

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Ute Tribal 4A-18-3-3WH				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-6388			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Elroy T and Marie Hoover (Gerald)						14. SURFACE OWNER PHONE (if box 12 = 'fee') 818-575-2226				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 2274 Sirius St, Thousand Oaks, CA 91360						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		357 FNL 920 FWL		NWNW	18	3.0 S	3.0 W	U		
Top of Uppermost Producing Zone		660 FNL 710 FWL		NWNW	18	3.0 S	3.0 W	U		
At Total Depth		660 FSL 710 FWL		SWSW	18	3.0 S	3.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 357			23. NUMBER OF ACRES IN DRILLING UNIT 40				
27. ELEVATION - GROUND LEVEL 5507			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 30			26. PROPOSED DEPTH MD: 13934 TVD: 9520				
28. BOND NUMBER RLB00100473			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478							
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	24	20	0 - 60	110.0	Unknown	0.0	Class G	57	1.17	15.8
SURF	17.5	13.375	0 - 1000	54.5	J-55 ST&C	8.3	Type III	120	3.33	11.0
							Type III	210	1.9	13.0
I1	12.25	9.625	0 - 6000	40.0	J-55 Buttress	9.0	35/65 Poz	510	3.53	11.0
							50/50 Poz	279	1.29	14.0
PROD	8.75	7	0 - 10045	26.0	P-110 Other	13.0	35/65 Poz	283	3.53	11.0
							50/50 Poz	438	1.29	14.0
L1	6.125	4.5	9133 - 13934	13.5	P-110 Other	13.0	50/50 Poz	416	1.25	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Don Hamilton				TITLE Permitting Agent				PHONE 435 719-2018		
SIGNATURE				DATE 10/23/2012				EMAIL starpoint@etv.net		
API NUMBER ASSIGNED 43013518020000				APPROVAL  Permit Manager						

Newfield Production Company**4A-18-3-3WH****Surface Hole Location: 357' FNL, 920' FWL, Section 18, T3S, R3W****Bottom Hole Location: 660' FSL, 710' FWL, Section 18, T3S, R3W****Duchesne County, UT****Drilling Program****1. Formation Tops**

Uinta	surface		
Green River	3,860'		
Garden Gulch member	6,780'		
Wasatch	9,275'		
Lateral TD	9,520'	TVD /	13,934' MD

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

Base of moderately saline	994'		(water)
Green River	6,780'	- 9,275'	(oil)
Wasatch	9,275'	- 9,520'	(oil)

3. Pressure Control

<u>Section</u>	<u>BOP Description</u>
Surface	No control
Intermediate	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 2M system.
Prod/Prod Liner	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 (TVD/MD)							Burst	Collapse	Tension
Conductor 20	0'	60'	--	--	Weld	--	--	--	--	--	--
									--	--	--
Surface 13 3/8	0'	1,000'	54.5	J-55	STC	8.33	8.33	12	2,730	1,130	514,000
									4.87	3.55	9.43
Intermediate 9 5/8	0'	6,000'	40	J-55	BTC	8.5	9	15	3,950	2,570	630,000
									1.20	1.16	2.63
Production 7	0'	9,714' 10,045'	26	P-110	BTC	12.5	13	15	9,960	6,210	830,000
									1.86	1.11	3.18
Production Liner 4 1/2	9,133'	9,520' 13,934'	13.5	P-110	BTC	12.5	13	--	12,410	10,670	422,000
									2.37	1.95	6.51

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 ³	OH excess	Weight (ppg)	Yield (ft ³ /sk)
				sacks			
Conductor	24	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	66	15%	15.8	1.17
				57			
Surface Lead	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	11.0	3.33
				120			
Surface Tail	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	13.0	1.9
				210			
Intermediate Lead	12 1/4	5,000'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	1801	15%	11.0	3.53
				510			
Intermediate Tail	12 1/4	1,000'	50/50 Poz/Class G + 1% bentonite	360	15%	14.0	1.29
				279			
Production Lead	8 3/4	5,780'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	999	15%	11.0	3.53
				283			
Production Tail	8 3/4	3,265'	50/50 Poz/Class G + 1% bentonite	565	15%	14.0	1.29
				438			
Prod Liner	6 1/8	4,801'	50/50 Poz/Class G + 1% bentonite (foamed with nitrogen to 12.5 ppg)	520	15%	14.3	1.25
				416			

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 casing string will be calculated from an open hole caliper log, plus 15% excess.

The cement slurries will be adjusted for hole conditions and blend test results.

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
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' - 10,045'	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 13.0 ppg.
10,045' - TD	A diesel based oil-based mud system will used in the 6 1/8" hole below the 7" shoe. The MI-Swaco Versa System with an oil to water ratio between 75/25 and 80/20 will be used. Water phase salinity will be maintained in the range of 25% using CaCl (Calcium Chloride). All cuttings will be dried and centrifuged so that they can be easily transfered to steel bins with very little free fluid on them. Cuttings and waste will be either hauled to an approved disposal facility or treated with an approved process on location.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from KOP 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 KOP 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 0.65 psi/ft gradient.

$$9,520' \times 0.65 \text{ psi/ft} = 6188 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 9,183' . Directional tools will then be used to build to 92.86 degrees inclination. The 7" intermediate casing string will be set once the well is landed horizontally in the target zone.

The lateral will be drilled to the bottomhole location shown on the plat. A liner will be run and cemented in place. The top of the liner will be placed 50' above KOP and will be isolated with a liner top packer.

Newfield requests the following variances from Onshore Order #2:

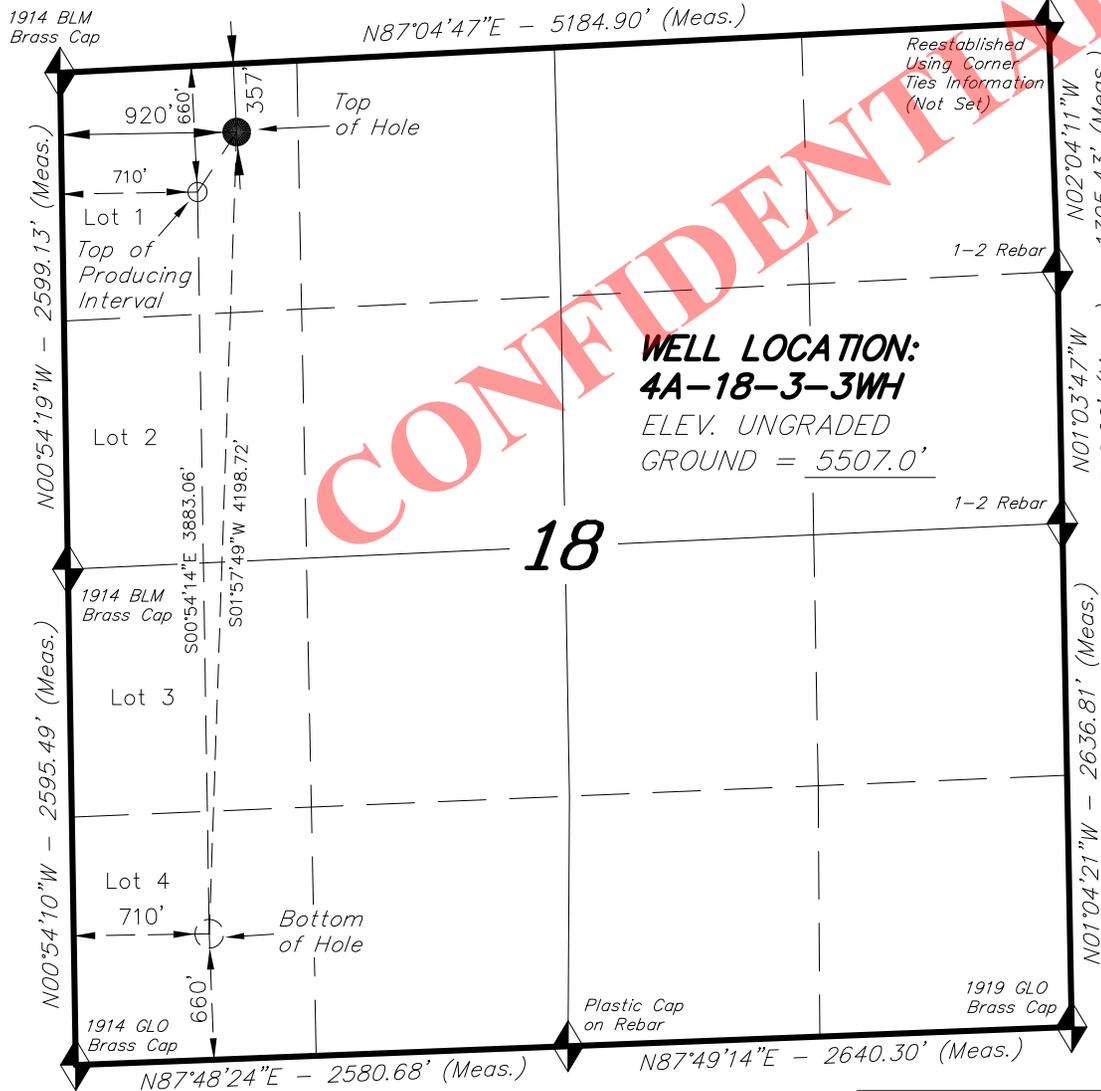
- Variance from Onshore Order #2, III.E.1

Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

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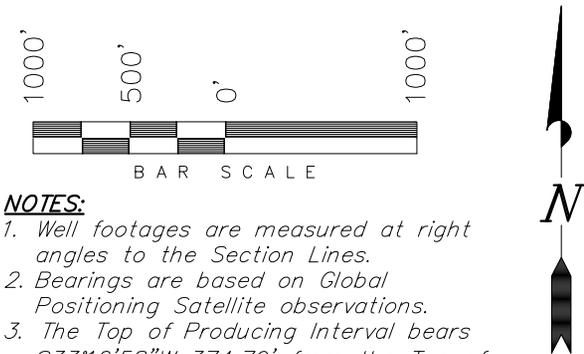
T3S, R3W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, 4A-18-3-3WH, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 (LOT 1) OF SECTION 18, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 4A-18-3-3WH, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 (LOT 4) OF SECTION 18, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Top of Producing Interval bears S33°10'58"W 374.79' from the Top of Hole.

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
 09-28-12
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

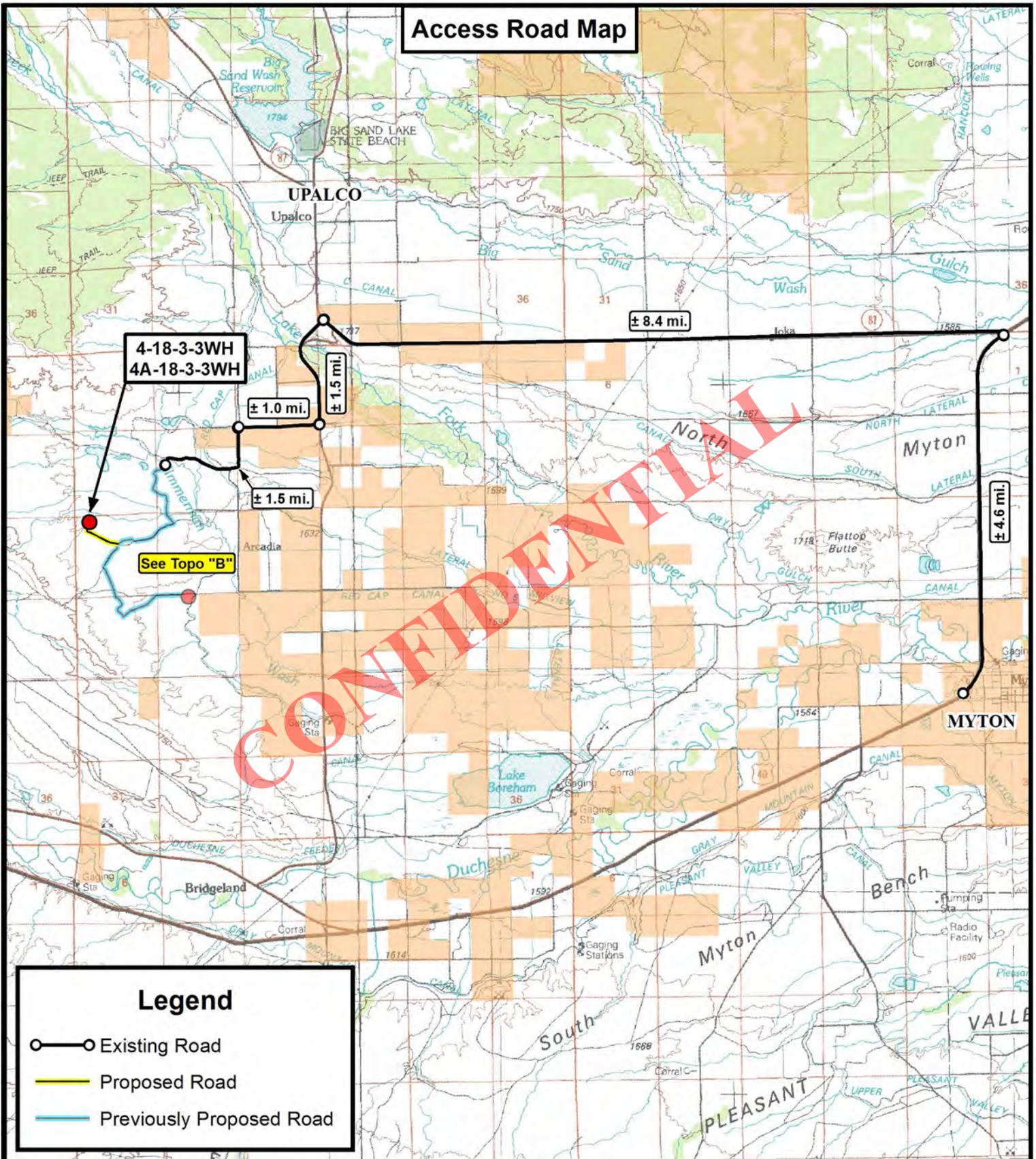
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°13'38.34"	
LONGITUDE = 110°16'17.66"	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°13'38.49"	
LONGITUDE = 110°16'15.11"	
NAD 83 (TOP OF PROD. INTERVAL)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°13'35.27"	LATITUDE = 40°12'56.91"
LONGITUDE = 110°16'20.36"	LONGITUDE = 110°16'20.26"
NAD 27 (TOP OF PROD. INTERVAL)	NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°13'35.42"	LATITUDE = 40°12'57.06"
LONGITUDE = 110°16'17.81"	LONGITUDE = 110°16'17.70"

TRI STATE LAND SURVEYING & CONSULTING
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 11-20-11	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 11-30-11	DRAWN BY: F.T.M.	V8
REVISED: 09-28-12 R.V.C.	SCALE: 1" = 1000'	

Access Road Map



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Legend

- Existing Road
- Proposed Road
- Previously Proposed Road



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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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DATE:	11-30-2011			V8
SCALE:	1:100,000			



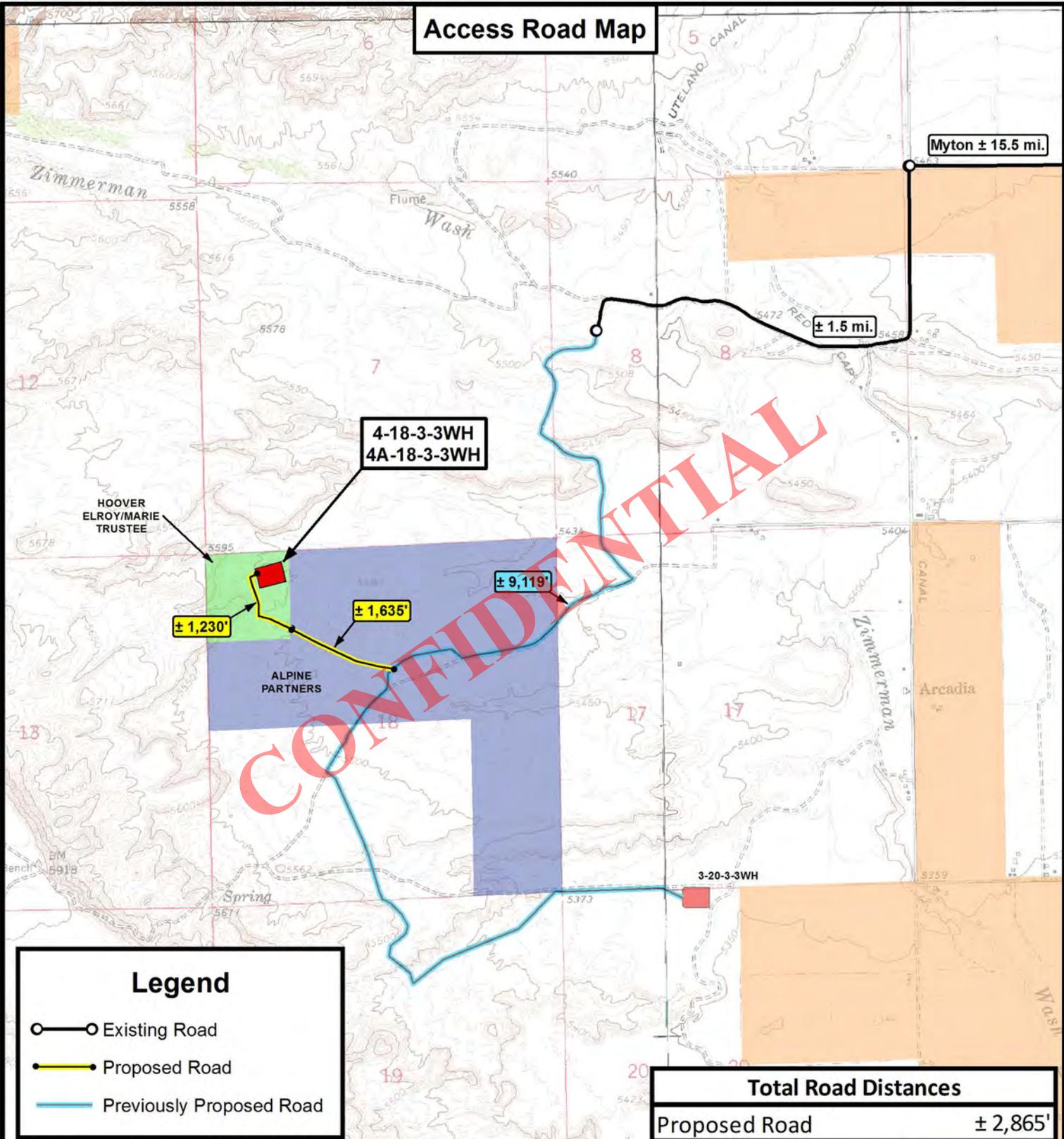
NEWFIELD EXPLORATION COMPANY

4-18-3-3WH
4A-18-3-3WH
SEC. 18, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET **A**

Access Road Map



Legend

- Existing Road
- Proposed Road
- Previously Proposed Road

Total Road Distances

Proposed Road ± 2,865'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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NEWFIELD EXPLORATION COMPANY

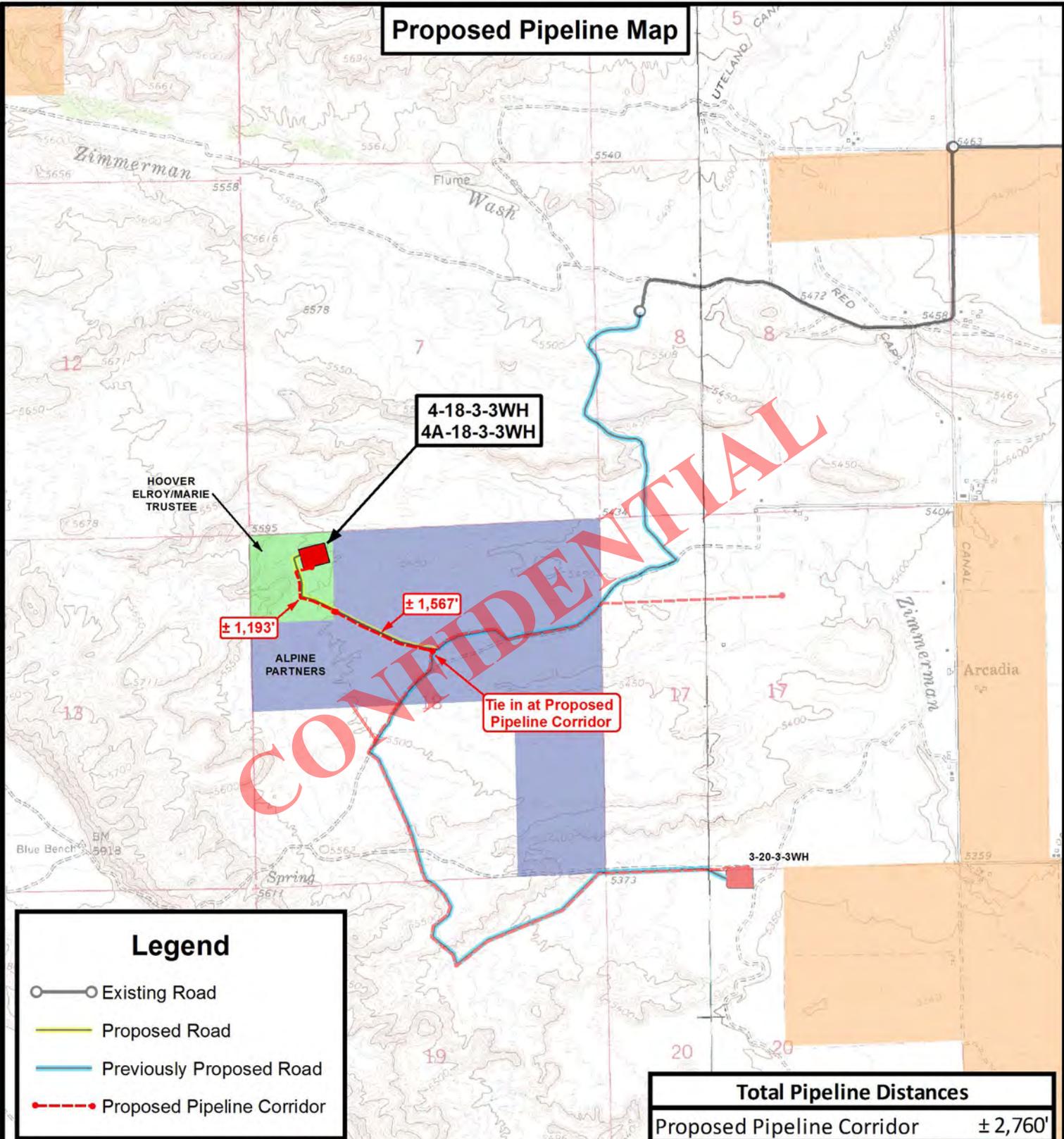
4-18-3-3WH
4A-18-3-3WH
SEC. 18, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	09-28-12 D.C.R.	VERSION:
DATE:	11-30-2011			V8
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road
- Previously Proposed Road
- Proposed Pipeline Corridor

Total Pipeline Distances	
Proposed Pipeline Corridor	± 2,760'

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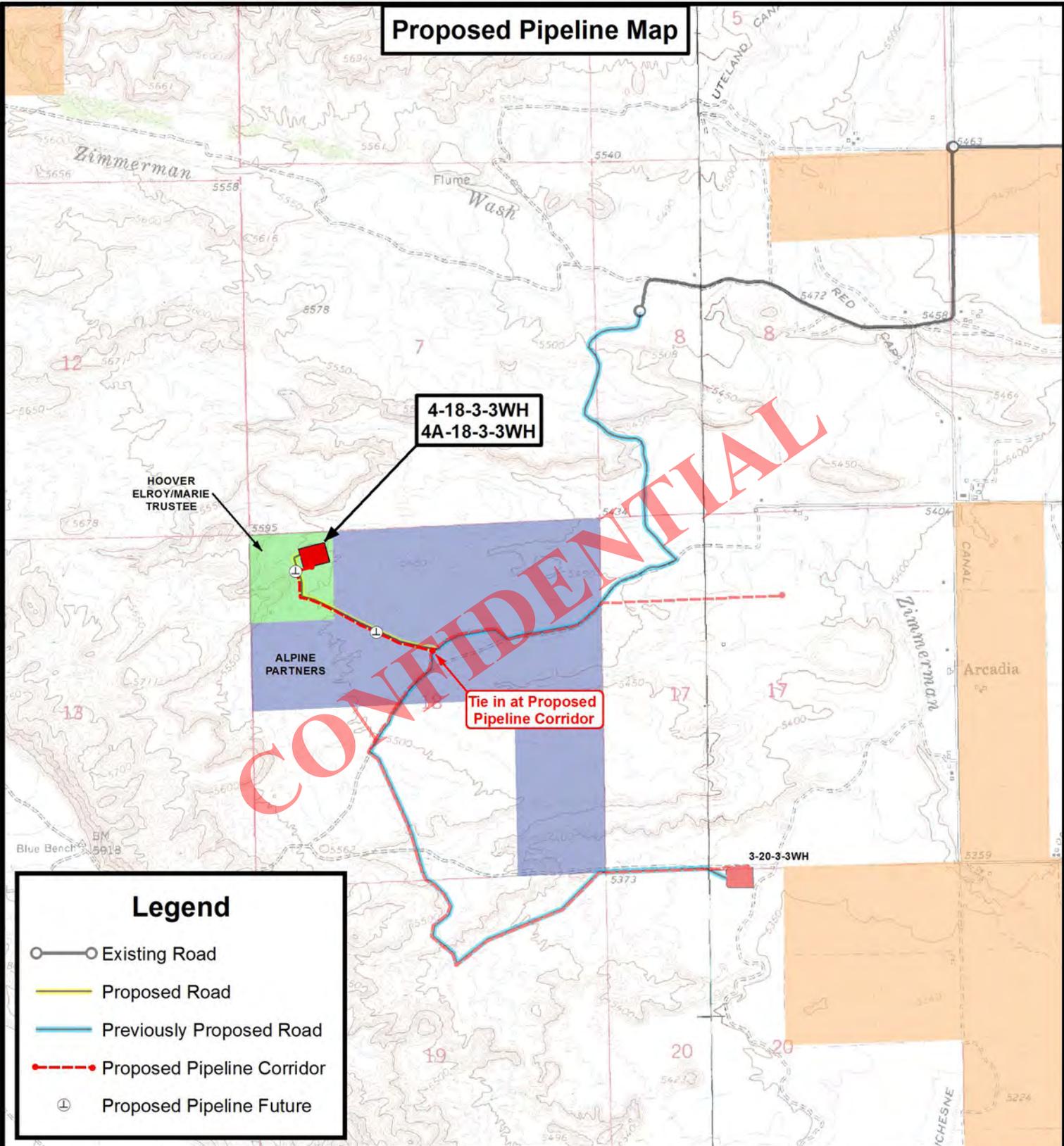
NEWFIELD EXPLORATION COMPANY
 4-18-3-3WH
 4A-18-3-3WH
 SEC. 18, T3S, R3W, U.S.B.&M.
 Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	09-28-12 D.C.R.	VERSION:
DATE:	11-30-2011			V8
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET C1

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road
- Previously Proposed Road
- Proposed Pipeline Corridor
- Proposed Pipeline Future

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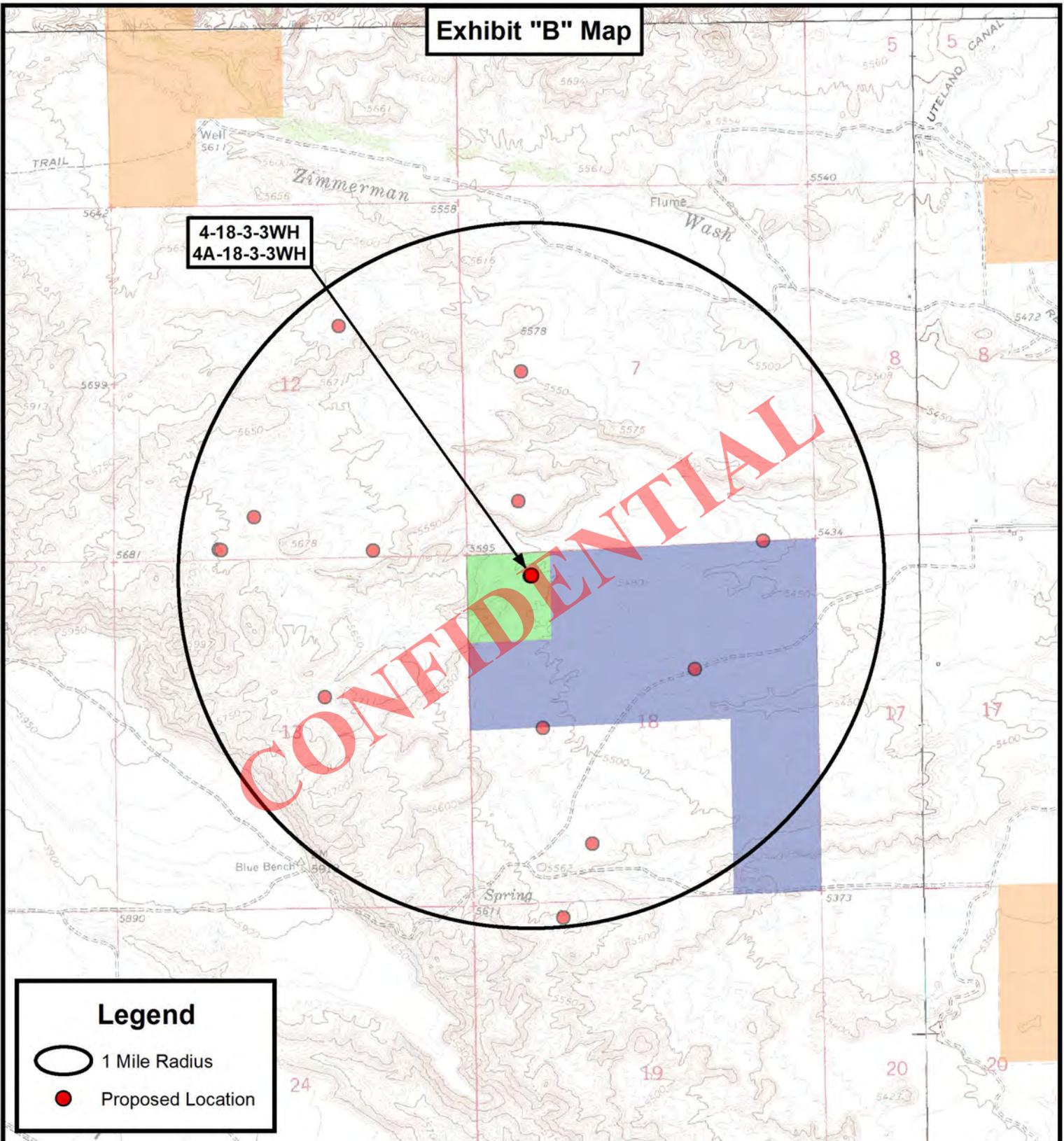
4-18-3-3WH
4A-18-3-3WH
SEC. 18, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

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TOPOGRAPHIC MAP

SHEET **C2**

Exhibit "B" Map



Legend

- 1 Mile Radius
- Proposed Location

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NEWFIELD EXPLORATION COMPANY

4-18-3-3WH
 4A-18-3-3WH
 SEC. 18, T3S, R3W, U.S.B.&M.
 Duchesne County, UT.

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DATE:	11-30-2011			V8
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
4-18-3-3WH	Surface Hole	40° 13' 38.41" N	110° 16' 17.29" W
4A-18-3-3WH	Surface Hole	40° 13' 38.34" N	110° 16' 17.66" W
4-18-3-3WH	Top of Producing Interval	40° 13' 35.27" N	110° 16' 20.36" W
4A-18-3-3WH	Top of Producing Interval	40° 13' 35.27" N	110° 16' 20.36" W
4-18-3-3WH	Bottom of Hole	40° 12' 56.91" N	110° 16' 20.26" W
4A-18-3-3WH	Bottom of Hole	40° 12' 56.91" N	110° 16' 20.26" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
4-18-3-3WH	Surface Hole	40.227337	110.271469
4A-18-3-3WH	Surface Hole	40.227317	110.271573
4-18-3-3WH	Top of Producing Interval	40.226464	110.272323
4A-18-3-3WH	Top of Producing Interval	40.226464	110.272323
4-18-3-3WH	Bottom of Hole	40.215808	110.272294
4A-18-3-3WH	Bottom of Hole	40.215808	110.272294
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
4-18-3-3WH	Surface Hole	4453244.391	561980.784
4A-18-3-3WH	Surface Hole	4453242.105	561971.937
4-18-3-3WH	Top of Producing Interval	4453146.903	561908.926
4A-18-3-3WH	Top of Producing Interval	4453146.903	561908.926
4-18-3-3WH	Bottom of Hole	4451964.148	561921.052
4A-18-3-3WH	Bottom of Hole	4451964.148	561921.052
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
4-18-3-3WH	Surface Hole	40° 13' 38.57" N	110° 16' 14.73" W
4A-18-3-3WH	Surface Hole	40° 13' 38.49" N	110° 16' 15.11" W
4-18-3-3WH	Top of Producing Interval	40° 13' 35.42" N	110° 16' 17.81" W
4A-18-3-3WH	Top of Producing Interval	40° 13' 35.42" N	110° 16' 17.81" W
4-18-3-3WH	Bottom of Hole	40° 12' 57.06" N	110° 16' 17.70" W
4A-18-3-3WH	Bottom of Hole	40° 12' 57.06" N	110° 16' 17.70" W
Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
4-18-3-3WH	Surface Hole	40.227379	110.270759
4A-18-3-3WH	Surface Hole	40.227359	110.270863
4-18-3-3WH	Top of Producing Interval	40.226506	110.271613
4A-18-3-3WH	Top of Producing Interval	40.226506	110.271613
4-18-3-3WH	Bottom of Hole	40.215850	110.271584
4A-18-3-3WH	Bottom of Hole	40.215850	110.271584



P: (435) 781-2501
F: (435) 781-2518

NEWFIELD EXPLORATION COMPANY

4-18-3-3WH
4A-18-3-3WH
SEC. 18, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	09-28-12 D.C.R.
DATE:	08-16-2012		
VERSION:	V8		

COORDINATE REPORT

SHEET

1

RECEIVED: October 23, 2012



Weatherford®

NEWFIELD EXPLORATION CO.
DUCHESNE COUNTY, UT

4A-18-3-3WH

Plan: Design #1

PROPOSAL

04 October, 2012

CONFIDENTIAL



Weatherford®

API Well Number: 43013518020000



Project: DUCHESNE COUNTY, UT
 Site: 4A-18-3-3WH
 Well: 4A-18-3-3WH
 Wellbore: 4A-18-3-3WH
 Design: Design #1
 Latitude: 40° 13' 38.340 N
 Longitude: 110° 16' 17.660 W
 GL: 5505.50
 KB: WELL @ 5521.50ft (PIONEER 68)



WELL DETAILS: 4A-18-3-3WH

+N-S	+E-W	Northing	Ground Level:	5505.50	Longitude	Slot
0.00	0.00	7253881.54	Easting	1983395.29	Latitude	
				40° 13' 38.340 N	110° 16' 17.660 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N-S	+E-W	Latitude	Longitude	Shape
PBHL 4A-18-3-3WH	9520.00	-4197.08	-143.79	40° 12' 56.861 N	110° 16' 19.514 W	Point
TOP PROD INTERVAL 4A-18-3-3WH	9714.05	-313.85	-205.07	40° 13' 35.238 N	110° 16' 20.304 W	Point

SECTION DETAILS

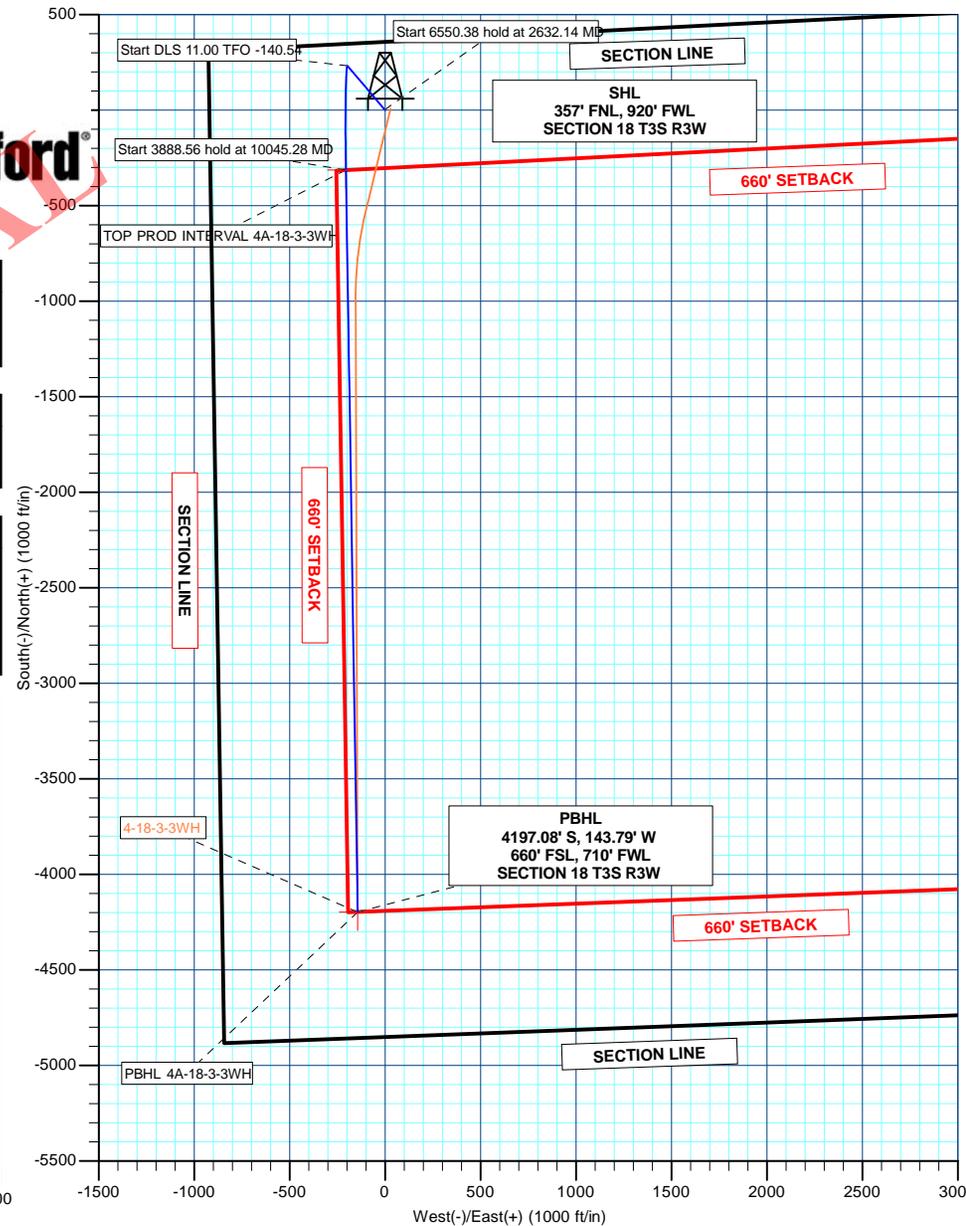
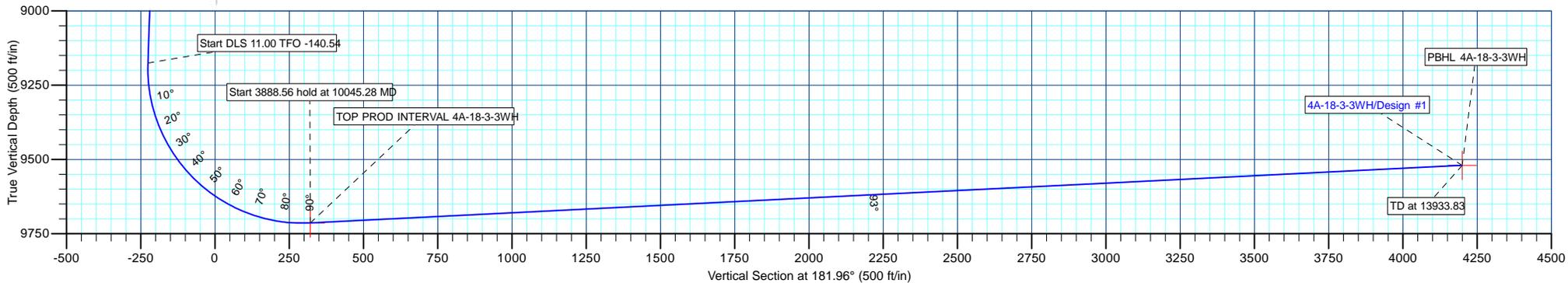
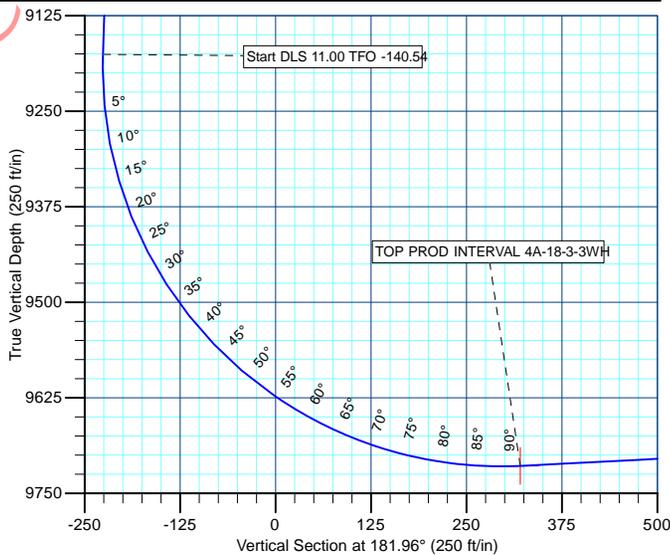
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	
3	2632.14	2.64	319.75	2632.10	2.33	-1.97	2.00	319.75	-2.26	
4	9182.52	2.64	319.75	9175.51	232.87	-197.11	0.00	0.00	-225.98	
5	10045.28	92.86	179.10	9714.05	-313.85	-205.07	11.00	-140.54	320.69	TOP PROD INTERVAL 4A-18-3-3WH
6	13933.83	92.86	179.10	9520.00	-4197.08	-143.79	0.00	0.00	4199.54	PBHL 4A-18-3-3WH

CASING DETAILS

No casing data is available



Azimuths to True North
 Magnetic North: 11.29°
 Magnetic Field Strength: 52153.6snT
 Dip Angle: 65.85°
 Date: 10/3/2012
 Model: BGGM2012





Weatherford®

NEWFIELD EXPLORATION CO.

