,200 lbs. / torque at 10 K WOB- returns flat pieces of Aluminum some Cement at 8,729 Feet torque out pull up and run back in hold with 1 K on bit torque out at, 2:45pm Decision made to POOH and inspect tools

**Daily Cost:** \$0

**Cumulative Cost:** \$2,229,337

**5/13/2012 Day: 58**

**Completion**

Rigless on 5/13/2012 - RIH Retrieve Cones with Magnet.RIH with TTS bit - 14:30-18:00 PU and RIH with Mountain States with TTS Mill Bit 3.875" OD Skirted rock bit, mill, X-over, 10-3 1/8" DC's and RIH -Varel L2 -V2 -OD 3.78 2 3/8 SN# 887235-IADC 211- 11H-1693-Not Sealed bearing 0 HRS- Set down to Liner top At 8245 8 Stand short 1 and SWIFN 14:30-18:00 PU and RIH with Mountain States with TTS Mill Bit 3.875" OD Skirted rock bit, mill, X-over, 10-3 1/8" DC's and RIH -Varel L2 -V2 -OD 3.78 2 3/8 SN# 887235-IADC 211- 11H-1693-Not Sealed bearing 0 HRS- Set down to Liner top At 8245 8 Stand short 1 and SWIFN TTS Varel L2 -V2 OD 3.78 2 3/8 SN# 887235-211-11H-1693-Not Sealed bearing 0 HRS - On Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking. - Make up PU and RIH with Mountain States Sand Line and Weatherford Magnet Retrieve 2 Cones Sand Line BHA (2 3/8 -Slotted bull plug 10 ft. pup joint- change over -1 joint 2 3/8 1 change over 1 Bit sub-Magnet ) 46.01 FT- out of Hole with One Cone . - 09:30-14:30 PU and Run back in hole to Retrieve 2 ND cone Same BHA -46.01 FT- Out of Hole 10:20 am ¼ cone and ball bearings , 10:30 RIH Again 11:00 Out of hole ½ cone , 11:10 RIH pull out rest of cone 1 Make 2 more runs Dry no metal ..POOH lay down tools

**Daily Cost:** \$0

**Cumulative Cost:** \$2,248,669

**5/14/2012 Day: 59**

**Completion**

Rigless on 5/14/2012 - RIH to DO casing alignment tool. - Have been milling for 10 hrs. And have made 4 feet - Reverse circulate hole clean- Pull up hole to 8245'. Secure well and SDFN - 12:00 - 17:50 Milling out for day started at 8729- 8732 - ft. Making 1/2 ft. /hr. Circulating 11.6 fluid at 2 ½ bbl. / min Thru Alignment tool 2,100 psi 1 TTS Bit. / Torque 800 to 1,100 lbs. - 6 K WOB. - 09:30-10:30 Milling out currently at 8731 - ft. Making 3/4 ft. /hr. Circulating 11.6 fluid at 2 ¾ bbl. / min Thru Alignment tool 2,100 psi 1 TTS Bit. / Torque 800 to 1,100 lbs. - 6 K WOB- - On Loc Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking - PU Swivel - Begin drilling with 60 rpms and Circulate 11.6 Fluid -2 ½ BBL Min-4K WOB down thru alignment tool 3/4 ft. per hr-Torque 800 lbs.- 2,100 psi .Working slow for first 1hr. - PU and RIH with Mountain States Varel L2 3.875" OD Skirted rock bit, 3.875" OD string mill, X-over, 10-3 1/8" DC's and RIH. Run 8 stands tubing Tag at 8729 - 08:30-9:30 Milling out currently at 8730 - ft. Making ½ ft. /hr. Circulating 11.6 fluid at 2 ¾ bbl. /

min Thru Alignment tool  $\dot{\iota}$  2,100 psi  $\dot{\iota}$  TTS Bit. / Torque 800 to 1,100 lbs. - 5 K WOB-

**Daily Cost:** \$0

**Cumulative Cost:** \$2,271,949

**5/15/2012 Day: 60**

**Completion**

Rigless on 5/15/2012 - POOH -RIH -DO Casing tool. - POOH 5 feet Reverse circulate hole clean-.POOH 30 Ft and SWIFN. - 3 Hrs. Made total of 3 feet Started drilling with WOB 4 K -60 rpm- Circulate 11.6 fluid - 1,700 Psi -pumping 2.4 bpm  $\dot{\iota}$  Torque 500-600 - After for 5 minutes then to WOB 8 K 60 rpms- Circulate 11.6 fluid - 1,800 Psi -pumping 2.4 bpm - Torque 600-700 -After 1 Hour WOB 10 k 60 rpm and Circulate 11.6 Fluid -2 .4 BBL Min- down thru alignment tool  $\dot{\iota}$  1 ft. per hr.- Torque 600-800 lbs.- 1,900 psi $\dot{\iota}$ ..Drilled Total Of 3 Feet in 3 hrs. Current depth 8735 - 6 ft LEFT TO MILL----- - RIH with Mountain States WFD 3.875" OD Sealed Bearing Bit?? IADC 211, 3.875" OD string mill, X-over, 10-3 1/8" DC's and RIH. 15:10 Tag at 8732 $\dot{\iota}$  Pick up Swivel and Circulate fluid. - Resume POOH with Mountain States WOR and Snubbing Unit $\dot{\iota}$ . - Mountain States rig Broke down , rig shut down to adjust Brake $\dot{\iota}$ .down 1.5 hr. - POOH with Tubing string and TTS Varel rock bit (bit Had 10 Hrs. milling previous day .POOH with Mountain States WOR and Snubbing Unit. - On Loc Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking..

**Daily Cost:** \$0

**Cumulative Cost:** \$2,289,647

**5/16/2012 Day: 61**

**Completion**

Rigless on 5/16/2012 - DO Casing Alignment Tool - POOH with Tubing and WFD Bit, SWIFN  $\dot{\iota}$  Total on Bit 12 hrs $\dot{\iota}$ 8,738 ft. Bit wore down missing inside teeth  $\dot{\iota}$  outside teeth wore down , Probably 1 hr. away from losing cones bearings shot .. - Drilling at 8738 $\dot{\iota}$  with 60 rpm and Circulate 11.6 Fluid -2 .4 BBL Min -10 K WOB  $\dot{\iota}$  1900 psi -down thru alignment tool  $\dot{\iota}$  2 inches per hr. Torque 800-100--12 Hrs. ONLY DRILLED 6 Inches  $\dot{\iota}$  Total DRILLED TODAY 2 1/2 Feet. 3 + Feet left to reach Bottom of Alignment tool. - On Loc Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking - 07:00  $\dot{\iota}$  10:00 PU Swivel - Tag at 8735 $\dot{\iota}$  - Begin drilling with 60 rpm and Circulate 11.6 Fluid -2 .4 BBL Min -8K WOB  $\dot{\iota}$  1900 psi -down thru alignment tool  $\dot{\iota}$  1/4 ft. per hr. I FT Total in 3 Hrs.. Torque 500-800. - Dump sand trap med aluminum and cement - OPEN WH 1,250 PSI  $\dot{\iota}$  BLEED WELL DOWN PU and RIH with Mountain States WFD 3.875" OD Skirted rock bit, 3.875" OD string mill, X-over, 10-3 1/8" DC's and RIH. Bit had 3hrs drilling previous day. - Drilling at 8736 $\dot{\iota}$  with 60-80 rpm and Circulate 11.6 Fluid -2 .4 BBL Min -8K  $\dot{\iota}$ 9K WOB  $\dot{\iota}$  1900 psi -down thru alignment tool  $\dot{\iota}$  1/4 ft. per hr. Torque 600-900.Plugging up big pieces aluminum

**Daily Cost:** \$0

**Cumulative Cost:** \$2,319,610

**5/17/2012 Day: 62**

**Completion**

Rigless on 5/17/2012 - RIH DO Alignment tool with TTS Bit - 17:30-18:30 POOH. Reverse circulate hole clean. Pull up hole to 8245'.9 Stands -SWIFN. - Pushed thru alignment tool  $\dot{\iota}$  At 8737 - 8740 ft. PU Joint tubing and RIH to tag plug , 8743 ft. got weight back  $\dot{\iota}$  WOB 10 K  $\dot{\iota}$  2.5 bbl. min  $\dot{\iota}$  1700 psi  $\dot{\iota}$ circulating 11.6 fluid- torque 500-700. Still getting black rocks  $\dot{\iota}$ possible formation --Average 10 feet per hr. if in casing 24 ft. from Plug , Drilled 25 Ft. today- Currently at 8760 Ft. - On Loc Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking - PU and RIH with Mountain States TTS Bit IADC: 126 - Steel tooth journal sealed bearing bit- Drilled out and Skirted - 3.875" OD Skirted rock bit, 3.875" OD string mill, X-over, 10-3 1/8" DC's. - Dump sand trap Large pieces of possible formation and some aluminum -OPEN WH 150 PSI  $\dot{\iota}$  BLEED WELL DOWN - PU Swivel - Tag at 8737 $\dot{\iota}$  -

Start drilling at 12:00 Begin drilling with 60 rpm and Circulate 11.6 Fluid -2 .4 BBL Min -8K  
WOB  $\hat{c}$  1900 psi -down thru alignment tool  $\hat{c}$  1/2 ft. per hr. Torque 500-800. Still getting black  
rocks  $\hat{c}$  possible formation  $\hat{c}$

**Daily Cost:** \$0

**Cumulative Cost:** \$2,342,609

**5/18/2012 Day: 63**

**Completion**

Rigless on 5/18/2012 - RIH and DO Alignment Tool - Pressure up Backside 4K  $\hat{c}$  release psi -  
Rig down Cudd- bleed down well ,PU weight 40 over 50 K = 90K on well for night. Put night  
cap on well SDFN - Cudd high psi pump on Loc Rig up to tubing Psi test 9,800-Pump to 7,000  
Psi - Hooked back to power swivel and pulled 80 + K could not get tubing to move. - On Loc  
Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- WH Psi  
1,200  $\hat{c}$  Bleed off - PU Swivel  $\hat{c}$  RIH Tag at 8737  $\hat{c}$  Start reciprocating tubing no luck - Begin  
Mill with 60 rpm and Circ 11.6 Fluid -2 .5 BBL Min -8K WOB  $\hat{c}$  1200 psi. Torque 800- thru tight  
spot at 8,739. Stop Milling and keep reciprocating tubing tag at 8,759  $\hat{c}$  Resume Milling 10K  
WOB -1700 Psi. At 8,762 Lost returns pump down casing and thru tubing and POOH Stuck at  
8,762.5 attempted to pull 70 -80 K with rig. Moved up hole 2 feet  $\hat{c}$  - PU and RIH with TTS Bit  
IADC 126: - Steel tooth journal sealed bearing bit- Drilled out and Skirted  $\hat{c}$  BHA = (.32 Ft)  
3.875" OD Skirted rock bit, (3.74 Ft) 3.875" OD string mill, (1.70Ft) X-over, (296.15 Ft) 10-3  
1/8" Tubing with DC's. (1.45 Ft) X over, (1.71 Ft) R Nipple = Total 304.07 Feet - Switch to  
single line Remove Swivel  $\hat{c}$  Pulled pipe 50 K- Max 120 K No Movement Pulled 50 K on tubing  
pumped 3.2 BBLs Backside 4,000 psi surged - returns 3.2 BBLs 4,000 Psi Solid No leak off  
watch for 10 minutes. , Pumped down tubing to 4,800 psi surged and re pump same result  
holding at 4,800 psi.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,362,665

**5/19/2012 Day: 64**

**Completion**

Rigless on 5/19/2012 - RIH -Wireline Sting Shot- Back Off -POOH tubing - Switch to Double  
line and POOH with Tubing, out of hole Fill well with 11.6 and , Have all tools BHA ready to go  
first thing in morning .SWIFN - Build BHA for String Mill and RIH had to rig down and install  
swivel in line  $\hat{c}$  PU String weight 42 K  $\hat{c}$  Wire line at depth 8702 Ft. Rotate pipe left handed 6  
 $\frac{1}{2}$  turns  $\hat{c}$  Perforate pipe with 240 Gram charge 1100 lbs. on line weight  $\hat{c}$  Lost torque on rig  $\hat{c}$   
pulled up Pipe 2 Ft same weight 42 K- Started to log coming out of hole all collars 2 Ft off..  
POOH wire line and rig down wire line. - On location safety meeting. Casing pressure 1,200.  
Tubing pressure 0 Shut down with 90 k pull this morning 84 k. Loss 6 k. Bleed off pressure on  
well and attempt to pull on well aggressive. Up to 120 k. Still Stuck 8,760 - Job String Shot  $\hat{c}$   
Back off -Perforators on-location Job site Meeting - rigging up to well - RIH with collar locator  
 $\hat{c}$  weigh bar and Tag thru tubing to 8717 Ft. POOH - RIH PU Weight on rig 42K -With Free-  
Point Tool slow rate Tag 8406- 100% - Tag 8481 -100% -Tag 8683  $\hat{c}$  100% - Tag 8711- 80%  
- 2 Stands left in Hole at 8702 FT  $\hat{c}$  went thru 8  $\frac{1}{2}$  collars . Left in Hole 2 collars ,String mill  
and Bit Sub

**Daily Cost:** \$0

**Cumulative Cost:** \$2,392,553

**5/20/2012 Day: 65**

**Completion**

Rigless on 5/20/2012 - RIH with WFD BHA Fish tools Stuck - 12:30  $\hat{c}$  18:00 Total of 5  $\frac{1}{2}$  hrs.  
With no success  $\hat{c}$  Attempt to reverse circulate, Leave tubing in Compression, Secure well  
SDFN. Plan is to jar off  $\hat{c}$  RU wire line to tempt to back off the top of the string mill and remove  
2 -3.125  $\hat{c}$  OD -drill collars , If successful RIH with over shot and wash pipe to attempt pipe

recovery of string mill and bit . - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- WH Psi 1,200  $\dot{\iota}$  Bleed off. Well full 11.6 fluid - RIH with Mountain States WOR and Snubbing WFD BHA Consisting of: (X  $\dot{\iota}$  Over 2 3/8 -2 7/8 - 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 1.59:)- (Bumper sub 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 8.89:)- (Fishing Jar -3 1/8 -3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 8.70:)- (X  $\dot{\iota}$ Over 2 7/8  $\dot{\iota}$  2 3/8 -3.125 $\dot{\iota}$  OD X 1.00 $\dot{\iota}$  ID X 1.59:)- (Drill Collar - 6 3 /18 - 3.062 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 177.53 -:)- (X  $\dot{\iota}$ Over 2 3/8  $\dot{\iota}$  2 7/8 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 1.27 :)- (Slinger 3 1/8 - 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 11.17 :)- (X  $\dot{\iota}$ Over 2 3/8 PH6 $\dot{\iota}$  2 3/8 Reg - 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 1.23:)- ( R Nipple 2 3/8 -3.125 $\dot{\iota}$ OD x 1.25 $\dot{\iota}$  ID X .71 )-Total BHA = 212.68 - Tag previous BHA (Rock Bit  $\dot{\iota}$  String Mill -2 Collars) at 8692 Ft, Screw back onto Fish ,Jar onto fish setting off Jars up to 45K continue pulling up to 110 K.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,420,238