DUCHESNE COUNTY, UT

4A-18-3-3WH

4A-18-3-3WH

4A-18-3-3WH

Plan: Design #1

Standard Planning Report

04 October, 2012

CONFIDENTIAL



Weatherford®



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Company:	NEWFIELD EXPLORATION CO.	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site:	4A-18-3-3WH	North Reference:	True
Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	4A-18-3-3WH		
Design:	Design #1		

Project	DUCHESNE COUNTY, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	4A-18-3-3WH				
Site Position:		Northing:	7,253,881.54 usft	Latitude:	40° 13' 38.340 N
From:	Lat/Long	Easting:	1,983,395.29 usft	Longitude:	110° 16' 17.660 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16"	Grid Convergence:	0.79 °

Well	4A-18-3-3WH					
Well Position	+N/-S	0.00 ft	Northing:	7,253,881.54 usft	Latitude:	40° 13' 38.340 N
	+E/-W	0.00 ft	Easting:	1,983,395.29 usft	Longitude:	110° 16' 17.660 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,505.50 ft

Wellbore	4A-18-3-3WH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	BGGM2012	10/3/2012	(°)	(°)	(nT)
			11.29	65.85	52,154

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	181.96

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,632.14	2.64	319.75	2,632.10	2.33	-1.97	2.00	2.00	0.00	319.75	
9,182.52	2.64	319.75	9,175.51	232.87	-197.11	0.00	0.00	0.00	0.00	
10,045.28	92.86	179.10	9,714.05	-313.85	-205.07	11.00	10.46	-16.30	-140.54	TOP PROD INTERVA
13,933.83	92.86	179.10	9,520.00	-4,197.08	-143.79	0.00	0.00	0.00	0.00	PBHL 4A-18-3-3WH



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Company:	NEWFIELD EXPLORATION CO.	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site:	4A-18-3-3WH	North Reference:	True
Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	4A-18-3-3WH		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 2.00										
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	2.00	319.75	2,599.98	1.33	-1.13	-1.29	2.00	2.00	0.00	
Start 6550.38 hold at 2632.14 MD										
2,632.14	2.64	319.75	2,632.10	2.33	-1.97	-2.26	2.00	2.00	0.00	
2,700.00	2.64	319.75	2,699.88	4.71	-3.99	-4.57	0.00	0.00	0.00	
2,800.00	2.64	319.75	2,799.77	8.23	-6.97	-7.99	0.00	0.00	0.00	
2,900.00	2.64	319.75	2,899.67	11.75	-9.95	-11.41	0.00	0.00	0.00	
3,000.00	2.64	319.75	2,999.56	15.27	-12.93	-14.82	0.00	0.00	0.00	
3,100.00	2.64	319.75	3,099.46	18.79	-15.91	-18.24	0.00	0.00	0.00	
3,200.00	2.64	319.75	3,199.35	22.31	-18.89	-21.65	0.00	0.00	0.00	
3,300.00	2.64	319.75	3,299.24	25.83	-21.86	-25.07	0.00	0.00	0.00	
3,400.00	2.64	319.75	3,399.14	29.35	-24.84	-28.48	0.00	0.00	0.00	
3,500.00	2.64	319.75	3,499.03	32.87	-27.82	-31.90	0.00	0.00	0.00	
3,600.00	2.64	319.75	3,598.92	36.39	-30.80	-35.31	0.00	0.00	0.00	
3,700.00	2.64	319.75	3,698.82	39.91	-33.78	-38.73	0.00	0.00	0.00	
3,800.00	2.64	319.75	3,798.71	43.43	-36.76	-42.14	0.00	0.00	0.00	
3,900.00	2.64	319.75	3,898.60	46.95	-39.74	-45.56	0.00	0.00	0.00	
4,000.00	2.64	319.75	3,998.50	50.47	-42.72	-48.98	0.00	0.00	0.00	
4,100.00	2.64	319.75	4,098.39	53.99	-45.70	-52.39	0.00	0.00	0.00	
4,200.00	2.64	319.75	4,198.29	57.51	-48.68	-55.81	0.00	0.00	0.00	
4,300.00	2.64	319.75	4,298.18	61.03	-51.65	-59.22	0.00	0.00	0.00	
4,400.00	2.64	319.75	4,398.07	64.55	-54.63	-62.64	0.00	0.00	0.00	
4,500.00	2.64	319.75	4,497.97	68.06	-57.61	-66.05	0.00	0.00	0.00	
4,600.00	2.64	319.75	4,597.86	71.58	-60.59	-69.47	0.00	0.00	0.00	
4,700.00	2.64	319.75	4,697.75	75.10	-63.57	-72.88	0.00	0.00	0.00	
4,800.00	2.64	319.75	4,797.65	78.62	-66.55	-76.30	0.00	0.00	0.00	
4,900.00	2.64	319.75	4,897.54	82.14	-69.53	-79.71	0.00	0.00	0.00	
5,000.00	2.64	319.75	4,997.43	85.66	-72.51	-83.13	0.00	0.00	0.00	



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Company:	NEWFIELD EXPLORATION CO.	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site:	4A-18-3-3WH	North Reference:	True
Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	4A-18-3-3WH		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.00	2.64	319.75	5,097.33	89.18	-75.49	-86.54	0.00	0.00	0.00	
5,200.00	2.64	319.75	5,197.22	92.70	-78.47	-89.96	0.00	0.00	0.00	
5,300.00	2.64	319.75	5,297.12	96.22	-81.45	-93.38	0.00	0.00	0.00	
5,400.00	2.64	319.75	5,397.01	99.74	-84.42	-96.79	0.00	0.00	0.00	
5,500.00	2.64	319.75	5,496.90	103.26	-87.40	-100.21	0.00	0.00	0.00	
5,600.00	2.64	319.75	5,596.80	106.78	-90.38	-103.62	0.00	0.00	0.00	
5,700.00	2.64	319.75	5,696.69	110.30	-93.36	-107.04	0.00	0.00	0.00	
5,800.00	2.64	319.75	5,796.58	113.82	-96.34	-110.45	0.00	0.00	0.00	
5,900.00	2.64	319.75	5,896.48	117.34	-99.32	-113.87	0.00	0.00	0.00	
6,000.00	2.64	319.75	5,996.37	120.86	-102.30	-117.28	0.00	0.00	0.00	
6,100.00	2.64	319.75	6,096.26	124.38	-105.28	-120.70	0.00	0.00	0.00	
6,200.00	2.64	319.75	6,196.16	127.90	-108.26	-124.11	0.00	0.00	0.00	
6,300.00	2.64	319.75	6,296.05	131.42	-111.24	-127.53	0.00	0.00	0.00	
6,400.00	2.64	319.75	6,395.95	134.93	-114.21	-130.95	0.00	0.00	0.00	
6,500.00	2.64	319.75	6,495.84	138.45	-117.19	-134.36	0.00	0.00	0.00	
6,600.00	2.64	319.75	6,595.73	141.97	-120.17	-137.78	0.00	0.00	0.00	
6,700.00	2.64	319.75	6,695.63	145.49	-123.15	-141.19	0.00	0.00	0.00	
6,800.00	2.64	319.75	6,795.52	149.01	-126.13	-144.61	0.00	0.00	0.00	
6,900.00	2.64	319.75	6,895.41	152.53	-129.11	-148.02	0.00	0.00	0.00	
7,000.00	2.64	319.75	6,995.31	156.05	-132.09	-151.44	0.00	0.00	0.00	
7,100.00	2.64	319.75	7,095.20	159.57	-135.07	-154.85	0.00	0.00	0.00	
7,200.00	2.64	319.75	7,195.09	163.09	-138.05	-158.27	0.00	0.00	0.00	
7,300.00	2.64	319.75	7,294.99	166.61	-141.03	-161.68	0.00	0.00	0.00	
7,400.00	2.64	319.75	7,394.88	170.13	-144.01	-165.10	0.00	0.00	0.00	
7,500.00	2.64	319.75	7,494.78	173.65	-146.98	-168.51	0.00	0.00	0.00	
7,600.00	2.64	319.75	7,594.67	177.17	-149.96	-171.93	0.00	0.00	0.00	
7,700.00	2.64	319.75	7,694.56	180.69	-152.94	-175.35	0.00	0.00	0.00	
7,800.00	2.64	319.75	7,794.46	184.21	-155.92	-178.76	0.00	0.00	0.00	
7,900.00	2.64	319.75	7,894.35	187.73	-158.90	-182.18	0.00	0.00	0.00	
8,000.00	2.64	319.75	7,994.24	191.25	-161.88	-185.59	0.00	0.00	0.00	
8,100.00	2.64	319.75	8,094.14	194.77	-164.86	-189.01	0.00	0.00	0.00	
8,200.00	2.64	319.75	8,194.03	198.29	-167.84	-192.42	0.00	0.00	0.00	
8,300.00	2.64	319.75	8,293.92	201.81	-170.82	-195.84	0.00	0.00	0.00	
8,400.00	2.64	319.75	8,393.82	205.32	-173.80	-199.25	0.00	0.00	0.00	
8,500.00	2.64	319.75	8,493.71	208.84	-176.78	-202.67	0.00	0.00	0.00	
8,600.00	2.64	319.75	8,593.61	212.36	-179.75	-206.08	0.00	0.00	0.00	
8,700.00	2.64	319.75	8,693.50	215.88	-182.73	-209.50	0.00	0.00	0.00	
8,800.00	2.64	319.75	8,793.39	219.40	-185.71	-212.92	0.00	0.00	0.00	
8,900.00	2.64	319.75	8,893.29	222.92	-188.69	-216.33	0.00	0.00	0.00	
9,000.00	2.64	319.75	8,993.18	226.44	-191.67	-219.75	0.00	0.00	0.00	
9,100.00	2.64	319.75	9,093.07	229.96	-194.65	-223.16	0.00	0.00	0.00	
Start DLS 11.00 TFO -140.54										
9,182.52	2.64	319.75	9,175.51	232.87	-197.11	-225.98	0.00	0.00	0.00	
9,200.00	1.68	273.22	9,192.97	233.19	-197.62	-226.28	11.00	-5.49	-266.25	
9,250.00	5.64	196.46	9,242.88	230.87	-199.05	-223.92	11.00	7.91	-153.52	
9,300.00	11.01	187.85	9,292.34	223.78	-200.40	-216.79	11.00	10.74	-17.22	
9,350.00	16.46	184.87	9,340.89	211.98	-201.66	-204.95	11.00	10.91	-5.95	
9,400.00	21.94	183.35	9,388.09	195.59	-202.81	-188.53	11.00	10.96	-3.04	
9,450.00	27.43	182.42	9,433.50	174.74	-203.84	-167.66	11.00	10.97	-1.87	
9,500.00	32.92	181.78	9,476.71	149.63	-204.75	-142.53	11.00	10.98	-1.29	
9,550.00	38.41	181.30	9,517.32	120.50	-205.52	-113.39	11.00	10.99	-0.95	
9,600.00	43.91	180.93	9,554.95	87.61	-206.15	-80.50	11.00	10.99	-0.75	
9,650.00	49.40	180.62	9,589.25	51.27	-206.64	-44.16	11.00	10.99	-0.61	
9,700.00	54.90	180.36	9,619.92	11.80	-206.97	-4.71	11.00	10.99	-0.52	



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Company:	NEWFIELD EXPLORATION CO.	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site:	4A-18-3-3WH	North Reference:	True
Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	4A-18-3-3WH		
Design:	Design #1		

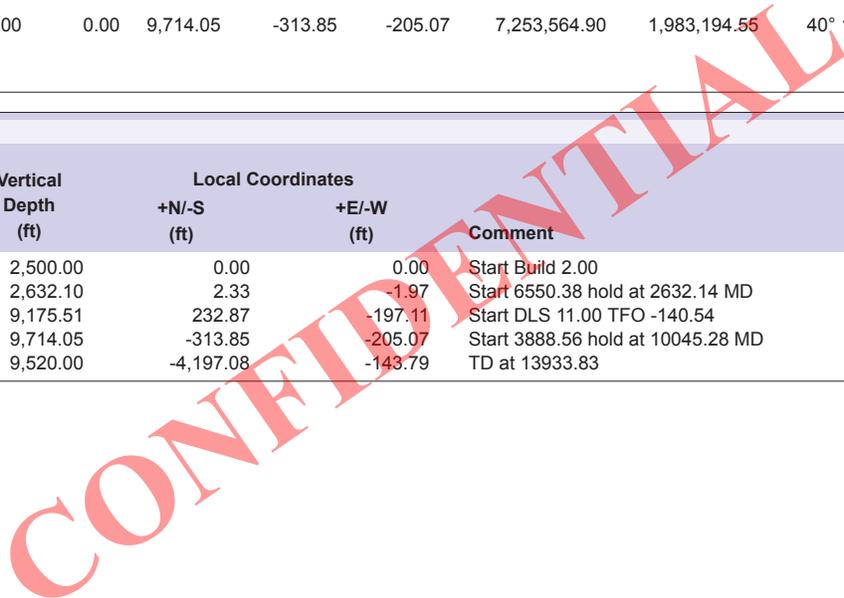
Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,750.00	60.40	180.13	9,646.67	-30.42	-207.15	37.49	11.00	10.99	-0.45
9,800.00	65.89	179.93	9,669.25	-75.01	-207.18	82.06	11.00	10.99	-0.41
9,850.00	71.39	179.75	9,687.45	-121.56	-207.04	128.57	11.00	10.99	-0.37
9,900.00	76.89	179.57	9,701.11	-169.63	-206.76	176.61	11.00	10.99	-0.35
9,950.00	82.38	179.40	9,710.10	-218.80	-206.32	225.73	11.00	11.00	-0.33
10,000.00	87.88	179.24	9,714.34	-268.59	-205.73	275.48	11.00	11.00	-0.32
Start 3888.56 hold at 10045.28 MD - TOP PROD INTERVAL 4A-18-3-3WH									
10,045.28	92.86	179.10	9,714.05	-313.85	-205.07	320.69	11.00	11.00	-0.32
10,100.00	92.86	179.10	9,711.32	-368.50	-204.21	375.28	0.00	0.00	0.00
10,200.00	92.86	179.10	9,706.33	-468.36	-202.63	475.03	0.00	0.00	0.00
10,300.00	92.86	179.10	9,701.34	-568.23	-201.06	574.78	0.00	0.00	0.00
10,400.00	92.86	179.10	9,696.35	-668.09	-199.48	674.53	0.00	0.00	0.00
10,500.00	92.86	179.10	9,691.36	-767.95	-197.90	774.28	0.00	0.00	0.00
10,600.00	92.86	179.10	9,686.37	-867.81	-196.33	874.03	0.00	0.00	0.00
10,700.00	92.86	179.10	9,681.38	-967.68	-194.75	973.78	0.00	0.00	0.00
10,800.00	92.86	179.10	9,676.39	-1,067.54	-193.18	1,073.53	0.00	0.00	0.00
10,900.00	92.86	179.10	9,671.40	-1,167.40	-191.60	1,173.28	0.00	0.00	0.00
11,000.00	92.86	179.10	9,666.41	-1,267.27	-190.02	1,273.03	0.00	0.00	0.00
11,100.00	92.86	179.10	9,661.42	-1,367.13	-188.45	1,372.78	0.00	0.00	0.00
11,200.00	92.86	179.10	9,656.43	-1,466.99	-186.87	1,472.53	0.00	0.00	0.00
11,300.00	92.86	179.10	9,651.44	-1,566.86	-185.30	1,572.28	0.00	0.00	0.00
11,400.00	92.86	179.10	9,646.45	-1,666.72	-183.72	1,672.03	0.00	0.00	0.00
11,500.00	92.86	179.10	9,641.46	-1,766.58	-182.14	1,771.78	0.00	0.00	0.00
11,600.00	92.86	179.10	9,636.46	-1,866.44	-180.57	1,871.53	0.00	0.00	0.00
11,700.00	92.86	179.10	9,631.47	-1,966.31	-178.99	1,971.28	0.00	0.00	0.00
11,800.00	92.86	179.10	9,626.48	-2,066.17	-177.42	2,071.03	0.00	0.00	0.00
11,900.00	92.86	179.10	9,621.49	-2,166.03	-175.84	2,170.78	0.00	0.00	0.00
12,000.00	92.86	179.10	9,616.50	-2,265.90	-174.27	2,270.53	0.00	0.00	0.00
12,100.00	92.86	179.10	9,611.51	-2,365.76	-172.69	2,370.28	0.00	0.00	0.00
12,200.00	92.86	179.10	9,606.52	-2,465.62	-171.11	2,470.04	0.00	0.00	0.00
12,300.00	92.86	179.10	9,601.53	-2,565.48	-169.54	2,569.79	0.00	0.00	0.00
12,400.00	92.86	179.10	9,596.54	-2,665.35	-167.96	2,669.54	0.00	0.00	0.00
12,500.00	92.86	179.10	9,591.55	-2,765.21	-166.39	2,769.29	0.00	0.00	0.00
12,600.00	92.86	179.10	9,586.56	-2,865.07	-164.81	2,869.04	0.00	0.00	0.00
12,700.00	92.86	179.10	9,581.57	-2,964.94	-163.23	2,968.79	0.00	0.00	0.00
12,800.00	92.86	179.10	9,576.58	-3,064.80	-161.66	3,068.54	0.00	0.00	0.00
12,900.00	92.86	179.10	9,571.59	-3,164.66	-160.08	3,168.29	0.00	0.00	0.00
13,000.00	92.86	179.10	9,566.60	-3,264.53	-158.51	3,268.04	0.00	0.00	0.00
13,100.00	92.86	179.10	9,561.61	-3,364.39	-156.93	3,367.79	0.00	0.00	0.00
13,200.00	92.86	179.10	9,556.62	-3,464.25	-155.35	3,467.54	0.00	0.00	0.00
13,300.00	92.86	179.10	9,551.63	-3,564.11	-153.78	3,567.29	0.00	0.00	0.00
13,400.00	92.86	179.10	9,546.64	-3,663.98	-152.20	3,667.04	0.00	0.00	0.00
13,500.00	92.86	179.10	9,541.65	-3,763.84	-150.63	3,766.79	0.00	0.00	0.00
13,600.00	92.86	179.10	9,536.66	-3,863.70	-149.05	3,866.54	0.00	0.00	0.00
13,700.00	92.86	179.10	9,531.67	-3,963.57	-147.48	3,966.29	0.00	0.00	0.00
13,800.00	92.86	179.10	9,526.68	-4,063.43	-145.90	4,066.04	0.00	0.00	0.00
13,900.00	92.86	179.10	9,521.69	-4,163.29	-144.32	4,165.79	0.00	0.00	0.00
TD at 13933.83 - PBHL 4A-18-3-3WH									
13,933.83	92.86	179.10	9,520.00	-4,197.08	-143.79	4,199.54	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Company:	NEWFIELD EXPLORATION CO.	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Project:	DUCHESNE COUNTY, UT	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site:	4A-18-3-3WH	North Reference:	True
Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	4A-18-3-3WH		
Design:	Design #1		

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL 4A-18-3-3WH - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	9,520.00	-4,197.08	-143.79	7,249,682.89	1,983,309.16	40° 12' 56.861 N	110° 16' 19.514 W
TOP PROD INTERVAL - plan hits target center - Point	0.00	0.00	9,714.05	-313.85	-205.07	7,253,564.90	1,983,194.55	40° 13' 35.238 N	110° 16' 20.304 W

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
2,500.00	2,500.00	0.00	0.00	Start Build 2.00	
2,632.14	2,632.10	2.33	-1.97	Start 6550.38 hold at 2632.14 MD	
9,182.52	9,175.51	232.87	-197.11	Start DLS 11.00 TFO -140.54	
10,045.28	9,714.05	-313.85	-205.07	Start 3888.56 hold at 10045.28 MD	
13,933.83	9,520.00	-4,197.08	-143.79	TD at 13933.83	



NEWFIELD



NEWFIELD EXPLORATION CO.

DUCHESNE COUNTY, UT

4A-18-3-3WH

4A-18-3-3WH

4A-18-3-3WH

Design #1

Anticollision Report

04 October, 2012

CONFIDENTIAL



Weatherford[®]



Company:	NEWFIELD EXPLORATION CO.	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Project:	DUCHESNE COUNTY, UT	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Reference Site:	4A-18-3-3WH	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	4A-18-3-3WH	Database:	EDM 5000.1 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 11,000.00 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	10/4/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	13,933.83	Design #1 (4A-18-3-3WH)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
4-18-3-3WH						
4-18-3-3WH - 4-18-3-3WH - Design #1	2,500.00	2,500.00	29.56	18.58	2.693	CC, ES
4-18-3-3WH - 4-18-3-3WH - Design #1	2,600.00	2,599.98	30.37	18.95	2.659	SF

Offset Design													Offset Site Error:	0.00 ft	
Survey Program: 0-MWD													Offset Well Error:		0.00 ft
Reference													Distance		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	76.14	7.08	28.70	29.56						
100.00	100.00	100.00	100.00	0.09	0.09	76.14	7.08	28.70	29.56	29.37	0.19	156.553			
200.00	200.00	200.00	200.00	0.32	0.32	76.14	7.08	28.70	29.56	28.92	0.64	46.305			
300.00	300.00	300.00	300.00	0.54	0.54	76.14	7.08	28.70	29.56	28.47	1.09	27.170			
400.00	400.00	400.00	400.00	0.77	0.77	76.14	7.08	28.70	29.56	28.02	1.54	19.226			
500.00	500.00	500.00	500.00	0.99	0.99	76.14	7.08	28.70	29.56	27.57	1.99	14.876			
600.00	600.00	600.00	600.00	1.22	1.22	76.14	7.08	28.70	29.56	27.12	2.44	12.131			
700.00	700.00	700.00	700.00	1.44	1.44	76.14	7.08	28.70	29.56	26.67	2.89	10.242			
800.00	800.00	800.00	800.00	1.67	1.67	76.14	7.08	28.70	29.56	26.22	3.34	8.862			
900.00	900.00	900.00	900.00	1.89	1.89	76.14	7.08	28.70	29.56	25.77	3.79	7.809			
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	76.14	7.08	28.70	29.56	25.32	4.23	6.980			
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	76.14	7.08	28.70	29.56	24.87	4.68	6.310			
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	76.14	7.08	28.70	29.56	24.42	5.13	5.758			
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	76.14	7.08	28.70	29.56	23.97	5.58	5.294			
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	76.14	7.08	28.70	29.56	23.53	6.03	4.900			
1,500.00	1,500.00	1,500.00	1,500.00	3.24	3.24	76.14	7.08	28.70	29.56	23.08	6.48	4.560			
1,600.00	1,600.00	1,600.00	1,600.00	3.47	3.47	76.14	7.08	28.70	29.56	22.63	6.93	4.264			
1,700.00	1,700.00	1,700.00	1,700.00	3.69	3.69	76.14	7.08	28.70	29.56	22.18	7.38	4.004			
1,800.00	1,800.00	1,800.00	1,800.00	3.92	3.92	76.14	7.08	28.70	29.56	21.73	7.83	3.775			
1,900.00	1,900.00	1,900.00	1,900.00	4.14	4.14	76.14	7.08	28.70	29.56	21.28	8.28	3.570			
2,000.00	2,000.00	2,000.00	2,000.00	4.36	4.36	76.14	7.08	28.70	29.56	20.83	8.73	3.386			
2,100.00	2,100.00	2,100.00	2,100.00	4.59	4.59	76.14	7.08	28.70	29.56	20.38	9.18	3.220			
2,200.00	2,200.00	2,200.00	2,200.00	4.81	4.81	76.14	7.08	28.70	29.56	19.93	9.63	3.070			
2,300.00	2,300.00	2,300.00	2,300.00	5.04	5.04	76.14	7.08	28.70	29.56	19.48	10.08	2.933			
2,400.00	2,400.00	2,400.00	2,400.00	5.26	5.26	76.14	7.08	28.70	29.56	19.03	10.53	2.808			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Company:	NEWFIELD EXPLORATION CO.	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Project:	DUCHESNE COUNTY, UT	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Reference Site:	4A-18-3-3WH	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	4A-18-3-3WH	Database:	EDM 5000.1 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design 4-18-3-3WH - 4-18-3-3WH - 4-18-3-3WH - Design #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,500.00	2,500.00	2,500.00	2,500.00	5.49	5.49	76.14	7.08	28.70	29.56	18.58	10.98	2.693 CC, ES		
2,600.00	2,599.98	2,599.98	2,599.98	5.71	5.71	119.32	7.08	28.70	30.37	18.95	11.42	2.659 SF		
2,700.00	2,699.88	2,699.88	2,699.88	5.93	5.94	126.07	7.08	28.70	32.77	20.91	11.86	2.763		
2,800.00	2,799.77	2,799.77	2,799.77	6.15	6.16	132.06	7.08	28.70	35.68	23.38	12.30	2.900		
2,900.00	2,899.67	2,899.67	2,899.67	6.37	6.39	137.11	7.08	28.70	38.93	26.18	12.75	3.054		
3,000.00	2,999.56	2,999.56	2,999.56	6.60	6.61	141.35	7.08	28.70	42.42	29.23	13.19	3.217		
3,100.00	3,099.46	3,099.46	3,099.46	6.82	6.84	144.93	7.08	28.70	46.11	32.48	13.63	3.383		
3,200.00	3,199.35	3,199.35	3,199.35	7.05	7.06	147.97	7.08	28.70	49.96	35.88	14.08	3.549		
3,300.00	3,299.24	3,299.24	3,299.24	7.27	7.29	150.56	7.08	28.70	53.92	39.40	14.52	3.713		
3,400.00	3,399.14	3,399.14	3,399.14	7.50	7.51	152.80	7.08	28.70	57.99	43.02	14.97	3.874		
3,500.00	3,499.03	3,499.03	3,499.03	7.73	7.73	154.75	7.08	28.70	62.12	46.71	15.41	4.031		
3,600.00	3,598.92	3,598.92	3,598.92	7.96	7.96	156.45	7.08	28.70	66.32	50.47	15.86	4.182		
3,700.00	3,698.82	3,698.82	3,698.82	8.19	8.18	157.94	7.08	28.70	70.58	54.27	16.30	4.329		
3,800.00	3,798.71	3,798.71	3,798.71	8.42	8.41	159.27	7.08	28.70	74.87	58.12	16.75	4.469		
3,900.00	3,898.60	3,898.60	3,898.60	8.65	8.63	160.45	7.08	28.70	79.20	62.00	17.20	4.605		
4,000.00	3,998.50	3,998.50	3,998.50	8.88	8.86	161.51	7.08	28.70	83.56	65.91	17.65	4.735		
4,100.00	4,098.39	4,098.39	4,098.39	9.11	9.08	162.46	7.08	28.70	87.95	69.85	18.09	4.861		
4,200.00	4,198.29	4,198.29	4,198.29	9.34	9.31	163.32	7.08	28.70	92.35	73.81	18.54	4.981		
4,300.00	4,298.18	4,298.18	4,298.18	9.57	9.53	164.10	7.08	28.70	96.78	77.79	18.99	5.097		
4,400.00	4,398.07	4,398.07	4,398.07	9.80	9.76	164.82	7.08	28.70	101.22	81.79	19.44	5.208		
4,500.00	4,497.97	4,497.97	4,497.97	10.04	9.98	165.47	7.08	28.70	105.68	85.79	19.88	5.315		
4,600.00	4,597.86	4,597.86	4,597.86	10.27	10.20	166.08	7.08	28.70	110.15	89.82	20.33	5.417		
4,700.00	4,697.75	4,697.75	4,697.75	10.50	10.43	166.63	7.08	28.70	114.63	93.85	20.78	5.516		
4,800.00	4,797.65	4,797.65	4,797.65	10.74	10.65	167.14	7.08	28.70	119.12	97.89	21.23	5.611		
4,900.00	4,897.54	4,897.54	4,897.54	10.97	10.88	167.62	7.08	28.70	123.62	101.94	21.68	5.702		
5,000.00	4,997.43	4,997.43	4,997.43	11.20	11.10	168.06	7.08	28.70	128.13	106.00	22.13	5.790		
5,100.00	5,097.33	5,097.33	5,097.33	11.44	11.33	168.47	7.08	28.70	132.64	110.07	22.58	5.875		
5,200.00	5,197.22	5,197.22	5,197.22	11.67	11.55	168.86	7.08	28.70	137.17	114.14	23.03	5.957		
5,300.00	5,297.12	5,297.12	5,297.12	11.91	11.78	169.22	7.08	28.70	141.69	118.22	23.47	6.036		
5,400.00	5,397.01	5,397.01	5,397.01	12.14	12.00	169.56	7.08	28.70	146.22	122.30	23.92	6.112		
5,500.00	5,496.90	5,496.90	5,496.90	12.37	12.22	169.87	7.08	28.70	150.76	126.39	24.37	6.186		
5,600.00	5,596.80	5,596.80	5,596.80	12.61	12.45	170.17	7.08	28.70	155.30	130.48	24.82	6.256		
5,700.00	5,696.69	5,696.69	5,696.69	12.84	12.67	170.45	7.08	28.70	159.85	134.58	25.27	6.325		
5,800.00	5,796.58	5,796.58	5,796.58	13.08	12.90	170.72	7.08	28.70	164.40	138.68	25.72	6.391		
5,900.00	5,896.48	5,896.48	5,896.48	13.32	13.12	170.97	7.08	28.70	168.95	142.78	26.17	6.456		
6,000.00	5,996.37	5,996.37	5,996.37	13.55	13.35	171.21	7.08	28.70	173.51	146.88	26.62	6.518		
6,100.00	6,096.26	6,096.26	6,096.26	13.79	13.57	171.44	7.08	28.70	178.06	150.99	27.07	6.578		
6,200.00	6,196.16	6,196.16	6,196.16	14.02	13.80	171.65	7.08	28.70	182.63	155.10	27.52	6.636		
6,300.00	6,296.05	6,296.05	6,296.05	14.26	14.02	171.86	7.08	28.70	187.19	159.22	27.97	6.692		
6,400.00	6,395.95	6,395.95	6,395.95	14.49	14.25	172.05	7.08	28.70	191.75	163.33	28.42	6.747		
6,500.00	6,495.84	6,495.84	6,495.84	14.73	14.47	172.24	7.08	28.70	196.32	167.45	28.87	6.800		
6,600.00	6,595.73	6,595.73	6,595.73	14.97	14.69	172.42	7.08	28.70	200.89	171.57	29.32	6.852		
6,700.00	6,695.63	6,695.63	6,695.63	15.20	14.92	172.59	7.08	28.70	205.46	175.69	29.77	6.902		
6,800.00	6,795.52	6,795.52	6,795.52	15.44	15.14	172.75	7.08	28.70	210.04	179.82	30.22	6.950		
6,900.00	6,895.41	6,895.41	6,895.41	15.68	15.37	172.91	7.08	28.70	214.61	183.94	30.67	6.997		
7,000.00	6,995.31	6,995.31	6,995.31	15.91	15.59	173.05	7.08	28.70	219.19	188.07	31.12	7.043		
7,100.00	7,095.20	7,095.20	7,095.20	16.15	15.82	173.20	7.08	28.70	223.77	192.20	31.57	7.088		
7,200.00	7,195.09	7,195.09	7,195.09	16.39	16.04	173.33	7.08	28.70	228.35	196.32	32.02	7.131		
7,300.00	7,294.99	7,294.99	7,294.99	16.62	16.27	173.47	7.08	28.70	232.93	200.45	32.47	7.173		
7,400.00	7,394.88	7,394.88	7,394.88	16.86	16.49	173.59	7.08	28.70	237.51	204.59	32.92	7.214		
7,500.00	7,494.78	7,494.78	7,494.78	17.10	16.72	173.71	7.08	28.70	242.09	208.72	33.37	7.254		
7,600.00	7,594.67	7,594.67	7,594.67	17.33	16.94	173.83	7.08	28.70	246.68	212.85	33.82	7.293		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Company:	NEWFIELD EXPLORATION CO.	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Project:	DUCHESNE COUNTY, UT	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Reference Site:	4A-18-3-3WH	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	4A-18-3-3WH	Database:	EDM 5000.1 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design 4-18-3-3WH - 4-18-3-3WH - 4-18-3-3WH - Design #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,700.00	7,694.56	7,694.56	7,694.56	17.57	17.16	173.94	7.08	28.70	251.26	216.99	34.27	7.331		
7,800.00	7,794.46	7,794.46	7,794.46	17.81	17.39	174.05	7.08	28.70	255.85	221.12	34.72	7.368		
7,900.00	7,894.35	7,894.35	7,894.35	18.04	17.61	174.16	7.08	28.70	260.43	225.26	35.18	7.404		
8,000.00	7,994.24	7,994.24	7,994.24	18.28	17.84	174.26	7.08	28.70	265.02	229.39	35.63	7.439		
8,100.00	8,094.14	8,094.14	8,094.14	18.52	18.06	174.36	7.08	28.70	269.61	233.53	36.08	7.473		
8,200.00	8,194.03	8,194.03	8,194.03	18.76	18.29	174.45	7.08	28.70	274.20	237.67	36.53	7.507		
8,300.00	8,293.92	8,293.92	8,293.92	18.99	18.51	174.54	7.08	28.70	278.79	241.81	36.98	7.539		
8,400.00	8,393.82	8,393.82	8,393.82	19.23	18.74	174.63	7.08	28.70	283.38	245.95	37.43	7.571		
8,500.00	8,493.71	8,493.71	8,493.71	19.47	18.96	174.72	7.08	28.70	287.97	250.09	37.88	7.602		
8,600.00	8,593.61	8,593.61	8,593.61	19.71	19.19	174.80	7.08	28.70	292.56	254.23	38.33	7.633		
8,700.00	8,693.50	8,693.50	8,693.50	19.94	19.41	174.88	7.08	28.70	297.15	258.37	38.78	7.662		
8,800.00	8,793.39	8,793.39	8,793.39	20.18	19.63	174.96	7.08	28.70	301.75	262.51	39.23	7.691		
8,900.00	8,893.29	8,893.29	8,893.29	20.42	19.86	175.04	7.08	28.70	306.34	266.66	39.68	7.720		
9,000.00	8,993.18	8,993.18	8,993.18	20.66	20.08	175.11	7.08	28.70	310.93	270.80	40.13	7.747		
9,100.00	9,093.07	9,093.07	9,093.07	20.89	20.31	175.18	7.08	28.70	315.53	274.94	40.58	7.775		
9,200.00	9,192.97	9,192.97	9,192.97	21.13	20.53	175.23	7.08	28.70	319.91	278.87	41.04	7.795		
9,300.00	9,292.34	9,292.34	9,292.34	21.27	20.76	175.29	7.08	28.70	315.35	274.13	41.22	7.650		
9,400.00	9,388.09	9,388.09	9,388.09	21.37	20.97	175.34	7.08	28.70	298.54	257.42	41.12	7.260		
9,500.00	9,476.71	9,476.71	9,476.71	21.43	21.17	175.39	7.08	28.70	273.53	232.24	41.28	6.626		
9,600.00	9,554.95	9,554.05	9,554.04	21.48	21.34	175.44	6.70	28.60	248.31	206.33	41.98	5.915		
9,700.00	9,619.92	9,628.23	9,627.72	21.53	21.46	175.49	-1.23	26.68	234.14	191.53	42.61	5.495		
9,731.14	9,637.06	9,652.69	9,651.66	21.54	21.50	175.54	-6.07	25.50	233.21	190.53	42.67	5.465		
9,800.00	9,669.25	9,709.84	9,705.50	21.60	21.60	175.59	-21.58	21.74	238.00	195.64	42.35	5.619		
9,900.00	9,701.11	9,803.64	9,791.72	21.82	21.75	175.64	-59.38	12.56	261.65	220.86	40.79	6.414		
10,000.00	9,714.34	9,919.38	9,885.09	22.24	21.97	175.69	-125.45	-3.49	300.91	262.75	38.16	7.885		
10,100.00	9,711.32	10,082.72	9,986.56	22.82	22.47	175.74	-249.00	-33.49	345.23	310.91	34.32	10.060		
10,200.00	9,706.33	10,339.02	10,054.41	23.54	23.87	175.79	-486.58	-91.19	365.94	334.76	31.18	11.737		
10,300.00	9,701.34	10,458.17	10,049.91	24.39	24.76	175.84	-602.63	-117.64	360.06	329.26	30.80	11.692		
10,400.00	9,696.35	10,552.59	10,045.17	25.36	25.54	175.89	-695.54	-133.72	356.03	325.22	30.81	11.556		
10,500.00	9,691.36	10,648.57	10,040.34	26.43	26.43	175.94	-790.68	-145.33	353.65	322.62	31.03	11.397		
10,600.00	9,686.37	10,745.64	10,035.47	27.60	27.42	176.00	-887.37	-152.20	352.42	320.97	31.45	11.205		
10,700.00	9,681.38	10,843.42	10,030.58	28.85	28.49	176.05	-985.00	-154.14	351.98	319.93	32.05	10.982		
10,800.00	9,676.39	10,943.41	10,025.58	30.16	29.66	176.10	-1,084.87	-153.82	351.83	319.06	32.77	10.736		
10,900.00	9,671.40	11,043.41	10,020.59	31.54	30.89	176.15	-1,184.74	-153.51	351.69	318.16	33.54	10.487		
11,000.00	9,666.41	11,143.40	10,015.60	32.98	32.19	176.20	-1,284.60	-153.19	351.56	317.21	34.35	10.236		
11,100.00	9,661.42	11,243.39	10,010.61	34.46	33.55	176.25	-1,384.47	-152.88	351.43	316.23	35.19	9.985		
11,200.00	9,656.43	11,343.38	10,005.62	35.99	34.96	176.30	-1,484.34	-152.56	351.30	315.22	36.08	9.737		
11,300.00	9,651.44	11,443.37	10,000.63	37.55	36.41	176.35	-1,584.20	-152.24	351.18	314.18	37.00	9.492		
11,400.00	9,646.45	11,543.37	9,995.63	39.14	37.91	176.40	-1,684.07	-151.93	351.06	313.11	37.95	9.251		
11,500.00	9,641.46	11,643.36	9,990.64	40.77	39.45	176.45	-1,783.94	-151.61	350.95	312.02	38.93	9.016		
11,600.00	9,636.47	11,743.35	9,985.65	42.41	41.01	176.50	-1,883.81	-151.30	350.84	310.91	39.93	8.786		
11,700.00	9,631.47	11,843.34	9,980.66	44.08	42.61	176.55	-1,983.67	-150.98	350.74	309.77	40.96	8.563		
11,800.00	9,626.48	11,943.33	9,975.67	45.78	44.23	176.60	-2,083.54	-150.66	350.64	308.62	42.01	8.346		
11,900.00	9,621.49	12,043.33	9,970.67	47.48	45.88	176.65	-2,183.41	-150.35	350.54	307.46	43.08	8.136		
12,000.00	9,616.50	12,143.32	9,965.68	49.21	47.54	176.70	-2,283.27	-150.03	350.45	306.27	44.18	7.933		
12,100.00	9,611.51	12,243.31	9,960.69	50.95	49.23	176.75	-2,383.14	-149.72	350.36	305.08	45.29	7.737		
12,200.00	9,606.52	12,343.30	9,955.70	52.70	50.93	176.80	-2,483.01	-149.40	350.28	303.87	46.41	7.547		
12,300.00	9,601.53	12,443.30	9,950.71	54.47	52.64	176.85	-2,582.87	-149.08	350.20	302.65	47.55	7.365		
12,400.00	9,596.54	12,543.29	9,945.71	56.24	54.37	176.90	-2,682.74	-148.77	350.13	301.42	48.71	7.188		
12,500.00	9,591.55	12,643.28	9,940.72	58.02	56.11	176.95	-2,782.61	-148.45	350.06	300.19	49.88	7.018		
12,600.00	9,586.56	12,743.27	9,935.73	59.82	57.87	177.00	-2,882.47	-148.14	350.00	298.94	51.06	6.855		
12,700.00	9,581.57	12,843.26	9,930.74	61.62	59.63	177.05	-2,982.34	-147.82	349.94	297.68	52.26	6.697		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Company:	NEWFIELD EXPLORATION CO.	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Project:	DUCHESNE COUNTY, UT	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Reference Site:	4A-18-3-3WH	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	4A-18-3-3WH	Database:	EDM 5000.1 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

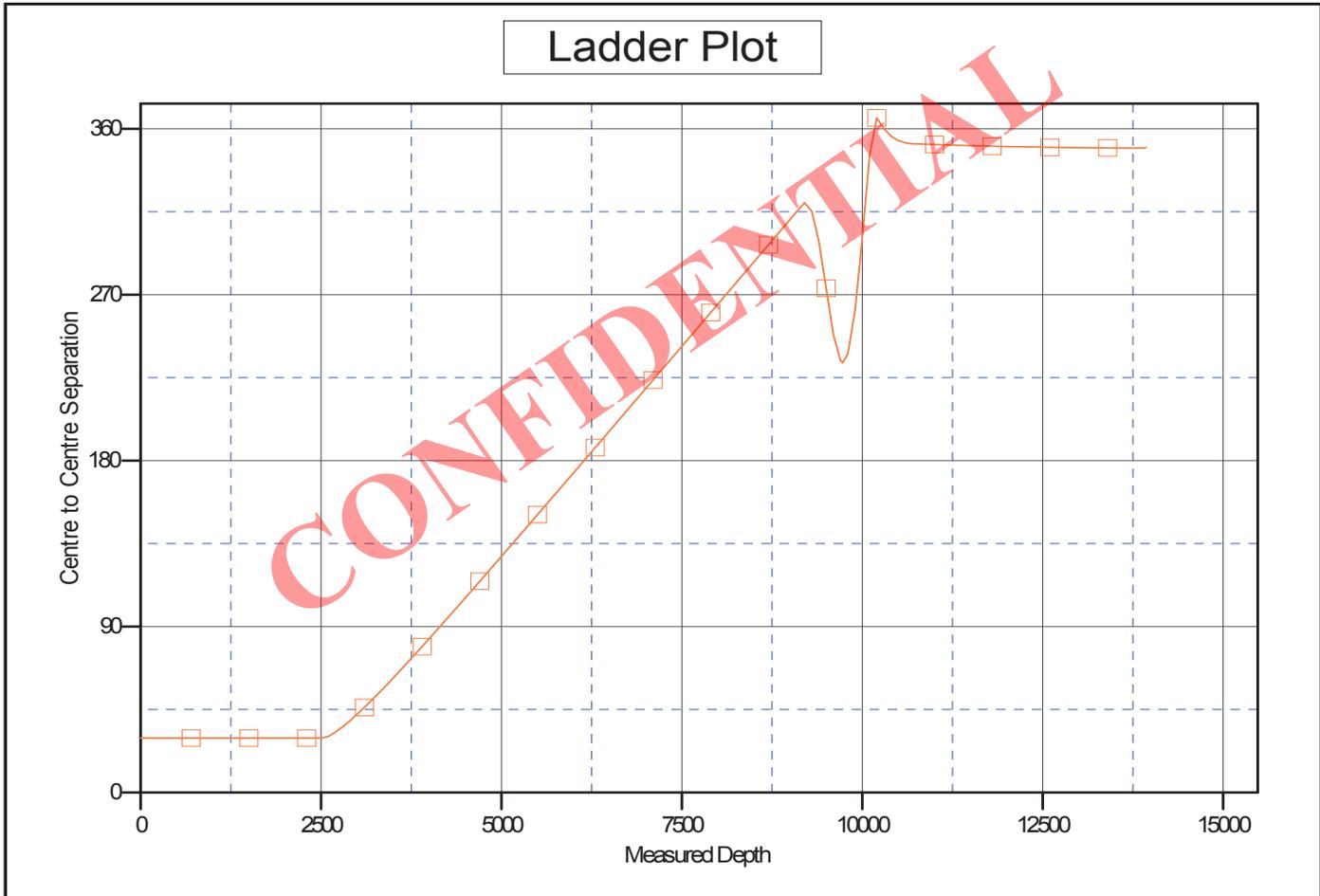
Offset Design												4-18-3-3WH - 4-18-3-3WH - 4-18-3-3WH - Design #1	Offset Site Error:	0.00 ft
Survey Program:												0-MWD	Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)		Separation Factor	
12,800.00	9,576.58	12,943.26	9,925.75	63.43	61.40	-177.73	-3,082.21	-147.51	349.89	296.42	53.46	6.544		
12,900.00	9,571.59	13,043.25	9,920.76	65.24	63.19	-177.93	-3,182.08	-147.19	349.84	295.15	54.68	6.398		
13,000.00	9,566.60	13,143.24	9,915.76	67.06	64.97	-178.14	-3,281.94	-146.87	349.79	293.88	55.91	6.256		
13,100.00	9,561.61	13,243.23	9,910.77	68.89	66.77	-178.35	-3,381.81	-146.56	349.75	292.60	57.15	6.120		
13,200.00	9,556.62	13,343.22	9,905.78	70.72	68.57	-178.55	-3,481.68	-146.24	349.71	291.31	58.40	5.988		
13,300.00	9,551.63	13,443.22	9,900.79	72.56	70.38	-178.76	-3,581.54	-145.93	349.68	290.01	59.67	5.861		
13,400.00	9,546.64	13,543.21	9,895.80	74.40	72.20	-178.96	-3,681.41	-145.61	349.65	288.72	60.94	5.738		
13,500.00	9,541.65	13,643.20	9,890.80	76.25	74.02	-179.17	-3,781.28	-145.29	349.63	287.41	62.22	5.619		
13,600.00	9,536.66	13,743.19	9,885.81	78.10	75.85	-179.38	-3,881.14	-144.98	349.61	286.10	63.51	5.505		
13,700.00	9,531.67	13,843.18	9,880.82	79.95	77.68	-179.58	-3,981.01	-144.66	349.60	284.79	64.81	5.394		
13,800.00	9,526.68	13,943.18	9,875.83	81.81	79.51	-179.79	-4,080.88	-144.35	349.59	283.47	66.12	5.287		
13,900.00	9,521.69	14,043.17	9,870.84	83.67	81.35	-180.00	-4,180.74	-144.03	349.58	282.14	67.44	5.183		
13,916.08	9,520.89	14,059.25	9,870.03	83.97	81.64	179.97	-4,196.81	-143.98	349.58	281.93	67.66	5.167		
13,933.83	9,520.00	14,059.92	9,870.00	84.30	81.66	179.97	-4,197.48	-143.98	350.00	282.22	67.78	5.164		

CONFIDENTIAL



Company:	NEWFIELD EXPLORATION CO.	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Project:	DUCHESNE COUNTY, UT	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Reference Site:	4A-18-3-3WH	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	4A-18-3-3WH	Database:	EDM 5000.1 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5521.50ft (PIONEER 68) Coordinates are relative to: 4A-18-3-3WH
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Utah Central Zone
 Central Meridian is 111° 30' 0.000 W Grid Convergence at Surface is: 0.79°



LEGEND

—□— 4-18-3-3WH,4-18-3-3WH,Design#1 V0



Company:	NEWFIELD EXPLORATION CO.	Local Co-ordinate Reference:	Well 4A-18-3-3WH
Project:	DUCHESNE COUNTY, UT	TVD Reference:	WELL @ 5521.50ft (PIONEER 68)
Reference Site:	4A-18-3-3WH	MD Reference:	WELL @ 5521.50ft (PIONEER 68)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	4A-18-3-3WH	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	4A-18-3-3WH	Database:	EDM 5000.1 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5521.50ft (PIONEER 68)

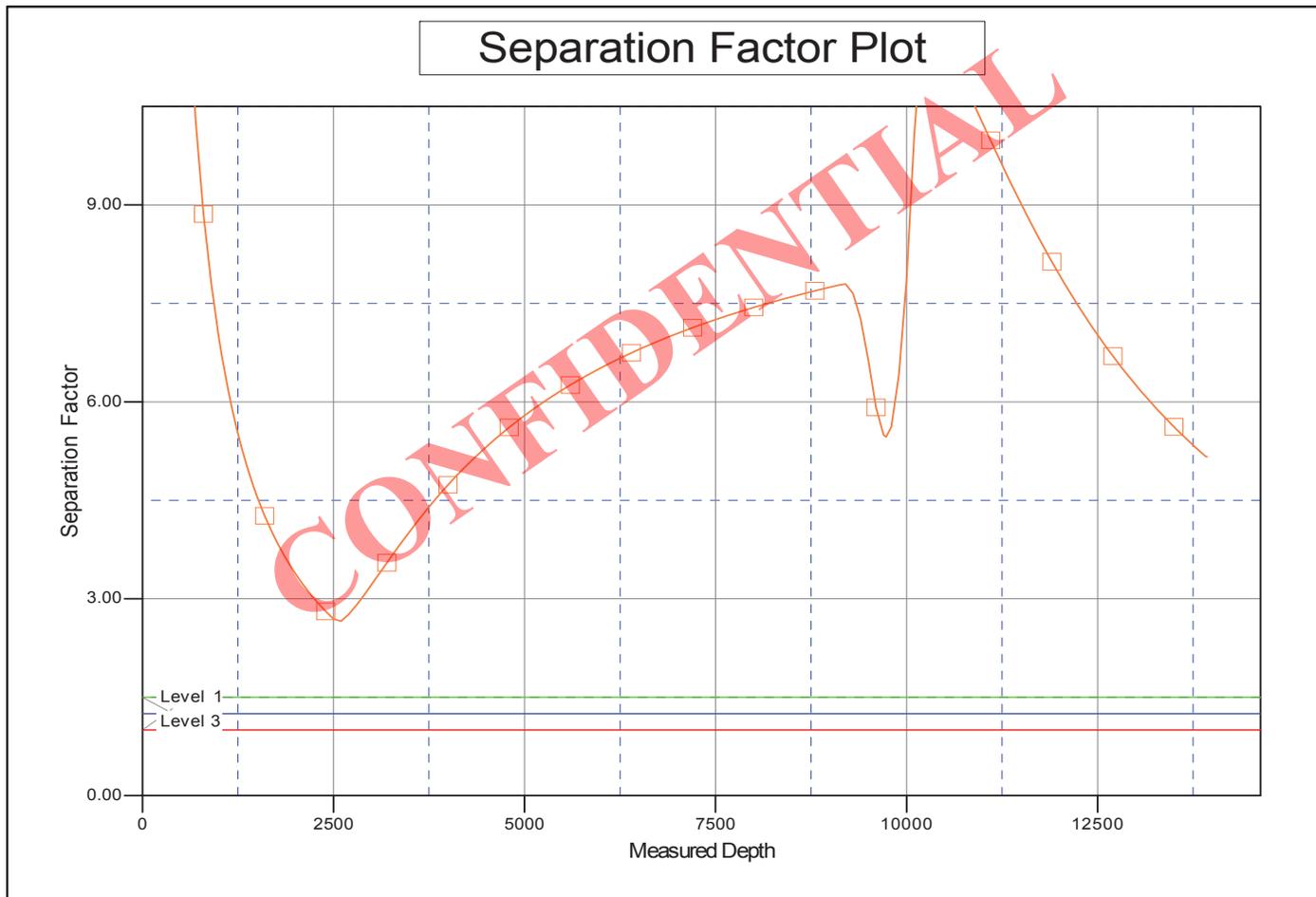
Coordinates are relative to: 4A-18-3-3WH

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Utah Central Zone

Central Meridian is 111° 30' 0.000 W

Grid Convergence at Surface is: 0.79°



LEGEND

4-18-3-3WH,4-18-3-3WH,Design#1 V0

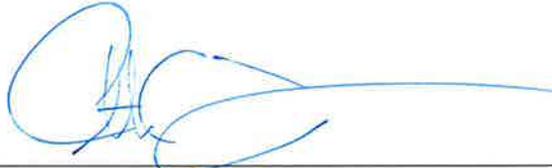
AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT

Christian C. Sizemore personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Christian C. Sizemore. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Ute Tribal 4-18-3-3WH well to be located in the NWNW of Section 18, Township 3 South, Range 3 West, Duchesne, County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Elroy T. Hoover and Marie Hoover Trusts 1997, whose address is 2274 Sirius St, Thousand Oaks, CA 91360 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated December 14, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

CONFIDENTIAL

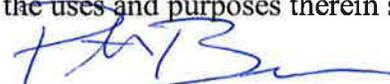


Christian C. Sizemore, Landman

ACKNOWLEDGEMENT

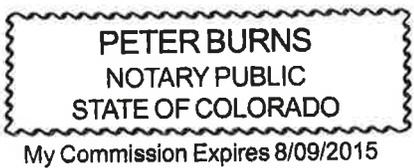
STATE OF COLORADO §
 §
 COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 15th day of December, 2011, personally appeared Christian C. Sizemore, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

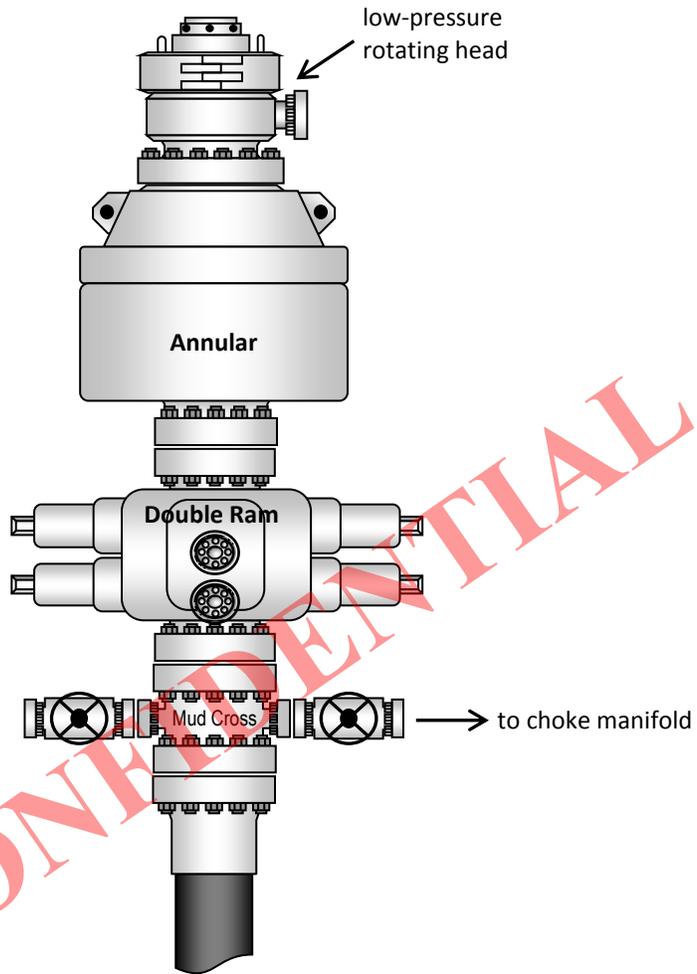


NOTARY PUBLIC

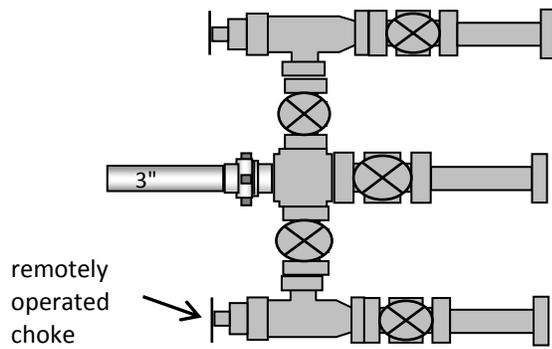
My Commission Expires:



Typical 5M BOP stack configuration



Typical 5M choke manifold configuration





October 11, 2012

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

RE: **Ute Tribal 4-18-3-3WH & Ute Tribal 4A-18-3-3WH**
Section 18, T3S, R3W
Duchesne County, Utah

Dear Mr. Hill,

Newfield Production Company ("Newfield") proposes to drill the Ute Tribal 4-18-3-3WH and the Ute Tribal 4A-18-3-3WH on the same well pad, from a surface location of 188' FNL & 988' FWL of Section 18, T3S, R3W. Newfield shall case and cement the wellbores from the surface location to the point where the wellbores reaches the legal setback of 660' FNL & 660' FWL of Section 18, T3S, R3W. The cased and cemented portion of the wellbores shall not be perforated nor produced. In the event a future recompletion into the cased and cemented portion of the wellbore is proposed, Newfield shall file the appropriate application with the State.

The proposed horizontal laterals of the Ute Tribal 4-18-3-3WH and the Ute Tribal 4A-18-3-3WH shall be drilled from north to south along the 660' FWL of Section 18 legal setback to a bottom hole location 600' FSL & 660' FWL of Section 18. In the event the horizontal laterals drift west, this letter shall serve as consent to the exception location as Newfield is the operator of the offset well in Section 13, T3S, R4W.

Please be advised the Ute Tribal 4-18-3-3WH and the Ute Tribal 4A-18-3-3WH shall be completed in the Wasatch formation. The horizontal laterals will be approximately 400' apart in depth. In addition, portions of the laterals will be closer than 1320' from the proposed NFX 5-18-3-3W wellbore. The NFX 5-18-3-3W is scheduled to spud in November of 2012. Please note the NFX 5-18-3-3W shall not be completed as a producing well.

Due to these circumstances, Newfield respectfully requests that DOGM administratively grant an exception location for the Ute Tribal 4-18-3-3WH and the Ute Tribal 4A-18-3-3WH.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-685-8025 or by email at jdembeck@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink that reads "Jessica K. Dembeck".

Jessica K. Dembeck
Land Associate

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

4-18-3-3WH (Proposed Well)

4A-18-3-3WH (Proposed Well)

Pad Location: NWNW (Lot 1) Section 18, T3S, R3W, U.S.B.&M.

1/16 Section Line/Property Line



TOP HOLE FOOTAGES

4-18-3-3WH (PROPOSED)

351' FNL & 949' FWL

4A-18-3-3WH (PROPOSED)

357' FNL & 920' FWL

TOP OF PRODUCING INTERVAL FOOTAGES

4-18-3-3WH (PROPOSED)

660' FNL & 710' FWL

4A-18-3-3WH (PROPOSED)

660' FNL & 710' FWL

BOTTOM HOLE FOOTAGES

4-18-3-3WH (PROPOSED)

660' FSL & 710' FWL

4A-18-3-3WH (PROPOSED)

660' FSL & 710' FWL

4A-18-3-3WH (PROPOSED)

4-18-3-3WH (PROPOSED)

N75°12'46"E

Exist. Drainage

Proposed Access

Edge of Proposed Pad

S33°10'58"W 374.79'
(To Top of Producing Interval)

S36°04'40"W 397.59'
(To Top of Producing Interval)

S01°57'49"W 4198.72'
(To Bottom Hole)

S02°21'17"W 4207.47'
(To Bottom Hole)

Proposed Pit

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
4-18-3-3WH	-4,204'	-173'
4A-18-3-3WH	-4,196'	-144'

LATITUDE & LONGITUDE
Surface Position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
4-18-3-3WH	40° 13' 38.41"	110° 16' 17.29"
4A-18-3-3WH	40° 13' 38.34"	110° 16' 17.66"

LATITUDE & LONGITUDE
Top of Producing Interval (NAD 83)

WELL	LATITUDE	LONGITUDE
4-18-3-3WH	40° 13' 35.27"	110° 16' 20.36"
4A-18-3-3WH	40° 13' 35.27"	110° 16' 20.36"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
4-18-3-3WH	40° 12' 56.91"	110° 16' 20.26"
4A-18-3-3WH	40° 12' 56.91"	110° 16' 20.26"

Note:
Bearings are based on GPS Observations.

SURVEYED BY: S.H.	DATE SURVEYED: 11-20-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-30-11	V8
SCALE: 1" = 60'	REVISED: R.V.C. 09-28-12	

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

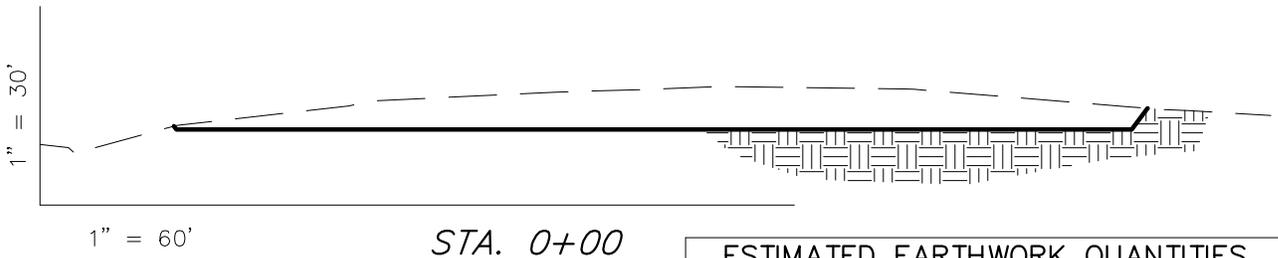
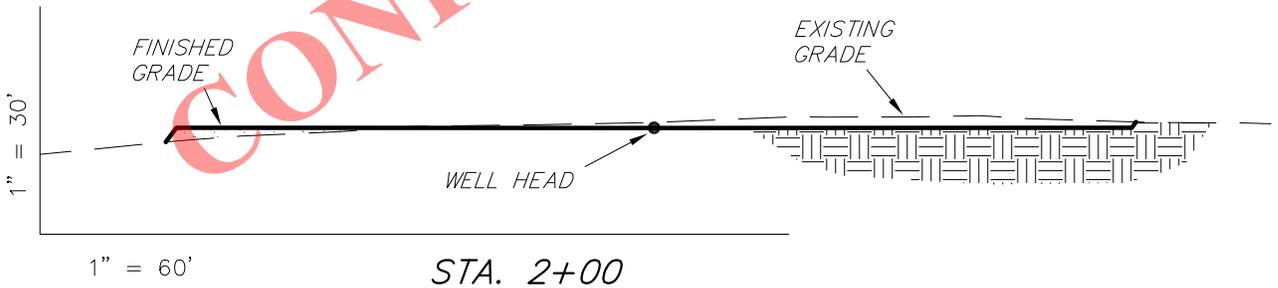
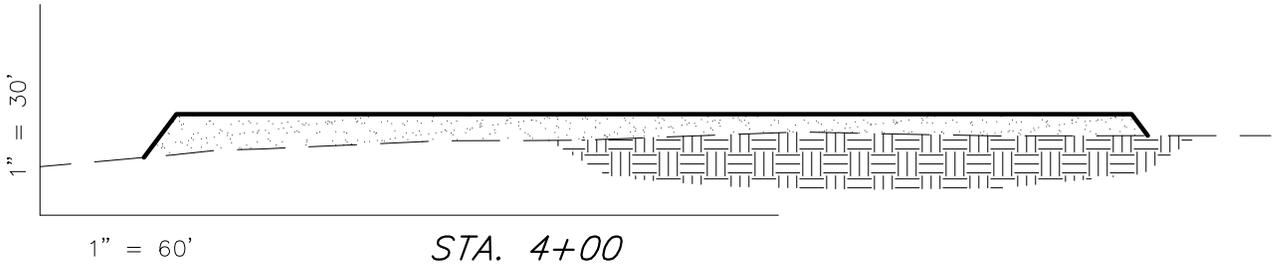
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

4-18-3-3WH

4A-18-3-3WH

Pad Location: NWNW (Lot 1) Section 18, T3S, R3W, U.S.B.&M.



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NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	5,470	5,470	Topsoil is not included in Pad Cut Volume	0
PIT	1,730	0		1,730
TOTALS	7,200	5,470	2,510	1,730

SURVEYED BY: S.H.	DATE SURVEYED: 11-20-11	VERSION: V8
DRAWN BY: F.T.M.	DATE DRAWN: 11-30-11	
SCALE: 1" = 60'	REVISED: R.V.C. 09-28-12	

Tri State
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501

NEWFIELD EXPLORATION COMPANY

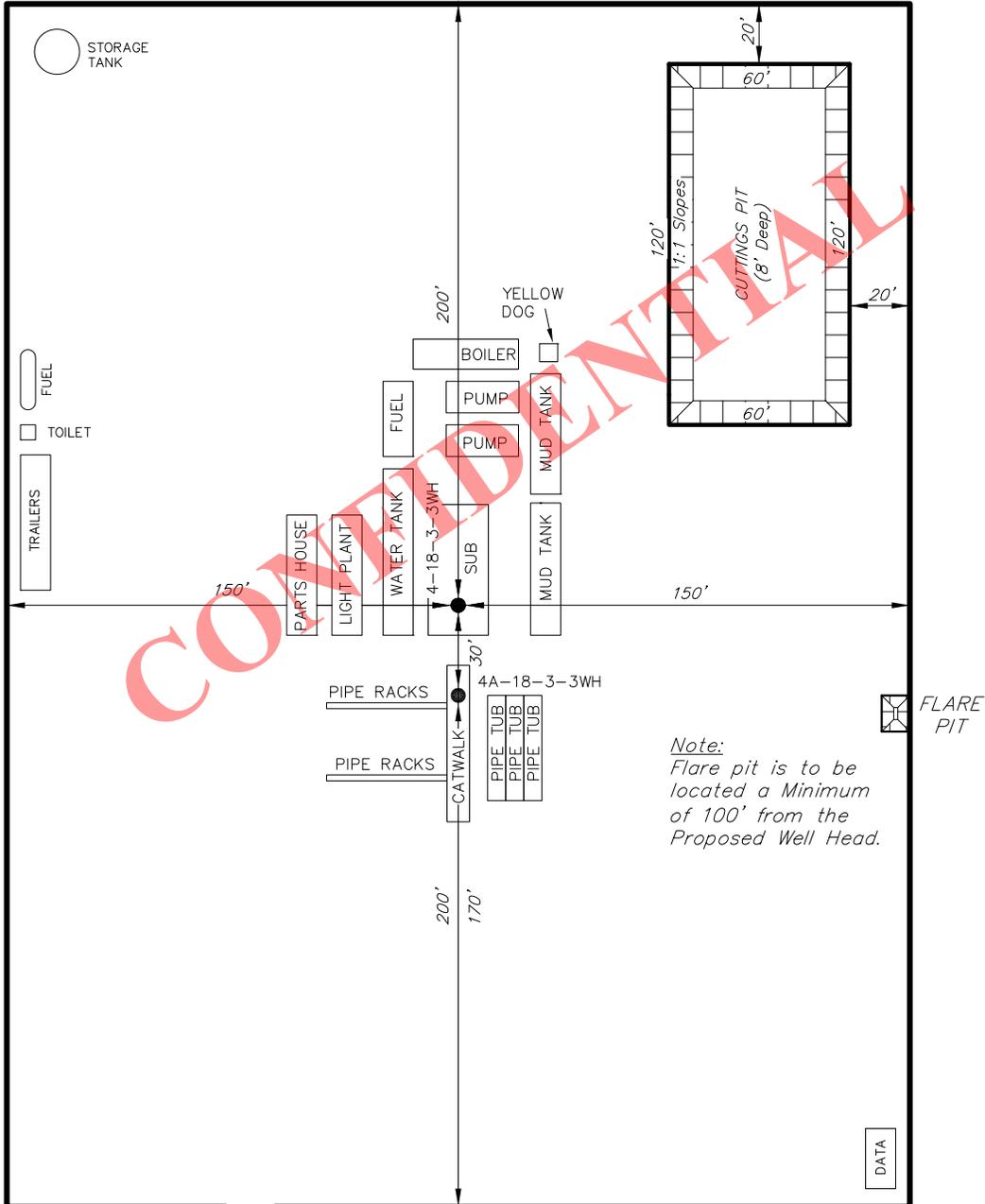
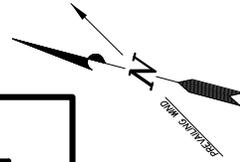
TYPICAL RIG LAYOUT

4-18-3-3WH

4A-18-3-3WH

Pad Location: NWNW (Lot 1) Section 18, T3S, R3W, U.S.B.&M.

1/16 Section Line/
Property Line



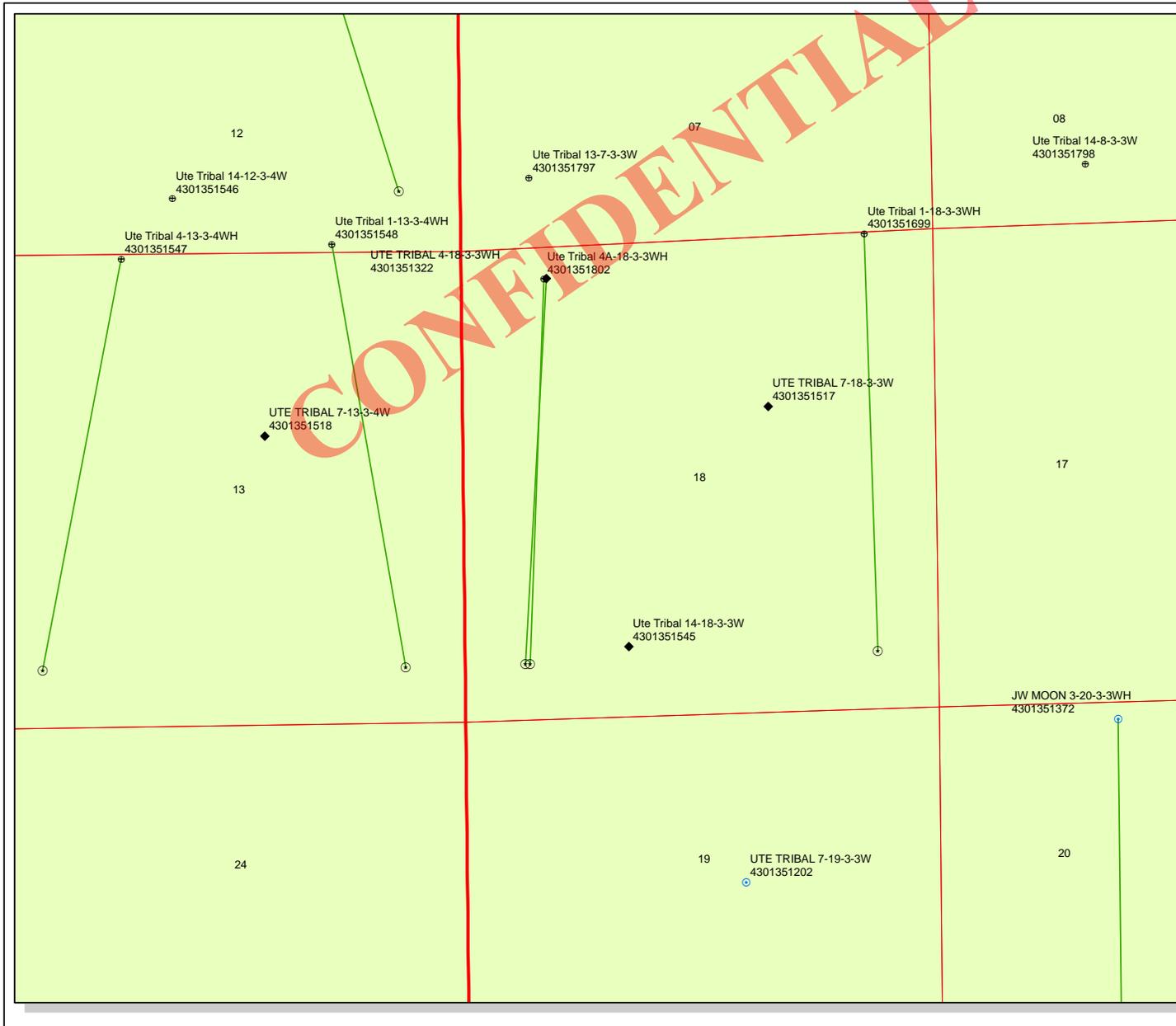
Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

Existing Drainage

PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: S.H.	DATE SURVEYED: 11-20-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 11-30-11	V8
SCALE: 1" = 60'	REVISED: R.V.C. 09-28-12	

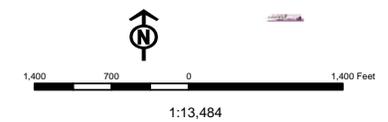
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078



API Number: 4301351802
Well Name: Ute Tribal 4A-18-3-3WH
Township T03.0S Range R03.0W Section 18
Meridian: UBM
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units STATUS	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LOC - New Location
P1 OIL	OPS - Operation Suspended
PP GAS	PA - Plugged Abandoned
PP GEOTHERML	PGW - Producing Gas Well
PP OIL	POW - Producing Oil Well
SECONDARY	SGW - Shut-in Gas Well
TERMINATED	SOW - Shut-in Oil Well
Unknown	TA - Temp. Abandoned
ABANDONED	TW - Test Well
ACTIVE	WDW - Water Disposal
COMBINED	WW - Water Injection Well
INACTIVE	WSW - Water Supply Well
STORAGE	Bottom Hole Location - Oil/Gas/Dls
TERMINATED	



Sedimentation Issues Y

soils are highly erodible and present a threat under heavy precipitation events

Site Stability Issues N**Drainage Diversion Required? Y**

location to be moved South within the drilling window to avoid building over major portions of drainage

Berm Required? Y**Erosion Sedimentation Control Required? Y**

Methods (BMP's) needed to protect pad from drainage on corner 8 before flows can reach top soil stockpiles

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

Reserve Pit**Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)		20
Dist. Nearest Municipal Well (ft)	1320 to 5280	5
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Oil Base Mud Fluid	15
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	80 1 Sensitivity Level

Characteristics / Requirements

Pit to be dug to a depth of 8'. Because of the likely hood of disturbance to existing sandstone bedrock , pit underlayment is to be used to protect the liner from potential puncture. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete.

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

Other Observations / Comments

met with T. Eaton on 4/13/2012. an ammendment to the APD will be submitted to adress the siting over the wash and moving the pad south within the drilling window
Met again to look at enlarging the site to hold multiple wells
Phone conversation 11/19/2012 with Kirby Carroll about site and plats needing to be submitted as a sundry and by email to myself

Chris Jensen

10/24/2012

Evaluator

Date / Time

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**Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining**

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7024	43013518020000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD	Elroy T and Marie Hoover (Gerald)	
Well Name	Ute Tribal 4A-18-3-3WH		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	NWNW 18 3S 3W U 357 FNL (UTM) 561969E 4453244N		920 FWL	GPS Coord	

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill
APD Evaluator

11/20/2012
Date / Time

Surface Statement of Basis

Operator has a surface agreement in place with the landowner. Location proposed is not in the best possible position within the spacing window. Location is to be moved South to avoid major portions of a drainage.

The soil type and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. Drainage , at present, cuts across pad from corner 8, a cut side, and the access road through the pad to corner 2 which is on the fill side of pad. The topsoil stockpile is proposed between the forks of the wash. Construction standards as presented on exhibits by the Operator as proposed do not appear to be adequate for the proposed purpose. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and was not in attendance for the pre-site inspection. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Chris Jensen
Onsite Evaluator

10/24/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner 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.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/23/2012

API NO. ASSIGNED: 43013518020000

WELL NAME: Ute Tribal 4A-18-3-3WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 18 030S 030W

Permit Tech Review:

SURFACE: 0357 FNL 0920 FWL

Engineering Review:

BOTTOM: 0660 FSL 0710 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.22733

LONGITUDE: -110.27160

UTM SURF EASTINGS: 561969.00

NORTHINGS: 4453244.00

FIELD NAME: WILDCAT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-6388

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - RLB00100473
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-90
- Effective Date: 5/9/2012
- Siting: 4 Producing Grrv-Wstc Wells In Sec Drl Unit
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhll
4 - Federal Approval - dmason
5 - Statement of Basis - bhll
27 - Other - bhll



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: Ute Tribal 4A-18-3-3WH
API Well Number: 43013518020000
Lease Number: 14-20-H62-6388
Surface Owner: FEE (PRIVATE)
Approval Date: 11/20/2012

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 139-90. 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

Exception Location:

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

General:

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

Conditions of Approval:

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

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

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

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

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

(please leave a voicemail message if not available)

OR

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

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

Reporting Requirements:

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

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

Approved By:



For John Rogers
Associate Director, Oil & Gas

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BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Submitted By
Branden Arnold Phone Number 435-401-02235
Well Name/Number UTE TRIBAL 4A-18-3-3WH
Qtr/Qtr NW/NW Section 18 Township 3S Range 3W
Lease Serial Number 1420H626388
API Number 43-013-51802

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

Date/Time 11/26/12 4:00 AM PM

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

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

Date/Time 11/26/12 8:00 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 _____

BLM - Vernal Field Office - Notification Form

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Operator Newfield Exploration Rig Name/# Ross 26 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number UT 4A-18-3-3WH
Qtr/Qtr NW/NW Section 18 Township 3S Range 3W
Lease Serial Number 1420H626388
API Number 43-013-51802

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

Date/Time 12/4/12 2:00 AM PM

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

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

Date/Time 12/4/12 8:00 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				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	18832	4301351517	NFX 5-18-3-3-W SWD	SWNE	18	3S	3W	DUCHESNE	11/8/2012	12/10/12
WELL 1 COMMENTS: WSTC BHL: SWNE											
B	99999	17400	4301351461	GMBU R-29-8-17	SESW	29	8S	17E	DUCHESNE	12/6/2012	12/10/12
GRRV BHL: NWSE											
B	99999	17400	4301351020	GMBU Q-29-8-17	SESW	29	8S	17E	DUCHESNE	12/6/2012	12/10/12
GRRV BHL: NWSW											
A	99999	18833	4301351322	UTE TRIBAL 4-18-3-3WH	NWNW	18	3S	3W	DUCHESNE	11/26/2012	12/10/12
WSTC BHL: SWSW											
A	99999	18834	4301351802	UTE TRIBAL 4A-18-3-3WH	NWNW	18	3S	3W	DUCHESNE	12/4/2012	12/10/12
WSTC BHL: SWSW											

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

Tasha Robison
 Signature Tasha Robison

Production Clerk

12/05/12

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

RECEIVED

DEC 06 2012

Div. of Oil, Gas & Mining

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FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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

5. Lease Serial No.
UTE TR EDA 14-20-H62-6388

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
UINTA CB-WASATCH HORZ

8. Well Name and No.
UTE TRIBAL 4A-18-3-3WH

9. API Well No.
4301351802

10. Field and Pool, or Exploratory Area
UINTA CENTRAL BASIN

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
0357 FWL 0920 FWL
NWNW Section 18 T3S R3W

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

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

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

On 12/4/12 MIRU Ross #29. Spud well @8:00 AM. Drill 68' of 17 1/2" hole with air mist. TIH W/ 2 Jt's 14" H-40 36.75# csgn. Set @ 86. On 12/5/12 cement with 100 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 1 barrels cement to pit. WOC.

RECEIVED
JAN 08 2013
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)
Branden Arnold

Signature *Branden Arnold*

Title _____

Date 12/13/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on page 2)

Newfield Production Company**4A-18-3-3WH****Surface Hole Location: 357' FNL, 920' FWL, Section 18, T3S, R3W****Bottom Hole Location: 660' FSL, 710' FWL, Section 18, T3S, R3W****Duchesne County, UT****Drilling Program****1. Formation Tops**

Uinta	surface		
Green River	3,860'		
Garden Gulch member	6,780'		
Wasatch	9,275'		
Lateral TD	9,520'	TVD /	13,934' MD

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

Base of moderately saline	994'		(water)
Green River	6,780'	- 9,275'	(oil)
Wasatch	9,275'	- 9,520'	(oil)

3. Pressure Control

<u>Section</u>	<u>BOP Description</u>
Surface	No control
Intermediate	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 2M system.
Prod/Prod Liner	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 (TVD/MD)							Burst	Collapse	Tension
Conductor 20	0'	60'	--	--	Weld	--	--	--	--	--	--
									--	--	--
Surface 13 3/8	0'	1,000'	54.5	J-55	STC	8.33	8.33	12	2,730	1,130	514,000
									4.87	3.55	9.43
Intermediate 9 5/8	0'	6,000'	40	J-55	BTC	8.5	9	15	3,950	2,570	630,000
									1.20	1.16	2.63
Production Casing 5 1/2	0'	9,520' 13,934'	20	P-110	Tenaris Blue	12.5	13	--	12,640	11,080	641,000
									2.41	2.02	2.30

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 ³	OH excess	Weight (ppg)	Yield (ft ³ /sk)
				sacks			
Conductor	24	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	66	15%	15.8	1.17
				57			
Surface Lead	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	11.0	3.33
				120			
Surface Tail	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	13.0	1.9
				210			
Intermediate Lead	12 1/4	5,000'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	1801	15%	11.0	3.53
				510			
Intermediate Tail	12 1/4	1,000'	50/50 Poz/Class G + 1% bentonite	360	15%	14.0	1.29
				279			
Production Lead	8 3/4	12,934'	50/50 Poz/Class G + 1% bentonite (foamed with nitrogen to 12.5 ppg)	3757	15%	11.0	3.53
				1064			
Production Tail	8 3/4	1,000'	50/50 Poz/Class G + 1% bentonite	291	15%	14.0	1.29
				225			

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 casing string will be calculated from an open hole caliper log, plus 15% excess.

The cement slurries will be adjusted for hole conditions and blend test results.

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
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' - 6,000'	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 13.0 ppg.
6,000' - TD	One of two possible mud systems may be used depending on offset well performance on ongoing wells: A water based mud: 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. <p style="text-align: center;">-or-</p> A diesel based OBM system: with an oil to water ratio between 70/30 and 80/20. Emulsifiers and wetting agents will be used to maintain adequate mud properties. A water phase salinity will be maintained in the range of 25% using CaCl (Calcium Chloride). All cuttings will be dried and centrifuged so that they can be easily transferred to a lined cuttings pit with little to no free fluid on them. The cuttings will be mixed with fly ash prior to transportation to a location on Newfield owned surface. Once on Newfield owned surface, the cuttings will be treated with the previously approved FIRMUS process and used as a construction material on future location and/or roads on Newfield owned surface. The cuttings may also be transported to a state approved disposal facility.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from KOP 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 KOP 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 0.65 psi/ft gradient.

$$9,520' \times 0.65 \text{ psi/ft} = 6188 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

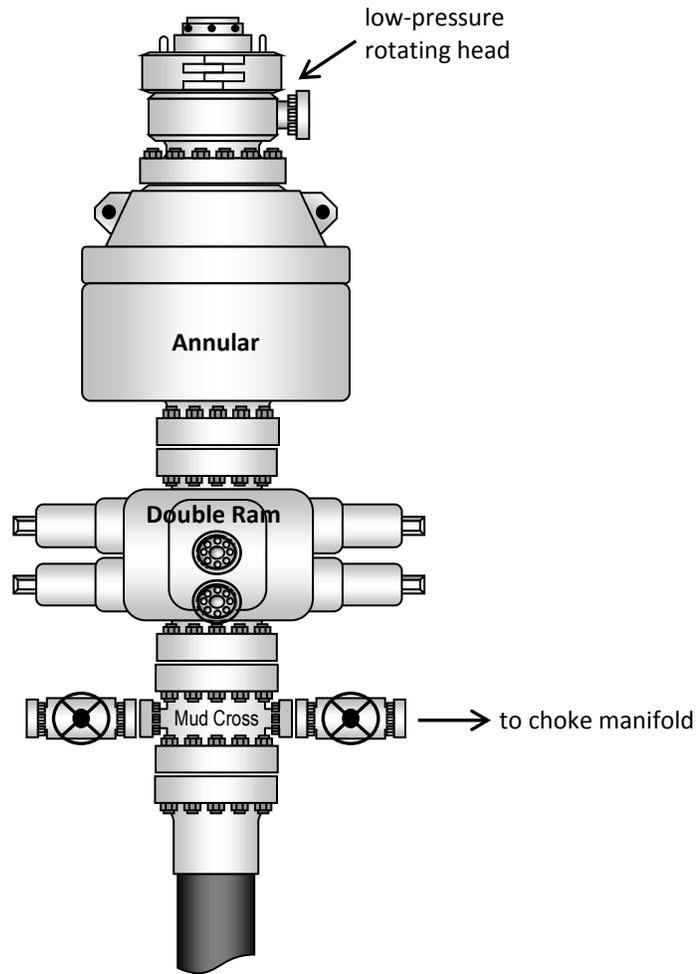
After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 9,183' . Directional tools will then be used to build to 92.86 degrees inclination. The lateral will be drilled to the bottomhole location shown on the plat. A 5.5" Longstring will be run and cemented in place.

Newfield requests the following variances from Onshore Order #2:

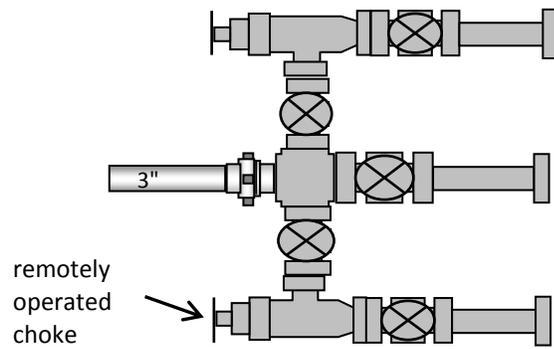
- Variance from Onshoer Order #2, III.E.1

Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6388
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Ute Tribal 4A-18-3-3WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013518020000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: WILDCAT	4. LOCATION OF WELL FOOTAGES AT SURFACE: 0357 FNL 0920 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 18 Township: 03.0S Range: 03.0W 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: 1/29/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield Production Company respectfully requests approval to set 9 5/8 inch casing to 7430 feet instead of 6000 feet and upgrade casing from J-55 to N-80 allowing an additional 2000 psi burst rating and approximately 1000 psi collapse. Attached please find an updated drilling plan reflecting these changes.

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

Date: January 24, 2013
By: Don Hamilton

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 719-2018	TITLE Permitting Agent
SIGNATURE N/A	DATE 1/24/2013	

Newfield Production Company**4A-18-3-3WH****Surface Hole Location: 357' FNL, 920' FWL, Section 18, T3S, R3W****Bottom Hole Location: 660' FSL, 710' FWL, Section 18, T3S, R3W****Duchesne County, UT****Drilling Program****1. Formation Tops**

Uinta	surface
Green River	3,860'
Garden Gulch member	6,780'
Wasatch	9,275'
Lateral TD	9,520' TVD / 13,934' MD

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

Base of moderately saline	994'	(water)
Green River	6,780' - 9,275'	(oil)
Wasatch	9,275' - 9,520'	(oil)

3. Pressure ControlSection BOP Description

Surface No control

Intermediate 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 2M system.

Prod/Prod Liner 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 (TVD/MD)							Burst	Collapse	Tension
Conductor 20	0'	60'	--	--	Weld	--	--	--	--	--	--
Surface 13 3/8	0'	1,000'	54.5	J-55	STC	8.33	8.33	12	2,730	1,130	514,000
Intermediate 9 5/8	0'	7,430'	40	N-80	BTC	8.5	9	15	4.87	3.55	9.43
Production Casing 5 1/2	0'	9,520' 13,934'	20	P-110	Tenaris Blue	12.5	13	--	5,750	3,090	737,000
									1.41	1.13	2.48
									12,640	11,080	641,000
									2.41	2.02	2.30

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 ³	OH excess	Weight (ppg)	Yield (ft ³ /sk)
				sacks			
Conductor	24	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	66	15%	15.8	1.17
				57			
Surface Lead	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	11.0	3.33
				120			
Surface Tail	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	13.0	1.9
				210			
Intermediate Lead	12 1/4	6,430'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	2316	15%	11.0	3.53
				656			
Intermediate Tail	12 1/4	1,000'	50/50 Poz/Class G + 1% bentonite	360	15%	14.0	1.29
				279			
Production Lead	8 3/4	12,934'	50/50 Poz/Class G + 1% bentonite (foamed with nitrogen to 12.5 ppg)	3757	15%	11.0	3.53
				1064			
Production Tail	8 3/4	992'	50/50 Poz/Class G + 1% bentonite	288	15%	14.0	1.29
				223			

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 casing string will be calculated from an open hole caliper log, plus 15% excess.