**5/21/2012 Day: 66**

**Completion**

Rigless on 5/21/2012 - Jar tubing attempt to get BHA OOH , RIH wire line Tag high POOH , Rig down rig assist intall hy- Drill - Rig assist (Snubbing unit) rigged down , Hydrill installed on Well =Plan in morning to torque Bolts on hy-dril and re pressure test and record , Replace Base beam on rig with longer heavy duty base Beam.10 ft to 20 ft After all of this is completed location will be ready for Vibration tool , still looking at unit been here Wednesday night. Well is full 11.6 fluid , 0 pressure in well , SWIFN - Decision made to proceed with Vibrating tool and leave WFT Jars and BHA in well, if attempted to back off would weaken threads on collar and would have to RIH with over shot and this would reduce chances of getting Tools out of hole. Working on Rigging down rig assist (Snubbing unit) and installing HYDrill on well  $\dot{\iota}$  also replacing short rig beam with larger heavy duty one. Vibrating tool is leaving New Iberia La - and will be on location on Wednesday afternoon , rig up on Thursday and resume fishing operations for BHA $\dot{\iota}$  - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- WH Psi 1,225  $\dot{\iota}$  Bleed off. Well full 11.6 fluid - Attempt to pump down casing well pressured out 4 K 500 psi loss in 5 minutes  $\dot{\iota}$  Pump down tubing 4500 psi leak off 1000 psi in 1 minute, resume pumping attempt to reciprocate with no luck, Rig up Wire Line - Jar tool with Mountain States WOR and Snubbing WFD BHA Consisting of: (X  $\dot{\iota}$  Over 2 3/8 -2 7/8 - 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 1.59:)- (Bumper sub 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 8.89:)- (Fishing Jar -3 1/8 -3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 8.70:)- (X  $\dot{\iota}$ Over 2 7/8  $\dot{\iota}$  2 3/8 -3.125 $\dot{\iota}$  OD X 1.00 $\dot{\iota}$  ID X 1.59:)- (Drill Collar - 6 3 /18 - 3.062 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 177.53 -:)- ( X  $\dot{\iota}$ Over 2 3/8  $\dot{\iota}$  2 7/8 -3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 1.27 :)- (Slinger 3 1/8 - 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 11.17 :)- (X  $\dot{\iota}$ Over 2 3/8 PH6 $\dot{\iota}$  2 3/8 Reg - 3.125 $\dot{\iota}$  OD X 1.25 $\dot{\iota}$  ID X 1.23:)- ( R Nipple 2 3/8 -3.125 $\dot{\iota}$ OD x 1.25 $\dot{\iota}$  ID X .71 )-Total BHA = 212.68 - Rig up wire line and RIH with 3 - 5/8 weight bar and Tag at 8716 feet 6 times - previous BHA at 8702 difference of 14 feet in next collar  $\dot{\iota}$  POOH and rig down and release wire line.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,468,910

**5/22/2012 Day: 67**

**Completion**

Rigless on 5/22/2012 - Rig down Rig Replace Base Plate - Torque WH -Psi Test Hy Drill - Move equipment for secure location - Release rig crew until Thursday Morning  $\dot{\iota}$  (Vibration Technology, INC) planning on rigging up on Wednesday night or Thursday Morning and resume operations to get BHA out of well $\dot{\iota}$ .Bleed down tubing and Casing - SWIFN - On location safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing Psi 1,225  $\dot{\iota}$  Bleed off no additional flow. - Rig down rig and install New Base beam  $\dot{\iota}$  Nabors delivered 20 Ft base beam  $\dot{\iota}$  Rig back up rig -Rustin on Location torque up WH bolts and Hy-drill.Get new Accumilacator from WFD for Hy Drill - Weatherford Hook up to WH and Pressure test Hy-drill Torque Bolts on HY-Drill-Pressure test and Record  $\dot{\iota}$  Low pressure and

High pressure test performed.. No Leak off

**Daily Cost:** \$0

**Cumulative Cost:** \$2,485,905

**5/24/2012 Day: 68**

**Completion**

Rigless on 5/24/2012 - Rigged up vibration tool started Vibrating , Parted pipe 68 jts at 4205 ft. POOH with tubing RIH with Overshot and wire line -Back off Tubing 2 jts below bad collar. - Pull out of hole with 2 stands , switch rig back to double line , install TIW and night cap on well , SWIFN - Rig up wire line RIH and back off tubing AT 4279 Ft. -2 joints below damaged collar & Lost torque pulled up 2 collars 2 Ft. off -Lost weight 25K to 18K -POOH with wire Line- Turn over to RIG - RIH with 2/38 pipe with overshot and latch onto damaged pipe with WFD BHA X-Over 3 1/2 IF- 2 3/8 PH6 & 2 7/8 grapple stop & 5 3/4 Overshot - Pull pipe weight 25 K - 5/23/12 Check psi bleed down well + Bleed down well .Casing 1200 psi - Tubing 350 psi. Vibration tool arrived 5:30 PM spot equipment on location.. 5/24/12 on location safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing Psi 1,200 & Tubing 1000 psi -Bleed off no additional flow. - 09:45 & 11:45 pick up pipe weight 45 K + weight of tool and elevators & 8K = 54 K-Set off Jars at 60K Pull to 80 K -90K-100K had to shut down several times to fix , Hyd seal , weight indicator , parts coming loose on rig & - Held 2nd Safety meeting discuss Safety and job procedure & - Hook up Vibration equipment & switch out elevators to 3 1/2 for tool & Pick up tool, connect tool to WH with 2 3/8 PH6 TIW Valve - Crossover 2 3/8 PH6 & 3 1/2 IF Box- also 3 1/2 TIW valve. - While vibrating tool with 100K pipe weight suddenly Lost pipe weight from 90K to 16K & Lay down tool and start pulling pipe Lost threads on Jt 68 approx. 4205 ft. 1/2 threads missing from joint.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,572,965

**5/25/2012 Day: 69**

**Completion**

Rigless on 5/25/2012 - POOH with Fish approx 4140 FT , RIH over shot latch onto tubing - RIH wireLine back off at Btm fish 8702 POOH with tubing and tools .POOH - RIH with open ended tubing to circulate hole with 11.6 fluid , Stopped tubing to 5100 Ft. Install TIW valve and Night Cap on well, SWIFN - POOH with Tubing - last 5 stands before collars Cork-Screwed Bad 150 Ft, Continue to POOH and lay down collars .Out Of Hole with tubing.. - RIH with 2/38 pipe with overshot -10:26 am Circulate Hole and latch onto tubing with WFD BHA X-Over 3 1/2 IF- 2 3/8 PH6 & 2 7/8 grapple stop & 5 3/4 Overshot & Tag at 4279 FT. Pull pipe weight 65 K - POOH with previous day fish approx. 4200 Ft pipe. Trip out of hole lay down tools - On location safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing- Tubing 800 psi & Circulate hole with 11.6 Some gas- Bleed off no additional flow. - RIH with wire line 5/8 tools- PU String weight 65 K & Tag in same spot 8716 Ft. Pull up to Wire line depth 8702 Ft.- Rotate pipe left handed 6 1/2 turns & Perforate pipe with 160 Gram charge smaller ID thru Tools & 1220 lbs. On line weight & Lost torque on rig & pulled up Pipe 2 Ft same weight 65 K- Started to log coming out of hole all collars 2 Ft off.. POOH With Wire line

**Daily Cost:** \$0

**Cumulative Cost:** \$2,610,394

**5/26/2012 Day: 70**

**Completion**

Rigless on 5/26/2012 - RIH with tubing Tag Circulate 11.6 fluid spot 5 bbl acid displace and POOH and lay down tubing - Unload pipe from racks and place off location, Unload new tubing , Secure well and location SDFN - POOH with tubing and Laydown string - Switch out 2 /38 string with String from McKenna well . Send this string back to be tested - pump down Casing - pressure up well and try get acid injection into well. Pumping into well pumped 3.4

bbls - pressure 4000 shutdown 5 minutes 500 psi leak off - Re pump back to 4000 leak off 300 psi in 5 minutes. - On location safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing- Tubing 350 psi & Bleed off no additional flow. - Safety meeting Rig up Baker pump truck and acid transport- test lines 5000 .Pump 5 bbl. 20% acid with iron inhibitor at 180 deg Good for 72 & 80 Hrs. Displace with tubing Volume 29.6 bbl. And clean up acid pump. - Circulate hole with 11.6 Fluid, at 4 bbl./min 3,000 psi Circulated a total of 350 BBLS of 11.6 Calcium Chloride in well. - RIH with tubing, Tag at 8702 Pull up 2 ft. and hook up lines to Circulate . - POOH with tubing to liner top Shut down and switch valves to attempt injection into well

**Daily Cost:** \$0

**Cumulative Cost:** \$2,639,576

**5/29/2012 Day: 71**

**Completion**

Rigless on 5/29/2012 - RIH with x over -R nipple - Tubing Plug - Pipe to surface -Tie into BHA - Screw back into collar and previous back off connection- 7 rounds 2,100 Torque & Pulled up weight 29K Pulled 60 K & SWIFN - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing Psi 800 & Bleed off no additional flow. - 07:00 & 08:00 RIH with Mountain States WOR with Snubbing plug in R nipple one joint above connection BHA Consisting of:(X & Over PH6 2 3/8 & PAC 2 7/8 - 3.125 & OD X 1.1/2 & ID X 1.45:)- (1 Joint tubing 2/38 X 30.94) -(R Nipple 2 3/8 -3.125 & OD x 1.25 & ID X 1.62) - (Pro Wire line plug RLFN 01710 Inside tubing) Total BHA = 34.36 - RIH with Mountain States WOR and BHA Ran 279 Joints 2 3/8 tubing + BHA = 8702 Feet

**Daily Cost:** \$0

**Cumulative Cost:** \$2,660,751

**5/30/2012 Day: 72**

**Completion**

Rigless on 5/30/2012 - Rig Up WL and N2 and attempt to gain circulation. - Leave 2 man crew on location & (Pump operator and flow tester) to pump into casing and attempt to break circulation. - Pressure up backside to 500 psi to 1500 psi increments and watch for 30 minutes each with No leak off on Casing and 0 Pressure on tubing & 2000psi & 2500 psi loosing 600 psi in 30 minutes continue pumping into casing -0 psi on Tubing pumped total 4.5 bbls 11.6 fluid into well. - Open back Up TIW Valves 1500 psi on well & Bleed down to 0 and Begin to increase backside with 11.6 Ca Cl. - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing Psi 1000 & 0 Pressure on tubing -Bleed off no additional flow. - Hold 2nd pre Job safety Meeting , Discuss Job -Pressure test Pro WL lubricator to 9500 psi, Test N2 lines also, all good no leaks - Consultant -Concerned about N2 hose with flowing well back & Switch out with hard iron. - Rig up Pro WL and Mountain States N2 and WOR with Snubbing plug in R nipple one joint above connection BHA Consisting of:(X & Over PH6 2 3/8 & PAC 2 7/8 - 3.125 & OD X 1.1/2 & ID X 1.45:)- (1 Joint tubing 2/38 X 30.94) -(R Nipple 2 3/8 -3.125 & OD x 1.25 & ID X 1.62) - (Pro Wire line plug RLFN 01710 Inside tubing) Total BHA = 34.36 + 278 Joint tubing & Pull 20 over to 60K on tubing - Total depth 8702 feet - RIH with WL 150 & 200 Ft/Min and Tag plug 8656 Ft -LT 300 ,Tubing pressure 5300 psi , Casing pressure 0 - Latch Onto and retrieve plug LT 620 -POOH with Plug & Tubing Pressure 5200 psi and casing pressure 200 psi -slowly bleed down tubing towards 1500 psi & Rig Down Wire Line and Release from location.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,694,989

**5/31/2012 Day: 73**

**Completion**

Rigless on 5/31/2012 - Pressure up tubing N2 surge and Rock Tubing , Rig down N2 release -

Rig up WL Tag fill 7937 ft POOH -Pump on Casing-Mauual Back Off - currently this a.m. bleed down annulus to 0 psi and pressuring tubing with N2 to 5000 psi and monitor annulus for flow and attempt to rock annulus and tubing back and forth to establish circulation 35 k to 80 k . No Luck Hook up hose and Fill tubing with 22 BBL 11.6 Ca Cl - 5/30/12 -18:00 ÷ 5/31/12 6:00 12 hrs. Had 2 operators on location thru night (Yesterday), pumped a total of 15 bbls down annulus on average of 1/2 bbl. per pump in maintaining 2500 psi on annulus with no flow on tubing 06:00 ÷ 07: 00 on location safety meeting. Location Safety meeting discuss JSA, Stop - Work Authority, Evacuation plan, FRC, Smoking - RIH with wire line to Depth 8702 Feet - RIH with 3 weigh bars + CCL+WL - 600 ft./Min TAG 7937 Feet stacked out attempted several more times tagging at same spot- TAG 7937 Feet ÷ Short 735 feet from previous back off point ÷POOH with WL LW 1000 -rig down WL - Pumping down casing pressure up casing to 3000 psi ÷ leak off 200-300 psi in 30 minute increments.leak off 200 - 300 psi every 30 minutes - pumped total 10 times into well -Pumped total of 4.5 bbls of 11.6 Ca Cl Today - Resume pumping down Casing and Attempt to break Circulation-Pumping down casing pressure up casing to 2500 psi ÷ leak off 200-300 psi in 30 minute increments. - Attempt manual back off tubing hoping to get backed off at previous BHA 8702 Ft. Backed off several times pulling light screwed back into tubing pulled 15-20 k over weight to 60 K Backed off now pulling 46k ÷pull up 5 feet reverse circ at 3000 psi pumped 15 bbl pressured out ÷ Pull 11 stands 660 Ft 100 Ft above liner top , attempt to get fill from tubing , re pump could not ger circulation SWIFN .

**Daily Cost:** \$0

**Cumulative Cost:** \$2,731,921

#### 6/1/2012 Day: 74

#### Completion

Rigless on 6/1/2012 - POOH with Tubing-Tag fill in tubing at 6457 and 7142 90 ft - Out of Hole at 8702 previous BHA-RIH with wash over BHA to liner top and Circulate hole. - RIH with wash over BHA = XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28)---(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52 )---(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)---(6 3 1/8" OD X 2 7/8 PAC-Drill Collars X 178.21 )---(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )---(3 1/8" OD X 1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26 )---( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )---(3 3/4 Wash pipe -Drive Sub X 1.87 )---(3 3/4 Wash pipe X 64.94 )---(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 ) Total BHA 279 FT - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing 1250 psi ÷ Tubing 650psi ÷ Bleed off no flow - POOH wet with pipe -While pulling out of hole had 1 joint of fill at 6457 feet. Attempted to reverse circulate no success. Pulled 10 more stands at 7142 feet had 3 joints fill? (90) Feet. Started to reverse circulate and cleaned out tubing pulled out of hole. Laid down total 4 joint tubing. Out of hole. Backed off at previous BHA 8702. Still in hole 2 collars string mill and bit. - Stop at liner top 8200 Ft - Circulate 11.6 fluid in well, SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$2,776,496

#### 6/2/2012 Day: 75

#### Completion

Rigless on 6/2/2012 - RIH with Wash over BHA and wash out 2 remaing collars - Pull up 15 feet Circulate 11.6 Ca Cl fluid in well, Pull 12 Stands-Circulate fluid TOL 8200 Ft -SWIFN - Tag fill at 8723 feet -Start to wash over Previous BHA Reverse Circulate at 2 bbl. /min and 1200 ft. lbs. /torque ÷ 1400 psi- 70 RPM- Good returns back to pit tank 12:00 at 8730 feet washed out 7 feet fill ÷ 24 feet left to wash out to get to top of string mill. - Rig up power swivel and 12 stand pipes. - Circulate hole at TOL with 11.6 Ca Cl ÷ Switch rig back to single line ÷ RIH with BHA = XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28)--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52 )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)--(6 3 1/8" OD X 2 7/8 PAC-Drill Collars X 178.21 )--(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )--(3 1/8" OD X

1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26 )--( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )--(3 3/4 Wash pipe -Drive Sub X 1.87 )--(3 3/4 Wash pipe X 64.94 )--(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 ) Total BHA 279 FT + 271 Joints Tubing - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing 1100 psi & Tubing 1000 psi & Bleed off no flow - Tight Spot - 8730 feet & 8731 feet & Made 1 foot since noon- getting metal shaving cement and possible formation back to surface & Reciprocating 6 & 8 feet and Reverse Circulating at 2 bbl. /min and 1200 -1800 ft. lbs. /torque & 1600 psi- 70 RPM-WOB 40K - Good returns back to pit tank .

**Daily Cost:** \$0

**Cumulative Cost:** \$2,799,231

**6/3/2012 Day: 76**

**Completion**

Rigless on 6/3/2012 - RIH Tag Circulate -POOH replace Shoe -RIH to TOL - Circulate hole with 11.6 Ca Cl Fluid. RIH with BHA = XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28)--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52 )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)--(6 3 1/8" OD X 2 7/8 PAC-Drill Collars X 178.21 )--(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26 )--( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )--(3 3/4 Wash pipe -Drive Sub X 1.87 )--(3 3/4 Wash pipe X 64.94 )--(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 ) Total BHA 279 FT + 271 Joints Tubing-Tag Depth 8731 Feet. 09:00-12:00 Tag fill at 8731 feet -Start to wash over Previous BHA Reverse Circulate at 2 bbl. /min and 1500 ft. lbs. /torque & 1500 psi- 70 RPM- Good returns back to pit tank Metal shavings & cement and possible formation - Not making any hole , Decision made to POOH with BHA - Pull up 10 feet & Circulate hole with 11.6 Ca Cl Fluid. Pull up to TOL and double back rig Line.POOH to Surface. - Make up BHA same depth 279 Ft and RIH To Top Of liner +/- 8200 Ft - TOL Circulate hole with 11.6 Ca Cl and Change Rig back to single line. Prepare for wash over in Morning .SWIFN - on location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing 200 psi & Tubing 200 psi & Bleed off no flow

**Daily Cost:** \$0

**Cumulative Cost:** \$2,824,542

**6/4/2012 Day: 77**

**Completion**

Rigless on 6/4/2012 - RIH wash over Collars 8+ hrs milling with shoe today -Circulate hole pull up to TOL & - Change Rig back to single line. SWIFN - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing 750 psi & Tubing 750 psi & Bleed off no flow - RIH to Bad spot 8731- Rig up power swivel - Circulate hole with 11.6 Ca Cl Fluid. RIH with BHA = XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28)--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52 )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)--(6 3 1/8" OD X 2 7/8 PAC-Drill Collars X 178.21 )--(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26 )--( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )--(3 3/4 Wash pipe -Drive Sub X 1.87 )--(3 3/4 Wash pipe X 64.94 )--(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 ) Total BHA 279 FT + 271 Joints Tubing-Tag Depth 8731 Feet. - Tag fill at 8731 -Start to wash over Previous BHA Reverse Circulate at 2 bbl. /min and 1100 -1400 ft. lbs. /torque & 1400 psi- 70 RPM- WOB 41K-Good returns back to pit tank Metal shavings & possible formation-8731- 8733 Made 2 feet in 4 hours. - Tag fill at 8733 -Start to wash over Previous BHA Reverse Circulate at 2 bbl. /min and 1400 ft. lbs. /torque & 1400 psi- 70 RPM- WOB 38K-Good returns back to pit tank Metal shavings & Cement- Getting pieces of aluminum -8733- 8738 Made 5 feet in 5 hours. - Max depth reached 8738 Feet & Not making any whole 8+ hrs. On Shoe - Total 8 feet milled out Today -Circulate hole with 11.6 Ca Cl and Start to POOH to TOL +/- 8200 Feet .

**Daily Cost:** \$0

**Cumulative Cost:** \$2,847,570

**6/5/2012 Day: 78**

**Completion**

Rigless on 6/5/2012 - POOH with Tools + 43 ft previous BHA -RIH with new BHA to 6500 Ft - Shut down high Winds - Wait on Change overs to arrive from Vernal -New BHA = -(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 )- (3 3/4 Wash pipe -Drive Sub X 1.87 )-(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )--(2 3/1 3 1/8" OD X 2 7/8 PAC-Drill Collars X 60.11)- )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X .97)-( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )¿( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26)-( )--(XO Sub-2 7/8" Reg Pin-2 3/8" PAC Pin X 1.58)-(4 3 1/8" OD X 2 7/8 PAC-Drill Collars X 118.10)- )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)- )--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52)- (XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28) - Total BHA 215.61 FT - Close & lock pipe rams. Secure well & location SDFN. - Shut down due to High Wind. Circulate hole with 11.6 Ca Cl to TOL +/- 8100 Feet. Repair cover on top of blocks. - On location safety meeting. Location Safety meeting discuss JSA, Stop -Work Authority, Evacuation plan, FRC, Smoking- Casing 400 psi ¿ Tubing 600 psi ¿ Bleed off no flow - RIH with New tools wash-over shoe. Shut down due to High Wind-Circulate hole with 11.6 Ca Cl to TOL +/- 8100 Feet - POOH with wash over tools and BHA = XO Sub-2 3/8" PH-6-2 3/8" Reg Pin X 1.28)--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Accelerator X 8.52 )--(XO Sub-2 3/8" Reg Pin-2 7/8" PAC Pin X 1.27)--(6 3 1/8" OD X 2 7/8 PAC-Drill Collars X 178.21 )--(XO Sub-2 7/8 PAC Box-2 3/8" Reg Pin X 1.58 )--(3 1/8" OD X 1" ID-X 2 3/8" Reg-Hydraulic Jar X 8.26 )--( 3 1/8" OD X 1" ID-X 2 3/8" Reg-Lubricated Bumper Sub X 8.01 )--(3 3/4 Wash pipe -Drive Sub X 1.87 )--(3 3/4 Wash pipe X 64.94 )--(Shoe-Rough ID X 3 1/8+ -3.875 Smooth OD X 4.06 ) Total BHA 279 FT - Out of Hole with BHA - Collars and casing stuck in wash pipe. Weld on Plate on Bottom of Shoe and break wash Pipe hoping to retrieve pipe stuck in wash pipe .Lay down Wash Pipe ¿retrieved 1 full collar and 15.43 feet of 2nd collar, Left in Hole Sliced collar 6 foot section and 14 feet left in hole to Top of string mill total 20 Feet¿.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,874,600

**6/6/2012 Day: 79**

**Completion**

Rigless on 6/6/2012 - Finish RIH. Tag fish.C/O fill. POOH. Change BHA. RIH. - 17:00 ¿ At liner top. 132 jts (8200¿~). Single up drilling line. 17:15 - Circulate bottoms up w/ 11.2# CACL water. 17:45 ¿ Close & lock pipe rams. Secure well, equipment & location. SDFN. - 14:45 ¿ PU 2 3/8¿ EUE mule shoe guide, x-over, 1 jt 2 3/8¿ PH-6 P110 5.95# tubing, 1 ea - 2 3/8¿ RN-nipple, 2 jts 2 3/8¿ PH-6 P110 5.95# tubing, 3 1/8¿ OD x 1.625 ID Bowen Super jars, 2 3/8¿ x 1.71 ID X-nipple. 15:00 ¿ RIH w/ BHA & tubing. - 14:30 ¿ OOH. LD burnover shoe, lubricated bumper sub, Bowen Super-jars & Bowen intensifier. - 12:15 ¿ POOH. - 08:15 ¿ Establish reverse circulation @ 2 BPM & 1400 PSI w/ 11.2lb/gal brine. Rotate pipe. Neutral rotation ¿ 1000 psi. 09:00 ¿ Tag @ 8736.5¿. C/O to 8737.5¿ while reverse circulating. Tubing plugged. Unplug tubing. Resume reverse circulate. Tubing plugged. Clear tubing. Pull up hole 1 joint & reverse ciurculat to clear tubing. Returns of ¼¿ to 1¿ chunks of formation. Reverse circulate tubing clean. Discuss situation w/ Engineer (Craig Barber) & decide to POOH. Will RIH w/ Mule shoe guide shoe & full opening jars to clean out fill. - 06:30 ¿Casing pressure: 400 psi. Tubing pressure: 500 psi. Bleed down tubing & casing pressure. No flow. 07:00 - Single up drilling line. Enter liner hanger. 07:30 - RIH to 8730.5¿. RU power swivel. - 06:00 ¿ Safety meeting. w/ Weatherford & MSPCS. Discuss: pinch points, FRC¿s, assembly points, smoking area, proper PPE & house keeping. - 10:45 ¿ SD rig pump. RD power swivel 11:15 ¿ POOH to above top of liner. 11:45 - Double fast line drilling line.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,899,430

**6/7/2012 Day: 80****Completion**

Rigless on 6/7/2012 - RIH to 8737'. C/O out fill. - 12:45 ∓ Pull up 1 joint. Circulate bottoms up. 13:15 - SD pump. Wait 30 minutes. 13:45 ∓ RIH & tag fill @ 8737'. 14:00 ∓ Establish reverse circulation @ 2 bpm & 1100 psi w/ 11.2# CACL. C/O to 8738'. Returns small to medium pieces of formation. - 09:00 ∓ Continue to reverse circulate & rotate at 8737'. Reverse circulate @ 2 bpm & 1000 to 1700 psi. Returns of small (1/8") to large (1 1/4" X 1 3/4") black rocks & formation fines. 10:15 ∓ Continue to C/O as above. Returns of small (1/8") to large (1 1/4" X 1 3/4") black rocks & formation fines & paraffin. - 06:30 ∓ Casing pressure: 300 psi. Tubing pressure: 400 psi. Bleed down pressure. No flow. 07:00 ∓ Enter liner top. Slight tag. RIH to 8730'. 07:30 - RU power swivel. 08:00 ∓ Establish reverse circulation @ 2 bpm & 1500 psi w/ 11.2 CACL water. - 06:00 ∓ Safety meeting. w/ Weatherford & MSPCS. Discuss: pinch points, FRC's, assembly points, smoking area, proper PPE & house keeping. - 17:00 - Pull up 1 joint. Circulate bottoms up. 17:15 ∓ SD pump. RD power swivel. 17:30 ∓ POOH to 8100'. 17:45 ∓ Close & lock tubing rams. Secure well, equipment & location. Sdfn.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,920,318

**6/8/2012 Day: 81****Completion**

Rigless on 6/8/2012 - POOH. LD C/O BHA. PU Tapered mill & BHA. RIH to top of liner. RU rig assist snubbing unit. - 21:30 ∓ Secure well, equipment & location. SDFN. - 16:00 ∓ Stop RIH @ 8100'. Land tubing. Close manual master valve. Close & lock blind rams. Single up drilling line. Remove annular preventor. RU Mountain States Pressure Control rig assist snubbing unit. Torque flanges w/ Weatherford. - 13:00 - PU tapered mill & BHA. 13:30 - Close & lock pipe rams. Change out accumulator. Unlock & open pipe rams. 14:00 - RIH. - 12:00 - OOH. LD BHA. Piece of magnetic metal wedged in bottom of tubing. - 09:30 ∓ LD 8 jts of tubing. Double up fast line. POOH. - 08:30 ∓ Pull up high kelly & circulate tubing clear. 09:00 ∓ SD pump. RD power swivel. - 06:45 ∓ RIH. Enter liner top w/ no tag. 07:00 ∓ PU & RU power swivel. 07:45 ∓ Tag @ 8727'. No apparent fill. Establish reverse circulation @ 2 BPM & 1100 PSI w/ 11.2lb/gal brine. Rotate pipe. C/O fill. - 06:00 - Safety meeting. w/ Weatherford & MSPCS. Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & house keeping. 06:30 ∓ Casing pressure: 800 psi. Tubing pressure: 800 psi. Bleed down tubing & casing pressure. No flow.

**Daily Cost:** \$0

**Cumulative Cost:** \$2,950,173

**6/9/2012 Day: 82****Completion**

Rigless on 6/9/2012 - Pressure test BOP stack. Roll hole w/ fresh water. Roll hole @ 8683' w/ fresh water containing 1 gallon FR-27 per 1000 gallons & 10 gallons Biocide per 500 bbls - 17:00 ∓ Stand back 8 stands of tubing. 17:30 ∓ Close & lock pipe rams. Secure well, equipment & location. SDFN. - 13:00 ∓ RIH to 8728'. RU power swivel. 14:00 ∓ Roll hole @ 8683' w/ fresh water containing 1 gallon FR-27 per 1000 gallons & 10 gallons Biocide (Bain 495) per 500 bbls to replace 11.2# CACL brine water. Rates: 3 bpm @ 2000 psi, 3.5 bpm @ 2200 psi, 4 bpm @ 2800 psi & 4.3m bpm @ 3200 psi. 16:30 ∓ SD pump. Secure pump. Hang back power swivel. - 09:30 - Tubing hanger on loc. Re-land tubing. Continue to test BOP stack as above. Good test. 12:45 - Finished PT snubbing unit & BOP stack. RD Tester. - 07:00 ∓ RU Weatherford pressure tester. 07:15 ∓ Pressure test Mountain States Pressure Control snubbing unit. 250 psi low pressure for 5 minutes & 9000 psi high for 10 minutes on 10K BOP & 4800 psi on the 5K equipment for 10 minutes. - 06:30 ∓ Safety meeting. w/ Weatherford, Baker & MSPCS. Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & house keeping. Days operations.

**Daily Cost:** \$0**Cumulative Cost:** \$2,980,028**6/10/2012 Day: 83****Completion**

Rigless on 6/10/2012 - D/O casing alignment tool. Circulate well clean - 06:00 & Safety meeting. w/ Weatherford, Baker & MSPCS. Discuss: hand safety, pinch points, FRCs, assembly points, smoking area, proper PPE & house keeping. Days operations. Casing pressure: 1450 psi. Bleed down well in 2 minutes. Flowed water & paraffin while bleeding down. No additional flow. - 06:30 & RIH from liner top. PU power swivel. Tag @ 8737'. Pull up 2'. 07:30 - Establish circulation down tubing w/ Baker cement pumper @ 4 bpm & 1850 psi. Stabilize pressure. 07:45 & Rotate down & set 1000# on fish. Start drilling w/ 1000# on fish @ 4 bpm & pressure increase to 2250 psi. Continue to feather drill casing alignment tool. 1hr bottoms up. 11:00 - Baker cement pumper @ 4 bpm & 2400 psi. Returns: small pieces of cement & black formation material. No metal showing. Continue drilling @ 8738'. Feathering bottom. 12:00 & Returns of black formation material & few pieces of cement. Mix & pump 10 bbl Zanthan gell sweep. Drilling @ 8739'. Torque increased from 700 # free spin to 1300# D/O. Mix & pump zanthan gell sweep every 30 minutes. 14:00 & Drilling @ 8739.5' First sweep @ surface. Small pieces of black formation material, small pieces of cement, tiny pieces (smaller than 1/8') of magnetic & nonmagnetic metal. Continue to drillout. 15:00 & Drill to 8744'. Pull up to 8720'. Mix 20 bbl Zanthan gell sweep. 15:15 - Pump 20 bbl Zanthan gell sweep @ 5bpm & 3280 psi. - 17:30 & SD Baker pump. Hang back power swivel. 17:45 & Standback 8 stands to 8214' (above top of liner). 18:00 & Close & lock pipe rams. Secure well, equipment & location. SDFN. 18:30 & All personnel off location.