The cement slurries will be adjusted for hole conditions and blend test results.

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' - 7,430'

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 13.0 ppg.

7,430' - TD One of two possible mud systems may be used depending on offset well performance on ongoing wells:
A water based mud: 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.

-or-

A diesel based OBM system: with an oil to water ratio between 70/30 and 80/20. Emulsifiers and wetting agents will be used to maintain adequate mud properties. A water phase salinity will be maintained in the range of 25% using CaCl (Calcium Chloride).

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from KOP 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 KOP 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 0.65 psi/ft gradient.

$$9,520' \times 0.65 \text{ psi/ft} = 6188 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 9,183' . Directional tools will then be used to build to 92.86 degrees inclination. The lateral will be drilled to the bottomhole location shown on the plat. A 5.5" Longstring will be run and cemented in place.

Newfield requests the following variances from Onshore Order #2:

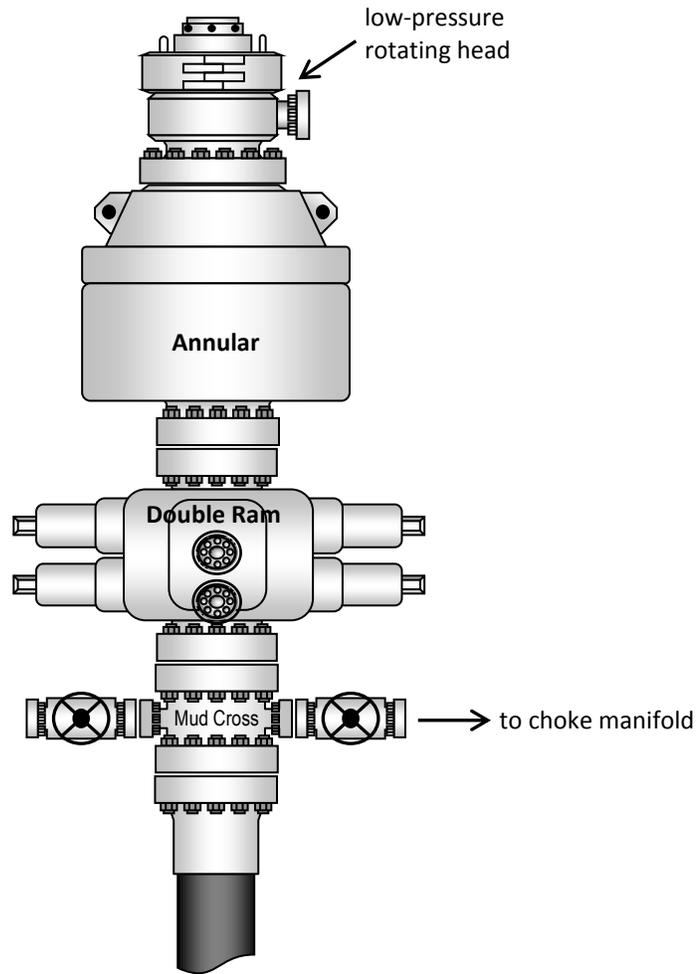
- Variance from Onshoer Order #2, III.E.1

Refer to Newfield Production Company Standard Operating Practices "Ute Tribal

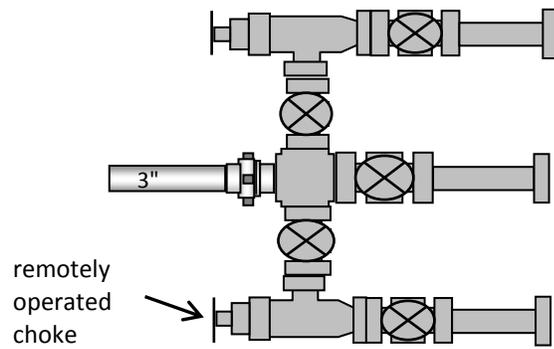
Green River Development Program" paragraph 9.0

If oil based mud is used, all processed drill cuttings would be removed from the well bore using a closed loop system. Cuttings would be dried and centrifuged and then temporarily stored within a lined pit that would be constructed inboard of the pad area. The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit, and a minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times. All cuttings will be mechanically dried and centrifuged so that they can be easily transferred to a lined cuttings pit with little to no free fluid on them. Samples of the mechanically dried cuttings will be taken for chemical analysis. The cuttings will then be mixed with a chemical drying agent and the chemically dried oil-based cuttings will be placed in a lined cuttings pit on the generating location that is separated from the water based cuttings. The pit will be of sufficient size to contain all cuttings generated in the drilling process. At this point, the chemically dried oil-based cuttings are ready for the Firmus® construction process or the cuttings may also be transported to a state approved disposal facility. If we are not going to use oil based mud, we will build a conventional reserve pit and it will be reclaimed by emptying, and covering with the process that we currently use.

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

OCT 16 2012

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H626388
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
2. Name of Operator NEWFIELD EXPLORATION COMPANY Contact: DON S HAMILTON Email: starpoint@etv.net		7. If Unit or CA Agreement, Name and No.
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052		8. Lease Name and Well No. UTE TRIBAL 4A-18-3-3WH
3b. Phone No. (include area code) Ph: 435-719-2018 Fx: 435-719-2019		9. API Well No. 43-013-51802
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface Lot 1 357FNL 920FWL 40.227317 N Lat, 110.271573 W Lon At proposed prod. zone Lot 4 660FSL 710FWL 40.227317 N Lat, 110.271573 W Lon		10. Field and Pool, or Exploratory UNDESIGNATED
14. Distance in miles and direction from nearest town or post office* 13.0 MILES NORTHWEST OF MYTON, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 18 T3S R3W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 357	16. No. of Acres in Lease 19034.57	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 30	19. Proposed Depth 13934 MD 9520 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5507 GL	22. Approximate date work will start 11/15/2012	17. Spacing Unit dedicated to this well 40.00
		20. BLM/BIA Bond No. on file RLB0010462
		23. Estimated duration 60 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) DON S HAMILTON Ph: 435-719-2018	Date 10/16/2012
Title PERMITTING AGENT		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date NOV 06 2012
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

CONDITIONS OF APPROVAL ATTACHED

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.

Additional Operator Remarks (see next page)

Electronic Submission #155142 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFSS for processing by LESLIE ROBINSON on 10/17/2012 (13LBR0572670L, etc.)

RECEIVED

NOV 09 2012

BLM 0501 GAS MINING
JDOGM

NOTICE OF APPROVAL

** BLM REVISED **



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Ute Tribal 4A-18-3-3WH
API No: 43-013-51802

Location: Lot 1, Sec. 18, T3S, R3W
Lease No: 14-20-H62-6388
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

CONDITIONS OF APPROVAL:

Standard Operating Procedures:

- After cessation of drilling and completion operations, any visible or measurable layer of oil must be removed from the surface of the reserve pit and the pit kept free of oil.
- Pits must be free of oil and other liquid and solid wastes prior to filling. Pit liners must not be breached (cut) or filled (squeezed) while still containing fluids. The pit liner must be removed to the solids level or treated to prevent its reemergence to the surface or its interference with long-term successful revegetation.
- Reclamation will be completed in accordance with the recontouring and reseeding procedures outlined in the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM, unless otherwise specified by the private surface owner.
- The surface conditions as set forth by the owners and/or agencies.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Site Specific COA's
 1. Cement for surface casing shall be circulated to surface.
- Variances
 - Variance for air drilling granted per APD.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ($\frac{1}{4}$ $\frac{1}{4}$, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



EAGER BEAVER TESTERS INC.

P.O. BOX 1616
ROCK SPRINGS, WY 82902

PHONE:
CASPER - (307) 265-8147
ROCK SPRINGS - (307) 382-3350

BOP TEST REPORT

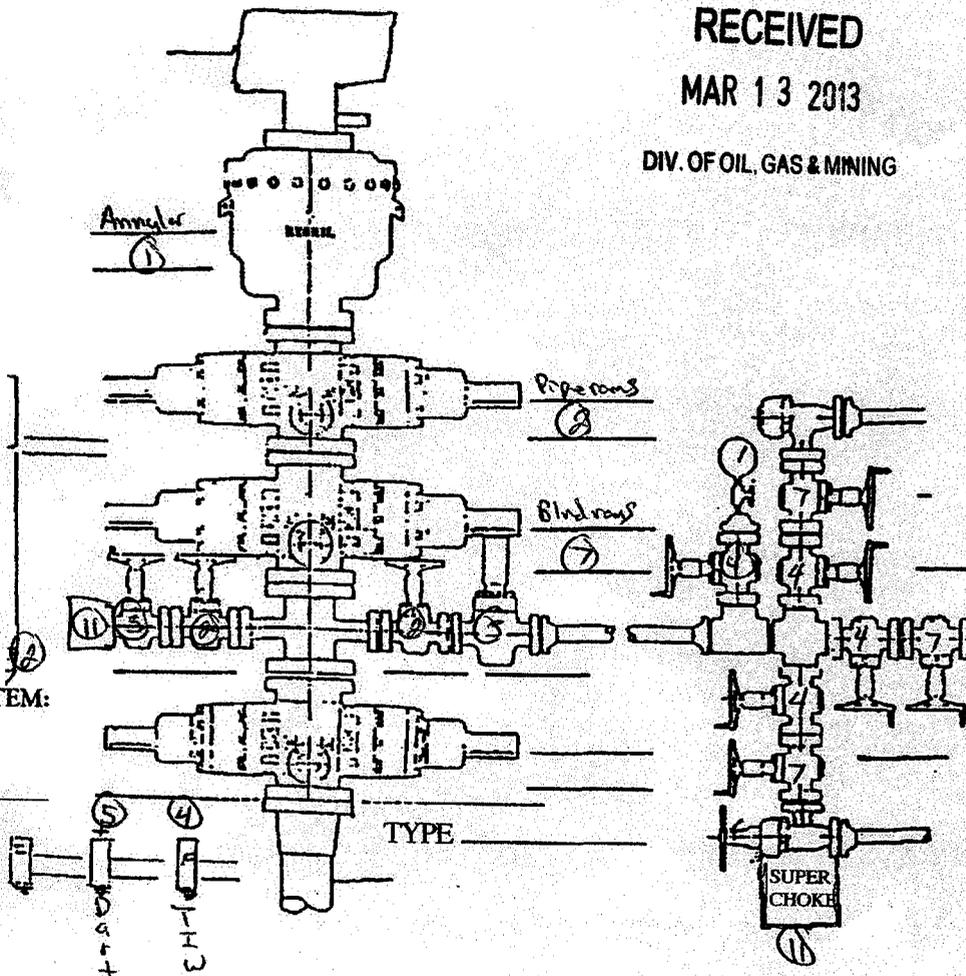
DATE: 3-7-13 OPERATOR: NewField Exp RIG OR SITE#: 68 SEC: 18 TNSHIP: 35 RANGE: 3W

FIELD: _____ WELL#: UTE Tribal 4A-18-3-3WH TEST PRESSURE: 260 / 5000

API# 43-013-51602-0000

EQUIPMENT PRESSURE TESTED:

ANNULAR 50% 70%	1
UPPER PIPE RAMS	2
LOWER PIPE RAMS	7
BLIND RAMS	7
KILL LINE VALVES	2, 3, 11
HCR VALVE	3
CHOKE VALVES	2
MANIFOLD VALVES	4, 7
SUPER CHOKE	11
MANUAL CHOKE	✓
UPPER KELLY VALVE	
LOWER KELLY VALVE	2
INSIDE BOP	5
FLOOR VALVE	4
CASING PRE.	
mud line	6
Orbit valves	8
weatherford valves	9, 10



RECEIVED

MAR 13 2013

DIV. OF OIL, GAS & MINING

ACCUMULATOR AND CLOSING SYSTEM:

NITROGEN PRECHARGE PSI 900
FIELD CHECK GUAGE CHECK _____
BOTTLES SPHERES _____

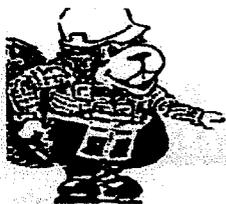
FUNCTION CHECK 1500
PUMP CHECK 56 Sec
REMOTE OPERATION CHECK
HYDRAULIC FLUID LEVEL

OTHER TESTS:

EQUIPMENT TYPE mud line PRESSURE 4000psi (6)
orbit valves. 3000psi (8)
weatherford choke valves 3000psi (9) & (10)

REPAIRS OR POTENTIAL PROBLEMS:

replaced check valves



EAGER BEAVER TESTERS

DATE: 3-7-13 COMPANY: Newfield Exp RIG: Frontier 68 WELL NAME & #: UTE Tribal 4A-18-3-3 well

ACCUMULATOR FUNCTION TESTS

TO CHECK THE USABLE FLUID STORED IN THE NITROGEN BOTTLES ON THE ACCUMULATOR

(O.S.O. #2 SECTION iii, A.3.C.1. OR II OR III)

1. Make sure all rams and annular are open and if applicable HCR is closed
2. Ensure accumulator is pumped up to working pressure! (shut off pumps)
3. Open HCR Valve (if applicable)
4. Close annular
5. Close all pipe rams
6. Open one set of the pipe rams to simulate closing the blind ram
7. If you have a 3 ram stack open the annular to achieve the 50%+ safety factor for 5M and greater systems
8. Accumulator pressure should be 200 psi over desired precharge pressure, (accumulator working pressure (1500 psi= 750 desired psi) (2000 and 3000 psi= 100 desired psi)
9. Record the remaining pressure 1500 PSI

TO CHECK THE CAPACITY OF THE ACCUMULATOR PUMPS

(O.S.O. #2 SECTION III.A.2.F.)

1. Shut the accumulator bottles or spherical, (isolate them from the pumps and manifold) Open the bleed off valve to the tank, (manifold psi should go to 0 psi) close bleed valve.
2. Open the HCR valve (if applicable)
3. Close annular
4. With pumps only, time how long it takes to regain manifold pressure to 200 psi over desired precharge pressure! (Accumulator working pressure {1500 psi=750 desired psi} {2000 and 3000 psi= 1000 desired psi})
5. Record elapsed time 56 Sec (2 minutes or less)

TO CHECK THE PRECHARGE ON BOTTLES OR SPHERICAL

(O.S.O. #2 SECTION III.A.2.D.)

1. Open bottles back up to the manifold (pressure should be above the desired precharge pressure, (1500 psi=750 desired psi) (2000 and 3000 psi= 1000 desired psi) may need to use pumps to pressure back up.
2. With power to pumps shut off open bleed line to the tank
3. Watch and record where the pressure drops (accumulator psi)
4. Record the pressure drop 900 PSI

If pressure drops below the minimum precharge, (accumulator working pressure {1500 psi=700 min}{2000 and 3000 psi=

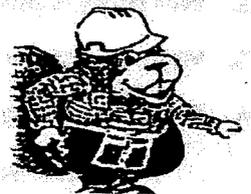
EAGER BEAVER TESTERS

DATE: 3-7-13 COMPANY: Newfield Exp RIG: ^{Pioneer} ~~Porter~~ 68 WELL NAME & #: UTE Tribal 4A-18-3-3wbl

Time	AM <input type="checkbox"/> PM <input type="checkbox"/>	Test No.	Description	Result:
2:04	AM <input type="checkbox"/> PM <input type="checkbox"/>	1	Annular	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
2:27	AM <input type="checkbox"/> PM <input type="checkbox"/>	2	Pipe rams, Inside kill & choke line valves, Kelly valve	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
3:08	AM <input type="checkbox"/> PM <input type="checkbox"/>	3	HCR, 2 nd kill line valve	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
4:15	AM <input type="checkbox"/> PM <input type="checkbox"/>	4	Inside manifold valves, Riser, TIW	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
5:24	AM <input type="checkbox"/> PM <input type="checkbox"/>	5	Dart valve	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
8:24	AM <input type="checkbox"/> PM <input type="checkbox"/>	6	mud line.	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
9:18	AM <input type="checkbox"/> PM <input type="checkbox"/>	7	Blind rams, outside manifold valves	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
10:49	AM <input type="checkbox"/> PM <input type="checkbox"/>	8	orbit valves.	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
11:19	AM <input type="checkbox"/> PM <input type="checkbox"/>	9	weatherford choke valves.	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
11:42	AM <input type="checkbox"/> PM <input type="checkbox"/>	10	weatherford choke valves.	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
12:18	AM <input type="checkbox"/> PM <input type="checkbox"/>	11	Superchoke, check valve.	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	12		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	13		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	14		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
	AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>

Acc. Tank Size (inches) (W D L) ÷ 231 = gal.

Rock Springs, WY (307) 382-3350
 BOP TESTING, CASING TESTING, LEAK OFF TESTING, &
 INTEGRITY TESTING
 NIPPLE UP CREWS, NITROGEN CHARGING SERVICE



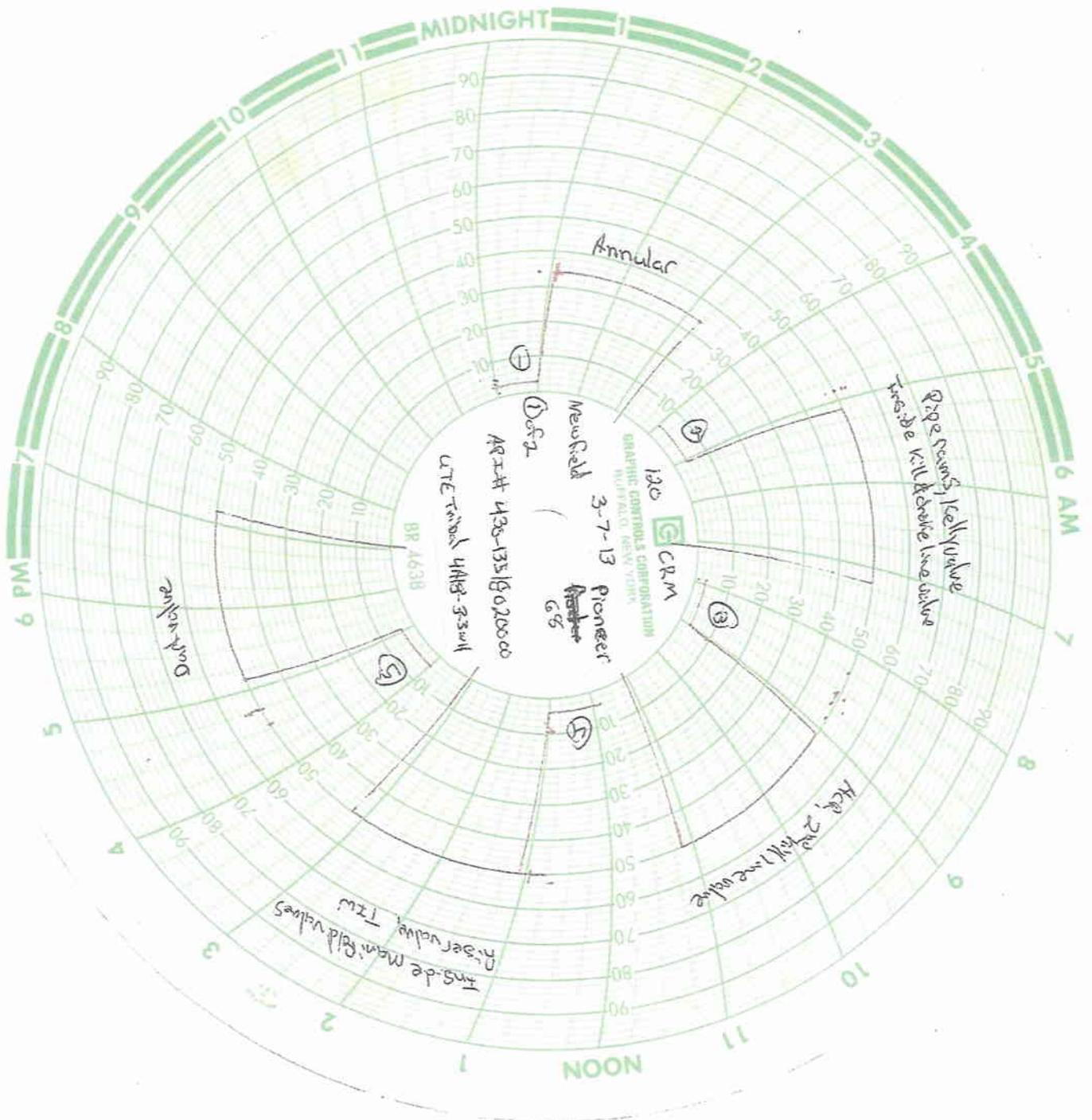
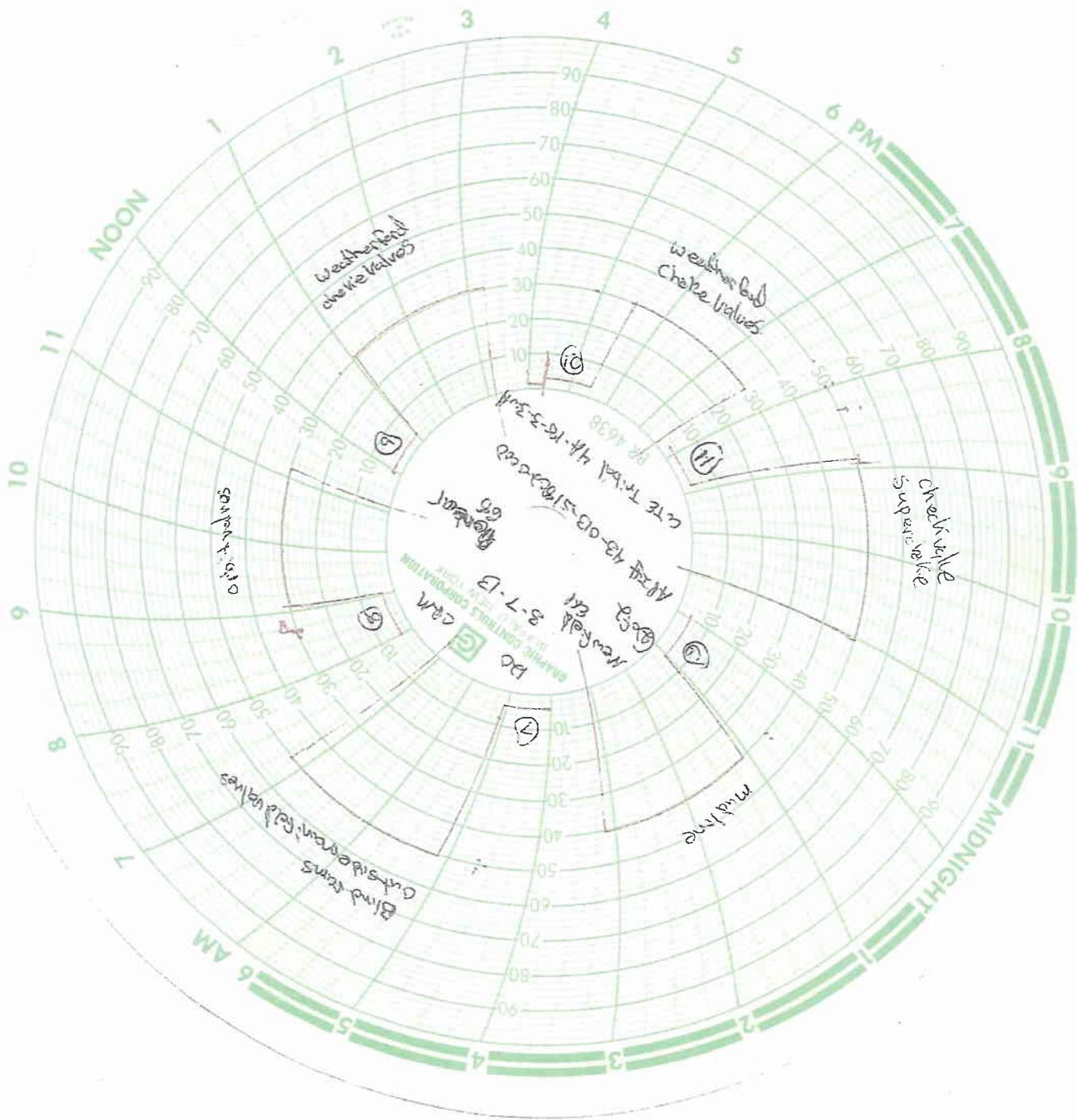


Chart #2 on reverse





EAGER BEAVER TESTERS INC.

P.O. BOX 1616
ROCK SPRINGS, WY 82901

PHONE:
CASPER - (307) 265-8147
ROCK SPRINGS - (307) 382-3350

MAR 13 2013

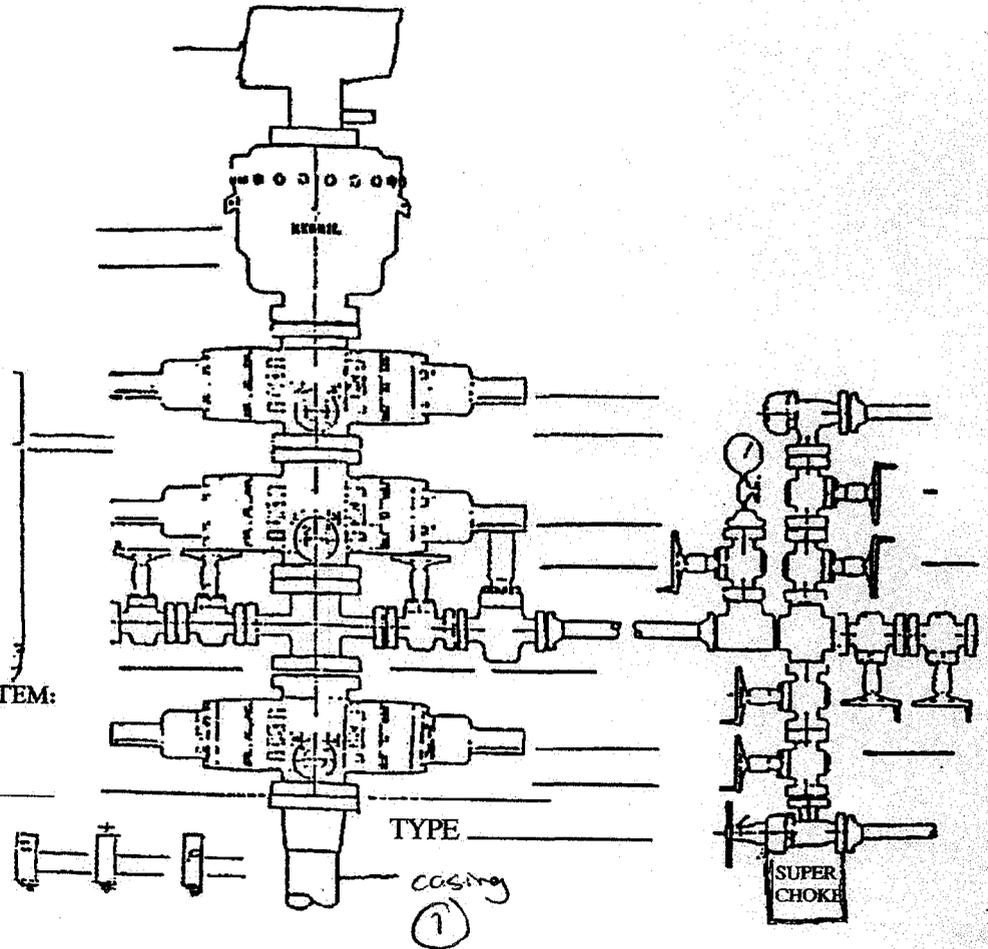
BOP TEST REPORT

DATE: 2-8-13 OPERATOR: Newfield Exp RIG OR SITE#: 68 SEC: 18 TNSHIP: 35 RANGE: 3w
Pioneer DIV. OF OIL, GAS & MINING

FIELD: _____ WELL#: LTE Tribal 4A-18-3-3wH TEST PRESSURE: 3500
APT# 42-013-S1502000

EQUIPMENT PRESSURE TESTED:

- ANNULAR 50% _____
- UPPER PIPE RAMS _____
- LOWER PIPE RAMS _____
- BLIND RAMS _____
- KILL LINE VALVES _____
- HCR VALVE _____
- CHOKE VALVES _____
- MANIFOLD VALVES _____
- SUPER CHOKE _____
- MANUAL CHOKE _____
- UPPER KELLY VALVE _____
- LOWER KELLY VALVE _____
- INSIDE BOP _____
- FLOOR VALVE _____
- CASING PRE. 3500psi



ACCUMULATOR AND CLOSING SYSTEM:

NITROGEN PRECHARGE PSI N/A
FIELD CHECK _____ GAUGE CHECK _____
BOTTLES SPHERES _____

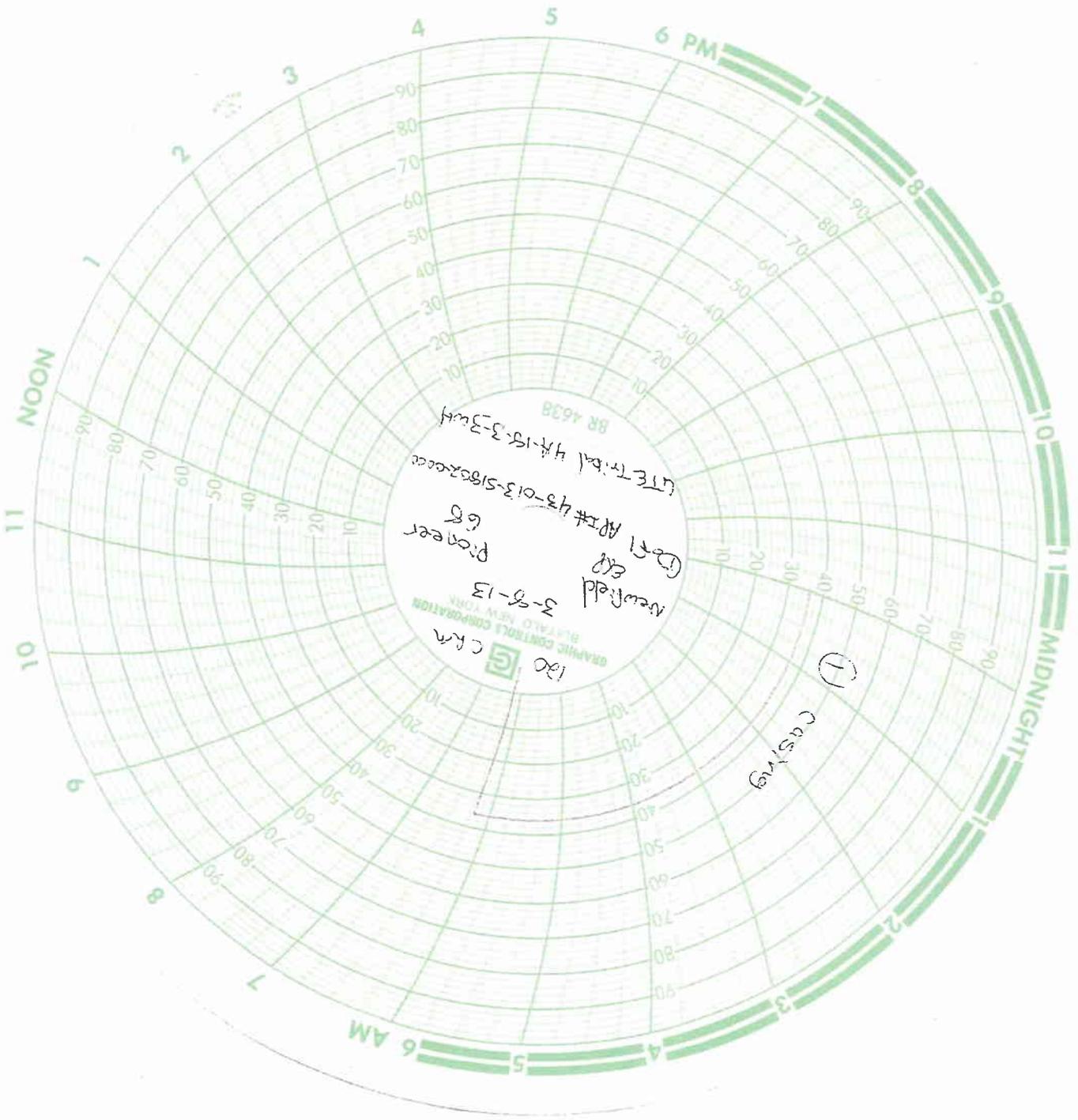
FUNCTION CHECK N/A
PUMP CHECK N/A
REMOTE OPERATION CHECK
HYDRAULIC FLUID LEVEL

OTHER TESTS:

EQUIPMENT TYPE _____ PRESSURE _____

REPAIRS OR POTENTIAL PROBLEMS:

Start test @ 6:03 am.



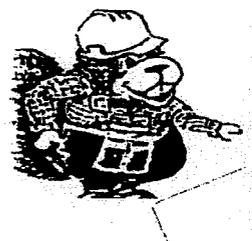
EAGER BEAVER TESTERS

DATE: 3-8-13 COMPANY: New field RIG: Pioneer 68 WELL NAME & #: UTC TRBAL 4A-18-3-3WH

Time	Test No.		Result:
5:25 AM <input type="checkbox"/> PM <input type="checkbox"/>	1	Formation Integrity Test	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	2	<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">RECEIVED</div> <div style="font-size: 1.5em; font-weight: bold; margin-bottom: 10px;">MAR 13 2013</div> <div style="font-size: 1.2em; font-weight: bold;">DIV. OF OIL, GAS & MINING</div>	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	3		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	4		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	5		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	6		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	7		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	8		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	9		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	10		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	11		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	12		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	13		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	14		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	Pass <input type="checkbox"/> Fail <input type="checkbox"/>	

Acc. Tank Size (inches) (W D L) ÷ 231 = gal.

Rock Springs, WY (307) 382-3350
 BOP TESTING, CASING TESTING, LEAK OFF TESTING, &
 INTEGRITY TESTING
 NIPPLE UP CREWS, NITROGEN CHARGING SERVICE



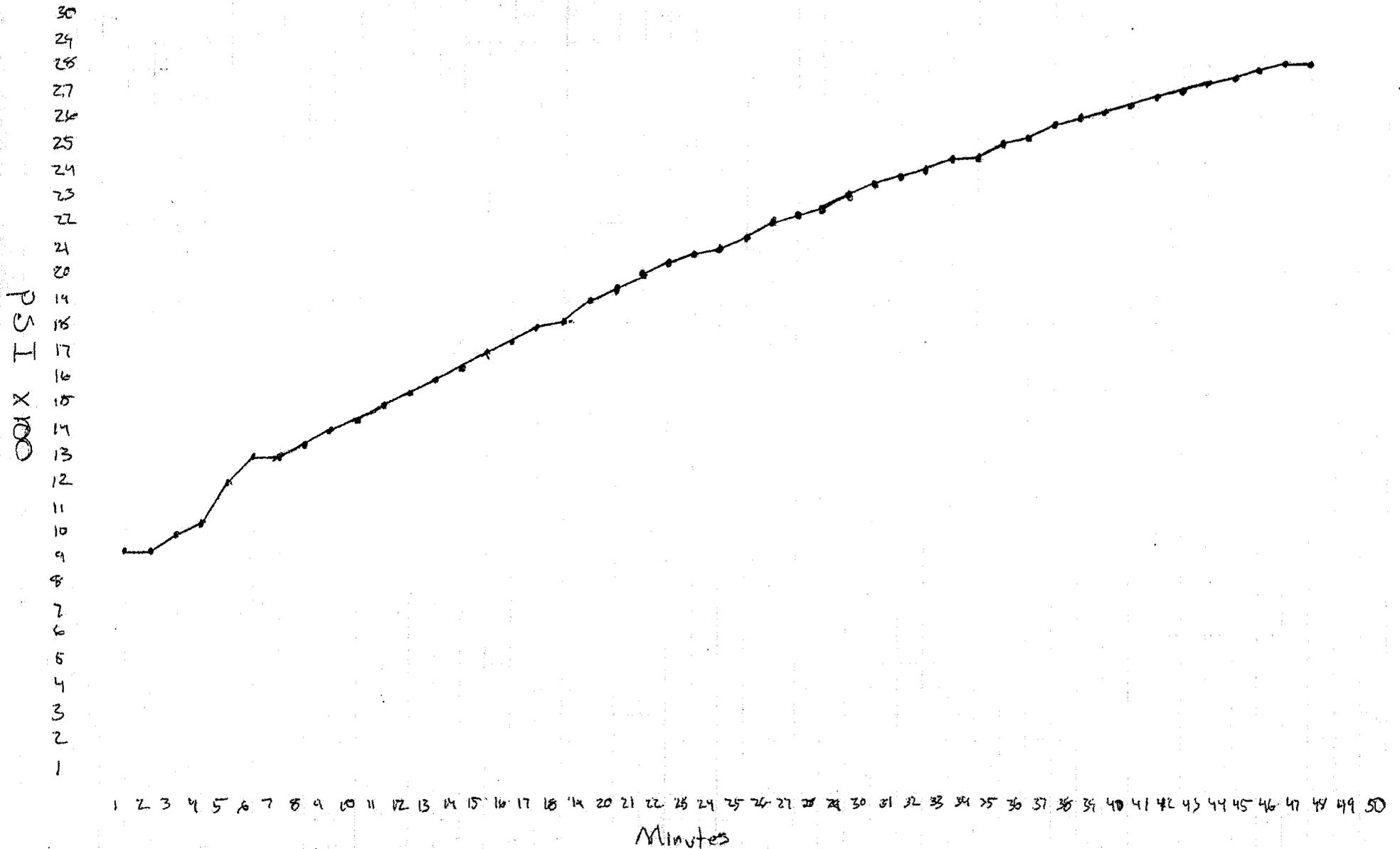
Rig Pioneer 68 AP# 28178D
API# 43013518020000 S-18/3-Sa/3-West

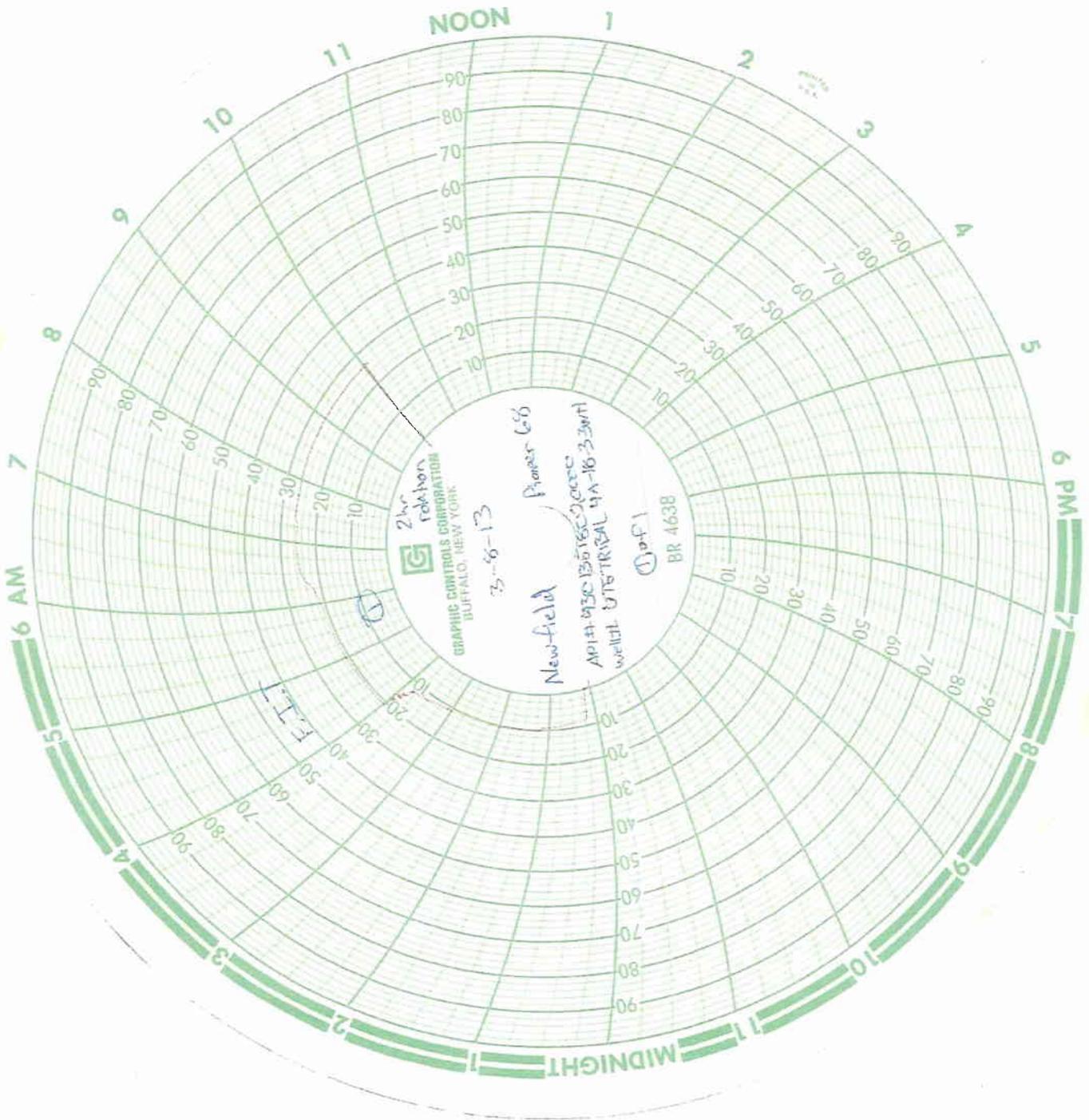
Date 3-8-13
Well# VTE TRIBAL 4A-18-3-3WH

(F.I.T TEST)

Pump set at 1000 RPM
pumping 5 gallons per minute

Final 2800 psi





 2hr
reduction
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

3-6-13

Newfield
Pioneer 656
APR 14 1938 1350 1650 20000
WELLER UTB-TRESEL 14A-16-33001
Draf
BR 4638

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
1420H626388

6. If Indian, Allottee or Tribe Name
UINTAH AND OURAY

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
UTE TRIBAL 4A-18-3-3WH

9. API Well No.
43-013-51802

10. Field and Pool or Exploratory
UNDESIGNATED

11. Sec., T., R., M., on Block and Survey or Area
SEC 18 T3S 3RW Mer UBM

12. County or Parish
DUCHESNE

13. State
UT

1. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrv.,
Other: _____

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3. Address **ROUTE #3 BOX 3630
MYTON, UT 84052**

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

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

At surface **357' FNL 920' FWL (NW/NW, LOT 1) SEC 18 T3S R3W**

At top prod. interval reported below **665' FNL 677' FWL (NW/NW, LOT 1) SEC 18 T3S R3W**

At total depth **647' FSL 833' FWL (SW/SW, LOT 4) SEC 18 T3S R3W**

14. Date Spudded **12/04/2012**

15. Date T.D. Reached **04/11/2013**

16. Date Completed **07/23/2013**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5507' GL 5525' KB

18. Total Depth: MD **13928'** TVD **9551'**

19. Plug Back T.D.: MD **13,830** TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, 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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" J-55	68	0'	1068'		1440 CLASS G			
12-1/4"	9-5/8" N-80	40	0'	7461'		285 Bondcem			
						1270 Econocem			
8-7/8"	5.5" P-110	20	0'	13916'		2060Expandace			

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@9472'	XN@9440'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch	10,028'	13,772'	10028' - 13772' MD	0.34	273	
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
10028' - 13772' MD	Frac w/ 3,134,493#s of 30/50 white sand in 74,033 bbls of Lightning 17 fluid, in 16 stages.

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

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
6/18/13	6/28/13	24	→	253	0'	658			GAS LIFT
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	
			→						

*(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.)

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
				GARDEN GULCH MARK DOUGLAS CREEK	6708' 7846'
				CASTLE PEAK UTELAND BUTTE	8809' 9132'
				WASATCH WASATCH 15	9287' 9728'

32. Additional remarks (include plugging procedure):

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

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

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) Heather Calder Title Regulatory Technician
 Signature Heather Calder Date 06/10/2014

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.

Client: NEWFIELD EXPLORATION COMPANY

Director: WEATHERFORD

Dates: 2/6/13 to 3/21/13

Calculation Method

Minimum Curvature

Proposed Azi: 181.96



County/State: DUCHESNE, UTAH

Surface Location: 188' FNL, 988' FWL

Main Lateral

Well Name: UTE TRIBAL 4A-18-3-3WH

Sec. 18 - T3S - R3W

Target Angle = 92.64

Drill Rig: PIONEER 68

Depth Reference: GL: 5507' / KB: 5525'

Target TVD = 9,728.7

SPUD Date: 02/06/13

Geologist: FRANKLIN HUGHES, ZACK ROWLAND, RYAN STREHLOW

Tool Type	BR	BRN	Survey Depth	Incl (°)	Azi (°)	CL (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bid Rate (°/100')	Wtk Rate (°/100')	BRN		
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)						
Pie-in			0	0.00	0.00		0.00	0.00	0.00									
MWD	0.3	0.8	127	0.42	96.90	127	127.00	0.04	-0.06	S	0.46	E	0.47	96.90	0.33	0.33	76.30	0.6
MWD	0.2	0.8	217	0.56	102.96	90	217.00	0.15	-0.19	S	1.22	E	1.23	99.06	0.17	0.16	6.73	0.6
VWD	-0.3	0.6	308	0.30	68.63	91	307.99	0.14	-0.21	S	1.87	E	1.88	96.31	0.39	-0.29	-37.73	0.6
VWD	0.0	0.8	429	0.25	184.15	121	428.99	0.28	-0.35	S	2.15	E	2.18	99.38	0.39	-0.04	95.47	0.6
VWD	0.1	0.8	519	0.33	120.42	90	518.99	0.60	-0.68	S	2.36	E	2.46	106.13	0.35	0.09	-70.81	0.6
MWD	0.3	0.8	640	0.67	118.05	121	639.99	1.08	-1.19	S	3.28	E	3.49	109.94	0.28	0.28	-1.96	0.6
MWD	0.2	0.8	732	0.84	119.06	92	731.98	1.62	-1.77	S	4.35	E	4.69	112.17	0.19	0.18	1.10	0.6
VWD	0.0	0.8	824	0.82	161.44	92	823.97	2.55	-2.72	S	5.15	E	5.82	117.88	0.65	-0.02	46.07	0.6
VWD	0.3	0.8	946	1.15	188.76	122	945.95	4.58	-4.76	S	5.24	E	7.08	132.27	0.46	0.27	22.39	0.6
MWD	0.5	0.8	1002	1.45	184.36	56	1001.94	5.84	-6.02	S	5.10	E	7.89	139.75	0.56	0.54	-7.86	0.6
MWD	0.7	0.8	1129	2.37	170.41	127	1128.87	10.02	-10.21	S	5.41	E	11.56	152.07	0.81	0.72	-10.98	0.6
VWD	-0.9	0.6	1190	1.81	184.83	61	1189.83	12.22	-12.42	S	5.54	E	13.60	155.95	1.25	-0.92	23.64	0.6
VWD	-1.3	0.7	1250	1.01	244.25	60	1249.81	13.41	-13.59	S	4.99	E	14.48	159.85	2.60	-1.33	99.03	0.7
VWD	0.7	0.7	1311	1.46	309.98	61	1310.80	13.18	-13.33	S	3.91	E	13.89	163.66	2.28	0.74	107.75	0.7
MWD	0.9	0.7	1372	2.00	321.90	61	1371.77	11.89	-11.99	S	2.65	E	12.28	167.51	1.06	0.89	19.54	0.7
MWD	0.2	0.7	1434	2.13	325.15	62	1433.73	10.14	-10.19	S	1.33	E	10.28	172.57	0.28	0.21	5.24	0.7
VWD	0.5	0.7	1495	2.44	323.27	61	1494.68	8.22	-8.22	S	-0.10	W	8.22	180.67	0.52	0.51	-3.08	0.7
VWD	0.5	0.7	1556	2.75	323.52	61	1555.62	6.06	-6.00	S	-1.74	W	6.25	196.18	0.51	0.51	0.41	0.7
VWD	0.3	0.7	1617	2.94	319.77	61	1616.54	3.75	-3.63	S	-3.62	W	5.13	224.92	0.44	0.31	-8.15	0.7
MWD	0.1	0.7	1678	3.00	316.15	61	1677.46	1.48	-1.29	S	-5.74	W	5.88	257.35	0.32	0.10	-5.93	0.7
MWD	0.1	0.7	1738	3.06	313.65	60	1737.38	-0.68	0.95	N	-7.99	W	8.04	276.79	0.24	0.10	-4.17	0.7
VWD	-0.2	0.7	1800	2.94	310.02	62	1799.29	-2.76	3.11	N	-10.40	W	10.86	286.67	0.36	-0.19	-5.85	0.7
VWD	0.3	0.7	1863	3.15	318.92	63	1862.20	-5.02	5.46	N	-12.77	W	13.89	293.14	0.82	0.33	14.13	0.7
MWD	0.3	0.7	1926	3.33	320.19	63	1925.10	-7.65	8.17	N	-15.08	W	17.15	298.44	0.31	0.29	2.02	0.7
MWD	0.2	0.7	1989	3.48	318.77	63	1987.99	-10.41	11.01	N	-17.52	W	20.69	302.16	0.27	0.24	-2.25	0.7
VWD	0.6	0.7	2050	3.87	316.32	61	2048.87	-13.20	13.89	N	-20.16	W	24.48	304.58	0.69	0.64	-4.02	0.7
VWD	0.2	0.7	2112	3.97	325.50	62	2110.72	-16.39	17.18	N	-22.82	W	28.56	306.97	1.02	0.16	14.81	0.7
VWD	0.2	0.7	2174	4.06	329.68	62	2172.57	-19.98	20.85	N	-25.15	W	32.67	309.66	0.51	0.18	6.74	0.7
MWD	0.2	0.7	2236	4.22	327.71	62	2234.41	-23.73	24.68	N	-27.48	W	36.94	311.93	0.32	0.23	-3.18	0.7
MWD	-1.5	0.7	2298	3.30	322.06	62	2296.27	-26.98	28.02	N	-29.79	W	40.90	313.24	1.60	-1.48	-9.11	0.7
VWD	-0.6	0.7	2422	2.60	328.77	124	2420.11	-32.07	33.24	N	-33.45	W	47.15	314.82	0.63	-0.56	5.41	0.7
VWD	0.1	0.8	2484	2.66	323.43	62	2482.04	-34.38	35.59	N	-35.03	W	49.94	315.45	0.41	0.10	-8.61	0.8
MWD	-1.0	0.8	2546	2.04	325.98	62	2543.99	-36.39	37.66	N	-36.51	W	52.45	315.89	1.01	-1.00	4.11	0.8
VWD	-0.6	0.8	2608	1.67	328.80	62	2605.96	-38.04	39.35	N	-37.59	W	54.42	316.31	0.61	-0.60	4.55	0.8
VWD	0.2	0.8	2670	1.77	331.10	62	2667.93	-39.62	40.96	N	-38.52	W	56.23	316.76	0.20	0.16	3.71	0.8
VWD	-0.1	0.8	2733	1.69	323.27	63	2730.90	-41.18	42.56	N	-39.55	W	58.10	317.10	0.40	-0.13	-12.43	0.8
VWD	0.2	0.8	2797	1.80	324.23	64	2794.87	-42.71	44.13	N	-40.70	W	60.04	317.31	0.18	0.17	1.50	0.8
MWD	-0.2	0.8	2859	1.65	321.45	62	2856.84	-44.16	45.62	N	-41.83	W	61.89	317.48	0.28	-0.24	-4.48	0.8
MWD	0.5	0.8	2922	1.98	324.65	63	2919.81	-45.72	47.22	N	-43.02	W	63.88	317.66	0.55	0.52	5.08	0.8
VWD	0.4	0.8	2985	2.25	327.16	63	2982.77	-47.60	49.14	N	-44.32	W	66.18	317.95	0.45	0.43	3.98	0.8
VWD	0.0	0.8	3047	2.24	329.06	62	3044.72	-49.61	51.20	N	-45.61	W	68.57	318.31	0.12	-0.02	3.06	0.8
VWD	-0.6	0.8	3109	1.86	324.08	62	3106.68	-51.43	53.06	N	-46.82	W	70.76	318.57	0.68	-0.61	-8.03	0.8
MWD	0.9	0.8	3171	2.40	329.06	62	3168.64	-53.31	54.99	N	-48.08	W	73.04	318.84	0.92	0.87	8.03	0.8
MWD	0.8	0.8	3233	2.88	330.00	62	3230.57	-55.72	57.45	N	-49.52	W	75.85	319.24	0.78	0.77	1.52	0.8
VWD	-0.1	0.8	3295	2.83	323.97	62	3292.50	-58.25	60.04	N	-51.20	W	78.90	319.54	0.49	-0.08	-9.73	0.8
VWD	-0.4	0.9	3357	2.61	322.59	62	3354.43	-60.55	62.40	N	-52.96	W	81.84	319.68	0.37	-0.35	-2.23	0.9
VWD	-0.7	0.9	3420	2.19	317.61	63	3417.37	-62.52	64.42	N	-54.64	W	84.48	319.70	0.74	-0.67	-7.90	0.9
VWD	0.8	0.9	3482	2.66	323.69	62	3479.31	-64.49	66.46	N	-56.29	W	87.10	319.73	0.86	0.76	9.81	0.9
VWD	0.3	0.9	3545	2.84	326.30	63	3542.24	-66.91	68.93	N	-58.03	W	90.10	319.91	0.35	0.29	4.14	0.9
VWD	-0.5	0.9	3607	2.50	322.69	62	3604.17	-69.20	71.29	N	-59.70	W	92.98	320.06	0.61	-0.55	-5.82	0.9
VWD	-0.6	0.9	3669	2.14	312.23	62	3666.12	-71.00	73.14	N	-61.37	W	95.48	320.00	0.89	-0.58	-16.87	0.9
MWD	0.1	0.9	3732	2.20	315.83	63	3729.08	-72.60	74.80	N	-63.09	W	97.85	319.85	0.24	0.10	5.71	0.9
MWD	0.2	0.9	3794	2.35	322.27	62	3791.03	-74.40	76.66	N	-64.69	W	100.31	319.84	0.48	0.24	10.39	0.9
VWD	0.9	0.9	3856	2.89	329.60	62	3852.97	-76.70	79.01	N	-66.26	W	103.12	320.01	1.02	0.87	11.82	0.9
VWD	0.1	0.9	3918	2.94	322.25	62	3914.89	-79.24	81.62	N	-68.03	W	106.25	320.19	0.61	0.08	-11.85	0.9
VWD	-0.2	0.9	3979	2.82	323.38	61	3975.81	-81.62	84.06	N	-69.88	W	109.31	320.26	0.22	-0.20	1.85	0.9
MWD	-0.7	1.0	4041	2.38	321.39	62	4037.74	-83.79	86.29	N	-71.59	W	112.12	320.32	0.72	-0.71	-3.21	1.0
MWD	0.6	1.0	4104	2.76	324.03	63	4100.68	-85.98	88.54	N	-73.30	W	114.94	320.38	0.63	0.60		

Client: NEWFIELD EXPLORATION COMPANY

Calculation Method

Minimum Curvature

Director: WEATHERFORD

Dates: 2/6/13 to 3/21/13

Proposed Azi: 181.96



County/State: DUCHESNE, UTAH

Surface Location: 188' FNL, 988' FWL

Main Lateral

Well Name: UTE TRIBAL 4A-18-3-3WH

Sec. 18 - T3S - R3W

Target Angle = 92.64

Drill Rig: PIONEER 68

Depth Reference: GL: 5507' / KB: 5525'

Target TVD = 9,728.7

SPUD Date: 02/06/13

Geologist: FRANKLIN HUGHES, ZACK ROWLAND, RYAN STREHLOW

Tool Type	BR	B/FW	Survey Depth	Incl (°)	Azi (°)	CL (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bid Rate (°/100')	Wk Rate (°/100')	BRN		
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)						
VWD	-0.5	1.2	5156	2.84	321.20	62	5151.33	-127.05	130.72	N	-104.93	W	167.62	321.25	0.54	-0.50	-3.85	1.2
MWD	-0.3	1.2	5218	2.63	320.43	62	5213.26	-129.28	133.01	N	-106.79	W	170.58	321.24	0.34	-0.34	-1.24	1.2
MWD	-0.3	1.2	5279	2.46	322.26	61	5274.20	-131.34	135.13	N	-108.49	W	173.29	321.24	0.31	-0.28	3.00	1.2
VWD	-0.1	1.2	5341	2.40	319.69	62	5336.15	-133.32	137.17	N	-110.14	W	175.91	321.24	0.20	-0.10	-4.15	1.2
VWD	0.2	1.3	5402	2.50	325.77	61	5397.09	-135.34	139.24	N	-111.72	W	178.52	321.26	0.46	0.16	9.97	1.3
VWD	0.7	1.3	5466	2.97	331.41	64	5461.02	-137.89	141.85	N	-113.29	W	181.54	321.39	0.85	0.73	8.81	1.3
MWD	0.0	1.3	5527	2.97	331.18	61	5521.94	-140.61	144.62	N	-114.81	W	184.66	321.55	0.02	0.00	-0.38	1.3
MWD	-0.2	1.3	5589	2.83	328.39	62	5583.86	-143.27	147.33	N	-116.39	W	187.76	321.69	0.32	-0.23	-4.50	1.3
VWD	-0.1	1.3	5651	2.75	327.52	62	5645.78	-145.77	149.89	N	-117.99	W	190.76	321.79	0.15	-0.13	-1.40	1.3
VWD	0.2	1.4	5712	2.86	324.90	61	5706.71	-148.19	152.37	N	-119.65	W	193.74	321.86	0.28	0.18	-4.30	1.4
MWD	0.3	1.4	5775	3.02	322.44	63	5769.63	-150.72	154.97	N	-121.57	W	196.96	321.89	0.32	0.25	-3.90	1.4
MWD	0.3	1.4	5837	3.18	321.13	62	5831.54	-153.29	157.61	N	-123.64	W	200.32	321.89	0.28	0.26	-2.11	1.4
VWD	0.4	1.4	5899	3.40	316.64	62	5893.44	-155.88	160.28	N	-125.98	W	203.87	321.83	0.55	0.35	-7.24	1.4
VWD	0.0	1.4	5961	3.37	309.55	62	5955.33	-158.28	162.78	N	-128.65	W	207.48	321.68	0.68	-0.05	-11.44	1.4
VWD	0.3	1.4	6024	3.53	310.86	63	6018.21	-160.63	165.23	N	-131.54	W	211.20	321.48	0.28	0.25	2.08	1.4
MWD	0.0	1.5	6085	3.55	315.22	61	6079.10	-163.11	167.80	N	-134.30	W	214.92	321.33	0.44	0.03	7.15	1.5
MWD	0.3	1.5	6148	3.74	318.13	63	6141.97	-165.92	170.71	N	-137.04	W	218.91	321.24	0.42	0.30	4.62	1.5
VWD	0.2	1.5	6210	3.89	313.70	62	6203.83	-168.78	173.67	N	-139.91	W	223.02	321.14	0.53	0.24	-7.15	1.5
VWD	0.3	1.5	6272	4.09	312.87	62	6265.68	-171.63	176.63	N	-143.05	W	227.29	321.00	0.34	0.32	-1.34	1.5
MWD	0.1	1.6	6334	4.13	309.15	62	6327.52	-174.43	179.54	N	-146.40	W	231.67	320.81	0.43	0.06	-6.00	1.6
MWD	0.5	1.6	6396	4.44	307.15	62	6389.35	-177.16	182.40	N	-150.05	W	236.19	320.56	0.55	0.50	-3.23	1.6
MWD	0.3	1.6	6458	4.63	302.02	62	6451.16	-179.80	185.18	N	-154.08	W	240.90	320.24	0.72	0.31	-8.27	1.6
VWD	0.8	1.6	6519	5.13	298.15	61	6511.93	-182.23	187.77	N	-158.57	W	245.77	319.82	0.98	0.82	-6.34	1.6
VWD	0.2	1.6	6581	5.25	293.15	62	6573.68	-184.48	190.19	N	-163.63	W	250.89	319.29	0.75	0.19	-8.06	1.6
MWD	-0.4	1.7	6643	5.00	286.90	62	6635.43	-186.20	192.09	N	-168.82	W	255.73	318.69	0.99	-0.40	-10.08	1.7
MWD	0.5	1.7	6669	5.14	285.57	26	6661.33	-186.77	192.73	N	-171.03	W	257.67	318.42	0.70	0.54	-5.12	1.7
VWD	-0.7	1.7	6731	4.68	281.35	62	6723.10	-187.84	193.98	N	-176.18	W	262.04	317.75	0.94	-0.74	-6.81	1.7
VWD	-0.8	1.8	6793	4.20	284.49	62	6784.92	-188.74	195.04	N	-180.86	W	265.99	317.16	0.87	-0.77	5.06	1.8
VWD	0.0	1.8	6856	4.18	283.95	63	6847.75	-189.72	196.17	N	-185.32	W	269.87	316.63	0.07	-0.03	-0.86	1.8
MWD	0.0	1.9	6918	4.15	281.90	62	6909.59	-190.58	197.18	N	-189.71	W	273.62	316.11	0.24	-0.05	-3.31	1.9
MWD	0.1	1.9	6980	4.20	274.89	62	6971.42	-191.08	197.84	N	-194.17	W	277.20	315.54	0.83	0.08	-11.31	1.9
VWD	0.2	2.0	7104	4.45	261.07	124	7095.07	-190.40	197.48	N	-203.44	W	283.52	314.15	0.86	0.20	-11.15	2.0
VWD	0.3	2.1	7227	4.80	248.32	123	7217.67	-187.44	194.84	N	-212.94	W	288.62	312.46	0.88	0.28	-10.37	2.1
MWD	0.8	2.2	7389	6.13	232.52	162	7378.94	-179.22	187.07	N	-226.10	W	293.46	309.60	1.23	0.82	-9.75	2.2
MWD	-0.2	2.3	7543	5.85	229.59	154	7532.10	-168.71	176.98	N	-238.60	W	297.07	306.56	0.27	-0.18	-1.90	2.3
VWD	-1.9	2.5	7606	4.63	235.53	63	7594.84	-165.04	173.46	N	-243.15	W	298.67	305.50	2.12	-1.94	9.43	2.5
VWD	-2.2	2.6	7667	3.26	252.34	61	7655.69	-162.99	171.54	N	-246.83	W	300.58	304.80	2.92	-2.25	27.56	2.6
VWD	-1.1	2.7	7729	2.59	276.41	62	7717.62	-162.51	171.16	N	-249.90	W	302.89	304.41	2.23	-1.08	36.82	2.7
MWD	-0.9	2.8	7796	1.97	292.94	67	7784.56	-163.04	171.78	N	-252.46	W	305.36	304.23	1.34	-0.93	24.67	2.8
MWD	-0.5	3.0	7890	1.46	298.91	94	7878.52	-164.16	172.98	N	-255.00	W	308.14	304.15	0.57	-0.54	6.35	3.0
VWD	-0.4	3.1	7953	1.20	323.82	63	7941.50	-165.04	173.90	N	-256.09	W	309.56	304.18	1.00	-0.41	39.54	3.1
VWD	-0.2	3.3	8014	1.05	323.69	61	8002.49	-165.99	174.87	N	-256.80	W	310.69	304.25	0.25	-0.25	-0.21	3.3
VWD	-0.4	3.4	8076	0.80	339.67	62	8064.48	-166.83	175.73	N	-257.29	W	311.58	304.33	0.58	-0.40	25.77	3.4
MWD	-0.4	3.5	8138	0.56	311.23	62	8126.48	-167.42	176.34	N	-257.67	W	312.23	304.39	0.66	-0.39	-45.87	3.5
MWD	-0.5	3.7	8200	0.25	237.28	62	8188.48	-167.54	176.47	N	-258.01	W	312.58	304.37	0.88	-0.50	-119.27	3.7
VWD	0.3	3.8	8263	0.44	189.80	63	8251.48	-167.22	176.15	N	-258.16	W	312.54	304.31	0.52	0.30	-75.37	3.8
VWD	-0.1	4.0	8326	0.38	118.86	63	8314.48	-166.89	175.81	N	-258.02	W	312.23	304.27	0.76	-0.10	-112.60	4.0
MWD	0.4	4.2	8388	0.63	158.63	62	8376.47	-166.48	175.40	N	-257.72	W	311.74	304.24	0.67	0.40	84.15	4.2
MWD	0.3	4.4	8450	0.79	149.78	62	8438.47	-165.81	174.71	N	-257.38	W	311.08	304.17	0.31	0.26	-14.27	4.4
VWD	-0.9	4.6	8512	0.22	336.84	62	8500.47	-165.55	174.45	N	-257.21	W	310.79	304.15	1.63	-0.92	301.71	4.6
VWD	2.2	4.8	8573	1.54	343.81	61	8561.46	-166.44	175.35	N	-257.49	W	311.52	304.25	2.17	2.16	11.43	4.8
VWD	-0.2	5.4	8697	1.31	325.43	124	8685.42	-169.16	178.11	N	-258.75	W	314.13	304.54	0.41	-0.19	-14.82	5.4
MWD	-0.2	5.7	8760	1.16	303.10	63	8748.41	-170.07	179.05	N	-259.70	W	315.44	304.59	0.79	-0.24	-35.44	5.7
MWD	-0.4	6.6	8885	0.69	272.34	125	8873.99	-170.73	179.78	N	-261.51	W	317.34	304.51	0.53	-0.38	-24.61	6.6
MWD	0.7	7.1	8946	1.12	252.25	61	8934.38	-170.53	179.61	N	-262.44	W	318.02	304.39	0.87	0.70	-32.93	7.1
VWD	0.2	7.7	9009	1.26	230.19	63	8997.37	-169.86	178.98	N	-263.56	W	318.59	304.18	0.75	0.22	-35.02	7.7
VWD	0.0	8.4	9070	1.26	231.74	61	9058.36	-168.98	178.13	N	-264.60	W	318.98	303.95	0.06	0.00	2.54	8.4
MWD	0.2	9.2	9133	1.40	227.83	63	9121.34	-168.00	177.19	N	-265.72	W	319.38	303.70	0.26	0.22	-6.21	9.2
VWD	0.2	10.2	9195	1.55	219.46	62	9183.32	-166.80	176.03	N	-266.81	W	319.65	303.42	0.42	0.24	-13.50	10.2
VWD	0.3	10.8	9226	1.63	219.82	31	9214.31	-166.12	175.37	N	-267.36	W	319.74	303.26	0.26	0.26	1.16	10.8
VWD	1.2	11.4	9257	2.00	216.01	31	9245.29	-165.33	174.59	N	-267.96	W	319.82	303.09	1.25	1.19	-12.29	11.4
MWD	2.5	12.1	9288	2.77	205.42	31	9276.26	-164.19	173.48	N	-268.60	W	319.75	302.86	2.85	2.48	-34.16	12.1
MWD	1.8	12.8	9320	3.36	197.84	32	9308.22	-162.58	171.89	N	-269.22	W	319.41	302.56	2.23	1.84	-23.69	12.8
VWD	6.0	13.4	9351	5.23	187.67	31	9339.13	-										

Client: NEWFIELD EXPLORATION COMPANY

Directorial: WEATHERFORD

Dates: 2/6/13 to 3/21/13

Calculation Method

Minimum Curvature

Proposed Azi: 181.96

Main Lateral

Target Angle = 92.64

Target TVD = 9,728.7



County/State: DUCHESNE, UTAH

Surface Location: 188' FNL, 988' FWL

Well Name: UTE TRIBAL 4A-18-3-3WH

Sec. 18 - T3S - R3W

Drill Rig: PIONEER 68

Depth Reference: GL: 5507' / KB: 5525'

SPUD Date: 02/08/13

Geologist: FRANKLIN HUGHES, ZACK ROWLAND, RYAN STREHLOW

Tool Type	BR	BRN	Survey Depth	Incl (°)	Azi (°)	CL (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bid Rate (°/100')	Wk Rate (°/100')	BRN		
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)						
WWD	15.3	10.5	9723	58.38	176.42	31	9647.85	22.65	-13.47	s	-268.68	w	269.02	267.13	15.33	15.26	-1.77	10.5
MWD	12.1	10.2	9754	62.13	175.65	31	9663.22	49.42	-40.32	s	-266.81	w	269.84	261.41	12.29	12.10	-2.48	10.2
WWD	7.9	10.8	9785	64.59	175.93	31	9677.12	76.97	-67.95	s	-264.78	w	273.36	255.61	7.98	7.94	0.90	10.8
WWD	6.2	12.3	9816	66.51	175.59	31	9689.95	105.02	-96.09	s	-262.69	w	279.72	249.91	6.27	6.19	-1.10	12.3
WWD	15.1	11.2	9847	71.20	175.67	31	9701.13	133.75	-124.91	s	-260.49	w	288.89	244.38	15.13	15.13	0.26	11.2
WWD	10.3	11.6	9877	74.30	174.81	30	9710.03	162.20	-153.46	s	-258.11	w	300.29	239.27	10.69	10.33	-2.87	11.6
MWD	8.1	14.3	9909	76.89	174.48	32	9717.99	192.94	-184.32	s	-255.22	w	314.82	234.16	8.16	8.09	-1.03	14.3
MWD	12.4	17.1	9940	80.74	173.61	31	9724.00	223.05	-214.56	s	-252.06	w	331.01	229.60	12.72	12.42	-2.81	17.1
WWD	16.3	9.7	10003	90.98	174.39	63	9728.54	285.20	-276.96	s	-245.51	w	370.11	221.55	16.30	16.25	1.24	9.7
WWD	6.7	3.9	10034	93.07	175.36	31	9727.45	315.94	-307.82	s	-242.74	w	392.01	218.26	7.43	6.74	3.13	3.9
MWD	1.2	1.8	10065	93.43	174.99	31	9725.69	346.67	-338.66	s	-240.14	w	415.16	215.34	1.66	1.16	-1.19	1.8
MWD	-0.5	0.4	10127	93.15	175.13	62	9722.13	408.12	-400.33	s	-234.81	w	464.11	210.39	0.50	-0.45	0.23	0.4
WWD	-0.6	0.1	10190	92.80	175.60	63	9718.86	470.62	-463.04	s	-229.72	w	516.89	206.39	0.93	-0.56	0.75	0.1
WWD	-0.6	-0.1	10252	92.45	176.12	62	9716.02	532.21	-524.81	s	-225.25	w	571.11	203.23	1.01	-0.56	0.84	-0.1
WWD	-0.5	-0.1	10314	92.17	176.16	62	9713.52	593.84	-586.62	s	-221.08	w	626.90	200.65	0.46	-0.45	0.06	-0.1
MWD	1.1	0.1	10376	92.87	175.19	62	9710.80	655.40	-648.38	s	-216.41	w	683.54	198.46	1.93	1.13	-1.56	0.1
MWD	0.8	0.2	10437	93.36	175.20	61	9707.48	715.89	-709.08	s	-211.31	w	739.89	196.59	0.80	0.80	0.02	0.2
WWD	0.7	0.3	10499	93.78	175.38	62	9703.62	777.35	-770.75	s	-206.23	w	797.86	194.98	0.74	0.68	0.29	0.3
WWD	0.9	0.4	10562	94.34	175.79	63	9699.16	839.80	-833.40	s	-201.39	w	857.39	193.58	1.10	0.89	0.65	0.4
MWD	-0.1	0.3	10624	94.27	174.83	62	9694.51	901.21	-895.02	s	-196.33	w	916.30	192.37	1.55	-0.11	-1.55	0.3
MWD	-0.2	0.2	10687	94.13	174.46	63	9689.89	963.53	-957.58	s	-190.47	w	976.34	191.25	0.63	-0.22	-0.59	0.2
MWD	0.2	0.2	10749	94.27	175.07	62	9685.35	1024.88	-1019.15	s	-184.83	w	1035.78	190.28	1.01	0.23	0.98	0.2
MWD	-3.4	0.0	10811	92.17	174.88	62	9681.87	1086.32	-1080.81	s	-179.41	w	1095.60	189.42	3.40	-3.39	-0.31	0.0
WWD	-1.6	-0.1	10873	91.19	175.25	62	9680.05	1147.84	-1142.55	s	-174.08	w	1155.74	188.66	1.69	-1.58	0.60	-0.1
MWD	-0.1	-0.1	10935	91.12	175.77	62	9678.80	1209.43	-1204.35	s	-169.22	w	1216.18	188.00	0.85	-0.11	0.84	-0.1
MWD	0.5	-0.1	10995	91.40	175.99	60	9677.48	1269.08	-1264.18	s	-164.91	w	1274.89	187.43	0.59	0.47	0.37	-0.1
MWD	1.5	0.0	11060	92.38	177.38	65	9675.34	1333.77	-1329.04	s	-161.16	w	1338.77	186.91	2.62	1.51	2.14	0.0
MWD	1.1	0.0	11123	93.08	179.31	63	9672.34	1396.57	-1391.93	s	-159.34	w	1401.02	186.53	3.26	1.11	3.06	0.0
MWD	-0.1	0.0	11185	93.01	179.69	62	9669.05	1458.42	-1453.84	s	-158.80	w	1462.49	186.23	0.62	-0.11	0.61	0.0
MWD	0.8	0.1	11249	93.50	179.11	64	9665.41	1522.26	-1517.74	s	-158.13	w	1525.95	185.95	1.19	0.77	-0.91	0.1
MWD	-1.8	0.0	11311	92.38	179.00	62	9662.23	1584.10	-1579.65	s	-157.11	w	1587.44	185.68	1.82	-1.81	-0.18	0.0
WWD	-1.2	-0.1	11373	91.61	179.00	62	9660.07	1645.97	-1641.60	s	-156.03	w	1649.00	185.43	1.24	-1.24	0.00	-0.1
WWD	1.6	0.0	11435	92.59	179.66	62	9657.80	1707.87	-1703.55	s	-155.30	w	1710.62	185.21	1.91	1.58	1.06	0.0
MWD	1.5	0.1	11497	93.50	180.21	62	9654.51	1769.74	-1765.46	s	-155.23	w	1772.27	185.02	1.71	1.47	0.89	0.1
MWD	1.2	0.1	11559	94.27	180.98	62	9650.31	1831.58	-1827.32	s	-155.87	w	1833.95	184.88	1.75	1.24	1.24	0.1
MWD	0.4	0.1	11623	94.55	181.82	64	9645.39	1895.39	-1891.11	s	-157.43	w	1897.65	184.76	1.38	0.44	1.31	0.1
MWD	-0.3	0.1	11686	94.34	182.45	63	9640.50	1958.20	-1953.87	s	-159.77	w	1960.40	184.67	1.05	-0.33	1.00	0.1
MWD	-3.8	0.0	11749	91.96	181.96	63	9637.04	2021.09	-2016.73	s	-162.19	w	2023.24	184.60	3.86	-3.78	-0.78	0.0
MWD	1.3	0.0	11812	92.80	181.12	63	9634.42	2084.04	-2079.65	s	-163.88	w	2086.10	184.51	1.88	1.33	-1.33	0.0
MWD	0.3	0.0	11873	93.01	181.44	61	9631.33	2144.95	-2140.56	s	-165.25	w	2146.92	184.41	0.63	0.34	0.52	0.0
MWD	0.2	0.0	11935	93.15	181.56	62	9628.00	2206.86	-2202.44	s	-166.87	w	2208.76	184.33	0.30	0.23	0.19	0.0
MWD	-1.5	0.0	11999	92.17	179.32	64	9625.03	2270.77	-2266.37	s	-167.36	w	2272.54	184.22	3.82	-1.53	-3.50	0.0
MWD	0.3	0.0	12062	92.38	177.98	63	9622.53	2333.61	-2329.30	s	-165.87	w	2335.20	184.07	2.15	0.33	-2.13	0.0
MWD	1.8	0.0	12123	93.50	178.69	61	9619.40	2394.41	-2390.19	s	-164.10	w	2395.82	183.93	2.17	1.84	1.16	0.0
MWD	-3.8	0.0	12186	91.12	178.30	63	9616.86	2457.24	-2453.12	s	-162.45	w	2458.49	183.79	3.83	-3.78	-0.62	0.0
MWD	-0.4	0.0	12249	90.84	178.90	63	9615.79	2520.12	-2516.09	s	-160.91	w	2521.23	183.66	1.05	-0.44	0.95	0.0
MWD	0.1	0.0	12310	90.91	178.53	61	9614.85	2581.01	-2577.06	s	-159.54	w	2582.00	183.54	0.62	0.11	-0.61	0.0
MWD	-1.1	-0.1	12373	90.21	178.02	63	9614.24	2643.88	-2640.03	s	-157.65	w	2644.73	183.42	1.37	-1.11	-0.81	-0.1
MWD	0.3	-0.1	12435	90.42	178.38	62	9613.90	2705.74	-2702.00	s	-155.70	w	2706.48	183.30	0.67	0.34	0.58	-0.1
WWD	0.3	-0.1	12497	90.63	178.08	62	9613.33	2767.61	-2763.97	s	-153.78	w	2768.24	183.18	0.59	0.34	-0.48	-0.1
MWD	0.5	0.0	12559	90.91	178.62	62	9612.50	2829.48	-2825.94	s	-152.00	w	2830.02	183.08	0.98	0.45	0.87	0.0
MWD	0.6	0.0	12621	91.26	179.04	62	9611.32	2891.38	-2887.91	s	-150.73	w	2891.84	182.99	0.88	0.56	0.88	0.0
MWD	0.7	0.0	12682	91.68	179.21	61	9609.76	2952.28	-2948.89	s	-149.80	w	2952.69	182.91	0.74	0.69	0.28	0.0
MWD	2.3	0.0	12745	93.15	179.60	63	9607.10	3015.16	-3011.82	s	-149.15	w	3015.51	182.84	2.41	2.33	0.82	0.0
MWD	1.7	0.1	12807	94.20	179.93	62	9603.13	3076.99	-3073.69	s	-148.89	w	3077.30	182.77	1.77	1.69	0.53	0.1
MWD	1.1	0.1	12869	94.90	180.14	62	9598.21	3138.76	-3135.50	s	-148.93	w	3139.03	182.72	1.18	1.13	0.34	0.1
MWD	1.1	0.2	12931	95.60	179.59	62	9592.54	3200.46	-3197.24	s	-148.79	w	3200.70	182.66	1.43	1.13	-0.89	0.2
MWD	-2.4	0.1	12993	94.13	178.05	62	9587.28	3262.14	-3259.00	s	-147.51	w	3262.33	182.59	3.43	-2.37	-2.48	0.1
MWD	-0.7	0.0	13055	93.71	177.72	62	9583.04	3323.84	-3320.81	s	-145.23	w	3323.98	182.50	0.86	-0.68	-0.53	0.0
MWD	-2.0	0.0	13118	92.45	176.05	63	9579.66	3386.49	-3383.62	s	-141.81	w	3386.59	182.40	3.32	-2.00	-2.65	0.0
WWD	-0.5	0.0	13180	92.17	174.70	62	9577.16	3448.03	-3445.37	s	-136.82	w	3448.09	182.27	2.22	-0.45	-2.18	0.0
MWD	-0.9	0.0	13241	91.61	174.57	61	9575.14	3508.50	-3506.07	s	-131.12	w	3508.52	182.14	0.94	-0.92	-0.21	0.0
MWD	-2.1	0.0	13304	90.28	174.84	63	9574.11											

Daily Activity Report

Format For Sundry

UTE TRIBAL 4A-18-3-3WH

4/1/2013 To 8/30/2013

4/22/2013 Day: 1

Completion

Rigless on 4/22/2013 - Move in Vendors prep location and start to Rig Up wellheads and BOP stacks - No Activity - Wellhead installed 10K 11" x 7-1/16" tubing head prepped for 5-1/2" casing with dual, double 1-13/16" outlets, 10K 7-1/16" HCR valve, 10K 7-1/16" blind rams shear rams and double 2-1/16" manual valves, 10K 7-1/16" pipe BOP with 2-3/8" rams, 10K 7-1/16" flowcross with dual, double 2-1/16" outlets, 10K 7-1/16" pipe BOP with 2-3/8" rams, 7-1/16 10 k to 7 1/16 5 K DSA, 5K working pressure 7-1/16" annular preventer - 04/22/2013 - 06:00 am ? Noon - Ute Tribal 4A-18-3-3WH Noon On Location Hold PJSM with All Vendors On Location ? Western Well Service deliver Cameron Tubing Heads ? FMC 10 K HCR Valve and Weatherford 10 K BOP stack Select Move in office trailer and 6 Light Plants man Lift and Fork Lift, Cameron Installing 10K tubing Head and Installing 10K FMC installing 10K HCR Valve, Weatherford installing 10 K BOP stack. Benco Set Rig Anchors, Drill Com Install satellite, Usanco install sewer water Ports potties and Trash Basket, Energy operator Bill Muir Install Guard shack. 1st 10 K Frac Stack arrived and on Location by Noon, will pressure test both stacks Tuesday morning

Daily Cost: \$0

Cumulative Cost: \$142,780

4/23/2013 Day: 2

Completion

Rigless on 4/23/2013 - Prep Location and Pressure test Weatherford 10k BOP stack as per NFX guidelines - No Activity, Well Secure. Plan Forward: pressure test stack and bop's, - All Vendors on location, PJSM, MIRU JW Wireline, M/U RBP retrieving head and W/L Jars. Test BOP's and lubricator to 5K. Open HCR and RIH w/ W/L. Tag RBP @ 5,010?. Work W/L up and down 3 times, stroking jars. Wait for 15 min for RBP to equalize. Plug free. POOH w/ JW W/L. OOH SIW, RBP verified @ surface. RDMO JW Wireline. - Waiting on JW Wireline to R/U and pull RBP.

Daily Cost: \$0

Cumulative Cost: \$162,098

4/24/2013 Day: 3

Completion

Rigless on 4/24/2013 - Wfd Pressure test Stack, test Flow back iron, prep well for Clean out - Weatherford Pressure testers Testing 10K Bop Stack as per NFX guide lines 250 low 5 minutes and 10k for 10 minutes ? also pressure testing 5K annular to 3500 psi - No Activity - Pressure test Flow back Iron and Prep well for Clean out - PJSM with, Weatherford, NFX, Rock Water, Western Well Service WOR, LOR, Halliburton Discuss Pressure testing operations for Weatherford 10K BOP Stack with Blind Shear Rams. Review Sign and document JSA for work been performed, Discuss NFX Orientation and UTE Tribal and UTERO needed for all vendors on Location, Discuss Stop work Authority, FRC, Hand safety, Line Of Fire, Pinch points, Smoking Policy, Pressure testing operations, Evacuation procedures and Muster area Primary and Secondary.

Daily Cost: \$0

Cumulative Cost: \$169,343

4/27/2013 Day: 4

Completion

Rigless on 4/27/2013 - MIRU WOR, load tbg on racks and clean. TIH for well clean out. - Conduct PJSM, MI and set pipe racks, Hydraulic cat walk and 2 3/8" tbg. LOR and QT begin cleaning and inspection. - Conduct PJSM, Western well MIRU for well clean out run. - Conduct PJSM, QT and LOR has completed cleaning, drifting and inspection. PU Weatherfords BHA consisting of: 4 5/8" OD X 1.68' junk mill, 3.25' OD X 1.32' change over, 3.25' OD X 1.33' bit sub, 2 15/.16" OD X .75' RN nipple on bottom with a R nipple placed at 9,000'. Total BHA is 5.69'. SICP:0 psi Open well and TIH with 2 3/8" 5.96# P-110 PH6 tbg and Weatherford BHA at 15:00 hrs. - Tally Pipe and Continue TIH w/ 2 3/8 PH-6 workstring to PBTB @ 13,830

Daily Cost: \$0
Cumulative Cost: \$200,078

4/28/2013 Day: 5**Completion**

WWS #3 on 4/28/2013 - Clean out to PBTB w/ 2 3/8 PH-6 Tubing and 4 5/8 junk mill. Clean out well, Circulate 2 well volumes, 60 bbl sweep, load hole w/ 3% KCL. TOOH and L/D 2 3/8 PH-6. RDMO Workover Rig - Shift change to day supervisor Don Hernandez and Carl Corman. The well has been cleaned out with 460bbls well was clean switch over to 3% KCL water and we will pump hole volume which is 440bbls. Shut down and POOH laying down the 2 3/8th 5.95# P-110 PH6 work string. - Started laying down 2 3/8th 5.95# P-110 PH6 work string with thread protectors on both the box and pin end. OOH with the 2 3/8th 5.95# P-110 PH6 work string. - Cameron hand set the hanger with TWC in the wellhead. WWS rig will RD and move off location. - Nipple down clean out stack, and Nipple up 10K 11" X 7 1/16" Frac stack as follows: 10K 11" X 7 1/16" tubing head prepped for 51/2" casing with dual double valve outlets, 10K 11" X 7 1/16" Lower master frac valve (HCR), 10K 11" X 7 1/16" Upper Master manual frac valve, 10K 11" X 7 1/16" flowcross with dual, double 2 1/16" outlets, 10K 11" X 7 1/16" Crown manual frac valve. - NU FMC frac stack consisting of: 10K 7 1/16 Lower master HCR valve, 10K 7 1/16 Upper master manual frac valve, 10K 7 1/16" flowcross w/ double 2 1/16" outlet & double 2 1/16" 10K gate valves, 10K 7 1/16" Crown manual frac valve. Attach hydraulic lines to FMC HCR valve & function test valve. RU FMC test unit. Test FMC Shell test stack to 250 psi low for 5 minutes & 10,000 psi high for 10 minutes. Test all valves to 250 psi low for 5 minutes & 10K high for 10 minutes. Perform negative test on Lower hydraulic master valve, - PJSM, Continue w/ cleanout operations. TIH w/ 2 3/8 5.95# P110 PH6 to PBTB @ 13,830'. Tag Bottom @ 13,820'(6 ft in on joint 445), P/U 1 jnt., R/U Power Swivel. TIH to 13,810' and circulate 2 wellbore volumes(460 bbls) F/W, w/ 60 bbl sweep. Swap to 3% KCL and load hole w/ 230 bbls of 3 % KCL. TOOH and L/D 2 3/8 tubing.

Daily Cost: \$0
Cumulative Cost: \$234,632

4/29/2013 Day: 6**Completion**

WWS #3 on 4/29/2013 - Continue testing frac stack, Shut well in, wait on wireline tractor, ETA Tuesday - Shut in well and wait on wireline tractor, ETA Tuesday - Continue testing frac stack, Stack as follows: NU FMC frac stack consisting of: 10K 7 1/16 Lower master HCR valve, 10K 7 1/16 Upper master manual frac valve, 10K 7 1/16" flowcross w/ double 2 1/16" outlet & double 2 1/16" 10K gate valves, 10K 7 1/16" Crown manual frac valve. Attach hydraulic lines to FMC HCR valve & function test valve. RU FMC test unit. Test FMC Shell test stack to 250 psi low for 5 minutes & 10,000 psi high for 10 minutes. Test all valves to 250 psi low for 5 minutes & 10K high for 10 minutes. Perform negative test on Lower hydraulic master valve, all tests complete w/ no problems. Release pressure. Shut well in. RD test unit & release FMC service hand.