**Daily Cost:** \$0**Cumulative Cost:** \$3,031,032**6/11/2012 Day: 84****Completion**

Rigless on 6/11/2012 - Tag for fill. POOH. LD fishinfg assembly. - 06:30 & RIH from liner top. Tag @ 8738'. No drag. 06:45 & POOH. 10:00 & LD Drill collars, jars, etc.:. 11:00 & OOH. Check tapered mill. Send to town to be re-dressed. Will be morning before mill will be ready. Close & lock blind rams. Secure well, equipment & location. SDFN. 12:00 & Off location. - 06:00 - Safety meeting. w/ Weatherford, Baker & MSPCS. Discuss: hand safety, pinch points, FRCs, assembly points, smoking area, proper PPE & house keeping. Days operations. Casing pressure: 1700 psi. Bleed down well in 3 minutes. Flowed water & paraffin while bleeding down. No additional flow.

**Daily Cost:** \$0**Cumulative Cost:** \$3,054,241**6/12/2012 Day: 85****Completion**

Rigless on 6/12/2012 - Pu Taperd Mill - RIH Circulate Hole , Tag at 8784 top kill plug -POOH to TOL - Pick up joint 2 3/8 PH6 tubing -Circulate well At Depth 8,761 to 8766 getting lot of cement back to surface- 8784 Feet -Circulate well at 4 BPM. 2600 Psi, 800-1400 Ft/Lbs. Torque - Good returns, Tag Kill plug at 8,784 feet & 4 in 4 out- Pump Gel 10 bbl. gel sweeps every 30 minutes Gel FR and Biocide - At Depth 8,740 to 8761 Feet -Start to Circulate well at 4 BPM. 2200 Psi, 600-1100 Ft/Lbs. Torque -Started dragging at 8761 to 8784 feet - Good returns, 4 in 4 out- Pump Gel 10 bbl. gel sweeps every 30 minutes Gel FR and Biocide - Rig back to single line on rig. Hold 2nd Safety Meeting with W/ Weatherford, Baker, and Mountain States discuss job procedure, Rig up Baker Cement pump, Pressure Test. - PU Redressed 3 7/8 to 2' Tapered Mill =BHA (3 7/8 to 2' Tapered Mill & 2 3/8 Pac)- ( Bit Sub 2 3/8 Reg X 2 3/8 Pac)- ( X & Over Collar 2/38) = 4.27 feet & RIH to TOL - Safety meeting. W/ Weatherford,

Baker & MSPCS. Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & housekeeping. Day's operations -Casing pressure: 1800 psi. Bleed down well in 1 minute. Flowed water & paraffin while bleeding down. No additional flow. - Circulate hole Pull Up to Liner Top - Secure well, SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$3,091,756

**6/13/2012 Day: 86**

**Completion**

Rigless on 6/13/2012 - RIH Tag Kill Plug at 8784 Ft Drill out plug Stuck at 8794 Feet .Attempt to rain circulation no luck. - Safety meeting. W/ Weatherford, Baker, J&A, & MSPCS. Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & housekeeping. Day's operations -Casing pressure: 2000 psi. Bleed down well in 1 minute. Flowed water & paraffin while bleeding down. No additional flow. Total 15 people on Location - RIH from TOL 8277 to 8784 Feet - PU Redressed 3 7/8 to 2 1/2 Tapered Mill =BHA (3 7/8 to 2 1/2 Tapered Mill 2 3/8 Pac) - (Bit Sub 2 3/8 Reg X 2 3/8 Pac)-(X 1/2 Over Collar 2/38) = 4.27 feet + 283 joints of 2 3/8 5.95 PH6 Tubing. Circulating Fresh water with Biocide 1/2 Friction reducer- and gel sweeps every 30 Minutes, at 4 BBL/Min -1900 psi 1/2 Torque 1100 1/2 Good returns -4 bbl. in 4 bbl. Out - Tag Plug #1 Kill Plug 8784 and drill out Depth 8784-8794 Feet 1/2 Drilling at 4 BPM. 1900 Psi - 70 RPM-4 bbl. in 4 1/2 bbl. out- Choke 44 1/2 500 psi - Torque 800-1100 Ft/Lbs. 1/2 weight drilling 5K Good returns, Pump Gel 10 bbl. gel sweeps every 30 minutes Gel FR and Biocide. - After drilling thru plug at 8794 torque at 600 1/2 800 Ft/Lbs. pulling sticky 10 to 15K over worked tubing reciprocating 30 Feet and Circulating hole for 45 minutes torque went back to 600 for 15 minutes -Shut down for 4 minutes made connection and established rate 4 bbl. /Min and pressure 1655 psi pumped for 8 minutes a total of 31 BBLS- Good returns 4 BBL in and 4.5 BBL Out -continued back to into well 2K to 5K weight -Torque increased 600 to 1800 Ft/lbs. Pressure increased from 1655 to 4000 psi 1/2 Attempted to work tubing free pulling 90 K Max for 1 hr. due to limitations on Power Swivel. - Rig Down Power Swivel 1/2 RI Elevators and Baker Hard iron, Pumping into well at .75 BBL/Min 4000 psi 1/2 and working weight from 90 to 120K for 1+ hour -Returns at surface fluid small pieces of cement No Plug Parts 1/2 Increased rate to 4 BBB/MIN 7200 psi 1/2 Had to drop rate due to Pump truck over heating to 2.6 BBL/MIN 6300 psi. Returns were 1/4 bbl. Min 1/2 Pumped a total of 117 BBLS fluid. - Currently 2200 FT/Lbs. Torque on pipe attempting to free BHA -Stuck in Hole Max depth 8794 Feet 1/2 Perforations 8790 Feet 1/2 Casing Collar at 8793 Feet. Working tubing with power swivel torque 2200 Ft/Lbs. Pulling 70 1/2 90K no success - Shut down- Secure well - SWIFN - Rig down power swivel 1/2 hook back up iron and re pump on Iron Down tubing at 7100 psi 4 BBL Min 1/2 NO Returns -Rig down baker pump truck release from location-Pumped 231 BBLS attempting to Free Tubing 1/2 Fluid returned 45 BBLS

**Daily Cost:** \$0

**Cumulative Cost:** \$3,128,044

**6/14/2012 Day: 87**

**Completion**

Rigless on 6/14/2012 - WH 950 psi Bleed off - RIH WL Free Point - Chemical cut 8720 no good -Back off 8727 no good - Back off again at 8694 feet - - Secure well and location, SWIFN - Safety meeting. W/ Weatherford, Perforators, J&A, & MSPCS- Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & housekeeping. Day's operations - Casing pressure: 950 psi. Bleed down well in 1 minute. Flowed water & paraffin while bleeding down. No additional flow. Total 13 people on Location - Attempt to pump into hole 4000 psi on backside with no flow up tubing - Rig up perforators and RIH to Free Point Tubing 6025 100% Free 1/2 7600 100% Free 1/2 8694 100% Free 1/2 8734 80% free 1/2 POOH with Free Point Tools. - RIH WL Cutter Cut tubing 8720 -Pulling 60 K when cut 1/2 No movement on tubing 1/2 POOH with WL pulled 80K for 30 minutes attempted to gain circulation pumped 4000 psi down backside with no returns. - RIH with 160 Gram charge and attempt back off at 8727 feet 1/2 Miss fire

POOH - RIH with 160 Gram charge & Weight 45k -1100 lbs. line tension -Put 6 ½ left hand turns -Charge went off at 8727 Feet & Got back 6/2 turns & POOH with Tools- Collar was only 80 free point. - RIH with and Back off at next Collar 8694 feet- while attempting to tie into collars got stuck with WL- Got Unstuck pulled up to depth 8694 Ft shot- felt charge go off lost no torque pulled up and let down got total of 9 round backed off during 3 attempts. - POOH with WL and RD Wire line swivel & Attempt to pump into well to see if can get circulation and pull Heavy & Thinking got fill around Back off point & - were able to get pipe to move 6 ft. 2 feet when we backed off and 4 more feet while pulling with WL Tools & pumping down tubing pressure out at 4000 psi -No returns-Pulling 45K to 90K. Looks like we are backed off at 8694 feet & possible fill up back side of casing preventing us from pulling out of hole.

**Daily Cost:** \$0

**Cumulative Cost:** \$3,164,821

**6/15/2012 Day: 88**

**Completion**

Rigless on 6/15/2012 - RIH with WL Tag- Free Point-Back Off-Circulate hole-POOH lay down tubing - POOH with 2 3/8 tubing string -6500 feet & Lay down tubing BHA Left in Hole = (3 7/8 to 2 & Tapered Mill & 2 3/8 Pac X 1.06) - (Bit Sub 2 3/8 Reg X 2 3/8 Pac with dart valve and float X 1.99)-(X & Over Collar 2/38X 1.22) - ( 1 Joint 2/38 5.95 PH6 tubing X 30.94) -( R Nipple 2 3/8 -3.125 & OD x 1.25 & ID X .71 ) = 35.92 ( 8.5 Joints 2/38 5.95 PH 6 tubing X 258.08) BHA 4.98 Feet + 9.5 joints tubing 289.02 Feet -BHA 294 Feet - Secure Well and location, SWIFN. - Rig up perforators and RIH to Free Point Tubing 6000 100% Free & 8000 100% Free & 8500 95% Free & 8511 75% free & POOH with Free Point Tools. - Rig up perforators and RIH with weigh bar and tag at 8521 & Pull up to TOL 8277 feet and run back in and tag 3 more times & POOH with Tools - Safety meeting. W/, Perforators, J&A, & MSPCS- Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & housekeeping. Day's operations -Casing pressure: 50 psi. Tubing pressure 2900 -Bleed down well in 1 minute. Flowed water & paraffin while bleeding down. No additional flow. Total 12 people on Location - Reverse Circulate well down Casing out Tubing at 3 bbl. min 1300 psi & Circulate hole with packer fluid & Biocide and Corrosion inhibitor .Pumped 340 BBLs fresh water. - RIH WL Jet Cut tubing 8500 feet -Pulling 65 K when cut & 45K after Cut -POOH with WL While pulling out with WL pumping down tubing 1 bbl. min 500 psi good returns back to pit.

**Daily Cost:** \$0

**Cumulative Cost:** \$3,193,966

**6/16/2012 Day: 89**

**Completion**

Rigless on 6/16/2012 - POOH with tubing -Rig Down Snubbing Unit-RIH WL Set 2 cast iron bridge plugs -Rig down WH- Install 2 3/8 tubing hanger 1 joint X Nipple and Production tree - Secure Well head install pressure gauges & SWIFN - Land 2 3/8 Tubing hanger 1 joint 2 3/8 tubing and X nipple in well & Install Production Tree torque down and psi test 250 low 5 minutes and 10 K High test 10 Minutes - charted by weatherford. - RD WL lubricator and Pressure test and Chart with Weatherford testing unit to 3000 psi and hold for 10 minutes. Good test RD WL lubricator and Pressure test and Chart with Weatherford testing unit to 3000 psi and hold for 10 minutes. Good test - Rig Down 10K WH Well Head & UN Torque with weatherford & Load onto Trailer and released from location. - RIH WL perforators with 2nd Cast iron Bridge plug 7 inch Set at 8125 Ft WL LW 1550 pulled up 10 feet ran back and tagged plug POOH with WL - RD WL 4 ½ lubricator and Pressure test and Chart with Weatherford testing unit to 3000 psi and hold for 10 minutes. Good test - Safety meeting. W/ Perforators, J&A, & MSPCS- Discuss: hand safety, pinch points, FRC's, assembly points, smoking area, proper PPE & housekeeping. Day's operations -Casing pressure: 0 psi. Tubing pressure 0 - RIH with Mountain States WOR and Pull remaining 2000 Feet of 2 3/8 PH6 tubing OOH- Tubing on location 2 3/8 PH6 5.95 at start of Job 224 Joints = Good (409 Joints 12,680 Feet ) Bad ( 5 ½ Joints 170 Feet) Left in Hole ( 9 ½ joints 294Feet)- all remaining piper returned to

Runners - Rig Down Mountain States snubbing unit - Rig up perforators Pressure test  
Lubricator - RIH with 4 ½ Cast iron Bridge Plug at 8425 feet set plug WL LW 1300 pulled up  
10 feet ran back and tagged plug POOH with WL

**Daily Cost:** \$0

**Cumulative Cost:** \$3,260,933

**6/17/2012 Day: 90**

**Completion**

Rigless on 6/17/2012 - Rig down Location - Consolidated Fluids - Empty Pit - Move Equipment  
off location- Release all vendors from location - Safety meeting. W/ J&A, & RNI- Discuss: hand  
safety, pinch points, FRC's, assembly points, smoking area, proper PPE & housekeeping.  
Day's operations - Casing pressure: 0 psi. - ITL Consolidate Fluid and empty remaining fluid  
from Pit - RNI HydroVac Wash and clean out Flat tank full of paraffin- J&A Picking up Cement  
Blocks and iron from location. Load up weatherford valves and iron into Basket. Move  
Catwalks and pipe racks. Clean Fluids Not Used (Tank # 259150 500 BBL Ca Cl) 11.6- (Tank  
# 259155 480 BBL Na Cl #10 Brine)-(Tank # 258890 500 BBL Na Cl #10 Brine Dirty Fluid  
needs filtered-(Tank # FB6 450 BBL Ca Cl 11.2) & (Tank # ZT44 300 BBL Ca Cl 11.3)

**Daily Cost:** \$0

**Cumulative Cost:** \$3,269,378

**6/18/2012 Day: 91**

**Completion**

Rigless on 6/18/2012 - Move all equipment off Location - Tanks and fluid only thing remaining  
- 06/18/2012 GDR Brothers 7-23-2W On location finished with well & WH pressure 0 Select  
rental picked up light Plant & Forklift & and Man lift-\$7,894 Outback rentals picked up Pipe  
Racks-\$294 Rig moved all equipment to edge of location Rustin Picked up Iron Basket and  
Nabors work platform \$400 Heat waves cleaned off rig and Well Head- \$674 ITL Fluid \$ 1600  
All left on Location is 13 Tanks 8 Empty and 5 have fluid remaining 3 tanks 11.6 ca cl & 2  
tanks of 10# brine. Patterson rental strings String # 1 (2 3/8 PH6 5.95) Returned to PRS in  
Vernal 2 weeks ago to be tested \$77,496 String # 2 (2 3/8 PH6 5.95) Returned to Runners on  
sat 6/16/12- 15 Days 1886.79 day = \$28,302

**Daily Cost:** \$0

**Cumulative Cost:** \$3,390,806

**Pertinent Files: Go to File List**

~~Tubing on location 2 3/8 PH6 5.95 at start of Job 224 Joints = Good (400 Joints 12,680 Feet )  
Bad ( 5 1/2 Joints 170 Feet) Left in Hole ( 9 1/2 joints 294Feet)- all remaining piper returned to  
Runners - Rig Down Mountain States snubbing unit - Rig up perforators Pressure test  
Lubricator - RIH with 4 1/2 Cast Iron Bridge Plug at 8425 feet set plug WL LW 1300 pulled up  
10 feet ran back and tagged plug POOH with WL~~