Daily Cost: \$0
Cumulative Cost: \$263,655

4/30/2013 Day: 7**Completion**

Rigless on 4/30/2013 - Get the RPM log done - Baker wireline showed up on location. Help PJSM. They will get spotted in and RU. Waiting on Welltec tractor company to show up. - Welltec showed up at 09:30. Held PJSM with everybody on location. Get RU on the well with Baker and Welltec. - RIH with Baker RPM logging tool and Welltec tractor tool to tag up. Tagged up at 14:00 - Stated logging with the RPM tool at 14:00. Baker Hughes Wireline is at 2,000ft POOH w/ out with RPM tool. Break down welltec tractor tool. Close in well .ND baker pack off. RD Baker wireline. Install night cap. Secure well . - well is secure no activity on location.

Daily Cost: \$0**Cumulative Cost:** \$335,036

5/1/2013 Day: 8**Completion**

Rigless on 5/1/2013 - Move in SLB wireline in for sonic log & perf on thurs. - waiting to run Sonic log & perf well W/ SLB wireline

Daily Cost: \$0**Cumulative Cost:** \$398,336

5/2/2013 Day: 9**Completion**

Rigless on 5/2/2013 - Haul in dirt and grade location, Release all Weatherford BOP equipment - No Activity. Waiting to run Sonic log & perf well W/ SLB wireline - Goslin Services Hot Shot on location to load Weatherford BOP equipment. Load 10K 7-1/16" flow cross w/draul, double valved 2-1/16" outlets w/1502 wings on both sides, 10K 7-1/16" pipe BOP w/blind shear rams and double valve choke/kill outlets on a stand, their big accumulator & control panel. RDMO G&G crane. 16:30 Left location with Weatherford Equipment. - Continue Hauling dirt and grade location. - waiting to run Sonic log & perf well W/ SLB wireline - 12:00 HSM. JSA. PPE, Lift with the righr cable, FRC & Job procedure. MIRU B&G crane to load Weatherford BOP equipment & FMC MFV onto Western Well Service hot shot trucks. 1 truck loaded w/10K 7-1/16" flow cross w/draul, double valved 2-1/16" outlets w/1502 wings on both sides, 10K 7-1/16" pipe BOP w/blind shear rams and double valve choke/kill outlets on a stand, 3 set of HYD hoses & FMC MFV w/stand. 12:55 Left location with Weatherford Equipment. - 4-C continue to haul in dirt to fill in hole on location. 09:54 Release all Weatherford BOP equipment & FMC MFV. BOP equipment will be off location this afternoon.. - No Activity - 13:25 Western Well Service second truck on location. Second truck loaded w/2 5K 7-1/16" Annular preventer/Hidrill, 5K 7-1/16" x 10K 7-1/16" studed ADS flange & sigle pipe BOP w/2-3/8" rams on stands. Loaded 2 mill and X/over subs 13:40 Left location with Weatherford Equipment.

Daily Cost: \$0**Cumulative Cost:** \$412,271

5/3/2013 Day: 10**Completion**

Rigless on 5/3/2013 - MIRU SLB WL truck and crane. PU, MU & RIH w/Sonic Scanner looging Tools and Tractor - SLB currently Running usit & Sonic log From 12,950'-9000 'SLB currently finished POOH w/ Sonic scanner logging tools and tractor consisting of: USI Sensor: 3.375? OD x 0.84? long, USIT-D: 3.375? OD x 22.91? long, AH-120: 3.375? OD x 2.0? long, GPIT-F: 3.375? OD x 4.0? long, MAST-B: 3.625? OD x 41.29? long, EDTC-B: 3.626? OD x 6.50? long, AH-184: 3.375? OD x 2.0? long, ETRA-C(1): 3.375? OD x 18.44? long, ETRA-C(2): 3.375? OD x 18.44? long & LET-QT (Fishing neck) bottom 3.125? OD x 1.30? long , top 2.31? OD x 1.62?

long. LD all ran check on tractor .top part work fine arms moving w/o problem. The bottom would not open .combo cartridge bad between top & bottom tractor .will change out for tomorrow. SDSIFN - Switched out PDM to see if it was bad .attempted to power up .amperage went up then fell off when we switch to DC to move arms on tractor tool . Moving forward we going to Log up from current depth.12,950' - 15:55 Tractor in hole at 26ft/min to 12,750? ? WLM? (94*) tractor quit working. PU 20? and tried to tractor back down hole, tractor quit working at 12,750?. 1,000? from PBDT at 13,830?. Going to log up hole 300? to the (90*), attempt to engage tractor tool to go back down hole. 17:30 17:30 Tractor in hole at 30ft/min to from 12,750? ?WLM? (94*) to 12,842? (95.6*) tractor quit working. PU to 12,780? (94*). Will attempt to engage tractor tool to go back down hole. 17:45 Currently tractor down hole - 12:45 Currently RIH w/ SLB Sonic Scanner logging tools, USIT0 and tractor. 13:30 RIH w/Sonic Scanner log and tractor to 9,645? ?WLM? at 1500? hr. PU WT 6,000 lbs. LT 2700 lbs. Started tractor down hole to 10,600? ?WLM?. 14:20 Currently tractor down hole at 10,600? to PBDT @ 13,830?. - No Activity. 06:00 Wait on SLB to arrive on location to run Sonic Scanner log w/tractor. - 10:50 Currently PU, MU & RIH w/ Sonic scanner logging tools and tractor consisting of: USI Sens: 3.375? OD x 0.84? long, USIT-D: 3.375? OD x 22.91? long, AH-120: 3.375? OD x 2.0? long, GPIT-F: 3.375? OD x 4.0? long, MAST-B: 3.625? OD x 41.29? long, EDTC-B: 3.626? OD x 6.50? long, AH-184: 3.375? OD x 2.0? long, ETRA-C(1): 3.375? OD x 18.44? long, ETRA-C(2): 3.375? OD x 18.44? long & LET-QT (Fishing neck) bottom 3.125? OD x 1.30? long , top 2.31? OD x 1.62? long. (TTL BHA = 119.34?). - HSM. JSA pre-job safety meeting w/Consultant & vendor consisting of: Stop work authority, smoking policy, Evacuation plans, FRC policy & PU tool with the right lifting eyes. - MIRU SLB WL truck & crane. - 12:25 to 12:45 PU tractor and in gauge tractor arms, the arm came out with roller turning. PU to make sure tractor is working before RIH. Tractor good.

Daily Cost: \$0

Cumulative Cost: \$423,527

5/4/2013 Day: 11

Completion

Rigless on 5/4/2013 - MIRU SLB WL truck and crane. PU, MU & RIH w/Sonic Scanner logging Tools and Tractor - HSM. JSA pre-job safety meeting w/Consultant & vendor consisting of: Stop work authority, smoking policy, Evacuation plans, FRC policy & PU tools with the right lifting straps - 11:00 to 11:15 SLB WL on location with the tractor to run into the Ute Tribal 4-18-3-3WH, brought a replacement combo cartridge for the tractor running in the hole on 4A-18-3-3WH. SICP 0 psi. Open well. - Waiting for SLB to RE-run Sonic tool w/ tractor tool after replacing combo cartridge. 10:30 Continue to standby for SLB WL to arrive on location to tractor down Sonic Scanner log and USIT to 13,830?, log up to 9,000?. - 12:45 Currently RIH w/Sonic Scanner logging tools and tractor consisting of: BNS-CCS: 3.375? OD x 0.5? long, GPIT-F: 3.375? OD x 4.0? long, MASX-B: 3.625? OD x 20.2? long, MAPC-B: 3.626? OD x 21? long, EDTC-B: 3.375?OD x 6.5? long, AH-107: 3.375? OD x 2.0? long, (tool zero) ETRA-C(1): 3.375? OD x 18? long, ETRA-C(2): 3.375? OD x 18? long & LET-QT (Fishing neck) bottom 3.125? OD x 1.30? long , top 2.31? OD x 1.62? long. With 7-.46 cable (TTL BHA = 93.12?). 13:50 RIH w/Sonic Scanner logging tools down to 9,820? ?WLM?. PU WT 5,400 lbs. Line speed 2,652 ft/Hr, 44 ft/min. Started tractoring in at 9,820? ?WLM?. 14:00 Currently at 10,109?, tractoring in hole at 44 ft/min. Will continue to tractor in hole to PBDT at 13,830?. 15:05 Currently at 13,044? ?WLM?, tractoring down hole at 35 ft/min to 13,830?. 15:30 Tractor down logging tools down to 13,835? ?WLM? and set down. Disengage tractor. Power up logging tools. PU logging tools and PBDT 13,822? ?WLM?. - 15:40 Started POOH logging up hole to 9,000? at 2,000 ft/hr. Will pressure test casing & tractor in perf guns for DFIT in the a.m. 16:35 Logged up hole from 13,822? ?WLM? to 12,481?. Stop logging. 16:45 Currently Engaged tractor, started tractoring down hole to 13,822? ?WLM? to do a repeat pass. 17:20 Tractor down logging tools down to 13,835? ?WLM? and set down. Disengage tractor. Power up logging tools. PU logging tools and PBDT 13,822? ?WLM?. - 11:30 Currently PU, MU & RIH w/Sonic Scanner logging tools on bottom of SLB tractor . Will make up all tools and PU tool string and function test tractor before RIH. - secure well shut down for night - POOH w/Sonic

Scanner logging tools and tractor consisting of: BNS-CCS: 3.375" OD x 0.5" long, GPIT-F: 3.375" OD x 4.0" long, MASX-B: 3.625" OD x 20.2" long, MAPC-B: 3.626" OD x 21" long, EDTC-B: 3.375" OD x 6.5" long, AH-107: 3.375" OD x 2.0" long, (tool zero) ETRA-C(1): 3.375" OD x 18" long, ETRA-C(2): 3.375" OD x 18" long & LET-QT (Fishing neck) bottom 3.125" OD x 1.30" long, top 2.31" OD x 1.62" long. Break down tools. RD SLB wire line set Equip to perf Both 4A-18-3-3wh & 4-18-3-3wh. SDSIFN - 17:25 Currently POOH logging repeat pass from 13,822' ?WLM? to 12,481' at 2,000 ft/hr. Will continue logging up hole to 9,000' ?WLM?. Will pressure test casing & tractor in perf guns for DFIT in the a.m. - 12:20 to 12:45 PU tool string to bottom of tractor, function test. Test good on surface.

Daily Cost: \$0

Cumulative Cost: \$431,467

5/5/2013 Day: 12**Completion**

Rigless on 5/5/2013 - Test casing to 9,900 psi for 30 min while charting pressure, MU & PU SLB 10K lubricator, WL BOP w/Tool trap. Test Lubricator, RIH w/to Perf DFIT at 13,920 - 921.5' - Well closed in & secure for night . - 17:00 Currently POOH w/1 expended gun and tractor.finished POOH w/3.13" OD x 3" Disposable Slick Gun, loaded w/6 spf, 60 degree phasing & Titian 22.7 gram charge (EXP-3323-423T) 3.13" OD x 2" CCL, 3.13" OD x 16" tractor & LET-QT (Fishing neck) bottom 3.13" OD x 1.30" long, top 2.31" OD x 1.62" long. Break down spent Gun . RD lubricator. SIFN secure well . ready to move to UT 4-18-3-3WH. - 16:25 Disengage tractor. Logged up hole to catch collar at 13,785' and did not see collar. Continue to log up hole to catch collars at 13,785, 13,740 & 13,693' and corrected +3'. Continue up hole to 13,622' and SD. 16:40 Engage tractor at 13,622'. 16:45 Tractor down hole to 13,808'. Disengage tractor. PU up hole to fire gun at 13,770'-13,771.5' for DFIT. - 14:20 Currently tractoring guns down hole from 9,803' to PBD 13,835', Will log up hole to match up collar with casing tally. 15:00 Tractor down hole to 11,880'. Disengage tractor. Logged up hole to verified collars at 11,861', 11,817', 11,772' & 11,687', all collar are 3' +/- . Marker joint at 7,464' is right and the marker joint at 9,275 is wrong. Engage tractor and tractor down to 13,825' and SD. - 12:50 Currently Open well w/0 psi. RIH w/tractor and gun. 13:08 Check switch while RIH, test good. Continue RIH. 13:30 RIH and corrected off marker joint at 7,464' ?WLM?, corrected 30'. Continue in hole to second marker joint at 9,275' ? WLM?, did not match up with casing tally. (Will check other casing collar w/casing tally while RIH to verified depth). Continue RIG and set down at 9,886' ?WLM?. PU tool string to 9,717'. RIH to 9,803' and engage tractor. - well is shut in & secure. Waiting for SLB wireline Crew to show up on location - 10:55 Started charted casing pressure for 30 min. Casing test good at 9,900 psi for 30 min. BO pressure. - 09:00 to 10:55 RU 4-C vacuum truck w/80 bbls of 3% KCL water to casing valve. Load hole w/25 bbls of 3% KCL water (ttl 34 bbls pump, fluid level 1,550?) Pressure up on casing to 9,900 psi. - Waiting on 4-C to arrive on location to fill - RU on flow cross, Pumped 400 gal of fresh water and did not see pressure. Waiting on 4-C to arrive on location to fill casing. - 06:05 MIRU Weatherford test unit. 06:15 Currently Preforming a dead head test against test unit to 10,000 psi, for 5 min. Test good. BO pressure. Dead head test compete. , RU on flow cross, PT casing to 9,900 psi and hold for 30 min while charted pressure. - Function test SLB WL BOP and function test good. RU SLB lubricator w/3.13" OD x 3" Disposable Slick Gun, loaded w/6 spf, 60 degree phasing & Titian 22.7 gram charge (EXP-3323-423T) 3.13" OD x 2" CCL, 3.13" OD x 16" tractor & LET-QT (Fishing neck) bottom 3.13" OD x 1.30" long, top 2.31" OD x 1.62" long. MU lubricator on top of WL BOP. Started pressure testing lubrication and pressure increased to 1,200 psi and WL flange started leaking. SD. BO pressure. 12:15 Torque down bolts on WL flange. Re-test WL flange to 8,500 psi for 5 min. Test good. BO pressure.

Daily Cost: \$0

Cumulative Cost: \$439,407

5/6/2013 Day: 13**Completion**

Rigless on 5/6/2013 - RU Baker CMT pump to show to perform DFIT on well install gauges monitor well, First day to monitor DFIT pressure - 06:00 Currently MIRU Baker Hughes pump track and 4-C vacuum truck loaded w/130 bbls 3% KCL water. (Baker brought 5 gal of Alpha 452, will add it while pumping down hole). Plan is to break down formation and pump 10 to 15 Bbls at 5-6 BPM and put well on DFI. - waiting for Baker CMT pump to show to perform DFIT test. - 13:15 to 14:15 Monitor DFIT pressure. Gauge #7 3,821 psi. Gauge #8 3,820 psi. 14:15 to 15:15 Monitor DFIT pressure. Gauge #7 3,801 psi. Gauge #8 3,800 psi. 15:15 to 16:15 Monitor DFIT pressure. Gauge #7 3,783 psi. Gauge #8 3,783 psi. - 13:15 Monitor DFIT pressure. Gauge #7 3,840 psi. Gauge #8 3,840 psi. 13:45 Zubiate on location to move frac tanks forward to grade location - 16:15 to 17:15 Gauge #7 3,768 psi (battery 85% & memory 99%). Gauge #8 3,767 psi (battery 89% & memory 98%). SDFN. Will continue monitor DFIT pressure in the a.m. 17:40 SDFN. Will continue monitor DFIT pressure in the a.m. - 07:00 Pressure testing pressure iron to 9,800 psi. Test good. Bled pressure down to 600. Installed 2 DFIT gauges on one side of the flow cross. Open flow cross valve to DFIT gauges. 07:25 Break down formation at 5,133 psi, at 3 bpm w/8 Bbls of 3% KCL water/Alpha 452. 07:30 Increase rate to 6 BPM, at 5,546 psi pump 12 Bbls. (ttl 20 bbls pump). 07:33 SD pumping. ISIP 4,560 PSI. Shut in pressure 5 min 4,377 PSI, 10 MIN 4,330 PSI, 15 MIN 4,301 PSI. 07:48 Shut in flow cross on pump side. BO pressure. RD pressure iron. - 06:45 Complete RU. Baker pressure test iron. Prime pump. SD. 06:45 to 07:00 HSM. JSA pre-job safety meeting w/Consultant & vendor consisting of: Stop work authority, smoking policy, Evacuation plans, FRC policy, pressure rise iron. - No Activity - Started monitor DFIT. Day 1 of 21

Daily Cost: \$0

Cumulative Cost: \$689,369

5/7/2013 Day: 14**Completion**

Rigless on 5/7/2013 - Second day Monitor DFIT pressure - Monitor DFIT pressure. 13:30 to 14:30 Gauge #7 3,073 psi. Gauge #8 3,072 psi. 14:30 to 15:30 Gauge #7 3,070 psi. Gauge #8 3,070 psi. 15:30 to 16:30 Gauge #7 3,067 psi. Gauge #8 3,067 psi. Plan is to continue monitor DFIT pressure. - Monitor DFIT pressure. 09:00 to 10:00 Gauge #7 3,102 psi. Gauge #8 3,102 psi. 10:00 to 11:00 Gauge #7 3,096 psi. Gauge #8 3,096 psi. 11:00 to 13:30 Gauge #7 3,080 psi. Gauge #8 3,079 psi. Plan is to continue monitor DFIT pressure. - Monitor DFIT pressure. 16:30 to 17:30 Gauge #7 3,066 psi (battery 74% & memory 97%). Gauge #8 3,066 psi (battery 79% & memory 98%). SDFN. Will continue monitor DFIT pressure in the a.m. - No Activity . Day 2 of 21 06:00 Gauge #7 3,155 psi (battery 76% & memory 97%). Gauge #8 3,154 psi (battery 77% & memory 98%). SDFN. Will continue monitor DFIT pressure in the a.m. - No Activity - Monitor DFIT pressure. 06:00 to 07:00 Gauge #7 3,131 psi. Gauge #8 3,131 psi. 07:00 to 08:00 Gauge #7 3,116 psi. Gauge #8 3,115 psi. 08:00 to 09:00 Gauge #7 3,108 psi. Gauge #8 3,107 psi. Plan is to continue monitor DFIT pressure.

Daily Cost: \$0

Cumulative Cost: \$698,595

5/8/2013 Day: 15**Completion**

Rigless on 5/8/2013 - Third day to Monitor DFIT pressure. 3 days of 21 - No Activity - Monitor DFIT pressure. 15:30 to 16:30 Monitor DFIT pressure. Gauge #7 3,029 psi (battery 71% & memory 96%). Gauge #8 3,028 psi (battery 73% & memory 98%). SDFN. Will continue monitor DFIT pressure in the a.m. - No Activity Monitor DFIT pressure. Day 3 of 21 09:30 Monitor DFIT pressure. Gauge #7 3,035 psi (battery 65% & memory 96%). Gauge #8 3,035 psi (battery 69% & memory 98%). Will continue monitor DFIT pressure - Monitor DFIT pressure. 09:30 to 10:30 Gauge #7 3,034 psi. Gauge #8 3,033 psi. 10:30 to 11:30 Gauge #7 3,031 psi. Gauge #8 3,032 psi. 11:30 to 12:30 Gauge #7 3,032 psi. Gauge #8 3,031 psi. Plan is to continue monitor DFIT pressure. - Monitor DFIT pressure. 12:30 to 13:30 Gauge #7

3,030 psi. Gauge #8 3,030 psi. 13:30 to 14:30 Gauge #7 3,030 psi. Gauge #8 3,030 psi. 14:30 to 15:30 Gauge #7 3,030 psi. Gauge #8 3,029 psi. Plan is to continue monitor DFIT pressure.

Daily Cost: \$0

Cumulative Cost: \$707,959

5/9/2013 Day: 16

Completion

Rigless on 5/9/2013 - Day 4 Continue to Monitor DFIT pressure - No Activity - Monitor DFIT pressure. 12:00 to 14:00 Gauge #7 3,003 psi. Gauge #8 3,003 psi. 14:00 to 15:00 Gauge #7 3,003 psi. Gauge #8 3,002 psi. 15:00 to 16:30 Monitor DFIT pressure. Gauge #7 3,002 psi (battery 68% & memory 94%). Gauge #8 3,001 psi (battery 73% & memory 97%). SDFN. Will continue to monitor DFIT pressure in the a.m. - No Activity 06:00 Monitor DFIT pressure. Day 4 of 21 Gauge #7 3,011 psi (battery 61% & memory 95%). Gauge #8 3,011 psi (battery 63% & memory 97%). Will continue to monitor DFIT pressure - Monitor DFIT pressure. 06:00 to 07:00 Gauge #7 3,010 psi. Gauge #8 3,010 psi. 07:00 to 08:00 Gauge #7 3,009 psi. Gauge #8 3,009 psi. 08:00 to 09:00 Gauge #7 3,008 psi. Gauge #8 3,007 psi. Plan is to continue to monitor DFIT pressure. - Monitor DFIT pressure. 09:00 to 10:00 Gauge #7 3,007 psi. Gauge #8 3,007 psi. 10:00 to 11:00 Gauge #7 3,007 psi. Gauge #8 3,006 psi. 11:00 to 12:00 Gauge #7 3,006 psi. Gauge #8 3,005 psi. Plan is to continue to monitor DFIT pressure.

Daily Cost: \$0

Cumulative Cost: \$721,694

5/10/2013 Day: 17

Completion

Rigless on 5/10/2013 - Day 5 of 21 Continue to Monitor DFIT pressure - No Activity - Continue to Monitor DFIT pressure. 15:00 to 16:00 Gauge #7 2,999 psi (battery 64% & memory 93%). Gauge #8 2,999 psi (battery 71% & memory 97%). SDFN. Will continue to monitor DFIT pressure in the a.m. - No Activity 06:00 Continue to Monitor DFIT pressure. Day 5 of 21 Gauge #7 2,994 psi (battery 58% & memory 94%). Gauge #8 2,994 psi (battery 63% & memory 97%). Will continue to monitor DFIT pressure. - Monitor DFIT pressure. 09:00 to 10:00 Gauge #7 2,998 psi. Gauge #8 2,997 psi. 10:00 to 11:00 Gauge #7 2,998 psi. Gauge #8 2,998 psi. 11:00 to 12:00 Gauge #7 2,999 psi. Gauge #8 2,998 psi. Plan is to continue monitor DFIT pressure - Monitor DFIT pressure. 06:00 to 07:00 Gauge #7 2,995 psi. Gauge #8 2,995 psi. 07:00 to 08:00 Gauge #7 2,996 psi. Gauge #8 2,996 psi. 08:00 to 09:00 Gauge #7 2,997 psi. Gauge #8 2,996 psi. Plan is to continue monitor DFIT pressure. - Monitor DFIT pressure. 12:00 to 13:00 Gauge #7 2,999 psi. Gauge #8 2,998 psi. 13:00 to 14:00 Gauge #7 2,999 psi. Gauge #8 2,998 psi. 14:00 to 15:00 Gauge #7 2,999 psi. Gauge #8 2,998 psi. Plan is to continue monitor DFIT pressure

Daily Cost: \$0

Cumulative Cost: \$728,477

5/11/2013 Day: 18

Completion

Rigless on 5/11/2013 - Day 6 of 21 Continue to Monitor DFIT Pressure - Monitor DFIT pressure. 09:00 to 10:00 Gauge #7 2,990 psi. Gauge #8 2,990 psi. 10:00 to 11:00 Gauge #7 2,990 psi. Gauge #8 2,989 psi. 11:00 to 12:00 Gauge #7 2,990 psi. Gauge #8 2,989 psi. Plan is to continue monitor DFIT pressure. - Monitor DFIT pressure. 06:00 to 07:00 Gauge #7 2,990 psi. Gauge #8 2,989 psi. 07:00 to 08:00 Gauge #7 2,989 psi. Gauge #8 2,989 psi. 08:00 to 09:00 Gauge #7 2,989 psi. Gauge #8 2,989 psi. Plan is to continue monitor DFIT pressure. - Monitor DFIT pressure. Monitor DFIT pressure. 12:00 to 13:00 Gauge #7 2,990 psi. Gauge #8 2,989 psi. 13:00 to 14:00 Gauge #7 2,990 psi (battery 58% & memory 92%). Gauge #8 2,988 psi (battery 100% & memory 97%). Will Continue to Monitor DFIT pressure

14:00 to 15:00 Gauge #7 2,990 psi. Gauge #8 2,990 psi. Will continue to monitor DFIT pressure. - No Activity - No Activity 06:00 Continue to Monitor DFIT pressure. Day 6 of 21 Gauge #7 2,990 psi (battery 53% & memory 92%). Gauge #8 2,990 psi (battery 60% & memory 97%). Will continue to monitor DFIT pressure.

Daily Cost: \$0

Cumulative Cost: \$733,760

5/12/2013 Day: 19

Completion

Rigless on 5/12/2013 - Day 7 of 21 Continue to Monitor DFIT Pressure - No Activity - No Activity 06:00 Continue to Monitor DFIT pressure. Day 7 of 21 Gauge #7 2,979 psi (battery 45% & memory 91%). Gauge #8 2,979 psi (battery 55% & memory 96%). Will continue to monitor DFIT pressure. - 06:30 Change out batteries on the #7 & #8 gauges. Both gauges have 100% life. 0800-Gauge#8-2978. Gauge#7-2979 0900-Both Gauges 7 and 8-2979 1000-Both Gauges 7 and 8-2979 1100-Both Gauges 7 and 8-2979 1200-Both Gauges 7 and 8-2979 - 1300-Both Gauges-2979 1400-Both Gauges-2979 1500-Both Gauges-2979 1600-Both Gauges-2979 1700-Both Gauges-2979 1800-Both Gauges-2979 1900-Both Gauges-2979

Daily Cost: \$0

Cumulative Cost: \$740,988

5/13/2013 Day: 20

Completion

Rigless on 5/13/2013 - Day 8 of 20. Monitor DFIT pressures - No Activity - No Activity - Gauge #7 pressure-2972. Battery-98%. Memory-79% Gauge #8 pressure-2972. Battery-100%. Memory-96% 0700- Gauge#7-2972. Gauge#8-2972 0800-Gauge#7-2972. Gauge#8-2972 0900-Gauge#7-2973. Gauge#8-2972 1000-Gauge#7-2973. Gauge#8-2973 1100-Gauge#7-2974. Gauge#8-2973 1200-Gauge#7-2974. Gauge#8-2974 - 1300-Gauge#7-2974. Gauge#8-2973 1400-Gauge#7-2974. Gauge#8-2973 1500- Gauge#7-2974 Gauge#8-2974 1600- Gauge#7-2974 Gauge#8-2974 1700-Gauge#7-2974. Gauge#8-2974

Daily Cost: \$0

Cumulative Cost: \$744,771

5/14/2013 Day: 21

Completion

Rigless on 5/14/2013 - Day 9 of 20. Monitor DFIT pressure gauges - No Activity - 1300-Gauge#7-2976. Gauge#8-2975 1400-Gauge#7-2977. Gauge#8-2976 1500-Gauge#7-2977. Gauge#8-2976 1600-Gauge#7-2977. Gauge#8-2977 1700-Gauge#7-2978. Gauge#8-2977 1800-Gauge#7-2977. Gauge#8-2977 - 0600-Gauge#7-Pressure-2971. Battery-87%. Memory-88% Gauge#8-Pressure-2971. Battery-91%. Memory-91% 0700-Gauge#7-2972. Gauge#8-2971 0800-Gauge#7-2972. Gauge#8-2972 0900-Gauge#7-2973. Gauge#8-2973 1000-Gauge#7-2974. Gauge#8-2974 1100-Gauge#7-2974. Gauge#8-2974 1200-Gauge#7-2975. Gauge#8-2975 - No Activity

Daily Cost: \$0

Cumulative Cost: \$748,554

5/15/2013 Day: 22

Completion

Rigless on 5/15/2013 - Day 10 of 20. Monitor DFIT pressures - No Activity - No Activity - 0530am-Guage#7 Pressure-2971. Battery-79%. Memory-86% Guage#8 Pressure-2970. Battery-85%. Memory-95% 0930-Gauge#7-2970. Gauge#8-2969 1030-Gauge#7-2970. Gauge#8-2970 1130-Gauge#7-2970. Gauge#8-2969 1230-Gauge#7-2970. Gauge#8-2970 1330-Gauge#7-2970. Gauge#8-2970 1430-Gauge#7-2971. Gauge#8-2970 - 1530-Gauge#7-

2970. Gauge#8-2970 1630-Gauge#7-2969. Gauge#8-2969

Daily Cost: \$0

Cumulative Cost: \$776,602

5/16/2013 Day: 23

Completion

Rigless on 5/16/2013 - Day 11 of 20. Monitor DFIT pressures. - No Activity - No Activity - 0530-Gauge#7 Pressure-2963. Battery-71%. Memory-85% Gauge#8 Pressure-2962. Battery-76%. Memory-95% 0630-Gauge#7-2963. Gauge#8-2963 0730-Gauge#7-2963. Gauge#8-2962 0830-Gauge#7-2963. Gauge#8-2962 0930-Gauge#7-2963. Gauge#8-2962 1030-Gauge#7-2964. Gauge#8-2963 1130-Gauge#7-2964. Gauge#8-2963 1230-Gauge#7-2964. Gauge#8-2963 - 1330-Gauge#7-2964. Gauge#8-2964 1430-Gauge#7-2963. Gauge#8-2962 1530-Gauge#7-2963. Gauge#8-2962 1630-Gauge#7-2962. Gauge#8-2963

Daily Cost: \$0

Cumulative Cost: \$782,853

5/17/2013 Day: 24

Completion

Rigless on 5/17/2013 - Day 12 of 20. Monitor DFIT pressures. - Day 12 of 20. Monitor DFIT pressures 0530-Gauge#7 Pressure-2955. Battery-72%. Memory-94% Gauge#8 Pressure-2956. Battery-67%. Memory-83% 0830-Gauge #7-2955. Gauge #8-2955. 0930-Gauge #7-2955. Gauge #8-2956. 1030-gauge #7-2956. Gauge #8-2956. 1130-Gauge #7-2957. Gauge #8-2957. 1230-Gauge #7-2958. Gauge #8-2958. 1330-Gauge #7-2958. Gauge #8-2958. 1430-Gauge #7-2959. Gauge #8-2960. 1530-Gauge #7-2959. Gauge #8-2960. 1630-Gauge #7-2959. Gauge #8-2960.

Daily Cost: \$0

Cumulative Cost: \$790,938

5/18/2013 Day: 25

Completion

Rigless on 5/18/2013 - Continue to monitor DFIT pressure. Day 13 of 20. - Day 13 of 20. Monitor DFIT pressures 0530-Gauge#7 Pressure-2955. Battery-65%. Memory-94% Gauge#8 Pressure-2956. Battery-59%. Memory-82%. 0630-Gauge #7-2955. Gauge #8-2956. 0730-Gauge #7-2955. Gauge #8-2956. 0830-Gauge #7-2956. Gauge #8-2956. 0930-Gauge #7-2956. Gauge #8-2956. 1030-gauge #7-2956. Gauge #8-2956. 1130-Gauge #7-2957. Gauge #8-2957. 1230-Gauge #7-2957. Gauge #8-2958. 1330-Gauge #7-2958. Gauge #8-2958. 1430-Gauge #7-2958. Gauge #8-2958. 1530-Gauge #7-2957. Gauge #8-2958. 1630-Gauge #7-2957. Gauge #8-2958.

Daily Cost: \$0

Cumulative Cost: \$796,221

5/19/2013 Day: 26

Completion

Rigless on 5/19/2013 - Continue monitoring DFIT pressure. Day 14 of 20. - Day 14 of 20. Monitor DFIT pressures 0530-Gauge#7 Pressure-2952. Battery-59%. Memory-94% Gauge#8 Pressure-2952. Battery-53%. Memory-80% 0630-Gauge #7-2952. Gauge #8-2952. 0730-Gauge #7-2952. Gauge #8-2952. 0830-Gauge #7-2952. Gauge #8-2953. 0930-Gauge #7-2953. Gauge #8-2954. 1030-gauge #7-2954. Gauge #8-2955. 1130-Gauge #7-2954. Gauge #8-2955. 1230-Gauge #7-2955. Gauge #8-2955. 1330-Gauge #7-2955. Gauge #8-2955. 1430-Gauge #7-2958. Gauge #8-2958. 1530-Gauge #7-2957. Gauge #8-2958. 1630-Gauge #7-2957. Gauge #8-2958.

Daily Cost: \$0

Cumulative Cost: \$802,259

5/20/2013 Day: 27

Completion

Rigless on 5/20/2013 - Day 15 of 20. Monitor DFIT pressures - Day 15 of 20. Monitor DFIT pressures 0530-Gauge#7 Pressure-2952. Battery-68%. Memory-94% Gauge#8 Pressure-2953. Battery-46%. Memory-79% 0630-Gauge #7-2952. Gauge #8-2953. 0730-Gauge #7-2952. Gauge #8-2953. 0830-Gauge #7-2952. Gauge #8-2953. 0930-Gauge #7-2953. Gauge #8-2953. Replace batteries. 1030-gauge #7-2953. Gauge #8-2953. 1130-Gauge #7-2953. Gauge #8-2953. 1230-Gauge #7-2953. Gauge #8-2953. 1330-Gauge #7-2954. Gauge #8-2955. 1430-Gauge #7-2954. Gauge #8-2955. 1530-Gauge #7-2955. Gauge #8-2955. 1630-Gauge #7-2955. Gauge #8-2955.

Daily Cost: \$0

Cumulative Cost: \$811,746

5/21/2013 Day: 28

Completion

Rigless on 5/21/2013 - Day 16 of 20. Monitor DFIT pressure. - Day 16 of 20. Monitor DFIT pressure. 0530-Gauge #7-2951. Battery-100%. Memory 93%. Gauge #8-2951. Battery-12%. Memory-77%. Replace batteries. 0630-Gauge #7-2950. Gauge #8-2951. 0730-Gauge #7-2950. Gauge #8-2951. 0830-Gauge #7-2950. Gauge #8-2951. 0930-Gauge #7-2951. Gauge #8-2952. 1030-Gauge #7-2951. Gauge #8-2952. 1130-Gauge #7-2952. Gauge #8-2952. 1230-Gauge #7-2952. Gauge #8-2952. - 1330-Gauge #7-2952. Gauge #8-2952. 1430-Gauge #7-2953. Gauge #8-2953. 1530-Gauge #7-2953. Gauge #8-2953. 1630-Gauge #7-2953. Gauge #8-2954.

Daily Cost: \$0

Cumulative Cost: \$818,154

5/22/2013 Day: 29

Completion

Rigless on 5/22/2013 - Day 17 of 20. Monitor DFIT pressure - Day 17 of 20. Monitor DFIT pressures 0530-Gauge#7 Pressure-2949. Battery-93%. Memory-93% Gauge#8 Pressure-2949. Battery-100%. Memory-76% 0830-Gauge #7-2949. Gauge #8-2950. 0930-Gauge #7-2949. Gauge #8-2950. 1030-Gauge #7-2949. Gauge #8-2950. 1130-Gauge #7-2950. Gauge #8-2950. 1230-Gauge #7-2950. Gauge #8-2950. - 1330-Gauge #7-2950. Gauge #8-2951. 1430-Gauge #7-2950. Gauge #8-2951. 1530-Gauge #7-2950. Gauge #8-2951. 1630-Gauge #7-2951. Gauge #8-2953.

Daily Cost: \$0

Cumulative Cost: \$823,652

5/23/2013 Day: 30

Completion

Rigless on 5/23/2013 - Day 18 of 20. Monitor DFIT pressure - No Activity - No Activity - Day 18 of 20. Monitor DFIT pressures 10:00 am -Gauge#7 Pressure-2948. Battery-87%. Memory-74% Time 67.7 10:00 am -Gauge#8 Pressure-2947. Battery-86%. Memory-92% Time 70.8

Daily Cost: \$0

Cumulative Cost: \$829,558

5/24/2013 Day: 31

Completion

Rigless on 5/24/2013 - Monitor DFIT and prep location for Frac - No Activity - No Activity -

Monitor DFIT Guages and prep location for frac Currently Rigging up Pinnacle on NFX 5-18-3-3W well to set Geophones in well Will spot Pinnacle equipment on 4-18-3-3WH well this afternoon and RIH in the Morning tractor in Pinnacle and Welltec 08:00 am -Gauge#7 Pressure-2944. Battery-78%. Memory-92% Time 329.3 08:00 am -Gauge#8 Pressure-2944. Battery-78%. Memory-73% Time 49.4

Daily Cost: \$0

Cumulative Cost: \$833,556

5/25/2013 Day: 32

Completion

Rigless on 5/25/2013 - Monitor this well wait on frac date 5-28-13 - RIH on 4-18-3-3WH Tractor in Geo Phones to record pressure for this well - no Activity - No Activity - Welltec Pinnacle and JW WL rigging up today on 4-18-3-3WH to RIH with 12 geo phones - NFX 5-18-3-3-W POOH with Tools and fix #13 & #14 Run Back In Hole with Geo Phones to Depth 07:00 am -Gauge#7 Pressure-2943. Battery-73%. Memory-92% Time 329.3 07:00 am -Gauge#8 Pressure-2944. Battery-73%. Memory-71% Time 51.4

Daily Cost: \$0

Cumulative Cost: \$837,554

5/26/2013 Day: 33

Completion

Rigless on 5/26/2013 - Rig Up rock water flow back and pressure test Lines , Baker Spot Sand Chiefs - - Well Is Prepped and ? Estimated frac date 5-28-2013 Pinnacle is rigged up on Location No Activity - No Activity - On Location Hold Pre Job Safety meeting with Pinnacle ,JW WL Crew , Discuss NFX Policy and Procedures as well as OSHA ,BLM , UTE Tribal , Discuss Daily Operations and Job tasks for day , Review JSA and discuss Safety meeting Area ,PPE FRC Clothing , Pinch Points ,Line Of fire , Pressure Release , Smoking Area High Pressure Lines - On Location Hold Pre Job Safety meeting with Pinnacle ,JW WL Crew , Discuss NFX Policy and Procedures as well as OSHA ,BLM , UTE Tribal , Discuss Daily Operations and Job tasks for day , Review JSA and discuss Safety meeting Area ,PPE FRC Clothing , Pinch Points ,Line Of fire , Pressure Release , Smoking Area High Pressure Lines 07:00 am -Gauge#7 Pressure-2940. Battery-67%. Memory-91% 07:00 am -Gauge#8 Pressure-2940. Battery-68%. Memory-70% Well-Tec Pinnacle and JW WL rigging up today on 4-18-3-3WH to Tractor in Hole with 12 geo phones NFX 5-18-3-3-W is prepped with Tools On Bottom ready to record pressure for frac

Daily Cost: \$0

Cumulative Cost: \$841,552

5/27/2013 Day: 34

Completion

Rigless on 5/27/2013 - Fill sand kings,inspect and test flow back lines, spot frac equipment. Wait on Buffalo Head. Nipple up Buffalo Head. - PJSM with Baker crane operator, Stinger Hands and Weatherford nipple up crew. Lay down JW wirelines Lubricator. Pick up and stab Buffalo head. Nipple up Buffalo head. - Fill sand kings,inspect and test flow back lines, spot frac equipment.Sand Kings Full of Sand. - Waiting on Buffalo head to start perf job and prep to frac.

Daily Cost: \$0

Cumulative Cost: \$866,311

5/28/2013 Day: 35

Completion

Rigless on 5/28/2013 - Pump guns in well and shoot perms. Rig in frac equipment. Pressure

test lines. - PJSM With everyone on location. Prepare to pressure test and rig in acid transport. Pressure test lines. Bucket test backside and take fluid samples. - Baker Comitted pump time was supposed to be 7am. We were generous with the downtime and this was dicssussed with Eric Romberg and Phillip Mann to Start the unplanned time at 12 noon. Waiting on the rest of the frac equipment to show up on location including the chemical wagons. As of 7pm the Chemical wagons were still not on location. - RU frac trucks. - Pressure test 10K 7-1/16" x 5" 1002 Buffalo head and WL lubricator to 9000 psi, OK. Kick outs on Baker pump set at 8500 psi. - Rig in 2nd pump and blender for more BPM in pump down. Pressure test 2nd line and blender line to 9000 psi, OK. - RIH with perf gun to 9260'. Attempt to pump gun in well. Made it to 100021'. Lost line wt pumping at 8 bpm and 4550 psi. Made 2 more attempts, staacked out in the same place. POOH with live perf gun. Inspect tools. - Attempt to pump down perf gun at 15 bpm. Pump kicked out at 8000 psi. POOH to 10500?. Reset pump kick out at 9000 psi. Attempt to pump down at 17 bpm, 66 fpm and 1000 pts line tension. Pump started cavitating at at 10,970?. POOH to 10934?. Prime pump. Pump perf gun IH at 15.5 bpm, 6250 psi, 1000 pts line tension, and 75 fpm. Correlate to csg tally. Perforate at 13,721?-13,723? with 2- 1.5', 3-1/8", 6 SPF, 60 degree phasing, 21 gram Titan EXP-3319-322Tcharges. Seismic did not detect shot, Pinnacle retrieved good data. POOH and perforate at 13654-56?. Seismic and Pinnacle geophones detected shot. POOH running CBL strip to 7200'. All tools recovered. All shots fired.