~~**Daily Cost:** \$0~~

~~**Cumulative Cost:** \$3,260,933~~

~~**6/17/2012 Day: 90**~~

~~**Completion**~~

~~Rigless on 6/17/2012 - Rig down Location - Consolidated Fluids - Empty Pit - Move Equipment  
off location- Release all vendors from location - Safety meeting. W/ J&A, & RNI- Discuss: hand  
safety, pinch points, PRC's, assembly points, smoking area, proper PPE & housekeeping.  
Day's operations - Casing pressure: 0 psi. - ITL Consolidate Fluid and empty remaining fluid  
from Pit - RNI HydroVac Wash and clean out Flat tank full of paraffin- J&A Picking up Cement  
Blocks and iron from location. Load up well perforator valves and iron into Basket. Move  
Catwalks and pipe racks. Clean Fluids Not Used (Tank # 259150 500 BBL Ca Cl) 11.6- (Tank  
# 259155 480 BBL Na Cl #10 Brine)-(Tank # 258890 500 BBL Na Cl #10 Brine Dirty Fluid  
needs filtered-(Tank # F38 450 BBL Ca Cl 11.2) & (Tank # ZT44 300 BBL Ca Cl 11.3)~~

~~**Daily Cost:** \$0~~

~~**Cumulative Cost:** \$3,269,378~~

~~**6/18/2012 Day: 91**~~

~~**Completion**~~

~~Rigless on 6/18/2012 - Move all equipment off Location - Tanks and fluid only thing remaining  
- 06/18/2012 GDR Brothers 7-23-2W On location finished with well & WH pressure 0 Select  
rental picked up light Plant and lift & and Man lift-\$7,894 Outback rentals picked up Pipe  
Racks-\$294 Rig moved all equipment to edge of location Rustin Picked up Iron Basket and  
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Vernal 2 weeks ago to be tested \$77,496 String # 2 (2 3/8 PH6 5.95) Returned to Runners on  
sat 6/16/12- 18 Days 1886.79 day = \$28,302~~

~~**Daily Cost:** \$0~~

~~**Cumulative Cost:** \$3,390,806~~

~~**7/1/2012 Day: 92**~~

~~**Completion**~~

~~Rigless on 7/1/2012 - Enter final costs in DCR - Field cost adjustments for non-captured costs~~

~~**Daily Cost:** \$0~~

~~**Cumulative Cost:** \$3,409,271~~

~~**7/8/2012 Day: 93**~~

~~**Completion**~~

~~Rigless on 7/8/2012 - Enter final costs in DCR & SH - Cost adjustments in DCR for non-captured  
costs~~

~~**Daily Cost:** \$0~~

~~**Cumulative Cost:** \$3,457,490~~

~~**8/19/2012 Day: 95**~~

~~**Completion**~~

Rigless on 8/19/2012 - Cost adjustments in DCR - Cost adjustments in DCR

**Daily Cost:** \$0

**Cumulative Cost:** \$3,467,858

**9/2/2012 Day: 96**

**Completion**

Rigless on 9/2/2012 - Enter final costs in DCR - Enter final costs in DCR

**Daily Cost:** \$0

**Cumulative Cost:** \$3,482,226

**7/18/2012 Day: 1**

**Formation Testing**

Nabors #1406 on 7/18/2012 - Spot and Load 16 frac tanks with 7% KCL- Rig Up FlowBack-Unload Tubing- Rig Up Rig - 07/16/2012 Contact all up Vendors set up for Acid and Frac Jobs for Formation Evaluation On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy Contact All Vendors and order equipment for Job, Deliver Rain 4 Rent \$2400 Frac tanks \$120 Hr. x 20 Hrs. 16 Rain 4 Rent Frac Tanks \$1,200 Day including Flow Back + brine tanks = 24 tanks \$50 Day ITL Trucking \$16,800 Start Filling Tanks with Baroid 7% KCL \$66,526 2340 bbl. 20% kcl@ \$28.43 bbl. & All 16 Tanks Spotted for Job and Started filling Tanks, Select Rentals \$0000 Man lift, Light plants and Fork lift Delivered to Location, Rustin Mair \$1,050 Trucking Trash basket and porta potty Pipe racks del to location. - 07/17/12 On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy J&A \$3,890 flow back equipment arrived on location & Hook Up to Tanks, ITL still filling tanks with fluid, CTAP \$59,695 delivered 8589.14 -\$6.95 Foot 2 7/8 - 6.5 lb. tubing to Location-Rustin Mair Unload tubing. Multi-Chem \$712 Del 32 lbs. Biocide for 16 Frac tanks - 07/18/12 On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy Jessen Electric \$300 arrive on location ground flow back Tanks & J&A grease valves and Place blocks on Iron-Halliburton and Rain for Rent spot acid Poly Tank hook up acid pump truck- Nabors spot rig.

**Daily Cost:** \$0

**Cumulative Cost:** \$163,507

**7/19/2012 Day: 2**

**Formation Testing**

Nabors #1406 on 7/19/2012 - Rig Up Well head - Pressure test Well head - Load tubing onto pipe racks- RIH with wire line and RUN CCL GR log. - 20:00 & WH pressure 0 Pressure, secured Location SDFN 19:00 & WL out of Hole & Rig down from Rig 17:00 & Perforators Run CCL GR Log & POOH and Rig down WL Unit 16:00 & Rig up Flow Back to WH - Rig up Wire Line get ready to run in hole to Log well. - 16:00 & Rig up Flow Back to WH - Rig up Wire Line get ready to run in hole to Log well. 15:00 & Pull back pressure check Valve & Close HCR and test Casing to 8,000 psi for 30 minutes 13:00 - Test Blind & Pipe Rams & Valve choke kill outlets 250 psi low and 5000 psi high for 10 minutes- Had leaking tubing hanger had to replace back pressure valve & Re Test all tested OK -Halliburton on location Blending Acid - 12:00 & Well Head torqued getting ready to Pressure test unit arrived Pressure test WH Stack 10:00 - Zubiate Del Rig Floor & Catwalk EST \$600- Holt Hot-shot Del X Nipple and string float \$600 07:00 - Knight Oil Tool Delivered WH and accumulators- Rustin Mair install Dual check Valve & WH - On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy

**Daily Cost:** \$0**Cumulative Cost:** \$198,541**7/20/2012 Day: 3****Formation Testing**

Nabors #1406 on 7/20/2012 - RIH open ended tubing - Circulate 7.5% Acid - POOH stand back tubing -RIH and perforate Zone 1 - WH psi 0 & Nabors WOR RIH with 8,100 Feet 2 7/8 6.5 L-80 Tubing open ended to Circulate Hole - 17:00 Perforators Rig up Equipment -Pressure test Lubricator 5K 5 mins & Function Test Wire line Rams. 14:30 Nabors WOR POOH with Tubing Standing back tubing - 20:00 - WH pressure 0 Pressure, secured Location SDFN 19:00 - Stage 1 Perforated & POOH with Wire Line and Rig Down Wire Line 18:00 RIH WL Stage 1 6 - 3 1/8 OD Guns 22.7 gram Titan Charges 120 Deg Phasing at 3 SPF & (7455&-7459&)-(7469&-7473&)-(7484&-7488&)-(7541&-7545&)-(7614&-7618&)-(7650&-7654&)Short Joint 7406-7416 17:00 - Perforators Rig up Equipment -Pressure test Lubricator 5K 5 mins & Function Test Wire line Rams. - 14:30 Rig pump down casing Return acid back to surface thru Tubing pump 100 BBLs. 4 BPM 450 Psi 13:30 Halliburton psi test 6 K -Pump 24 BBL of 7.5 Acid 5 bpm -550 psi down tubing &Disp 50 BBL. 13:00 Hold 2nd safety meeting discuss Acid and Circulating well. 12:30 Nabors Rig up rig pump and pressure test Iron 5,000 psi 12:00 Nabors WOR on Bottom with Pipe 8100 Feet of 2 7/8 tubing - On Location Hold pre-job safety meeting,Nabors,Halliburton,J&A - review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point &line of fire, Spotting Backing policy, JSA , PPE for Acid Operations

**Daily Cost:** \$0**Cumulative Cost:** \$225,224**7/21/2012 Day: 4****Formation Testing**

Nabors #1406 on 7/21/2012 - RIG with halliburton PPI Tool -RIG up HES -Pressure test - Hold safety meeting -Set packer below perms - Tie into Short Joing with Halliburton Collar- Rig up halliburton - Hold safety meeting , pressure test Halliburton Iron to 9K- RIH and set Packe - Set High - Pick up 1 joing RIH again and hoild Solid test at 5K ,Pull up hole and attempt to set packer in bottom set of perms. - Not getting good results on subsequent packer integrity tests. Will re-seat packer in the morning (7/22) and re-verify packer is working properly. SWIFN - On Location Hold pre-job safety meeting,Nabors,Halliburton,J&A - review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point &line of fire, Spotting Backing policy, JSA , PPE for Acid Operations - Install HY-Drill &Had stripped bolts had to pull HY-drill and switch out bolts - Torque & pressure test HY-drill 250 low and 3000 high test for 10 minutes. - 12:00 - RIH with Halliburton PPI tool and Don Kauppi WL 2.31 XN nipple 2.205 NOGO (Otis style w/X equalizing Valve and R pump thru ball and seat) 10:30 - Build Halliburton PPI Tool BHA BHA = 23.42 (Collar locator OD&5.5 &ID&1.975)-(2 3/8 pup Joint OD&2.375 &ID# 1.995)- (Lower PPI Packer OD&5.75 &ID&1.875 )-( 3- 3.1 Ft. collars OD&3.7 &ID&1.875 )-(Upper PPI Packer OD&5.75 &ID& 2.56)-(8 Ft pup Joint OD&2.875-ID& 2.441 )- Standing Valve placed in Tool &(1 Jt 2 7/8 tubing X 32.40 )- ( XN Nipple W pump thru tubing plug)- 2 7/8 #6.5 L-80 Tubing to Surface- All made up 1850 Ft/lbs. Torque - 12:00 - RIH with Halliburton PPI tool and 2 7/8 tubing total EOT

**Daily Cost:** \$0**Cumulative Cost:** \$242,684**7/23/2012 Day: 5****Formation Testing**

Nabors #1406 on 7/23/2012 - RIH w/ HES PPI tool-tool failed. PU spare and RBIH and tested successfully. Completed 1st Stg of acid job-probable communication between perf intervals. Circulated well clean, re-tested tool and SWIFN - POOH to surface w/ HES PPI tool and 114

stands of 2 7/8" Tbg. On inspection HES PPI tool has lost one element completely on upper packer and one element on lower packer is eroded severely. - Set PPI Tool @ +/- 7722' to test packer integrity. BHA as follows: 5.50" Collar locator; 2 3/8" x 2' pup Joint; Lower PPI Packer; 3-2 7/8" x 3' blast joints; Upper PPI Packer; 8' x 2 7/8" pup Joint; Standing Valve in Tool; 1 Jt 2 7/8" tubing; 2 7/8" XN Nipple W pump thru tubing plug. Pumped @ 1 BPM and started circulating @ 1200 psig. HES PPI tool not working properly. Start POOH w/ TBG and tool. - Well dead. Release packer, PU and reset @ 7628' for pressure test to 5000 psig. Held for 5 minutes-good test. Release packer and PU additional single and SWIFN. - Attempt to bleed well down to 0 psig in order to open circulating ports on tool. Was able to bleed well down to +/- 400 psig on Tbg in order to open circulating ports on tool and circulate hole out clean. Circulate annular volume-241 BBL+ - Pumped 57 BBL of 15% HCL. St. Acid on Stage-Formation Break @ 3607 psig 2.5 BPM, Avg. Rate 3.5 BPM @ 3212 psig. Probable communication in perms-returns circulating back to pit from backside. Turned over to flowback and held +/- 1200 psig on backside. Finish Stage ISIP-2255 psig, 5 min-2324 psig, 10 min-2205 psig, 15 min-2096 psig. - Test HES iron to 9K-test OK. Test PPI to 5K and held for 5 minutes. Packer set @ 7660' w/ 20K compression. 238 JTS in w/ 17' above rig floor. Released packer and reset w/ 237 Jts in and 6' above rig floor. Packer set @ 7646'-7658' - Tagged Top collar on short joint @ 7406' but CCL failed to catch subsequent collar 10' down on short joint. PU 20' in attempt to re-tag top of short joint-no success. Decided to proceed w/ testing tool on bottom as per procedure. - On Loc. Hold JSA w/ emphasis on chemical hazards and pressure. Briefed all on days procedures - PU spare PPI tool and mate w/ existing CCL. Check function of tool on surface. BHA as follows: 5.50" Collar locator; 2 3/8 x 2' pup Joint; Lower PPI Packer; 3-2 7/8" x 3 ft blast joints; Upper PPI Packer; 8 x 2 7/8" Ft pup Joint; Standing Valve in Tool; 1 Jt 2 7/8 tubing; XN Nipple W pump thru tubing plug - RBIH w/ 230 JTS of 2 7/8" to tag short jt @ 7406' w/ HES CCL.

**Daily Cost:** \$0

**Cumulative Cost:** \$258,800

**7/24/2012 Day: 6**

**Formation Testing**

Nabors #1406 on 7/24/2012 - Set flow thru plug in tbg at 7,570'. Acidize stages 2-3 - Conduct PJSM, test HES lines to 6,000 psi. Start stage #3 acid job on 7,541'-45' interval. Pump 5 bbls 7% KCL water for break: 2,786 to 2,394 psi. Pump 1,500 gal of 15% FE Acid at 2.1 bpm w/2,340 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,060 psi. 5 min: 2,049 psi. 10 min: 2,031 psi. 15 min: 2,010 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #4 at 7,484'-88'. - SI well and secure. SDFN - SI well and secure. SDFN - Conduct PJSM, Csg has 900 psi. Bleed off and PU tbg and set PPI for stage #4 acid job. - Conduct PJSM, Csg has 900 psi. Bleed off and PU tbg and set PPI for stage #4 acid job. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #4 acid job on 7,484'-88' interval. Pump 5 bbls 7% KCL water for break: saw no break, but was pumping into. Pump 1,800 gal of 15% FE Acid at 2.2 bpm w/2,597 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,208 psi. 5 min: 2,097 psi. 10 min: 2,062 psi. 15 min: 2,030 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #5 at 7,469'-73'. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #4 acid job on 7,484'-88' interval. Pump 5 bbls 7% KCL water for break: saw no break, but was pumping into. Pump 1,800 gal of 15% FE Acid at 2.2 bpm w/2,597 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,208 psi. 5 min: 2,097 psi. 10 min: 2,062 psi. 15 min: 2,030 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #5 at 7,469'-73'. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #6 acid job on 7,455'-59' interval. Pump 5 bbls 7% KCL water for break: Did not see a break. Pump 1,200 gal of 15% FE Acid at 2.1 bpm w/2,687 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,341 psi. 5 min: 2,131 psi. 10 min: 2,072 psi. 15 min: 2,031 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for flow back. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #6 acid job on 7,455'-59' interval. Pump 5 bbls 7% KCL water for break: Did not see a break. Pump 1,200 gal of 15% FE Acid at 2.1 bpm w/2,687 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,341 psi. 5 min: 2,131 psi. 10 min: 2,072 psi. 15 min:

2,031 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for flow back. - Conduct PJSM, RU SL and RIH. Make two runs and retrieve the standing valve and string float out of tbg. - Conduct PJSM, RU SL and RIH. Make two runs and retrieve the standing valve and string float out of tbg. - Tbg SICP: 980 psi. OTT on 10/64 choke. 15:00 OTT on 10/64 with 550 psi. 16:00 OTT on 10/64 with 400 psi. 17:00 OTT on 10/64 with 175 psi. Total 6.5 bbls returned. 18:00 OTT on 10/64 with 150 psi. 14 bbls returned. - Tbg SICP: 980 psi. OTT on 10/64 choke. 15:00 OTT on 10/64 with 550 psi. 16:00 OTT on 10/64 with 400 psi. 17:00 OTT on 10/64 with 175 psi. Total 6.5 bbls returned. 18:00 OTT on 10/64 with 150 psi. 14 bbls returned. - Conduct PJSM, PU tbg and release port holes on PPI. Reverse circulate csg. Set tbg down and reclose ports. - Conduct PJSM, PU tbg and release port holes on PPI. Reverse circulate csg. Set tbg down and reclose ports. - SD and secure well. SDFN. - SD and secure well. SDFN. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #5 acid job on 7,469'-73' interval. Pump 5 bbls 7% KCL water for break: Did not see a break. Pump 2,400 gal of 15% FE Acid at 2.1 bpm w/2,767 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,386 psi. 5 min: 2,182 psi. 10 min: 2,108 psi. 15 min: 2,052 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #6 at 7,455'-59'. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #5 acid job on 7,469'-73' interval. Pump 5 bbls 7% KCL water for break: Did not see a break. Pump 2,400 gal of 15% FE Acid at 2.1 bpm w/2,767 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,386 psi. 5 min: 2,182 psi. 10 min: 2,108 psi. 15 min: 2,052 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #6 at 7,455'-59'. - Conduct PJSM. Prepare equipment for service. - Conduct PJSM. Prepare equipment for service. - Stand by for Kauppi SL equipment to arrive on location. Was due on loc at 07:00 - Stand by for Kauppi SL equipment to arrive on location. Was due on loc at 07:00 - Conduct PJSM, MIRU SL unit and RIH w/2.347" GR to 7,570'. POOH. PU and RIH w/ X-line running tool XN ball & seat plug set @ 7,570'. Could not set. POOH and PU new pump thru plug on X line tool. RIH and set at 7,570' in tbg. POOH and RD off tbg. - Conduct PJSM, MIRU SL unit and RIH w/2.347" GR to 7,570'. POOH. PU and RIH w/ X-line running tool XN ball & seat plug set @ 7,570'. Could not set. POOH and PU new pump thru plug on X line tool. RIH and set at 7,570' in tbg. POOH and RD off tbg. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #3 acid job on 7,541'-45' interval. Pump 5 bbls 7% KCL water for break: 2,786 to 2,394 psi. Pump 1,500 gal of 15% FE Acid at 2.1 bpm w/2,340 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,060 psi. 5 min: 2,049 psi. 10 min: 2,031 psi. 15 min: 2,010 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #4 at 7,484'-88'. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #2 acid job on 7,614'-18' interval. Pump 5 bbls 7% KCL water for break: 2,970 to 2,820 psi. Pump 2,400 gal of 15% FE Acid at 2.3 bpm w/2,550 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,125 psi. 5 min: 2,009 psi. 10 min: 1,978 psi. 15 min: 1,953 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #3 at 7,541'-45'. - Conduct PJSM, test HES lines to 6,000 psi. Start stage #2 acid job on 7,614'-18' interval. Pump 5 bbls 7% KCL water for break: 2,970 to 2,820 psi. Pump 2,400 gal of 15% FE Acid at 2.3 bpm w/2,550 psi. Over flush with 10 bbls 7% KCL. ISIP: 2,125 psi. 5 min: 2,009 psi. 10 min: 1,978 psi. 15 min: 1,953 psi. Equalize tbg and csg to release PPI. Bleed down annulus and PU to reset for stage #3 at 7,541'-45'.

**Daily Cost:** \$0

**Cumulative Cost:** \$274,093

**7/25/2012 Day: 8**

**Formation Testing**

Nabors #1406 on 7/25/2012 - Flow test well - Well is on 64/64 choke with 0 psi. Last hr returned: Not measurable. TLR today: 68.5 bbls. TLR: 89 bbls. Bleed csg down to 500 psi. SI well and secure. SDFN - Conduct PJSM, Took fluid sample and begin swabbing well. Made a total of 6 swab runs and returned a total of 34 bbls of water with medium oil in returns. At 18:00 end swab and flow test well. Tbg has 0 psi. - SITP: 700 psi. Open tbg on 20/64 choke with 11.5 bbls returned in first hr. Tbg pressure drop to 0 psi. From 08:00 to 16:00 hrs the tbg maintained 0 psi and range of 2-4 BPH. Total recovered up to 16:00 was 35 bbls of water

with trace oil. - Conduct PJSM, prepare equipment for service.

**Daily Cost:** \$0

**Cumulative Cost:** \$370,467

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**7/26/2012 Day: 9**

**Formation Testing**

Nabors #1406 on 7/26/2012 - Flow test well - Open tbg on 64/64 choke to tank. Gas in returns only. PU swab and make 1st run, fluid level at 100'. Made a total of 21 swab runs. SD due to the WOR swab line has to be repaired. Leave tbg OTT on 64/64 choke. TLR:173 bbls with oil/water mix with light gas after each swab run. - Continue to flow test well. Total recovered after swabbing (2.5 hrs): 0 bbls. TLTR: 754 bbls. Total oil: 32 bbls. Total water: 141 bbls. TLR:173 bbls. SITP: 0 SICP: 600 psi. Secure well and SDFN. - Conduct PJSM, prepare equipment for service. SITP: 350 psi. SICP: 450 psi.

**Daily Cost:** \$0

**Cumulative Cost:** \$385,020

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**7/27/2012 Day: 10**

**Formation Testing**

Nabors #1406 on 7/27/2012 - Flow test well. - Conduct PJSM, At 18:20 we made our first swab run. Fluid level was at 1,500' and pulled from 2,500' with 4 bbls of oil in swab returns and no gas. We made an additional run with a swab vol of 8 bbls. SITP: 0 psi. SICP: 400 psi. No flow to tank. Secure well and SI. SDFN. Totals after swabbing is 0 bbls water and 12 bbls of oil. Fluid level after last swab at 2,300'. TLTR: 619 bbls. Total oil: 44 bbls. Total water: 141 bbls. TLR: 185 bbls. LLTR: 434 bbls. - Conduct PJSM, Prepare equipment for service. - SITP: 250 psi. SICP: 500 psi. Open tbg to tank on 64/64 choke. Gas at tank and well blew down in 3 min. with all gas. We now have 0 psi on tbg with no flow and 450 psi on csg. Continue to monitor well while we have swab line repaired. - Swab line repair crew on location. MI and repair line.

**Daily Cost:** \$0

**Cumulative Cost:** \$399,015

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**7/28/2012 Day: 11**

**Formation Testing**

Nabors #1406 on 7/28/2012 - Flow test well - - Conduct PJSM, Prepare equipment for service. - Conduct PJSM, SITP: 210 psi. SICP: 400 psi. Open well to tank on 64/64 choke and bled well down to 0 psi with all gas. Made 1st swab run and tag fluid level at 200'. Swab from 1,800'. Swabed No fluid. Made 2nd run and found fluid level at 1,300' and pulled from 3,300'. Changed out swab rubber and continue to swab. - SD swab unit due to light lightning and change out oil saver rubbers on swab lube. Today's totals: Water-61 bbls, Oil-52 bbls. TLR: 294 bbls. Total water: 202 bbls, Total oil: 92 bbls. SITP: 0 psi. SICP: 900 psi. SD and secure well.

**Daily Cost:** \$0

**Cumulative Cost:** \$413,887

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**7/29/2012 Day: 12**

**Formation Testing**

Nabors #1406 on 7/29/2012 - Flow test well - Conduct PJSM, SITP: 500 psi. SICP: 500 psi. Open well to tank on 64/64 choke and bled well down to 0 psi with all gas. Made 1st swab run and tag fluid level at 2,800'. Swab from 4,800'. Swabed 1 bbl in returns. Made 2nd run and found fluid level at 3,300' and pulled from 5,500' with 17 bbls of oil returned. Continue to swab. Last swab run the fluid level at 5,500' and pulled from 7,000'. Today's totals--63 bbls of water, 36 bbls of oil for a total of 99 bbls. Well totals-- 265 bbls of water, 128 bbls of oil. Total fluid returned 394 bbls. - Secure well and SDFN. - Conduct PJSM, Prepare equipment for

service.

**Daily Cost:** \$0

**Cumulative Cost:** \$428,759

**7/30/2012 Day: 13**

**Formation Testing**

Nabors #1406 on 7/30/2012 - Flow test well - Conduct PJSM, SITP: 510 psi. SICP: 500 psi. Open well to tank on 64/64 choke and bled well down to 0 psi with all gas. Made 1st swab run and tag fluid level at 2,500'. Swab from 4,200'. Swabed 1 bbl in returns. Made 2nd run and found fluid level at 4,200' and pulled from 6,300' with 7 bbls of oil returned. Continue to swab. Ran out of fluid and spaced last runs to 1 hr intervals and the last run of the day with a 2 hr gap. Last swab run the fluid level at 6,300' and pulled from 7,000' with 10 bbls swabbed back. Today's totals--46 bbls of water, 22 bbls of oil for a total of 68 bbls. Well totals-- 311 bbls of water, 150 bbls of oil. Total fluid returned 460 bbls. - Conduct PJSM, Prepare equipment for service. - Secure well and SDFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$448,055

**7/31/2012 Day: 14**

**Formation Testing**

Nabors #1406 on 7/31/2012 - Flow test well - Secure well and SDFN. - Conduct PJSM, SITP: 400 psi. SICP: 500 psi. Open well to tank on 64/64 choke and bled well down to 0 psi with all gas. Made 1st swab run and tag fluid level at 4,800'. Swab from 6,800'. Swabbed 5 bbls of oil in returns. Made 2nd run and found fluid level at 3,600' and pulled from 5,600' with 5 bbls of oil returned. Continue to swab. Ran out of fluid and at 11:30 started spacing runs to 1 hr intervals with the last 2 runs of the day with a 2 hr spacing. Last swab run the fluid level at 6,300' and pulled from 7,000' with 2 bbls swabbed back. Today's totals--35 bbls of water, 17 bbls of oil for a total of 52 bbls. Well totals-- 346 bbls of water, 167 bbls of oil. Total fluid returned 512 bbls. - Conduct PJSM, Prepare equipment for service.

**Daily Cost:** \$0

**Cumulative Cost:** \$462,442

**8/1/2012 Day: 15**

**Formation Testing**

Nabors #1406 on 8/1/2012 - Pull tbg and lay down. RD WOR. - SI and secure well. RD WOR to MO in the a.m. - Conduct PJSM, Reverse circulate 300 bbls 7% KCL water to clean well. - Conduct PJSM, SITP: 400 psi. SICP: 500 psi. Bled down tbg (gas) and load with 7% KCL water. Wash down rig floor and BOP stack with hot oiler. PU and release PPI. - Conduct PJSM, Prepare equipment for service. - Conduct PJSM, Pull and lay down 2 7/8" tbg with PPI BHA.

**Daily Cost:** \$0

**Cumulative Cost:** \$479,320

**8/2/2012 Day: 16**

**Formation Testing**

Nabors #1406 on 8/2/2012 - RIH with Perforators wire line and HES 5.5" CIBP lost tools at 2,840' - Conduct PJSM, SICP: 0 psi. Open to tank. - Conduct PJSM, MIRU The perforators WLU. PU 7" cast iron EZ drill bridge plug. Test lube to 5,000 psi. All good. - Made decision to load hole and test to see if plug had preset are if we are hung up. Loaded hole with 50 bbls 7% water, as we got loaded we pulled out of the rope socket. We had 1,200# over string weight pulled into at the time. POOH with wire rope and left 1' x 1 11/16" OD cable head, 2' x 3 1/8" OD CCL, 8" x 1 7/8" OD quick change body, 6" x 3 1/8" OD quick change nut, 6' #20 setting tool 4" OD, 21.60" long setting sleeve 5.20" OD, 5.5" OD HES cast iron bridge plug

31.57" long left in hole. - The perforators WL repair and rehead - RIH with GR 6.02" JB, CCL set down at 2,840', pull out of hole MIRU pump truck, 1630 PM PJSM Riggged up pump truck, pressure tested 5,000 PSI, Loaded hole with 36 BBLs with centrifical pump caught pressure, started pumping at 2 bpm and worked pump up to 4 bpm, pumped 37 BBLs @ 4 BPM @ 1,659 PSI. Total pumped 73 BBLs. Shut down pump, 5 min 989 PSI, 10 min 802 PSI. Pressure continued to fall. 1830 PM RDMO perforators wire line and pump truck, well shut in and secured - Open well and RIH, found fluid level at 2,400', Continue in hole to 2,820' and stacked out. Cannot PU or RIH.

**Daily Cost:** \$0

**Cumulative Cost:** \$495,763

**8/3/2012 Day: 17**

**Formation Testing**

Nabors #1406 on 8/3/2012 - MIRU work over rig. NU and test BOP's - 0800 AM Western WSU changing transmission filters and will be in route to location ETA approx. 1100 AM 0945 AM Western rig is still having issues with transmission mechanic in route to rig, ETA on mechanic to rig 3 HRS and eta to GDR Bros est road time 3 hrs, total est time to location 1600 PM 1530 PM BOP pipe rams changed out and pressure tested 250 psi low 5 min, and 4,800 psi high 10 min. Will have to test annular, ETA on western WSU 30 MIN. 1615 PM MIRU Western WSU. - Finish RU. NU and test annular preventer to 300 psi for 5 minutes and 3000 psi for 10 minutes. Test OK. - PJSM with all crew members on location SICP 0 PSI.

**Daily Cost:** \$0

**Cumulative Cost:** \$533,960

**8/4/2012 Day: 18**

**Formation Testing**

Nabors #1406 on 8/4/2012 - LD fish. Drii CIBP - PU 4 11/16" OD x 1 3/4" ID x 3.03' overshot w/ 3 1/8" grapple, 4 11/16" OD x 3 5/8" ID x 3' extension, 3 7/8" OD x 1" ID x 1.10' x-over (2 3/8" PAC x 2 3/8" IF), 2 7/8" OD x 1 1/4" ID x 2.01' dual flapper back pressure valve, 3 7/8" OD x 1" ID x 1.17' x-over (2 3/8" IF x 2 3/8" PAC), 3 3/4" OD x 1 1/2" ID x 7.98' bumper sub, 3 3/4" x 1 1/2" ID x 9.26' jars, 4 - 3 3/8" OD x 1 1/2" ID D.C.'s, 3 3/4" OD x 1 1/2" ID x 8.29' intensifier, 3 1/2" OD x 1 3/4" ID x 1.11' x-over (2 3/8" IF x 2 3/8" PH6), 1 jt 2 3/8" PH6 tbg, and 2 7/8" OD x 1 3/4" ID x .97' R-nipple. - Set cat walk and pipe racks. Put tbg on racks. Tally tbg. - 1900PM Continue rotating and reverse circulating on CIBP, reverse circulating 3 bpm at 800 PSI. PU WT 16K, SO 16K, setting 4K down and drilling, Full returns with large cuttings. Plugged ports on bit 3 times is 1.5 hrs. Cleared ports by pmping down tbg. Reduced pump rate to 2 bpm. Made 2" (9" total) with 4 to 8 pts weight on bit. - 1100 AM Smith arrived with 6 1/8" bit, Pick up drillout BHA # 2 consisting of 6 1/8" OD x 1.0 Long with 3 - 15/16" ports Smith Bit, 4 1/4" OD x 2 1/4" ID x 2.15 long bit sub, 4 1/2" 3 3/8" OD x 1 1/2" ID drill collars, 3 1/2" OD x 1 3/4" ID x 1.10 long 2 3/8" PH-6 x 2 3/8" IF X-Over, 1 JT 2 3/8" PH-6 TBG, R-Nipple 1.71, and continue tih with TBG 1330 PM Tagged at 3,074' pick up lay down joint start picking up swivel, prepare to start rotating and drilling on CIBP 1515 PM Start rotating and reverse circulating on CIBP, reverse circulating 3 bpm at 800 PSI. return 3 BPM. PU WT 16K, SO 16K, setting 2K down and drilling, Continue drilling increasing weight with 6K down and rotating at 110 RPM, 1830 Continue rotating and reverse circulating on CIBP, reverse circulating 3 bpm at 800 PSI. return 3 BPM. PU WT 16K, SO 16K, setting 6K down and drilling, Currently getting small cutting back and made 7' - 0845 AM Call for 6 1/8" bit prepared to pick up drillout assembly, - 0700 AM Continue TOOHS slowly. 0845 AM Fishing BHA #1 at surface recovered cable head, ccl, quick change body, quick change nut, #20 setting tool, and setting sleeve, tools and fish laid down. - PU 90 jts 2 3/8" PH6 tbg. Tag and engage fish with overshot at 3043'. Could not go down with fish. Pulled 40 pts over string weight. Set off jars, pipe came free. TOOHS slowly.

**Daily Cost:** \$0

**Cumulative Cost:** \$573,281

**8/5/2012 Day: 19****Formation Testing**

Nabors #1406 on 8/5/2012 - Drill out CIBP at 3074'. Set CIBP at 7400' - TOOH. No wear on bit. PU 6 1/8" OD x 1 1/2" ID x 2' long five blade mill. TIH with 4 1/4" od x 2.1/2" ID x 2.15' long bit sub, 4-3 3/8" OD x 1 1/2" ID DC's, 3 31/2" OD x 1 3/4" ID x 1/10' long cross over(2 3/8" PH6 x 2 3/8"IF), 1 jt 2 3/8" PH6 tbg, 2 7/8" OD x 1 3/4" ID x .97' long r-nipple, and 91 jts 2 3/8" PH6 tbg. PU power swivel and jt #93. Establish reverse circulation at 3 bpm and 300 psi, full returns. Rotate on CIBP with 2-6 pts weight, 1000 ft/lbs torque. - Continue milling on CIBP with 2-6 pts weight, 1000 ft/lbs torque. Reverse circulate at 3 bpm and 300 psi, full returns. Made 3", rubber in returns. - Drilling on CIBP. Pump rate 2 bpm at 800 psi, full returns. 4 to 8 pts weight on bit. Torque dropped from 900 psi to 700 psi as bit quit drilling, no penetration in 2 hrs. LD jt #93. Hang swivel back. - - 0700 AM Continue Circulating 3 BPM @ 800 PSI, and rotating on CIBP setting 6K to 10k down on plug, PU WT 16K, drilling torque 1,600 to 2,500 psi, FS torque 400 psi. 0845 AM CIBP gave up, circulate 2 TBG volumes, continue to TIH chasing plug to 8,125' - 1315 PM Tagged @ 8,125' JT 255 with 10' out rig up swivel prepare to start circulating bottoms up and rotating, PU WT 47K, SO WT 42K 1615 PM Circulated 470 BBLs at 3.5 BPM at 1,500 PSI. recovered 395 BBLs. Returns clean, Lay down swivel start pulling out of hole standing back keeping hole full, PU WT 47K - 1615 PM pull out of hole standing back, keeping hole full PU WT 47K. LD 3 jts PH6 tbg, R-nipple, 4-3 3/8" DC's, bit sub, and 6 1/8" mill. - Spot in WL trk. RU WL BOP and lubricator. Test lubricator to 3000 psi for 5 minutes. RIH with 6.02" guage ring to 7444'. POH. LD guage ring. PU Halliburton EZ Drill 5 1/2" OD CIBP for 7" 26# csg. Pressure test lubricator to 3000 psi for 5 minutes. RIH and set CIBP at 7400'. Correlate to Perforators Gamma Ray CCL log dated 7/19/2012. POH.

**Daily Cost:** \$0**Cumulative Cost:** \$634,168**8/6/2012 Day: 20****Formation Testing**

Nabors #1406 on 8/6/2012 - LD WS. ND BOP's. NU frack stack. RD WSU. Perforate. Pump DFIT. - Spot in WL trk. RU WL BOP and lubricator. Test lubricator to 4000 psi for 10 minutes, OK. RIH with 3 1/8" perf gun. Shoot 3 SPF, 120 degree phasing, 22.7 gram Titan charges from 7122' to 7124' (2'). Correlated to Halliburton open hole log dated 1/24/12. POH, Verified all shots fired. RD lubricator, WL BOP, and WL trk. - Install Data Traps. Well pressure was 26.5 psig 45 minutes after perforating. Pump 6 bbl 7% KCl wtr. Formation broke down at 3720 psi. Pmp 10 bbl at 5.2 bpm, pressure 3400 psi. Pump 10 bbl at 5.2 bpm, pressure 3300 psi (ttl 20 bbl water pumped after breakdown). ISIP 3010 psi. 5 min SIP 1597 psi. 10 min SIP 1499 psi. 20 min SIP 1385 psi. 30 min SIP 1313 psi. 40 min SIP 1262 psi. 50 min SIP 1222 psi. 1 hr SIP 1190 psi. SWI. RD pump trk. Secure well, location, and equipment. SDFN. - 1700 PM MIRU HES Pump, test line to 9,000 psi. Prepare to pressure test CSG to 8,000 psi. 1800 PM Pressure test csg to 8,000 psi. OK. - 1130 AM Start RDMO Knight BOP stack and WSU, Prepare to MIRU FMC frac stack, Pressure test frac stack 250 psi low and 9,800 psi high, Test good. - Continue to TOOH laying down TBG 1130 AM TBG at surface all laid down, start RDMO Knight BOP stack and WSU, Prepare to MIRU FMC frac stack - TIH with 75 stands 2 3/8" tbg. LD tbg. - Dump bail 5 sx cement on CIBP with WL trk. RD lubricator and WL trk.

**Daily Cost:** \$0**Cumulative Cost:** \$678,331**8/7/2012 Day: 21****Formation Testing**

Nabors #1406 on 8/7/2012 - clean location - Clean location.

**Daily Cost:** \$0

**Cumulative Cost:** \$681,607

**8/16/2012 Day: 22**

**Formation Testing**

Nabors #1406 on 8/16/2012 - DFIT - Continue to DFIT well.

**Daily Cost:** \$0

**Cumulative Cost:** \$697,517

**8/17/2012 Day: 23**

**Formation Testing**

on 8/17/2012 - Perforate the Upper green river interval - Well is SI and secured. SDFN - Stand by for well activity. - Conduct PJSM, MIRU The Perforators WLU, BOP's, lube and Weatherford test unit. - Test lubricator to 5,000 psi for 10 minutes, OK. RIH with 3 1/8" perf gun. Shoot 3 SPF, 120 degree phasing, 22.7 gram Titan charges from 7,154'-56', 7,082'-86', 7,022'-23', 7,014'-16', 7,009'-10'. Correlated to Halliburton open hole log dated 1/24/12. POOH, Verified all shots fired. RD lubricator, WL BOP, WLU and test unit. - Conduct PJSM, MIRU HES Hydraulic Frac equipment.

**Daily Cost:** \$0

**Cumulative Cost:** \$716,277

**8/18/2012 Day: 24**

**Formation Testing**

on 8/18/2012 - Treat te Upper green River Interval. - Conduct PJSM, Continue to RU equipment and prepare for service. - Location Safety Mtg. Prime pumps and test lines to 9,500 psi, OK. Frac the Upper Green River stage 1 first attempt as follows: Break down 4.5 bpm @ 2,725 psi. Avg rate: 25.8 bpm, Avg press: 6,688 psi, Max rate: 53.5 bpm, Max press: 7,809 psi., Well was not pumped as per design. 1. Initially able to get up to 54bpm @ 7200psi, but had to work rate down to stay under max pressure. 2. Had to work rate down to 30 bpm before Acid reached perfs. Able to work rate up to 52 bpm after acid reached perfs. 3. Continually had to work rate down during the 0.5 ppg SW sand stage, cut prop when rate dropped from 30 to 15 bpm. 4. Able to flush well completely and tried to work rate back up - rate as low as 4.5 bpm. 5. Worked rate up to 14.5 bpm when pressure increased to 7800psi, shut down job to re-evaluate. Placed approx 5,000 lbs of 20/40 sand. - Decision made to reload tanks, bring out additional Acid & bio balls and attempt to pump in to job in the A.M.

**Daily Cost:** \$0

**Cumulative Cost:** \$723,597

**8/19/2012 Day: 25**

**Formation Testing**

on 8/19/2012 - Treat the Upper Green River Interval - Conduct PJSM, Started the Frac at 14:00. Completed at 15:30. The Acid and ball out went really well as follows: Seen some ball action from 4,090 psi up to 4,830 psi, tried to level out then balls hit again with another small increase. Then the big break from 4,830 down to 2,350 psi at end of displacement. All at 10 bpm. We Surged well twice and let Bio balls fall before resuming main body of job. Started main Frac and Worked rate up slowly and were able to bring rate up to 73 bpm by the 0.5ppg sand stage. Had to reduce rate to 65bpm, let GelPro catch on the Hydration tank. Able to bring rate back and finish at 72bpm. Did not see any unusual pressure increases during job and had no problems placing job completely as follows: Location Safety Mtg. Prime pumps and test lines to 9,500 psi, OK. Frac Upper Green River stage 1 as follows: Break down 9.8 bpm @ 3,336 psi. Avg rate: 70.4 bpm, Avg press: 3,414 psi, Max rate: 73.5 Max press: 4,265 Psi. FG.0.73, ISIP: 2,107 PSI, 5 MIN: 2,013 PSI, 10 MIN: 1,958 PSI, 15 MIN: 1,914 PSI. Total 20/40: 219,640 lbs, Gal acid 5,000, Avg HHP: 5,890. Total load to recover 5,505 bbls. -

Conduct PJSM, RIH with a 4.82 $\bar{z}$  GR and JB to 7,240 $\bar{z}$ . The bottom perf depth is at 7,156 $\bar{z}$ . All clear and we are POOH now to prepare for acid and balls. - Conduct PJSM, HES on location and prepare equipment for service. All 7% KCL fluid has been replaced on location. Pure Energy WL is on location and in process of RU now for GR run. - Conduct PJSM, HES and Pure Energy WLU RDMO. - Conduct PJSM, SICP: 1,650 psi. Flow control open well on 6/64 choke to tank and flow over night. Well is secured and monitored.

**Daily Cost:** \$0

**Cumulative Cost:** \$954,689

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**8/20/2012 Day: 26**

**Formation Testing**

on 8/20/2012 - Flow test well - - Continue to flow test well. Last 24 hrs as follows: Csg press: 1,150 psi., TLTR: 5,505 bbls, TLR: 247 bbls, LLTR: 5,257 bbls, RLH: 7 bbls, Choke: 6-8/64th.

**Daily Cost:** \$0

**Cumulative Cost:** \$965,126

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**8/21/2012 Day: 27**

**Formation Testing**

on 8/21/2012 - Flow test well - Continue to flow test well. Last 24 hrs as follows: Csg press: 675 psi., TLTR: 5,505 bbls, TLR: 646 bbls, LLTR: 4,858 bbls, RLH: 11 bbls, Choke: 10/64th.

**Daily Cost:** \$0

**Cumulative Cost:** \$977,720

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**8/22/2012 Day: 28**

**Formation Testing**

on 8/22/2012 - Flow test well - Continue to flow test well. Last 24 hrs as follows: Csg press: 355 psi., TLTR: 5,505 bbls, TLR: 1,089 bbls, LLTR: 4,415 bbls, RLH: 15 bbls, Choke: 12/64th. Trace to light oil.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,002,109

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**8/23/2012 Day: 29**

**Formation Testing**

on 8/23/2012 - Flow test well - Continue to flow test well. Last 24 hrs as follows: Csg press: 195 psi., TLTR: 5,505 bbls, TLR: 1,381 bbls, LLTR: 4,115 bbls, RLH: 8 bbls, Choke: 16/64th. Trace to light oil.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,013,712

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**8/24/2012 Day: 30**

**Formation Testing**

on 8/24/2012 - Flow test well - Continue to flow test well. Last 24 hrs as follows: Csg press: 40 psi., TLTR: 5,505 bbls, TLR: 1,708 bbls, LLTR: 3,796 bbls, RLH: 13 bbls, Choke: 20/64th. Trace to light oil.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,066,896

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**8/25/2012 Day: 31**

**Formation Testing**

on 8/25/2012 - Flow test well - Continue to flow test well. Last 24 hrs as follows: Csg press:

35 psi., TLTR: 5,505 bbls, TLR: 2,008 bbls, LLTR: 3,496 bbls, RLH: 12 bbls, Choke: 20/64th.  
Total %: 36.6, Trace to light oil.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,079,450

**8/26/2012 Day: 32**

**Formation Testing**

on 8/26/2012 - Flow test well - Continue to flow test well. Last 24 hrs as follows: Csg press:  
25 psi., TLTR: 5,505 bbls, TLR: 2,201 bbls, LLTR: 3,303 bbls, RLH: 8 bbls, Choke: 20/64th.  
Total %: 40, light oil.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,090,851

**8/27/2012 Day: 33**

**Formation Testing**

Nabors #1416 on 8/27/2012 - Flow test well. Move in & RU abors Rig #1416 - 16:30 ∩ RUBOP 5K stack. 10K to 5K adaptor spool, double gate 5K BOP w/ blind rams in lower gate & 2 7/8∩ pipe rams in upper gate, single gate BOP w/ 2 3/8∩ pipe rams, 5K annular BOP. Torque & pressure test blinds, 2 7/8∩ pipe rams to 250 psi low for 5 minutes & 5000 psi high for 10 minutes. Put production tubing on pipe racks. RU rig floor, handrails, power tongs & slips. Change handling tools from 2 3/8∩ to 2 7/8∩. Continue to flow test well. 13:00 ∩ Shut HCR valve. Open upper & lower master valves. Open valves on flowcross & bleed down pressure. RD master valves & flowcross. Continue to flow test well. - 19:30 ∩ Rig crew off location. Continue to flow test well thru casing valves. 19:15 ∩ Will change door seals and finish pressure test in AM. Shut down for the night due to darkness. Close & lock blind rams. Secure well, equipment & location. SDFN. Continue to flow test well thru casing valves. 18:30 - Pressure test blinds to 250 psi low for 5 minutes & 5000 psi high for 10 minutes. Good test. Released pressure & blind rams door seals started leaking. Continue to flow test well thru casing valves. - 07:30 - Move Nabors rig #1416 & associated equipment to location. RU same. Move flowback line from Frac stack to casing production valves. Continue to flow test well thru casing valves. 06:00 - Continue to flow test well.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,112,155

**8/28/2012 Day: 34**

**Recompletion**

Nabors #1416 on 8/28/2012 - Continue to flow test well thru casing valves. PT BOP stack. PU tubing. C/O to PBTD. - 11:00 ∩ OOH w/ SL. RD & release Delsco Slickline. Remove SL adaptor flange. 10:15 ∩ Open HCR valve. RIH w/ 1.25∩ gauge ring. Tag @ 7215∩. POOH w/ SL. FCP: 3 psi @ 4 bwph on 48/64 choke. - 09:30 ∩ Spot & RU Delsco Slickline. Pressure test lubricator to 1500 psi for 5 minutes. Release pressure. 08:45 ∩ Unlock & open blind rams. Install test mandril , close & lock 2 7/8∩ tubing rams. Pressure test 2 7/8∩ pipe rams to 250 psi low for 5 minutes & 5000 psi high for 10 minutes. Good test. Released pressure. Back off lock in pins on pipe rams 1/2 turn each. Open pipe rams against lock in pins. Pressure test Annular BOP to 250 psi low for 5 minutes & 2500 psi high for 10 minutes. Good test. Released pressure. 08:15 ∩ Close & lock blind rams. Pressure test blinds to 250 psi low for 5 minutes & 5000 psi high for 10 minutes. Good test. Released pressure. - 07:00 - FCP: 8 psi @ 6 BWPH. Drain BOP stack. Weatherford BOP specialist open blind rams doors & change door seal rubbers. 06:30 ∩ On Location Hold pre-job safety meeting: Nabors, J&A, Weatherford, BMW Hotoil Service & RMT. Discuss: work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans, FRC policy, pinch point, line of fire, JSA , PPE. - Continue to flow test well w/ J&A flowback crew. - 19:00 ∩ Rig crew off location. Continue to flow test well w/ J&A flowback crew. 18:30 ∩ 212 jts of 2 7/8∩, 6.5#, L80, 8rd, EUE tubing in hole (6859∩). Install & close