Daily Cost: \$0

Cumulative Cost: \$879,509

5/29/2013 Day: 36**Completion**

Rigless on 5/29/2013 - Frac stage 1. Perf and frac stage 2. Rih w/ plug. CCL would not work. Pooh rehead. - Prepare to rih w/ plug and perf gun. Wind tangled up wireline. Untangled wireline and made up Lubricator. Pressure tested to 9500 psi. RIH to 2nd marker jt and correlate back to logs. . CCL would not work. Pooh with wireline tools. Currently-Reheading wireline and working on CCL - Pump Stage 2. 380 psi on N2 regulator, 1820 psi on bottle, Pop off set at 9520 psi. Pressure tested to 9732 psi Ball seated in 292.5 bbls. Proceeded to rate for ISIP. Had issues with pumps early in the stage. Had to take two pumps offline while pumping and try and make up rate with others. Operator sanded off dual belt during 3# sand. Adjusted stage volume to get designed amount of prop in. Pump kicked out early on flush. Tripped out at 8300 psi. Possibly in the power end. GW-3LDF-3.5% (32), XLW-10A-3.5% (10.7), Scalesorb 7-4% (31.3), POST JOB 5-MIN ISDP: 4,857 PSI. 10-MIN ISDP: 0 PSI. 15-MIN ISDP: 0 PSI. - JSA and safety meeting, RIH 13,629?. Pump down with max pump rate of 13.2 bpm @ 5643 psi. Did not see plug set. POOH to inspect tools. Pump down with max pump rate of 113.2 bpm @ 5643 psi. Did not see plug set. POOH. Found primary and secondary charges ignited, but power charge did not. Replace power charge with a different batch number. Pressure test seal on lubricator. RIH. Pump down with maximum rate of 14.9 bpm at 5750 psi. Set plug at 13,629?.Perforate stage 2 at 13,560?-62?, 13513?-15?, 13,420?-42 (ttl 36 shots)?. POOH.All tools recovered. All shots fired. - Pressure tested to 9700 psi. Set pop offs at9450 psi. Backside pressure was at 3730 psi. Install transducer on the casing to monitor the 4-18-3-3WH Casing pressure. - Pick up JW wirelines lubricator. Install 10K Obsidion plug for 5-1/2" 15.5# casing and perf gun. Install lubricator to wellhead. Pressure test lubricator to 9500 psi. Prepare to rih to heel at 9260. - Begin pumping pad. 60.2 bbls per min@ 8316 psi. Frac Gradient-.936 1. 368 psi on N2 regulator, 1800 psi on bottle, Pop off set at 9450 psi. Pressure tested to 9700 psi 2. Able to get to designed rate with no problems. 3. Trouble getting water to CMG, sucked air on tanks, during the 2.0ppg sand stg. Had to reduce slurry rate to maintain CMG. 4. Lost pump in 2.0ppg sand stage, jacking. 5. Lost pump at the start of flush, lost packing. 6. Went long on prop, ran known compartments out. Will make adjustments for next stage. 7. Able to place job completely, good effort by crew working through issues. GW-3LDF-3.2% (28.4), Scalesorb 7-5.8% (45.4), Scaletrol 720-3.7% (1.1) CRB-LT-26.5% (31.4), NE-900-7.1% (26.8) Enzyme G HT III-73.5% (11.9), Alpha 452-10.8% (5.2) - 3617 psi on the backside. Begin load and break. Pump in at 11.1 BPM. Saw the

break at 5077 psi. Switch to acid. Pumped 15.8 bbls of acid at 5094. Psi. 0146am. Step rate up to 40.8 bbls per min. Pressure at 7391. - Pressure and rate monitor in WL trk not working. POOH with live plug and perf guns.. SI crown valve on frac stack. Wait on equipment to continue frac. Re head Wire line while waiting. Newfield found a connection to restore monitor.
Daily Cost: \$0
Cumulative Cost: \$1,133,202

5/30/2013 Day: 37**Completion**

Rigless on 5/30/2013 - Set plug and perf stage 3. Frac stages 4,5,6 and rig up to perf 7 - Prepare to rig up wireline. - JSA and safety meeting. Test lines to 9,780 psi, OK. Frac Wasatch 15 stage 6 as follows: avg rate 60 bpm, avg press 7300 psi, max rate 62 bpm, max press 8330 psi. Pump 30 bbl 15% HCl acid. Fracked with 4081 bbl of 20# Lightning slick water. 197,260 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 10,664. ISIP 4550 psi. 5 min SIP 4665 psi. 10 min SIP 4510 psi. 15 min SIP 4425 psi. 4601 TLWTR. 1. 360 psi on N2 regulator, 1800 psi on bottle, Pop off set at 9390 psi. Pressure tested to 9763 psi 2. Fracpro calculated 170 psi NWB, 1386 perf fric, 15 holes open. 3. Had trouble getting Scalesorb 7 on during the 0.75ppg sand stage. 4. Lost pump in 0.75ppg sand stage, couldn't get rate out of pump. 5. Didn't get gel set point change to 30# until the 2.0ppg sand stage, 1st part of job pumped at 20# gel. 6. Went long on prop, had no trouble placing job. 7. Overall good job by crew. Ball Seat Stage Pressures and Rate: 4970 psi @ 10.4 bpm , 4765 psi Pressure before Seating , 4980 psi Pressure after Seating XLW-10A-6.2% (16.6) , Scalesorb 7-6.7% (47) , Scaletrol 720-30.2% (8.7) NE-900-3.5% (12) Enzyme G HT III-15% (4.4) , Alpha 452-5.8% (2.8) - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 15.1 bpm 5189 Psi. ok, Set plug at 12,615', Perforate Stage6 at (12,558'-60'), (12,496'-98'), (12,382'-84'). Final pressure of 4980' & Falling. . 3 1/8? guns at 60 degrees, 6 spf, three 2' guns 36 holes. POOH, all shots fired and drop ball HF stage 6. - JSA and safety meeting. Test lines to 9,780 psi, OK. Frac Wasatch 15 stage 5 as follows: avg rate 59 bpm, avg press 7082 psi, max rate 64 bpm, max press 7981 psi. Pump 40 bbl 15% HCl acid. Fracked with 4019 bbl of 20# Lightning slick water. 196,240 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 10,276. ISIP 4877 psi. 5 min SIP 4535 psi. 10 min SIP 4487 psi. 15 min SIP 4451 psi. 4542 TLWTR. - Overhaul tool trap while pumping stage 4. JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 14.9 bpm at 5325 psi. 225 bbl to pump plug. Set plug at 12,846?. Perforate stage 5 at 12802-04?, 12726-28??? and 12670-72?. 3-1/8? guns at 60 degrees, 6 spf, 36 holes. POOH. All tools recovered. All shots fired. 3-1/8? gun on 60 degrees, 6 spf. Ttl 36 holes. - Stab Wireline lubricator. Begin running in the whole with plug and perf gun. Note: new rehead on wireline. Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 14.6 bpm 6,042 Psi. ok, Set plug at 13,373', Perforate Stage3 at (13,352'-54'), (13,227'-29'), (13,158'-60'). Final pressure of 5,090' & Falling. . 3 1/8? guns at 60 degrees, 6 spf, three 2' guns 36 holes. POOH, all shots fired and drop ball HF stage 3. - Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 15.4 bpm at 5625 psi. 248 bbl to pump plug. Set plug at 13124?. Perforate stage 4 at 13090-92?, 12990-92?? and 12906?-08?. 3-1/8? guns at 60 degrees, 6 spf, 36 holes. POOH. All tools recovered. All shots fired. 3-1/8? gun on 60 degrees, 6 spf. Ttl 36 holes. - JSA and safety meeting. Prepare to RIH with plug and perf guns when tool trap on lubricator would not allow tools to go IH. SD to repair tool trap - JSA and safety meeting. Test lines to 9,750 psi, OK. Frac Wasatch 15 stage 3 as follows: avg rate 59 bpm, avg press 8090 psi, max rate 62 bpm, max press 8755 psi. Pump 40 bbl 15% HCl acid. Fracked with 4481 bbl of 20# Lightning slick water. 192,928 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 11,639. ISIP 5305 psi. 5 min SIP 4875 psi. 10 min SIP 4725 psi. 15 min SIP 4610 psi. 5109 TLWTR. - Fix pump 5 - Location Safety Mtg. Prime pumps and test lines to 9,500 psi, OK. PJSM w. Pump ball down. Saw 500 psi of ball action. Switch to acid. Pump acid through perfs. Switch back to 3% KCL. Lost pump 5. - JSA and safety meeting. Test lines to 9,780 psi, OK. Frac Wasatch 15 stage 4 as follows: avg rate 57 bpm, avg press 8603 psi, max rate 60 bpm, max press 9106 psi. Pump 40 bbl 15% HCl acid. Fracked with 3983 bbl of 20# Lightning slick water. 206,506

lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 11,913. ISIP 4920 psi. 5 min SIP 4578 psi. 10 min SIP 4487 psi. 15 min SIP 4451 psi. 4546 TLWTR.

Daily Cost: \$0

Cumulative Cost: \$1,680,090

5/31/2013 Day: 38

Completion

Rigless on 5/31/2013 - set plug. Perf stage 7. Frac stage 7. Perf and frac stage 8,9,10 - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 14.9 bpm at 5075 psi. 172.5 bbl to pump plug. Set plug at 11624?. Perforate stage 10 at 11588-90??, 11514-16? and 11472-74?. 3-1/8? guns at 60 degrees, 6 spf, 36 holes. POOH. All shots fired. 3-1/8? gun on 60 degrees, 6 spf. Ttl 36 holes. - Stage 9JSA and safety meeting. Test lines to 9,700 psi, OK. Frac Wasatch 15 stage9 as follows: max rate69 bpm. avg rate59 bpm, max press8703 psi, avg press8067. Pump 30 bbl 15% HCl acid. Fracked with 3914 bbl of 20# Lightning slick water. 195,937 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 11,626. ISIP4634 psi. 5 min SIP4822 psi. 10 min SIP 4679 psi. 15 min SIP4566 psi.4362 TLWTR. 1. 368 psi on N2 regulator, 1800 psi on bottle, Pop off set at 9450 psi. Pressure tested to 9700 psi 2. Fracpro calculated 210 psi NWB, 1630 perf fric, 14 holes open. 3. Ball seated in 255 bbls. Proceeded to rate for ISIP. 4. CRB - LT was running so high, we had to run it through two hoppers and split the concentration between hoppers. 5. Had some pump issues through the stage. Lost a couple due to fluid end issues (seats/valves). Took offline and made up rate with others. 6. Had blender falling behind on sand again. Lost hopper on 6# sand. Tried getting concentration back, unsuccessfully. GW-3LDF-2.4% (27.1), Scaletrol 720-4.7% (1.3) CRB-LT-4.2% (20.2), NE-900-3.3% (11) Enzyme G HT III-11.1% (5.4), - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 14.5 bpm at 5055 psi. 172.5 bbl to pump plug. Set plug at 11,879?. Perforate stage 9 at 11834-36??, 11778-80? and 11636-38?. 3-1/8? guns at 60 degrees, 6 spf, 36 holes. POOH. All tools recovered. All shots fired. 3-1/8? gun on 60 degrees, 6 spf. Ttl 36 holes. - JSA and safety meeting. Test lines to 9,450 psi, OK. Frac Wasatch 15 stage 8 as follows: max rate 85 bpm. avg rate 68 bpm, max press 8696 psi, avg press 7905. Pump 30 bbl 15% HCl acid. Fracked with 5073 bbl of 20# Lightning slick water. 197,959 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 13,214. ISIP 5143 psi. 5 min SIP 4623 psi. 10 min SIP 4461 psi. 15 min SIP 417 psi. 5548 TLWTR. SD 1.5 hrs after pumping acid to repair leaks and pumps. - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 15.5 bpm at 5075 psi. 187 bbl to pump plug. Set plug at 12,112?. Perforate stage 8 at 12084-86?, 12026-28? and 11934-36?. 3-1/8? guns at 60 degrees, 6 spf, 36 holes. POOH. All tools recovered. All shots fired. 3-1/8? gun on 60 degrees, 6 spf. Ttl 36 holes. - 2130' in the hole. JW Wireline truck is broke down. JW is waiting for mtruck to cool down. They think the turbo might have gone out on the motor. Fix truck and pooh w/ wireline tools. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 15.1 bpm 5058 Psi. ok, Set plug at 12,315', Perforate Stage6 at (12,307'-09), (12,251-53'), (12,156-58'). Final pressure of 4980'& Falling. . 3 1/8? guns at 60 degrees,6 spf, three 2' guns 36 holes. POOH, all shots fired and drop ball HF stage7. - Continue fracing stage 10- Stage 10 JSA and safety meeting. Test lines to 9,700 psi, OK. Frac Wasatch 15 stage10 as follows: max rate 84 bpm. avg rate80 bpm, max press8780 psi, avg press 8400. Pump 30 bbl 15% HCl acid. Fracked with 5784 bbl of 20# Lightning slick water. 214,268 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 16,471. ISIP4650 psi. 5 min SIP4645 psi. 10 min SIP 4570 psi. 15 min SIP4530 psi.6209 TLWTR. 1. 355 psi on N2 regulator, 1800 psi on bottle, Pop off set at 9350 psi. Pressure tested to 9700 psi 2. Fracpro calculated 47 psi NWB, 1636 perf fric, 15 holes open. 3. Had chicksan leaking during 0.75ppg sand stage, flushed wellbore and shutdown to replace. Down 1:15hrs to fix. 4. Re-start pump schedule from pad, able to get back into and up to rate with no issues. 5. Good job with no other issues, good effort by crew. Ball Seat Stage Pressures and Rate: 4950 psi @ 10.4 bpm , 4855 psi Pressure before Seating , 4770 psi Pressure after Seating XLW-10A-2.2% (8.5), Scalesorb 7-5.3% (43.2), CRB-LT-7.7% (25.7), Enzyme G HT III-4.6% (6.4), Alpha 452-7.9% (5.1) - Lost pumps pumping 80 bbls

per min on Pad. Fix pumps - Drop ball. Pressure test to 9700 psi. - JSA and safety meeting. Test lines to 9,780 psi, OK. Frac Wasatch 15 stage7 as follows: avg rate60 bpm, avg press 7300 psi, max rate 62 bpm, max press 8330 psi. Pump 30 bbl 15% HCl acid. Fracked with 4081 bbl of 20# Lightning slick water. 197,260 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 10,664. ISIP 4550 psi. 5 min SIP 4665 psi. 10 min SIP 4510 psi. 15 min SIP 4425 psi.4601 TLWTR.

Daily Cost: \$0

Cumulative Cost: \$2,183,442

6/1/2013 Day: 39**Completion**

Rigless on 6/1/2013 - perf and frac stage 11. Perf and frac stages 12, and 13. Perf stage 14. Begin to frac. Many Mechanical failures - Begin to frac stage 11 JSA and safety meeting. Test lines to 9,650 psi, OK. Frac Wasatch 15 stage7 as follows: avg rate 40 bpm, avg press7330 psi, max rate 41 bpm, max press 8240 psi. Fracked with 2075 bbl of 20# Lightning slick water. 120,497 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 7,258. ISIP 4890 psi. 5 min SIP 4785 psi. 10 min SIP 4590 psi. 15 min SIP 4525 psi.2855 TLWTR. - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 14.9 bpm at 5120 psi.134.2 bbl to pump plug. Set plug at 11,434?. Perforate stage 11 at 11414-16??. 3-1/8? guns at 60 degrees, 6 spf, 12 holes. POOH. All shots fired. 3-1/8? gun on 60 degrees, - JSA and safety meeting. Test lines to 9,680 psi, OK. Frac Wasatch 15 stage 12 as follows: max rate 41 bpm. avg rate 39 bpm, max press 8979 psi, avg press 7786. Fracked with 2481 bbl of 20# Lightning slick water. 121,551 lbs of 0.5 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 7,519. ISIP 6187 psi. 5 min SIP 5301 psi. 10 min SIP 4929 psi. 15 min SIP 4597 psi. 2732 TLWTR. - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 14.5 bpm at 5950 psi. 186.5 bbl to pump plug. Set plug at 11,260?. Perforate stage 13 at 11210-12?, 11078-80? and 10974-76?. 3-1/8? guns at 60 degrees, 6 spf, 36 holes. POOH. All tools recovered. All shots fired. - JSA and safety meeting. Test lines to 9,680 psi, OK. Frac Wasatch 15 stage 13 as follows: max rate 62 bpm. avg rate 60 bpm, max press 8585 psi, avg press 7534. Fracked with 4213 bbl of 20# Lightning slick water. 201,677 lbs of 0.75 ? 5.0 PPG 30/50 CB RCS. Avg HHP: 11,153. ISIP 5194 psi. 5 min SIP 4796 psi. 10 min SIP 4581 psi. 15 min SIP 4497 psi. 4456 TLWTR. - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 14.5 bpm at 5300 psi. 98 bbl to pump plug. Set plug at 10,946?. Perforate stage 14 at 10,896-98?, 10,732-34?, 10,580-82?, 4th gun did not fire, was not felt on surface, Pinnacle did not see it. POOH. All tools recovered. All shots fired, believe third and fourth guns fired at the same time. Extra set of perfs 10,576-78?. RIH with perf gun. Perforate 10,74-76'. POOH. All tools recovered. All shots fired. 3-1/8? guns at 60 degrees, 6 spf, 60 holes. - . NOTE-(Downtime for JW Wireline-1.5 hrs due to misfire) - Pressure Test to 9500 psi. Good test. Dislpace ball and do step test. Catching 4 min pressure after step down, lost frac pump. - Fix Baker frac pumps. - Begin pumping frac Job. Pumped pad and xlinker. Staged into .75# sand stage lost frac pumps again. - Fix Frac Pumps - Continue fracing stage 14. T Belt broke down. - Fix T Belt and test. - Start Pumping Pad - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate 14.9 bpm at 5503 psi.140 bbl to pump plug. Set plug at 11,345?. Perforate stage 12 at 11311-13??. 3-1/8? guns at 60 degrees, 6 spf, 12 holes. POOH. All shots fired. 3-1/8? gun on 60 degrees,

Daily Cost: \$0

Cumulative Cost: \$2,465,591

6/2/2013 Day: 40**Completion**

Rigless on 6/2/2013 - Frac stages 14, 15, 16 - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5 minutes, OK. RIH. Pump down rate15 bpm at4721 psi.64 bbl to pump plug. Set plug at 10,439?. Perforate stage 15 at10,404-06??. 10,344-46. 10,270-72. 3-

1/8" guns at 60 degrees, 6 spf, 36 holes. POOH. All shots fired. 3-1/8" gun on 60 degrees, -
 Begin to frac stage 15 JSA and safety meeting. Test lines to 9,700 psi, OK. Frac Wasatch 15
 stage 15 as follows: avg rate 73 bpm, avg press 7205 psi, max rate 84 bpm, max press 8005
 psi. Fracked with 6443 bbl of 20# Lightning slick water. 332,220 lbs of 0.5 ? 5.0 PPG 30/50 CB
 RCS. Avg HHP: 12,803. ISIP 4520 psi. 5 min SIP 4515 psi. 10 min SIP 4400 psi. 15 min SIP
 4370 psi. 7336 TLWTR. - JSA and safety meeting. Pressure test lubricator to 9000 psi for 5
 minutes, OK. RIH. Pump down rate 14.8 bpm at 4875 psi. 71 bbl to pump plug. Set plug at
 10,255?. Perforate stage 16 at 10,228-30?, 10,118-20? and 10028-30?. 3-1/8" guns at 60
 degrees, 6 spf, 36 holes. POOH. All tools recovered. All shots fired - JSA and safety meeting.
 Test lines to 9,700 psi, OK. Frac Wasatch 15 stage 16 as follows: max rate 62 bpm. avg rate
 60 bpm, max press 8049 psi, avg press 6811. Fracked with 3681 bbl of 20# Lightning slick
 water. 210,140 lbs of 0.75 ? 8.0 PPG 30/50 CB RCS. Avg HHP: 9,966. ISIP 4900 psi. 5 min
 SIP 4653 psi. 10 min SIP 4498 psi. 15 min SIP 4481 psi. 3681 TLWTR. Baker spilled approx
 30,000 - 35,000 lbs of resin coated prop on the ground around the sand masters and dual
 belts. - Begin to frac stage 14 JSA and safety meeting. Test lines to 9,700 psi, OK. Frac
 Wasatch 15 stage 14 as follows: avg rate 73 bpm, avg press 7205 psi, max rate 84 bpm, max
 press 8005 psi. Fracked with 6443 bbl of 20# Lightning slick water. 332,220 lbs of 0.5 ? 5.0
 PPG 30/50 CB RCS. Avg HHP: 12,803. ISIP 4520 psi. 5 min SIP 4515 psi. 10 min SIP 4400
 psi. 15 min SIP 4370 psi. 7336 TLWTR. 1. 360 psi on N2 regulator, 1800 psi on bottle, Pop off
 set at 9350 psi. Pressure tested to 9700 psi 2. Fracpro calculated 16 psi NWB, 1294 perf fric,
 16 holes open. 3. Had pump leaking during BD, shut in after the FET to work on pump.
 Changed packing and valves, down about 1:30Hrs. 4. Had leak on High Pressure iron during
 the 0.75ppg sand stage, flushed wellbore and shutdown to fix, down 45mins 5. Started job
 over from pad, pumped ~20K lbs of prop before flushing well. Total prop for job will be +/-
 320K lbs of prop. 6. Shutdown shortly after pumping resumed to fix leak, also had to fix link
 on T-belt down, 55mins 7. Could only maintain 72bpm on blender after coming back on line.,
 8. Lost pump 2 in 2.0ppg sand stage, cracked fluid end, able to maintain 70bpm with rest of
 pumps. Ball Seat Stage Pressures and Rate: 4760 psi @ 11.8 bpm , 4765 psi Pressure before
 Seating , 4760 psi Pressure after Seating XLW-10A-9.5% (43.1) , Scalesorb 7-16.1%
 (191.5) , Scaletrol 720-10.3% (4.8) CRB-LT-6.5% (29.4) , Enzyme G HT III-7.7% (16.4) , -
 Install Dfit Gauges and monitor well. - RD WL trk and equipment. RD frac lines on WH. ND
 buffalo head and NU night cap.

Daily Cost: \$0

Cumulative Cost: \$3,056,313

6/3/2013 Day: 41

Completion

Rigless on 6/3/2013 - Monitor DFIT Gauges - 17:15 Install data trap, Monitor DFIT gauges.

Daily Cost: \$0

Cumulative Cost: \$3,065,693

6/4/2013 Day: 42

Completion

Rigless on 6/4/2013 - Monitor DFIT gauges. - Monitor DFIT gauges.

Daily Cost: \$0

Cumulative Cost: \$3,131,412

6/5/2013 Day: 43

Completion

Rigless on 6/5/2013 - Monitor DFIT gauges. - Monitor DFIT gauges.

Daily Cost: \$0

Cumulative Cost: \$3,149,805

6/6/2013 Day: 44**Completion**

Rigless on 6/6/2013 - Monitor DFIT gauges. - Monitor DFIT gauges.

Daily Cost: \$0**Cumulative Cost:** \$3,631,910

6/7/2013 Day: 45**Completion**

Rigless on 6/7/2013 - Monitor Dfit Gauges - Monitor Dfit Gauges

Daily Cost: \$0**Cumulative Cost:** \$3,678,473

6/8/2013 Day: 46**Completion**

Rigless on 6/8/2013 - Monitor Dfit Gauges. Set Kill plugs - Monitor Dfit Gauges - Rig up JW wireline. Had to break down flow back line to move manlift into position to be able to rig up wireline. Re install flow back lines. Pressure test flow back lines and lubricator to 10,000 psi on chart. Good test. Equalize pressure to lubricator. 3300 psi on well Rih with 10K obsidion plug for 5-1/2" casing to 8000'. Set plug. Line tension-1367. Set plug. Line tension at-1235. Took 34 seconds on slow burn charge. Pull up hole 50'.. Run back in hole and tag plug. Pooh with wireline. Open well to choke. Bled from 3300 psi to 0 in 5 min. Make up new plug and test lubricator to 10,000 psi. Rih and set 2nd kill plug at 7970 WLM. Line tension-1365. After setting charge-1310. Took 45 seconds to activate charge. Pooh with wireline setting tool.. RDMO Jw wireline.

Daily Cost: \$0**Cumulative Cost:** \$3,690,551

6/9/2013 Day: 47**Completion**

Rigless on 6/9/2013 - Rig up and test BOP stack. MIRU workover rig. Rig up snubbing unit. Talley tbng - Begin Hooking up hoses and preparing to test BOPs to NFX test standards and using NFX testing guidelines. RU Weatherford test unit. Perform dead head test to 10,000 psi. Test good. BO pressure. Accumulator: Perform hydraulic test to 1,500 psi on all component consisting of: Blind shear rams, bottom 2-3/8" pipe rams, upper 2-3/8" pipe rams & Annular preventer/HyDrill. Test good. BO pressure. RU test hose to choke kill valve on double BOP. Closed Blind shear rams. Function & pressure test blind shear rams to 250 psi for low, for 5 min w/HCR valve closed. Test good. BO pressure. Test same to 10,000 psi for high, for 10 min. Test good. BO pressure. PU a 2-3/8" mandrel ran down though BOP stack to the lower 2-3/8" BOP pipe rams and closed same. Function & pressure test lower 2-3/8" BOP pipe rams against HCR valve to 250 for low, for 5 min. Test good. BO pressure. Test same to 10,000 psi for high, for 10 min. Test good. BO pressure. Open lower BOP pipe rams. Pulled 2-3/8" mandrel up to the upper 2-3/8" BOP pipe rams and closed same. Function & pressure test upper 2-3/8" BOP pipe rams against HCR valve and the two inside 2-1/16" outlet valve on flowcross w/ the two outside valve open to 250 for low, for 5 min. Test good. BO pressure. Testing same to 10,000 psi for high, for 10 min. Rock water swapped out a single plug catcher with a double plug catcher and RU FB lines. - From Bottom to top the rig up of BOP stack as follows. 1- 10K 7-1/16" HCR (Already installed on well head) 2- 10k 7-1/16" Double BOP with Blind Shear rams on bottom and 2-3/8" pipe rams on top. 3- 10K 7-1/16" Flowcross with dual double valved 2-1/16" outlets. 4- 10K 7-1/16" Single BOP with 2-3/8" pipe ram rubbers installed 5- 5K 7-1/16" Annular preventer/Hydril - Open the outside 2-1/16" outlet valves. Function & pressure test Rock Water FB 2" valves and double plug catcher to 250 for low, for 5 min. Test good. BO pressure. Tesst same to 10,000 psi for high, for 10 min. Test good. BO

pressure. 09:20 MI & spot Hammer pipe racks. Unloading 467 jts 2-3/8" PH-6 (WS) 224 jts used (BH) and 243 jts new (CR). off Runner truck. MI & spot 2 Dalbo working tanks. QT on location drifting and inspection & cleaning PH-6 tbg. LOR on location to look at PH-6. 10:30 ND 7-1/16" 10K annular preventer/Hydrill. Ground accumulator. MI and spot Weatherford 10K pump. Released 5 Nabors frac tanks. Call Santee with NFX and Ray with Nabors. 12:00 MIRU MT States WOR and pump and tanks. 13:50 Currently RU WOR, spotting MT snubbing unit. - MIRU MT States 5K 7-1/16" Snubbing unit. 17:15 MIRU Weatherford Test unit. Perform dead head test to 10,000 psi for 10 min. Test good. BO pressure. - Test MT States 5K Snubbing unit. Had to change #3 ram and annular rubber. - - Open upper 2-3/8" BOP pipe rams. Pulled mandrel up to annular preventer/HyDrill. Closed upper 2-3/8" BOP pipe rams 3/4" and pulled 2-3/8" mandrel up against upper 2-3/8" BOP pipe rams. Closed HyDrill around 2-3/8" mandrel and open the inside 2-1/16" outlet valves on flowcross and closed the outside 2-1/16" outlet valves. Function & pressure test to 250 psi for low, for 5 min against the HCR valve. Test good. BO pressure. Test same to 10,000 psi for high, for 10 min. Test good. BO pressure.

Daily Cost: \$0

Cumulative Cost: \$3,883,632

6/10/2013 Day: 48**Completion**

Rigless on 6/10/2013 - Test snubbing unit. Make up BHA. Begin Rih. Tag up and drill up both kill plugs. Continue to RIH to plug #15 - Pick up singles and rih. Depth at the close of day-10,012 - Rig down Pwr swivel. - 16:25 Swivel picked up and tagged kill plug #2 @ 7,949' TBGM w/257 jts. Start drilling plug Pump Rate 2.5 bpm 4,500 psi, holding 3000 psi back pressure on choke. Drilling on kill plug #2, Pump 10 bbl sweep and while rotating and working pipe. PU WT 48K, SO WT 41K, NEUT 45K, Torque drilling 1,200 PSI. FS 1,000 PSI. Drilled though in 21 min 17:15 PU 2 jt (ttl 259 jts) Tagged kill plug #1 @ 8,000' TBGM? Start drilling plug Pump Rate 2.5 bpm 4,500 psi, holding 3,300 psi back pressure on 15/64" choke. Drilled through kill plug #1 in 90 mins. Backside 3300 PSI, Pump 10 bbl sweep and while rotating and working pipe. Had to fix air hose on swivel console. PU WT 45K, SO WT 41K, NEUT 45K, Torque drilling 1,200 PSI. FS 1000 PSI. Continue TIH to CFTP plug #15. - Hold Pre Job Safety meeting with MT States, Rock Water, Weatherford. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area ,PPE FRC Clothing , Pinch Points ,Pressure Release, Smoking Area. - 15:15 RU power swivel on jt 257. SD for safety meeting - 13:45 Standby and wait for parts for Basic power swivel. Repair power swivel - 12:18 PU & RIH w/12 jts 2-3/8" PH-6 tbg. (ttl 257 jts) PU wt 58K. SO WT 54K. Neutral WT 54K 12:45 Tagged Kill plug #2 @ 7,949' on jt 257 with 9' out. Plug @ 7,949' "TM". LD jt #257. Tied back fast line. MI & spot power swivel. While RU power swivel a 1" x 16" nipple broke. Call in to Basic. - 10:00 Continue to PU 2-3/8" PH-6 tubing w/(CR #). 10:15 PU & RIH w/ 3 jts 2-3/8" PH-6 tubing w/(CR #) off hydraulic catwalk (ttl of 173 jts in hole) EOT @ 5,353' w/BHA. Install a R Nipple on top of jt 173. 10:45 RIH w/36 jts 2-3/8" PH-6 tubing. (ttl 209 jts in hole) EOT @ 6,467' w/BHA. RU TIW valve and Kelly hose, to fill and circulate. Fill & circulate down tubing w/19 Bbls of 3% KCL water. PU Wt 50K. SO WT 46K. Neutral WT 48K. Talled 107 jts 2-3/8" tbg. (34 jts w/CR# & 73 jts w/BH#). Total 316 jts tallied. 11:11 Continue PU & RIH w/2-3/8" PH-6 tbg. 12:00 RIH w/36 jts 2-3/8" PH-6 tubing. (ttl 245 jts in hole) EOT @ 7,582' w/BHA. RU TIW valve and Kelly hose, to fill and circulate. Fill & circulate down tubing w/19 Bbls of 3% KCL water. PU Wt 58K. SO WT 54K. Neutral WT 56K. - 06:30 Continue to PU 2-3/8" PH-6 tubing w/(CR #) off hydraulic catwalk w/ 64 jts in hole. EOT 1,980' ?TM?. Filling tubing every 1,000?, break circulation w/15 Bbls of 3% KCL 07:18 RIH w/38 jts 2-3/8" PH-6 tubing. (ttl 102 jts in hole) EOT @ 3,156' w/BHA. RU TIW valve and Kelly hose, to fill and circulate. Fill & circulate down tubing w/21 Bbls of 3% KCL water. Tally 107 jts of 2-3/8" PH-6 tubing. 08:35 RIH w/33 jts 2-3/8" PH-6 tubing. (ttl 135 jts in hole) EOT @ 4,176' w/BHA. PU Wt 24K. SO WT 22K. Neutral WT 20K. RU TIW valve and Kelly hose, to fill and circulate. Fill & circulate down tubing w/20 Bbls of 3% KCL water. 09:45 RIH w/35 jts 2-3/8" PH-6 tubing. (ttl 170 jts in hole) EOT @ 5,260' w/BHA. RU TIW valve and Kelly hose, to fill and circulate. Fill & circulate

down tubing w/19 Bbls of 3% KCL water. PU Wt 28K. SO WT 24K. Neutral WT 26K. - PJSA Review job procedure and NFX safety polices. - New Bag didn't test.Changing Bag rubber again..Retest bag. Good test. Change all slip dies in snubbing unit. - Make up BHA. Take pictures for engineers.

Daily Cost: \$0

Cumulative Cost: \$4,887,913

6/11/2013 Day: 49**Completion**

Rigless on 6/11/2013 - RIH. Drill plug 15,14,13,12,11,10,9,8,7,6,5,4,3,2,1. - 11:50 - PU 8 jts 2-3/8' PH-6. Tagged frac plug #8 @ 11,879' TBGM. (ttl 383 jts) start drilling plug Pump Rate 2 bpm 4,900 psi, back pressure on 23/64" choke, 3,700 psi. Drilled through plug #8 in 37 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 42K, NEUT 46K, Torque drilling 2,500 PSI. FS 1,600 PSI. EOT @11,889'. 13:04 Continue circulation 30 bbls over w/3% KCL water w/10 bbl sweep. 13:20 Continue TIH to frac plug #7. - 10:35am - Ran in hole to-11,601 jt 374 w/7' out, washing fill out of wellbore. PU 7 jts 2-3/8' PH-6. Tagged frac plug #9 @ 11,624' TBGM. (ttl 375 jts) start drilling plug Pump Rate 2 bpm 4,900 psi, back pressure on 23/64" choke, 3,500 psi. Drilled through plug #9 in 40 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 42K, NEUT 46K, Torque drilling 2,500 PSI. FS 1,600 PSI. EOT @12,640'. 11:40 Continue circulation 30 bbls over w/3% KCL water w/10 bbl sweep. 11:50 Continue TIH to frac plug #8. - 09:15am - 10:30am- PU 2 jts 2-3/8' PH-6. Tagged frac plug #10 @ 11,417' TBGM. (ttl368 jts) start drilling plug Pump Rate 1.5 bpm 4,900 psi, back pressure on 24/64" choke, 3,400 psi. Drilled through plug #10 in 45 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 42K, NEUT 43K, Torque drilling 2,500 PSI. FS 1,200 PSI. EOT @ 12,422' 10:30 Continue circulation 30 bbls over w/3% KCL water W/10 bbl sweep. Continue TIH to frac plug #9. - Performing a "Cleanup Cycle" w/229 Bbls of 3% KCL w/10 bbl sweep @ 11,359' w/366 jts. While rotating and working pipe. Circulation plug parts in return. SD circulating. Continue TIH to kill plug #10 - 07:43 am - 08:15- PU 3 jts 2-3/8' PH-6. Tagged frac plug #11 @ 11,345' TBGM. (ttl366 jts) start drilling plug Pump Rate 2 bpm 4,900 psi, back pressure on 21/64" choke, 3,400 psi. Drilled through plug #11 in 32 mins. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 42K, NEUT 43K, Torque drilling 2,500 PSI. FS 1,200 PSI. - 06:40am - 07:13 am- PU 10 jts 2-3/8' PH-6. Tagged frac plug #12 @ 11,260' TBGM. (ttl363 jts) start drilling plug Pump Rate 2 bpm 4,900 psi, back pressure on 21/64" choke. Drilled through plug #12 in 33 mins. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 42K, NEUT 43K, Torque drilling 2,500 PSI. FS 1,200 PSI. EOT @ 12,266' 07:13 Continue circulation 30 bbls over w/3% KCL water W/10 bbl sweep. Continue TIH to frac plug #11. - Shift change. Hold Pre Job Safety meeting with MT States, Rock Water, Weatherford. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area ,PPE FRC Clothing , Pinch Points ,Pressure Release, Smoking Area. - 0355am- Ran in hole to-10,578 on jt 341 10' Begin washing fill out of wellbore.Tagged frac plug #13 @ 10,946' TBGM. (ttl353 jts) start drilling plug Pump Rate 2 bpm 4,900 psi,21/64 choke holding 3,900 psi back pressure on choke. Drilled through plug #13 in 25 mins. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 42K, NEUT 47K, Torque drilling 1,900 PSI. FS 2100 PSI. Continue TIH to frac plug #12. - Rig up Pwr swivel. 0100am :Start drilling plug Pump Rate 1.5 bpm 4,800 psi,16/64 choke holding 3,800 psi back pressure on choke. Drilled through plug #15 in 36 mins. Pump 10 bbl sweeps and while rotating and working pipe.WOB-4-6K PU WT 48K, SO WT 42K, NEUT 46K, Torque drilling 2200 PSI. FS 1800 PSI. Continue TIH to frac plug #14. 0220am. Tagged frac plug #14 @ 10,439' TBGM.4 ft of fill (ttl 337 jts) start drilling plug Pump Rate1.5 bpm 4,800 psi,16/64 choke holding 3,800 psi back pressure on choke. Drilled through plug #14 in 35 mins. Pump 10 bbl sweeps and while rotating and working pipe. PU WT50K, SO WT 42K, NEUT 46K, Torque drilling 2500 PSI. FS 1800 PSI.WOB-4-6K. Continue TIH to frac plug #13. - Rih and tag up @ 10.255. 20' in on jt 331. - - - PU 9 jts 2-3/8' PH-6.2247pm- Tagged frac plug #2 @ 13,381' TBGM. (ttl 431 jts) start drilling plug Pump Rate 1.5 bpm 4,900 psi, back pressure on 16/64" choke, 3,700 psi.

Drilled through plug #2 in 17 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 40K, NEUT 46K, Torque drilling 2,600 PSI. FS 2,000 PSI. . WOB-6K Flowing 3 bbls per min @ 3700 psi.2320pm- Continue TIH to frac plug #1.. - 17:36 Preforming a "Cleanup Cycle" w/254 Bbls of 3% KCL w/10 bbl sweep @ 12,605' w/406 jts. While rotating and working pipe. Circulation plug parts in return. SD circulating. Continue TIH to kill plug #4 Tagged up @12,739 (411jts). Plug depth @ 13,124. 107' of fill.start drilling plug Pump Rate 1.5 bpm 4,800 psi, back pressure on 16/64" choke, 3,700 psi.2017pm Drilled through plug #4 in 20 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 50K, SO WT 38K, NEUT 44K, Torque drilling 2,700 PSI. FS 1,900 PSI. WOB-6K Flowing 3.2 bbls per min @ 3700 psi - 16:58 - PU 9 jts 2-3/8' PH-6. Tagged frac plug #5 @ 12,590' TBGM. (ttl 406 jts) start drilling plug Pump Rate 2 bpm 4,900 psi, back pressure on 16/64" choke, 3,700 psi. Drilled through plug #5 in 31 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 50K, SO WT 40K, NEUT 44K, Torque drilling 2,200 PSI. FS 1,900 PSI. EOT @12,605'. - 15:30 - PU 7 jts 2-3/8' PH-6. Tagged frac plug #6 @ 12,306' TBGM. (ttl 397 jts) start drilling plug Pump Rate 2 bpm 4,900 psi, back pressure on 16/64" choke, 3,700 psi. Drilled through plug #6 in 41 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 42K, NEUT 44K, Torque drilling 2,200 PSI. FS 1,900 PSI. EOT @12,326'. 16:11 Continue circulation 30 bbls over w/3% KCL water w/10 bbl sweep. 16:25 Continue TIH to frac plug #5. - 13:20 - PU 7 jts 2-3/8' PH-6. Tagged frac plug #7 @ 12,093' TBGM. (ttl 390 jts) start drilling plug Pump Rate 2 bpm 4,900 psi, back pressure on 17/64" choke, 3,700 psi. Drilled through plug #7 in 45 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 50K, SO WT 42K, NEUT 46K, Torque drilling 2,500 PSI. FS 1,600 PSI. EOT @12,108'. 14:33 Continue circulation 30 bbls over w/3% KCL water w/10 bbl sweep. 15:00 Continue TIH to frac plug #6.

Daily Cost: \$0

Cumulative Cost: \$4,990,896

6/12/2013 Day: 50**Completion**

Rigless on 6/12/2013 - Continue to circulate 2-1/2 BU w/3% KCL water, pumped total of 635 bbls, MIRU JW Wireline and RIH w/Spectral Gama Ray tool to 13,745', logged up Fr/13,730 to 9,523', POOH, LD logging tools. Swivel out 5 jts. Begin tripping out of well laying down singles - Cleanout to 13815. PBDT @ 13830. Tagged hard. Swivel torqing up. Pulled up 2 ft and made a mark on the pipe. - Begin pumping 2.5 well bore volumes. R&R pipe every 5 min. Pumping 1.5 bbls per min @ 4800 psi. Returning 3.1 bbls per min on 10/64" choke @ 3750 psi. 0310am pumped 90 bbls. 0505am-pumping 1.4 bbls per min @ 4800 psi. Returning 2.7 bbls per min on 10/64" choke @ 3700 psi. total bbls pumped to this point=250 - 0015. Tagged up on jt 437 6' in =13,547. 82' of fill. - Tagged frac plug #1 @ 13629' TBGM. (ttl 439 jts) start drilling plug Pump Rate 1.5 bpm 4,900 psi, back pressure on 16/64" choke, 3,700 psi. Drilled through plug #2 in 17 min. Pump 10 bbl sweeps and while rotating and working pipe. PU WT 52K, SO WT 40K, NEUT 46K, Torque drilling 2,600 PSI. FS 2,000 PSI. . WOB-6K Flowing 3 bbls per min @ 3700 psi.0100am- Continue TIH to PBDT - Begin Pooh with 4-3/4" mill and 2-3/8" 5.95# PH-6 tbng.70 jts on the rack. Shut down due to loose chain on right angle drive of rig. - Continue to POOH with 2-3/8" PH-6 tbng 5.95#per ft.and mill bha.Currently at 9600 ft with mill.Layed down 137 jts. Still flowing well at 1/4 bbl per min at 3700 psi. - Add Lube oil to chain Box. Change roller on the spindle. Inspect chain. Chain checked good. - 17:00 RU Basic power swivel. Equalize from well across snubbing unit. Swivel out 5 jts 2-3/8" PH-6 tubing while rotating and LD tubing on pipe rack - Logging up hole from 13,730 at 60 ft/min to 9,523' "WLM". 500' above top Perf at 10,023' "WLM". 16:00 POOH w/WL tools. SI TIW valve. LD logging tools. All tools recovered. - 12:15 to 14:30 RIH w/Logging tools to 8,600? ? WLM? at 174 ft/min. Logged up hole to 8,300? correlate w/ X Nipple @ 8,436? w/tubing tally. Continue RIH to 9,590? (37*) and set down. PU WL tools to string, start pumping down at 115 ft/min at 1 bpm, 4,700 psi through 17/64? choke, 3,700 psi w/3.75 bpm in returns. SD pumping down @ 13,745?. SI casing. PU WL tools to string wt at 13,730'. SICP=3,850 psi. Started logging - 11:50 to 12:15 RU test hose on pump in sub and pressure test lubricator to

1,000 psi and check for leaks. Test good. BO pressure. RDMO Weatherford test unit. Open TWI valve. - Hold Pre Job Safety meeting with MT States, Rock Water, Weatherford. Review NFX safety Policy and Procedures, Review JSA and discuss WL procedure, over head load, Pinch Points , Pressure Release, Smoking Area, high pressure lines. - Shift change. Hold Pre Job Safety meeting with MT States, Rock Water, Weatherford. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area , PPE FRC Clothing , Pinch Points , Pressure Release, Smoking Area, rolling pipe on pipe rack, high pressure lines. - Continue to circulate wellbore at 1.4 bpm, 4,950 psi through 11/64" choke, 3,700 psi w/3 bpm in returns. Rotating and working pipe w/100 rpm. Getting light plug parts back. Pumped 345 bbls of 656 bbls. 09:45 Finish circulating wellbore clean w/290 bbls at 1.2 bpm, 4,950 psi through 11/64" choke, 3,650 psi w/3 bpm in return. Wellbore clean. Swiveled out 1 jt 2-3/8" PH-6 tbg. LD jt. Closed Weatherford single BOP 2-3/8" pipe rams, lock in same. BO pressure off snubbing unit. EOT @ 13,789' (ttl 444 jts). X Nipple @ 8,436' "TM". Rack back power swivel in derrick. Pumped total of 635 bbls of 3% KCL water. SWI w/3,850 psi. - 09:45 to 11:25 MIRU JW Wireline and Weatherford test unit. MU & PU 3-1/2" lubricator w/Pump in sub, WL BOP. PU tool string inside lubricator consisting of: Spectral Gama Ray tool 1-11/16" OD x 3.81" long, CCL 1-11/16" OD x 1.80" long, 3 Wt bars 1-11/16" OD x 21" long & Cable head 1-7-1/16" OD x 10-5/8" long. MU lubricator on top of Weatherford 2" full opening TIW valve (closed).