TIW valve w/ night cap. Close & lock pipe rams. Secure well, equipment & location. Change returns from reserve pit to flowback tank on 1 $\frac{1}{2}$  full open choke. No pressure. No flow. 14:15  $\dot{\iota}$  SD pump. Disconnect kellyhose. Continue to PU 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing. - 13:45  $\dot{\iota}$  RU pump discharge to standpipe & RU Kelly hose. Flush tubing w/ 15 bbls of produced water to cleanup returns. 12:00 - PU 6 $\dot{\iota}$  Roller cone bit, 6 $\dot{\iota}$  x 2.29 $\dot{\iota}$  casing scraper, 3.75 $\dot{\iota}$  OD x 1.25 $\dot{\iota}$  long bit sub & 2 jts 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing, 1.1 $\dot{\iota}$  x 2 7/8 $\dot{\iota}$  marker nipple, 40 jts 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing. 11:15  $\dot{\iota}$  Adjust catwalk to PU tubing. Update JSA to present operations. Open well to 1 $\dot{\iota}$  full open choke. FCP: 0 psi w/ no flow.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,133,920

**8/29/2012 Day: 35**

**Recompletion**

Nabors #1416 on 8/29/2012 - Tag & C/O fill. POOH w/ tubing. - Continue to flow test well w/ J&A flowback crew. - 18:30  $\dot{\iota}$  Rig crew off location. Continue to flow test well w/ J&A flowback crew. 18:00 - Install & close TIW valve w/ night cap. Close & lock pipe rams. Secure well, equipment & location. Rig crew SDFN. Flow well to flowback tank on 1 $\dot{\iota}$  choke. 96 joints in well. 164 joints in derrick. EOT @ 3073 $\dot{\iota}$ . 17:00  $\dot{\iota}$  POOH standing back tubing in derrick. - 16:30  $\dot{\iota}$  SD rig pump. RD power swivel. LD 6 jts of tubing. 16:00  $\dot{\iota}$  SD rig pump. Change to pump down tubing to kill tubing. Pump 30 bbls of 11.3# CaCl<sub>2</sub> water down tubing. - 15:15  $\dot{\iota}$  C/O to 7365 $\dot{\iota}$ . Tag PBTD. Pull up 10 $\dot{\iota}$  & circulate tubing volume bottoms up twice @ 2.5 bpm & 300 psi. 09:00  $\dot{\iota}$  C/O fill light to medium sand. Light gas returns. Well flowing. Reverse circulating w/ 7% KCL water @ 2.5 bpm & 350 psi. - 08:45  $\dot{\iota}$  Establish reverse circulation @ 3.75 bpm w/ 7 % KCL water & 300 psi. - 08:15  $\dot{\iota}$  Tag fill w/ joint #223 w/8 $\dot{\iota}$  out @ 7203 $\dot{\iota}$ . Spot & RU Basic SK-90 power swivel. 07:30  $\dot{\iota}$  SD pump. Unhook kellyhose. PU 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing. - 07:00 - FCP: 4 psi @ 8 BWPH. SITP: 230 psi. Hookup kellyhose. Pump 45 bbls 7% kcl water down tubing to kill tubing. Returned 41 bbls to flowback tank. Casing flowing @ 0 psi & 2 bph returns (surging). 06:30  $\dot{\iota}$  On Location Hold pre-job safety meeting: Nabors, J&A, Energy Consulting, BMW Hotoil Service & RMT. Discuss: work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans, FRC policy, pinch point, line of fire, JSA , PPE, & days operations.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,191,255

**8/30/2012 Day: 36**

**Recompletion**

Nabors #1416 on 8/30/2012 - Run production tubing. PU rods. - 11:30  $\dot{\iota}$  Test set tubing anchor. Land tubing. RD power tongs, slips & rig floor. Wash off BOP stack w/ hotoiler. 08:30  $\dot{\iota}$  PU 2 7/8 $\dot{\iota}$  bull plug (@ 7274.13 $\dot{\iota}$ ), 2 jts of 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing, 1 ea  $\dot{\iota}$  2 7/8 $\dot{\iota}$  Cavins desander (18.20 $\dot{\iota}$ ), 4 $\dot{\iota}$  X 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing pup joint, Seating Nipple (2.25 $\dot{\iota}$  ID) set @ 7186 $\dot{\iota}$ , 1 jt - 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing, 2 7/8 $\dot{\iota}$  X 7 $\dot{\iota}$  CDI tubing anchor (set @ 7153.21 $\dot{\iota}$ ) . RIH w/ 221 jts of 2 7/8 $\dot{\iota}$ , 6.5#, L80, 8rd, EUE tubing. 07:30  $\dot{\iota}$  POOH from 3073 $\dot{\iota}$ . All tools out of hole. LD bit & casing scraper. All parts on scrapper are intact. - 13:15 - NU B1 adaptor. RU to run rods. Wash off well head. Cleanout cellar. 12:45  $\dot{\iota}$  Unseat tubing hanger & remove. Slackoff & set tubing anchor. Reland tubing. 12:00  $\dot{\iota}$  NDBOP stack & HCR valve. - 15:30  $\dot{\iota}$  Well pressured to 400 psi. Pump 40 bbls 11.3# CaCl<sub>2</sub> to kill tubing. 14:00  $\dot{\iota}$  Flush tubing w/ 65 bbls water heated to 1500 @ 1.25 bpm & 300 psi. - 18:30 - Secure well, equipment & location. Rig crew SDFN. Flow well to flowback tank on 1 $\dot{\iota}$  choke. 17:30  $\dot{\iota}$  SD for rig repairs. Nut backed off Rig blocks. Install polished rod & radigan. Close & lock radigan shut. Flow well to flowback tanks on 64/64 $\dot{\iota}$  choke. Rig repaired @ 18:15 hrs. 16:15  $\dot{\iota}$  PU rod pump & prime w/ diesel. Good pump action. PU rods & run as follows: 1 ea  $\dot{\iota}$  2 1/2 $\dot{\iota}$  X 2 $\dot{\iota}$  X 24 $\dot{\iota}$  RHBC pump, 36 ea  $\dot{\iota}$  1 $\dot{\iota}$  Tenaris D78, 4 guides per rod, 14 ea - Tenaris D78, 4 guides per rod. - 07:00  $\dot{\iota}$  FCP: 10 psi & 4 bph. SITP: 30 psi. Pump 20 bbls 11.3# CaCl<sub>2</sub> water to kill well. 06:30  $\dot{\iota}$  On Location Hold pre-job safety meeting: Nabors, J&A, Energy Consulting,

BMW Hotoil Service & RMT. Discuss: work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans, FRC policy, pinch point, line of fire, JSA , PPE, & days operations.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,224,742

**8/31/2012 Day: 37**

**Recompletion**

Nabors #1416 on 8/31/2012 - Run rods. Spaceout rods & hangoff. RDMOSU. - 06:30 √ On Location Hold pre-job safety meeting: Nabors, J&A, Energy Consulting, BMW Hotoil Service & RMT. Discuss: work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans, FRC policy, pinch point, line of fire, JSA , PPE, & days operations. - 10:45 √ Load tubing w/ 5 bbls water. Stroke test pump to 800 psi. Good test. Shut well in w/ 800 psi on tubing. 10:30 √ Space out rods & pump. Hangoff rods w/ light tag & pull up 2√. Rod string consists of: 1 ea √ 2 1/2√ X 2√ X 24√ RHBC pump, 36 ea √ 1√ Tenaris D78 4 per 2 7/8√ rods, 135 ea √ 3/4√ Tenaris D78 4 per 2 7/8√ rods, 113 ea √ 7/8√ Tenaris D78 4 per 2 7/8√ rods, 1 ea √ 7/8√ X 6√ Tenaris D78 4 per 2 7/8√ pony rod, 1 ea - 7/8√ X 4√ Tenaris D78 4 per 2 7/8√ pony rod, 1 ea - 7/8√ Tenaris D78 4 per 2 7/8√ rod & 1 ea √ 1 1/2√ X 30√ polish rod. 10:15 √ Tag Seating nipple w/ pump. RD rod tongs, rod table & rig floor. 07:30 √ PU rods. 07:00 √ FCP: 5 psi & 4 bph. SITP: 0 psi. Open casing to 2√ flowline to flowback tanks. Unlock & open radigan. LD polish rod. - 13:00 - Rig off location & released @ 13:00 hrs. Final report for rig. TUBING SHUT IN W/ 800 PSI. 11:00 √ RDSU & MO. Roustabouts start building pad for pump jack.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,239,422

**9/2/2012 Day: 38**

**Recompletion**

Nabors #1416 on 9/2/2012 - Enter final costs in DCR - Enter final costs in DCR

**Daily Cost:** \$0

**Cumulative Cost:** \$1,240,122

**9/5/2012 Day: 39**

**Recompletion**

Nabors #1416 on 9/5/2012 - Build pad & set PU. RUWH. Run electrical. PWOP @ 4:30 pm w/ 144" SL & 6 SPM. Final report. - Build pad & set PU. RUWH. Run electrical. PWOP @ 4:30 pm w/ 144" SL & 6 SPM. Final report.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,459,972

**9/17/2012 Day: 40**

**Recompletion**

Rigless on 9/17/2012 - Capture Final Costs in DWR - Capture Final Costs in DWR

**Daily Cost:** \$0

**Cumulative Cost:** \$1,489,082

**9/30/2012 Day: 41**

**Recompletion**

Rigless on 9/30/2012 - Enter final costs in DWR - Enter final costs in DWR

**Daily Cost:** \$0

**Cumulative Cost:** \$1,515,902



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
		<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> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> GDR BROTHERS 7-2-3-2W
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43013509540000
<b>PHONE NUMBER:</b> 303 382-4443 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NORTH MYTON BENCH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1509 FNL 1582 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 02 Township: 03.0S Range: 02.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

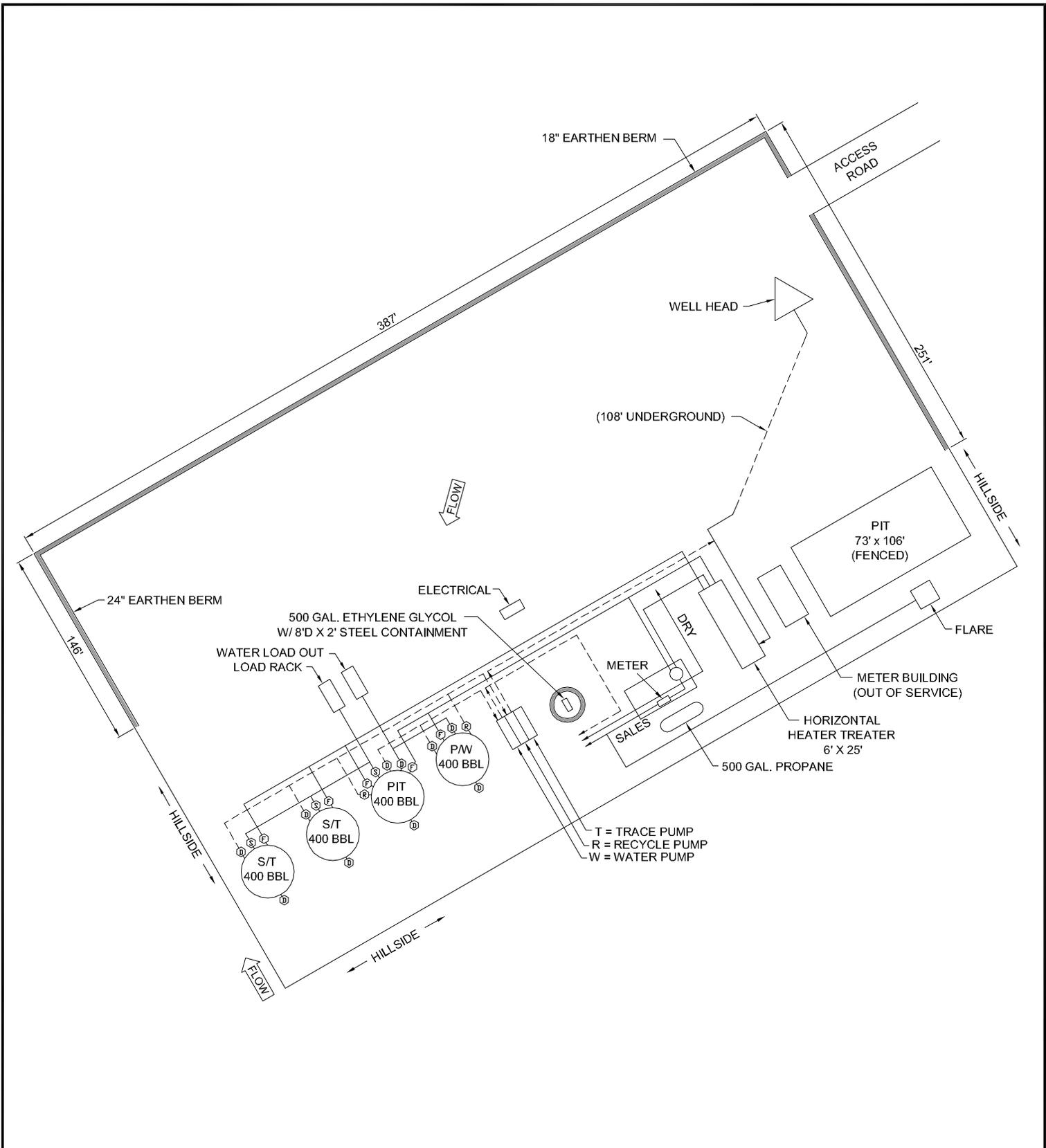
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/25/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Site Facility/Site Security"/>

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

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
August 02, 2013**

<b>NAME (PLEASE PRINT)</b> Jill L Loyle	<b>PHONE NUMBER</b> 303 383-4135	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/25/2013	



POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Open	No
O	Overflow	Open/Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Open/Closed	No
S	Sales	Closed	Yes

Valve Type	
D	Drain Valve
F	Flow Valve
O	Overflow
V	Vent
R	Recycle
B	Blow Down
S	Sales Valve

Federal Lease #:  
API #: 4301350954

This lease is subject to the  
Site Security Plan for:  
Newfield Exploration Company  
19 East Pine Street  
Pinedale, WY 82941



**GDR BROTHERS 7-2-3-2W**

Newfield Exploration Company  
SWNE Sec 2, T3S, R2W  
Duchesne County, UT

POSITION OF VALVES AND USE OF SEALS DURING SALES			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Closed	Yes
O	Overflow	Closed	Yes
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Open	No

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Open	No
F	Oil, Gas, Water	Closed	No
O	Overflow	Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Closed	Yes

M.G.

AUG 2012



Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.