Daily Cost: \$0

Cumulative Cost: \$5,570,998

6/13/2013 Day: 51**Completion**

Rigless on 6/13/2013 - Snub/POOH w/150 jts 2-3/8" PH-6 (CR WS), BHA, RD MT States snubbing unit, NU blind flange on top of BOP stack, RD WOR, - Wait on work over rig for completion - 07:45 POOH w/42 jts 2-3/8" PH-6 (CR WS) EOT @ 1,298.72'. Snub OOH 108 jts 2-3/8" PH-6 (CR WS) EOT @ 3,341.70' and XN Nipple 2.785 OD x 1.710 ID x 0.64' long, 1 jt 2-3/8" PH-6 (CR WS) & BHA consisting of: Double flapper bit sub 2.785" OD x 1.000" ID x 0.75' long & Concave inserted mill 2.875" OD x 4.625" OD x 2.785" OD x 4.625" OD x 1.250" ID x 1.71' long. 11:45 OOH w/2-3/8" PH-6. Closed FMC 7-1/16" 10K HCR valve. LD BHA. Inspect mill. Mill look good w/scratches on side of mill. Found Bit and bit sub, bottom flapper valve plug and it appear to be scale. Take picture and sent to Engineer. Flow back. 10,461 Bbls w/10 Bbls of oil. TLR 10,471 Bbls - 07:30 Equalize from well across snubbing unit BOP/stack w/3,700 psi. Open Weatherford single BOP pipe rams/MT Sates snubbing unit #3 BOP rams. 07:45 Currently Snubbing/POOH while LD 2-3/8" PH-6 (CR WS) on pipe racks. Flowback well @ 3 bpm, 3,700 psi to keep pressure down while Snubbing OOH. - 06:30 SD Snubbing operation due to high wind condition. Wind monitor indicate average of 20 mile winds and gusting at 35+. Will resume snubbing operation when safe operation. - 05:45 Shift change. Hold Pre Job Safety meeting with MT States, Rock Water, Weatherford. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area , PPE FRC Clothing , Pinch Points , Pressure Release, Smoking Area, rolling pipe on pipe rack, high wind condition. - Well Secure. Waiting on day light to finish tripping to balance point and then snub the rest of the tbg out of the well. Rig crew is going to eat and then preform rig maintenance. - Continue pulling tbg out of well. 150 jts of 2-3/8" 5.95# PH-6 tbg left in well. EOT+BHA=4640'. Well flowing on 12/64" choke @3750 psi 3.2 bbls per min - Continue laying down 2-3/8" PH-6. 5.95# workstring. 190 jts + Bha left in the well. EOT=5879. Flowing well on 12/64" choke at 2 bbls per min. Well pressure @ 3750 psi. - 12:00 Weatherford on location to ND Mountian States 7-1/16" 5K snubbing unit. 14:30 Preparing to RD WOR and move over to 4-18-3-3WH when wind die down enough to RD. 16:00 RD Mountian States WOR and mover over to 4-18-3-3WH 17:00 Finish RD WOR (Bad 2-3/8" PH-6 tubing BH006, BH369, BH012 No drift & 3575 gash on jt)

Daily Cost: \$0

Cumulative Cost: \$5,674,069

6/14/2013 Day: 52**Completion**

Rigless on 6/14/2013 - Waiting to flow well and run logs with coil tubing unit. - Waiting to flow well and run logs with coil tubing unit.

Daily Cost: \$0

Cumulative Cost: \$5,724,761

6/15/2013 Day: 53**Completion**

Rigless on 6/15/2013 - Wait on Coiltbng unit to do production logs. - Wait on Coiltbng unit to do production logs.

Daily Cost: \$0

Cumulative Cost: \$5,749,630

6/16/2013 Day: 54**Completion**

Rigless on 6/16/2013 - Wait on Coiltbng unit to do production logs. - Wait on Coiltbng unit to do production logs.

Daily Cost: \$0

Cumulative Cost: \$5,791,014

6/17/2013 Day: 55**Completion**

Rigless on 6/17/2013 - Wait on Coiltbng unit to do production logs. - Wait on Coiltbng unit to do production logs.

Daily Cost: \$0

Cumulative Cost: \$5,803,458

6/18/2013 Day: 56**Completion**

Rigless on 6/18/2013 - Installed SCADA gauges on the 4A/4-18-3-3WH w/DFIT gauge on the 4-18-3-3WH. FCP 3,700 psi through 4/64" choke. Flow well back - No Activity. Standby & wait on order to flowback well. - 2000-Well flowing on 4/64" choke 18 bbl per hour @3679 psi. Returning 100% water. No oil. 2105-Well flowing on 4/64" choke 19 bbl per hour @3683 psi. Returning 100% water. No oil. 2205-Well flowing on 4/64" choke 18 bbl per hour @3683 psi. Returning 100% water. No oil. 2305-Well flowing on 4/64" choke 18 bbl per hour @3679 psi. Returning 100% water. No oil. 0000-Well flowing on 4/64" choke 18 bbl per hour @3674 psi. Returning 100% water. No oil. - 1800-Well flowing on 4/64" choke 30 bbl per hour @3690 psi. Returning 100% water. No oil. 1925-Well flowing on 4/64" choke 30 bbl per hour @3681 psi. Returning 100% water. No oil. - 16:00 All SCADA gauges installed on 4A/4-18-3-3WH. RU NFX equalizing hose from casing to kill valve outlet. Equalize from well across BOP stack w/3,700 psi. Open HCR valve. Closed kill & casing valves on the 4A-18-3-3WH. BO pressure. RD NFX equalizing hose. Open SCADA gauge. RU equalizing hose from flow cross from the 4A-18-3-3WH to the kill valves on 4-18-3-3WH and equalize across BOP stack w/3,700 psi. Open HCR valve. Closed kill & flow cross valves. BO pressure. RD equalizing hose. Open SCADA gauge and DFIT gauge. SICP 3,888 psi on the 4-18-3-3WH. 16:55 Open well on the 4A-18-3-3WH on 2/64? adjustable choke w/3,700 psi while flowing through Production equipment. 17:10 FCP at 3,700 psi flowing through 4/64? choke through Production equipment.

Daily Cost: \$0

Cumulative Cost: \$5,825,427

6/19/2013 Day: 57**Completion**

Rigless on 6/19/2013 - Continue FB well while monitoring the 4-18. Open 4-18-3-3WH, at 15:10 open well on 4-18-3-3WH. - 21:00 Well Temp 85*. -FCP on 6/64" choke 13 bbl per hour @3759 psi. Returning 100% water. No oil. 0 MCF sales gas. 22:00 Well Temp 80*. -FCP on 6/64" choke 9 bbl per hour @3752 psi. Returning 100% water. No oil. 0 MCF sales gas. 23:00 Well Temp 78*. -FCP on 6/64" choke 6 bbl per hour @3755 psi. Returning 100% water. No oil. 0 MCF sales gas - 18:00 Well Temp 92*. -FCP on 6/64" choke 30 bbl per hour @3737 psi. Returning 100% water. No oil. 0 MCF sales gas. 19:00 Well Temp 92*. -FCP on 6/64" choke 13 bbl per hour @3752 psi. Returning 100% water. No oil. 0 MCF sales gas. 20:00 Well Temp 92*. -FCP on 6/64" choke 10 bbl per hour @3762 psi. Returning 100% water. No oil. 0 MCF sales gas - 13:00 Well Temp 92*. -FCP on 6/64" choke 22 bbl per hour @3662 psi. Returning 100% water. No oil. 4-18 Temp 89* SICIP 3876 psi. 14:00 Well Temp 89*. -FCP on 6/64" choke 22 bbl per hour @3658 psi. Returning 100% water. No oil. 164 MCF sales gas. 4-18 Temp 89* SICIP 3873 psi 15:00 Well Temp 92*. -FCP on 6/64" choke 23 bbl per hour @3680 psi. Returning 100% water. No oil. 0 MCF sales gas. 4-18 Temp 88* SICIP 3865 psi. Open Well @ 15:10. - 10:00 Well Temp 74*. -FCP on 6/64" choke 22 bbl per hour @3674 psi. Returning 100% water. No oil. 4-18 Temp 72* SICIP 3876 psi 11:00 Well Temp 72*. -FCP on 6/64" choke 16 bbl per hour @3667 psi. Returning 100% water. No oil. 4-18 Temp 72* SICIP 3878 psi 12:00 Well Temp 88*. -FCP on 6/64" choke 20 bbl per hour @3669 psi. Returning 100% water. No oil. 4-18 Temp 88* SICIP 3888 psi - 07:00 Well Temp 78*. -FCP on 6/64" choke 22 bbl per hour @3673 psi. Returning 100% water. No oil. 4-18 Temp 66* SICIP 3887 psi 08:00 Well Temp 77*. -FCP on 6/64" choke 17 bbl per hour @3675 psi. Returning 100% water. No oil. 4-18 Temp 73* SICIP 3885 psi 09:00 Well Temp 79*. -FCP on 6/64" choke 17 bbl per hour @3678 psi. Returning 100% water. No oil. 4-18 Temp 72* SICIP 3888 psi - 0500-Well flowing on 6/64" choke 20 bbl per hour @3675 psi. Returning 100% water. No oil. 0600-Well flowing on 6/64" choke 20 bbl per hour @3673 psi. Returning 100% water. No oil. - 0100-Well flowing on 4/64" choke 18 bbl per hour @3674 psi. Returning 100% water. No oil. 0200-Well flowing on 4/64" choke 20 bbl per hour @3685 psi. Returning 100% water. No oil. 0300-Well flowing on 4/64" choke 4 bbl per hour @3687 psi. Returning 100% water. No oil. 0400-Well flowing on 6/64" choke 18 bbl per hour @3675 psi. Returning 100% water. No oil. - 16:00 Well Temp 90*. -FCP on 6/64" choke 22 bbl per hour @3695 psi. Returning 100% water. No oil. 0 MCF sales gas. 17:00 Well Temp 92*. -FCP on 6/64" choke 20 bbl per hour @3720 psi. Returning 100% water. No oil. 0 MCF sales gas. Hauled off 316 Bbls.

Daily Cost: \$0**Cumulative Cost:** \$5,842,026**6/20/2013 Day: 58****Completion**

Rigless on 6/20/2013 - Continue Flowing well - 03:00 Well Temp 71*. -FCP on 6/64" choke 30 bbl per hour @3737 psi. Returning 100% water. No oil. 36 MCF sales gas. 04:00 Well Temp 70*. -FCP on 6/64" choke 21 bbl per hour @3755 psi. Returning 100% water. No oil. 47 MCF sales gas. 05:00 Well Temp 70*. -FCP on 6/64" choke 9 bbl per hour @3784 psi. Returning 100% water. No oil. 47 MCF sales gas 06:00 Well Temp 71*. -FCP on 6/64" choke 61 bbl per hour @ 3767 psi. Returning 100% water. No oil. 42 MCF sales gas - 07:00 Well Temp 79*. -FCP on 6/64" choke 17 bbl per hour @3776 psi. Returning 100% water. No oil. 55 MCF sales gas. 08:00 Well Temp 88*. -FCP on 6/64" choke 16 bbl per hour @3797 psi. Returning 100% water. No oil. 46 MCF sales gas. 09:00 Well Temp 84*. -FCP on 6/64" choke 27 bbl per hour @3800 psi. Returning 100% water. 09:45 Started seeing oil. 44 MCF sales gas. 10:00 Well Temp 92*. -FCP on 6/64" choke 25 bbl per hour @3808 psi. Returning 100% water. Trace of oil. 50 MCF sales gas. - 11:00 Well Temp 82*. -FCP on 6/64" choke 25 bbl per hour @3792 psi. Returning 100% water. Trace. 46 MCF sales gas. 12:00 Well Temp 83*. -FCP on 6/64" choke 25 bbl per hour @3815 psi. Returning 100% water. Trace. 96 MCF sales gas. 13:00 Well Temp 83*. -FCP on 6/64" choke 25 bbl per hour @3788 psi. Returning 100% water. Trace. 151 MCF sales gas 14:00 Open well on 8/64? choke @ 3,781 psi 14:00 Well Temp 80*.

-FCP on 6/64" choke 35 bbl per hour @3775 psi. Returning 100% water. Trace of oil. 78 MCF sales gas. 15:00 Well Temp 91*. -FCP on 8/64" choke 37 bbl per hour @3781 psi. Returning 100% water. Trace of oil. 181 MCF sales gas - 16:00 Well Temp 103*. -FCP on 8/64" choke 71 bbl per hour @3780 psi. Returning 100% water. Trace of oil. 119 MCF sales gas. 17:00 Well Temp 106*. -FCP on 8/64" choke 48 bbl per hour @3765 psi. Returning 100% water. Trace of oil. 190 MCF sales gas+ - 18:00 Well Temp 110*. -FCP on 8/64" choke 73 bbl per hour @3745 psi. Returning 100% water. No oil. 167 MCF sales gas. 19:00 Well Temp 107*. -FCP on 8/64" choke 43 bbl per hour @3734 psi. Returning 100% water. No oil. 172 MCF sales gas. 20:00 Well Temp 107*. -FCP on 8/64" choke 52 bbl per hour @3734 psi. Returning 100% water. No oil. 146 MCF sales gas - 21:00 Well Temp 101*. -FCP on 8/64" choke 38 bbl H2O per hour @3732 psi. 20 bbl Oil per hour 75 MCF sales gas. 22:00 Well Temp 96*. -FCP on 8/64" choke 39 bbl H2O per hour @3708 psi. 20 bbl Oil per hour 64 MCF sales gas. 23:00 Well Temp 98*. -FCP on 8/64" choke 54 bbl H2O per hour @3697 psi. 15 bbl Oil per hour 69 MCF sales gas. - 24:00 Well Temp 74*. -FCP on 6/64" choke 10 bbl per hour @3740 psi. Returning 100% water. No oil. 0 MCF sales gas. 01:00 Well Temp 72*. -FCP on 6/64" choke 12 bbl per hour @3746 psi. Returning 100% water. No oil. 327 MCF sales gas. 02:00 Well Temp 69*. -FCP on 6/64" choke 12 bbl per hour @3735 psi. Returning 100% water. No oil. 62 MCF sales gas

Daily Cost: \$0

Cumulative Cost: \$6,013,362

6/21/2013 Day: 59**Completion**

Rigless on 6/21/2013 - Continue to FB well, MI & spot Cudd CTU, J&C crane, - 03:00 Well Temp 85*. -FCP on 8/64" choke 21 bbl H2O per hour @3724 psi. 3 bbl Oil per hour 58MCF sales gas. 04:00 Well Temp 87*. -FCP on 8/64" choke 29 bbl H2O per hour @3724 psi. 2 bbl Oil per hour 59MCF sales gas. 05:00 Well Temp 73*. -FCP on 8/64" choke 26 bbl H2O per hour @3723 psi. 0 bbl Oil per hour 73MCF sales gas - 24:00 Well Temp 94*. -FCP on 8/64" choke 14 bbl H2O per hour @3688 psi. 10 bbl Oil per hour 85 MCF sales gas. 01:00 Well Temp 88*. -FCP on 8/64" choke 26 bbl H2O per hour @3698 psi. 29 bbl Oil per hour 88 MCF sales gas. 02:00 Well Temp 87*. -FCP on 8/64" choke 39 bbl H2O per hour @3716 psi. 25 bbl Oil per hour 33 MCF sales gas - 21:00 Well Temp 96*. -FCP on 10/64" choke 35 bbl H2O per hour @3689 psi. 2 bbl Oil per hour 101MCF sales gas. 22:00 Well Temp 97*. -FCP on 10/64" choke 25 bbl H2O per hour @3672 psi. 13 bbl Oil per hour 80MCF sales gas. 23:00 Well Temp 96*. -FCP on 10/64" choke 31 bbl H2O per hour @3667 psi. 5 bbl Oil per hour 114MCF sales gas - 18:00 Well Temp 100*. -FCP on 10/64" choke 35 bbl H2O per hour @3697 psi. 6 bbl Oil per hour 99MCF sales gas. 19:00 Well Temp 101*. -FCP on 10/64" choke 17 bbl H2O per hour @3694 psi. 2 bbl Oil per hour 105MCF sales gas. 20:00 Well Temp 99*. -FCP on 10/64" choke 50 bbl H2O per hour @3696 psi. 3 bbl Oil per hour 90MCF sales gas - 17:00 Well Temp 110*. -FCP on 10/64" choke 37 bbl H2O per hour @ 3690 psi. 14 bbl Oil per hour 115 MCF sales gas - 13:00 Well Temp 110*. -FCP on 8/64" choke 26 bbl H2O per hour @ 3700 psi. 1 bbl Oil per hour 77 MCF sales gas. 14:00 Well Temp 105*. -FCP on 8/64" choke 27 bbl H2O per hour @ 3700 psi. 5 bbl Oil per hour 63 MCF sales gas 15:00 Well Temp 110*. -FCP on 8/64" choke 20 bbl H2O per hour @ 3700 psi. 10 bbl Oil per hour 70 MCF sales gas. 16:00 Well Temp 110*. -FCP on 8/64" choke 34 bbl H2O per hour @ 3700 psi. 7 bbl Oil per hour 82 MCF sales gas 16:20 Open well to 10/64" choke. - 10:55 MI & spot CUDD CT equipment and J&C crane. CUDD RU pressure lines to well head. Dewey on location to ground CT equipment and crane. MI & spot 3 set of Hammer pipe racks for 2-3/8' L-80 tbg. Grayco drop off 2-3/8" YT elevator 11:00 Well Temp 111*. -FCP on 8/64" choke 17 bbl H2O per hour @ 3700 psi. 8 bbl Oil per hour 62 MCF sales gas. 12:00 Well Temp 111*. -FCP on 8/64" choke 27 bbl H2O per hour @ 3700 psi. 2 bbl Oil per hour 66 MCF sales gas - 10:30 Hold Pre Job Safety meeting with CUDD CT Personnel, Rock Water. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area ,PPE FRC Clothing , Pinch Points ,Pressure Release, Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. - 06:00 Well Temp 105*. -FCP on 8/64" choke 25 bbl H2O per hour @3675 psi. 10 bbl Oil per hour 84 MCF sales gas.

07:00 Well Temp 105*. -FCP on 8/64" choke 27 bbl H2O per hour @ 3675 psi. 0 bbl Oil per hour 89 MCF sales gas. 08:00 Well Temp 105*. -FCP on 8/64" choke 8 bbl H2O per hour @ 3675 psi. 0 bbl Oil per hour 65 MCF sales gas 09:00 Well Temp 111*. -FCP on 8/64" choke 42 bbl H2O per hour @ 3690 psi. 5 bbl Oil per hour 64 MCF sales gas. 10:00 Well Temp 111*. -FCP on 8/64" choke 33 bbl H2O per hour @ 3690 psi. 2 bbl Oil per hour 100 MCF sales gas

Daily Cost: \$0

Cumulative Cost: \$6,041,047

6/22/2013 Day: 60**Completion**

Rigless on 6/22/2013 - Continue to FB well, MIRU Cudd CTU, J&C crane, pressure test CT. - 23:00 ? Pressure test CT lubricator, safety pipe rams, pipe rams & shell test to 250 low for 5 minutes & 10,000 for 10minutes high. 23:45 ? Had to shut down due to the top set of pipe rams failed during the high pressure test. CUDD will tear the top set of pipe rams apart and look at it and replace what?s necessary. - Held PJSM with everybody on location and started picking up CUDDs Injector head @ 21:00. Get CUDD RU and Pressure test the rest of CUDDs stuff. - 17:10 Waiting for wind to die down enough to continue RU there injector head. As per CUDD Supervisor CAT. - 14:45 MIRU Weatherford test unit. Perform dead head test against unit for 5 min. Test good. RU test hose on double BOP kill valve outlet. Test CT as per NFX procedure. Function & pressure bottom blind/shear rams to 250 psi for low, for 5 min against HCR valve. Test good. BO pressure. Test same to 9,500 psi. Test good. Open bottom blind/shear rams. Function & pressure 4-1/16? 15K Manual gate valve to 250 for low, for 5 min. Test good. BO pressure. Test same to 9,500 psi for 10 min. Test good. BO pressure. Open manual gate valve. 16:00 Function & pressure testing top blind shear rams and 2 HCR valve (one on each side) to 250 psi for low, for 5 min. Test good. BO pressure. Test same to 9,500 psi for high, for 10 min. Test good. BO pressure. - 24:00 Well Temp 95*. -FCP on 10/64" choke 39 bbl H2O per hour @3662 psi. 12 bbl Oil per hour 99MCF sales gas. 01:00 Well Temp 95*. -FCP on 10/64" choke 35 bbl H2O per hour @3663 psi. 5 bbl Oil per hour 92MCF sales gas. 02:00 Well Temp 94*. -FCP on 10/64" choke 23 bbl H2O per hour @3661 psi. 4 bbl Oil per hour 90MCF sales gas - 11:00 SWI. BO pressure. Will continue to FB and monitor the 4-18 while CO the 4A-18. 11:00 Well Temp 112*. -FCP on 10/64" choke 60 bbl H2O per hour @ 3625 psi. 8 bbl Oil per hour 112 MCF sales gas 12:00 Runners on locaation w/2-3/8" Production. Unloaded 308 jts 2-3/8", 4.7#, L-80 EUE 8rd tubing. - 10:30 Hold Pre Job Safety meeting with CUDD CT Personnel, Rock Water, Weatherford. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area ,PPE FRC Clothing , Pinch Points ,Pressure Release, Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. - 06:00 Well Temp 92*. -FCP on 10/64" choke 40 bbl H2O per hour @ 3650 psi. 8 bbl Oil per hour 93 MCF sales gas 07:00 Well Temp 100*. -FCP on 10/64" choke 30 bbl H2O per hour @ 3585 psi. 5 bbl Oil per hour 107 MCF sales gas. 08:00 Well Temp 112*. -FCP on 10/64" choke 34 bbl H2O per hour @ 3645 psi. 5 bbl Oil per hour 102 MCF sales gas 09:00 Well Temp 113*. -FCP on 10/64" choke 15 bbl H2O per hour @ 3635 psi. 8 bbl Oil per hour 114 MCF sales gas. 10:00 Well Temp 115*. -FCP on 10/64" choke 60 bbl H2O per hour @ 3635 psi. 7 bbl Oil per hour 78 MCF sales gas - 03:00 Well Temp 92*. -FCP on 10/64" choke 15 bbl H2O per hour @3657 psi. 1 bbl Oil per hour 70MCF sales gas. 04:00 Well Temp 89*. -FCP on 10/64" choke 64 bbl H2O per hour @3653 psi. 15 bbl Oil per hour 112MCF sales gas. 05:00 Well Temp 81*. -FCP on 10/64" choke 31 bbl H2O per hour @3649 psi. 4 bbl Oil per hour 96MCF sales gas - MIRU CUDD CTU consisting of: 7-1/16? 10K x 4-1/16? 15K spool, 4-1/16? 15K CT single BOP w/blind shears rams, 4-1/16? 15K manual gate valve, 4-1/16? 15K CT BOP w/pipe safety rams, 4-1/16? 15K flow cross w/1 HCR valve on each side & 4-1/16? 15K Quad BOP stack w/bottom pipes rams, Middle slip rams & top Blind/shear rams. 12:00 Runners on locaation w/2-3/8" Production. Unloaded 308 jts 2-3/8", 4.7#, L-80 EUE 8rd tubing.

Daily Cost: \$0

Cumulative Cost: \$6,058,264

6/23/2013 Day: 61**Completion**

Rigless on 6/23/2013 - PT CT stack. Fish CT connector. Finish PT CT stack. RIH. Hydraulic problem w/ CT unit. POOH. Work on CT hydraulics. - 21:45 ? Cleaned 3 console control filters. Hydraulic tank filter indicators show one red & one showed green. Pulled one filter to find part number. Re-installed used filter. Trying find new filters. Current operation: Secure well, Cudd CT unit, Cudd pump unit & JC Crain. SD operations until Hydraulic filters for CT unit can be found & installed. Plan forward: Waiting on hydraulic filters for Cudd CT unit. Replace filters upon arrival on location. RIH & C/O lateral. 19:15 Cudd out of the hole. Closed the HCR valve. CUDD has checked all there fitting all is good. CUDD has checked the case train and eliminated the motor. We are currently waiting on filters and CUDD doesn't know if and when they will have some. - 17:15 Currently TOOH w/CT & BHA due to Hydraulic issue. Started down hole w/1900 psi HYD pressure at 5,000'. Started losing HYD pressure down to 1,200 psi. CUDD is trying to figuring out the issue. 18:15 Cudd out of the hole. Closed the HCR valve. 19:15 CUDD has checked all there fitting all is good. CUDD has checked the case train and eliminated the motor. We are currently waiting on filters and CUDD doesn't know if and when they will have some. - 15:35 Open well. SICP = 3,641 psi. TIH w/BHA on bottom of CUDD 2? CT at 80 ft/min. 16:30 Currently at 2,270? ?CTM?. Continue TIH w/2? CT/ BHA at 80 ft/min, circulating .7 bpm at 3,680 psi through 11/64? choke, 3,400 psi. getting back 1.7 bpm in return to Production equipment. - 13:30 NU CTU on top 7-1/16" 10K BOP stack. 13:50 Function & pressure test bottom stripper to 250 psi for low, for 5 min. Test good. Test same to 8,000 psi for 10 min. Test good. BO pressure to 2,000 psi to check BPV for 5 min. Test good. BO pressure. Open bottom stripper. Closed top stripper. Function pressure test to 250 psi for low, for 5 min. Test good. BO pressure. Test same to /8,000 psi for high, for 10 min. Test good. BO pressure to 3,900 psi. Zero counter, tied down line cable to deadmen - 12:35 MU Weatherford 2.875" OD jar, 2.875" OD high tensile disconnect w/disconnect ball .625". Pressure test. Jar, disconnect to 2,500 psi for 5 min. Test good. BO pressure. MU Weatherford BHA consisting of: 2" coil tubing connector, MHA w/disconnect ball .875" 2.875" OD x 0.683" ID x 3.55' long, Dual acting jar 2.875" OD x 0.938" ID x 6.22' long, High Tensile Disconnect w/ disconnect ball 0.625" 2.875" OD x 0.500" ID x 2.27' long, HTCTD Motor 2.875" OD x 0000" ID x 12.41' long & 4.528" OD 5 bladed Concave mill. Function test HTCTD Motor at 1.5 bpm, at 2 bpm at 1980 psi. Test good. - 11:05: Untorqued 7-1/16" 10K flange from Weatherford BOP stack. PU CT w/crane. MU Weatherford 2" CT connector, 2.875" OD MHA w/disconnect ball .875" on bottom of 2" CT. Screwed in a pull test flange on bottom of MHA. Pulled test 2" CT connector to 25K and check and tighten CT connector. Pulled test 2" CT connector to 30K and check and tighten CT connector. Pull test good. Filled CT and pressure CT connector and MHA to 2,500 psi for 5 min with chart. Test good. BO pressure. RD pull test flange. - 00:00 ? Opened pipe rams doors. Ram rubbers bad. Ram blocks bad where CT connector hit. Call for new pipe ram blocks. Tubing connector missing. Pulled off of CT & dropped on top of HCR valve. 02:00- Going to put on another connector and get it pull tested. Also called to get 6 ?? magnet and a 4 1/16? and 15 foot sub to get in to the BOP stack and get the connector off the top of the HCR valve. - 08:55 Installed top 2? pipe rams. Cut off damage 2? CT connector. RU CUDD lubricator onto top Quad BOP stack. Closed top pipe rams around 2? CT. RU Weatherford test hose on CUDD flowcross and open there HVR valve. Function & pressure test top 2? pipe rams w/CUDD manual gate valve close. Found a leak on Weatherford 1502 hammer union. SD to fix leak. 09:15 Function & pressure test top 2? pipe rams w/CUDD manual gate valve close. 1502 hammer union still leaking. BO pressure. Open CUDD manual gate valve, hook up Weatherford test hose to double BOP kill valve. 09:30 Function & pressure test 2" CT top pipe rams to 250 psi for low, for 5 min. Test good. BO pressure. Test same to 9,000 psi for 10 min. Test good. BO pressure. SD for safety stand down. - 06:25 Currently CUDD is looking at the pipe rams to figure out the issue 06:25 CUDD open doors on top pipe rams, found the pipe rams was shut around the 2? CT connector and would not hole a pressure test. The new pipe rams was damage. 08:18 Currently Repairing another set of pipe rams, the 2? CT connector was also damage by the pipe rams. Weatherford Caliper the CT connector and found it damage. Will install another 2? CT

connector and pull test it. NOTE Will be SD to hold a safety stand down when repairs are complete to go over last night incident, to make sure it doesn't happen again. - 05:45 Finish NU & torquing down 7-1/16" x 4-1/16" flange. 05:50 Filled CT stack and test 2" CT. Close pipe rams around 2 CT. Function & pressure test top set of pipe rams, flowback lines & 7-1/16" x 4-1/16" flange to 500 psi for low. Leak off. - 05:00 ? PU Weatherford 7" magnet & lower into BOP to top of HCR valve. Tag CT connector. Pull magnet out of BOP. CT connector on magnet. LD magnet & connector. 05:30 - Attach CT stack to BOP stack & torque the 7 1/16" x 4 1/16" flange. - 02:30 ? Pull test Weatherford CT connector to 30K. Good test. No slippage. Replacement pipe ram bodies on location. Redress & install upper pipe rams. 03:30 ? Weatherford magnets & X-overs on location. 04:00- RU CUDD crane to lift up the Magnet to fish the connector off the top of the HCR valve. Untorqued the 7 1/16" x 4 1/16" flange. To lift the Injector head, Lubricator and CUDD BOP stack. - 10:30 Hold Safety stand down for incident that accrued last night pressure testing w/all personnel on location. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area, PPE FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Pressure testing & MU Weatherford BHA.

Daily Cost: \$0

Cumulative Cost: \$6,088,183

6/24/2013 Day: 62**Completion**

Rigless on 6/24/2013 - Replace hydraulic filter, Monitor hydraulic pressure for 30 min, RIH to cleanout the wellbore to PBD. - 20:50- CUDD is @ 12,200' pumped a 10bbl gel sweep still no sand going to POOH on a short trip to 9,200' then RIH to next short trip. So far the amount of sand back when pulling samples has been about a 16th of a teaspoon in the bottom of a pint bottle out of three samples pulled so far. - 18:00- CUDD did a weight check @ 5700' and everything looked good according to the calculations. Started RIH with coil to do our clean out operations. 19:20- First short trip @ 11,040' no sign sand at this point. Back up to 9200' RIH to next short trip. 20:00 Held PJSM with W/ everybody on location that's going to be here for the night. CUDD continue Running back in the hole to the next short trip. - 14:30 Perform a hydraulic snub test to 3,850, 4,850 & 4,850 for 10 min w/ no hydraulic leak off. 15:40 Open 7-1/16" 10K Blind/shear rams. Pressure up to 4,000 psi on BOP and open well w/3,468 psi. 16:15 TIH w/CT & BHA. 17:30 Currently @ 3,350' ?CTM?. Continue to TIH w/CT & BHA at 100 ft/min. Circulating .7 bpm at 3,850 psi through 14/64" choke at 3,350 psi to production equipment. Getting 1.7 bpm back in returns.. - No activity. Waiting on hydraulic filter for Coil Tubing unit. - 13:15 Hold Pre Job Safety meeting w/all personnel on location. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area, PPE FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. - 12:20 Cudd on location w/one Hydraulic filter. Because that was the only one they had. They told Cudd they could get some from Dallas TX. 12:40 Currently Replacing the one Hydraulic filter that had the red light on. Will let you know if this fixing the problem. - 13:40 Priming pump and look for hydraulic leaks. No leak. Installed 1 manual gauges on both hydraulic pump. Both gauges on hydraulic pump hold 500 psi, the hydraulic pressure for Injector motor at 480 psi inside panel. Monitor hydraulic pressure for 30 min to maintain pressure.

Daily Cost: \$0

Cumulative Cost: \$6,137,945

6/25/2013 Day: 63**Completion**

Rigless on 6/25/2013 - Finish cleanout of the well, RD coil tbg and put well back on flowback for PTL log. - 12:00 Well Temp 97*. -FCP on 10/64" choke 3 bbl H2O per hour @ 3440 psi. 2 bbl Oil per hour. 0MCF sales gas. 13:00 Well Temp 108*. -FCP on 10/64" choke 72 bbl H2O per hour @ 3440 psi. 0 bbl Oil per hour. 89MCF sales gas. 14:00 Well Temp 107*. -FCP on

10/64" choke 73 bbl H2O per hour @ 3551 psi. 0 bbl Oil per hour 0MCF sales gas. 15:00 Well Temp 118*. -FCP on 10/64" choke 30 bbl H2O per hour @ 3551 psi. 0 bbl Oil per hour. 75MCF sales gas. 16:00 Well Temp 104*. -FCP on 10/64" choke 40 bbl H2O per hour @ 3548 psi. 6 bbl Oil per hour 116MCF sales gas. - 10:15 Pressure test 7-1/16" 10K night cap to 250 for low, for 5 min. Test good. BO pressure. Test same to 10,000 psi for high, for 10 min. Test good. BO pressure down to 4,000 psi. 10:43 Open well on 10/64" choke at 3,500 psi. Currently FB well to Production equipment. - 08:30 Weatherford ND Cudd CTU. 08:45 MIRU Cudd crane. ND 7-1/16" 10K night cap off of the 4-18 and NU night cap on 4A-18. Plan is to torque all bolts and test. FB well. - 08:00 Shift Change. Hold Pre Job Safety meeting w/all personnel on location. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area, RD CTU, PPE FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. - 06:00 Currently at 5,000' ?CTM?. Continue TOOH w/BHA on bottom of 2' CT at 45 ft/min. Circulating .7 bpm at 3,500 psi through 12/64" choke at 3,300 psi to Production equipment. Getting 1.6 bpm back in returns w/no sand. 07:45 OOH w/Cudd 2' CT. SWI. BO pressure to FB tanks. 08:00 Weatherford on location to ND Cudd CT and RU 7-1/16" 10K blind flange and test same. - 17:00 Well Temp 106*. -FCP on 10/64" choke 25 bbl H2O per hour @ 3550 psi. 2 bbl Oil per hour 146MCF sales gas. - 03:00- pumped a 40bbl sweep at the heel. - 22:00-So far the amount of sand back when pulling samples has been about a 16th of a teaspoon in the bottom of a pint bottle out of three samples pulled so far. 00:40-Coil tagged up @13,815'. We pumped a two 20bbbls sweeps 20bbbls apart. Then we pumped 15bbbls after the second sweep. Started POOH @ 01:00. Never did see any sand with the coil tbg. - 21:00 Well Temp 116*. - FCP on 10/64" choke 37 bbl H2O per hour @ 3584 psi. 13 bbl Oil per hour. 121MCF sales gas. 22:00 Well Temp 116*. -FCP on 10/64" choke 25 bbl H2O per hour @ 3584 psi. 2 bbl Oil per hour 122MCF sales gas. 23:00 Well Temp 115*. -FCP on 10/64" choke 37 bbl H2O per hour @ 3587 psi. 15 bbl Oil per hour 93 MCF sales gas. - 18:00 Well Temp 107*. -FCP on 14/64" choke 110 bbl H2O per hour @ 3275 psi. 1 bbl Oil per hour. 0MCF sales gas. 19:00 Well Temp 106*. -FCP on 14/64" choke 14 bbl H2O per hour @ 3410 psi. 0 bbl Oil per hour 0MCF sales gas. 20:00 Well Temp 105*. -FCP on 14/64" choke 64 bbl H2O per hour @ 3398 psi. 0 bbl Oil per hour 51MCF sales gas. - Continue to POOH to surface with coil tbg. 05:15- Coil tbg at 7400' and continuing to POOH.

Daily Cost: \$0

Cumulative Cost: \$6,188,269

6/26/2013 Day: 64**Completion**

Rigless on 6/26/2013 - Flowback well. - 21:00 Well Temp 116*. -FCP on 10/64" choke 37 bbl H2O per hour @ 3584 psi. 13 bbl Oil per hour. 121MCF sales gas. 22:00 Well Temp 116*. - FCP on 10/64" choke 25 bbl H2O per hour @ 3584 psi. 2 bbl Oil per hour 122MCF sales gas. 23:00 Well Temp 115*. -FCP on 10/64" choke 37 bbl H2O per hour @ 3587 psi. 15 bbl Oil per hour 93 MCF sales gas. - 18:00 Well Temp 123*. -FCP on 10/64" choke 40 bbl H2O per hour @ 3573 psi. 1 bbl Oil per hour. 153MCF sales gas. 19:00 Well Temp 120*. -FCP on 10/64" choke 35 bbl H2O per hour @ 3566 psi. 5 bbl Oil per hour 193MCF sales gas. 20:00 Well Temp 118*. -FCP on 10/64" choke 28 bbl H2O per hour @ 3559 psi. 14 bbl Oil per hour 180MCF sales gas. - 15:10 Runners on location and loaded 172 jts 2-3/8" PH-6 (BH WS) & 4 jts 2-3/8" PH-6 (#3 WS). Total 176 bad jts. Left 59 good jts BH & 239 good jts #3 on location. Total on location 291 jts 2-3/8" PH-6 (BH and #3 WS).. 16:00 Well Temp 115*. -FCP on 10/64" choke 22 bbl H2O per hour @ 3567 psi. 13 bbl Oil per hour 169 MCF sales gas. 17:00 Well Temp 115*. -FCP on 10/64" choke 28 bbl H2O per hour @ 3566 psi. 7 bbl Oil per hour 153 MCF sales gas. - 13:45 Turn Well over to Energy Services & Rockwater to FB well until FB is completed. 14:00 Well Temp 114*. -FCP on 10/64" choke 40 bbl H2O per hour @ 3675 psi. 40 bbl Oil per hour 164 MCF sales gas. 15:00 Well Temp 115*. -FCP on 10/64" choke 33 bbl H2O per hour @ 3568 psi. 33 bbl Oil per hour 170 MCF sales gas. - 12:00 Well Temp 117*. -FCP on 10/64" choke 34 bbl H2O per hour @ 3566 psi. 5 bbl Oil per hour 117 MCF sales gas. 12:40 RD Cudd BOP, Lubricator & injector head. RD J&C Crane. Plan is to RD Cudd CT & J&C Crane

and leave equipment on location for standby until FB is completed. 13:00 Well Temp 116*. - FCP on 10/64" choke 25 bbl H2O per hour @ 3570 psi. 10 bbl Oil per hour 176 MCF sales gas. - 00:00 Well Temp 117*. -FCP on 10/64" choke 30 bbl H2O per hour @ 3592 psi. 5 bbl Oil per hour. 130 MCF sales gas. 01:00 Well Temp 116*. -FCP on 10/64" choke 39 bbl H2O per hour @ 3589 psi. 12 bbl Oil per hour 128 MCF sales gas. 02:00 Well Temp 116*. -FCP on 10/64" choke 25 bbl H2O per hour @ 3599 psi. 17 bbl Oil per hour 132 MCF sales gas. - Wait on Denver to decide to run PLT log or flow back well. RD Cudd injector head and lubricator. Released all vendor for a later date to run PLT log. - 09:00 Well Temp 112*. -FCP on 10/64" choke 49 bbl H2O per hour @ 3580 psi. 13 bbl Oil per hour 93 MCF sales gas. - 08:00 Shift Change. Hold Pre Job Safety meeting w/all personnel on location. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area, PPE FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. - 05:55 Continue FB well. RECON on location w/PLT log. Will start MU logging tools on bottom of 2? CT. 06:00 Well Temp 112*. -FCP on 10/64" choke 35 bbl H2O per hour @ 3590 psi. 19 bbl Oil per hour 140 MCF sales gas. 07:00 Well Temp 113*. -FCP on 10/64" choke 42 bbl H2O per hour @ 3588 psi. 8 bbl Oil per hour 152 MCF sales gas. 08:00 Well Temp 113*. -FCP on 10/64" choke 5 bbl H2O per hour @ 3580 psi. 7 bbl Oil per hour 180 MCF sales gas. - 03:00 Well Temp 113*. -FCP on 10/64" choke 35 bbl H2O per hour @ 3625 psi. 8 bbl Oil per hour. 161 MCF sales gas. 04:00 Well Temp 112*. -FCP on 10/64" choke 23 bbl H2O per hour @ 3613 psi. 2 bbl Oil per hour 147 MCF sales gas. 05:00 Well Temp 112*. - FCP on 10/64" choke 30 bbl H2O per hour @ 3600 psi. 11 bbl Oil per hour 159 MCF sales gas. - 10:00 Well Temp 114*. -FCP on 10/64" choke 10 bbl H2O per hour @ 3568 psi. 12 bbl Oil per hour 116 MCF sales gas. 11:00 Well Temp 115*. -FCP on 10/64" choke 38 bbl H2O per hour @ 3570 psi. 15 bbl Oil per hour 131 MCF sales gas.

Daily Cost: \$0

Cumulative Cost: \$6,327,883

6/27/2013 Day: 65**Completion**

Rigless on 6/27/2013 - Continue flowing well back - 23:00 Well Temp 120*. FCP 3498 psi on 10/64? choke. 17 hrs flowing 190 bbls oil, 461 bbls water, gas- 215mcf - 20:00 Well Temp 123*. FCP 3498 psi on 10/64? choke. 14 hrs flowing 153 bbls oil, 403 bbls water, gas- 193mcf - 00:00 Well Temp 115*. -FCP on 10/64" choke 10 bbl H2O per hour @ 3537 psi. 15 bbl Oil per hour. 192MCF sales gas. 01:00 Well Temp 115*. -FCP on 10/64" choke 42 bbl H2O per hour @ 3543 psi. 10 bbl Oil per hour 146MCF sales gas. 02:00 Well Temp 114*. -FCP on 10/64" choke 43 bbl H2O per hour @ 3541 psi. 9 bbl Oil per hour 223MCF sales gas. - 06:00 Well Temp 112*. -FCP on 10/64" choke 33 bbl H2O per hour @ 3550 psi. 16 bbl Oil per hour. 189MCF sales gas. 09:00 Well Temp 113*. FCP 3531 psi on 10/64? choke. 3 hrs flowing 43 bbls oil, 110 bbls water, gas- 216 mcf 12:00 Well Temp 119*. FCP 3535 psi on 10/64? choke. 6 hrs flowing 68 bbls oil, 205 bbls water, gas- 179 mcf 15:00 Well Temp 113*. FCP 3533 psi on 10/64? choke. 9 hrs flowing 97 bbls oil, 289 bbls water, gas- 147 mcf - 03:00 Well Temp 113*. -FCP on 10/64" choke 22 bbl H2O per hour @ 3541 psi. 7 bbl Oil per hour. 162MCF sales gas. 04:00 Well Temp 113*. -FCP on 10/64" choke 35 bbl H2O per hour @ 3545 psi. 16 bbl Oil per hour 179MCF sales gas. 05:00 Well Temp 111*. -FCP on 10/64" choke 28 bbl H2O per hour @ 3542 psi. 9 bbl Oil per hour 154MCF sales gas. - 17:00 Well Temp 114*. FCP 3528 psi on 10/64? choke. 11 hrs flowing 118 bbls oil, 335 bbls water, gas- 186 mcf

Daily Cost: \$0

Cumulative Cost: \$6,343,699

6/28/2013 Day: 66**Completion**

Rigless on 6/28/2013 - FB Well - 17:00 Well Temp 130*. FCP 3435 psi on 12/64? choke. 11 hrs flowing 162 bbls oil, 335 bbls water, gas- 223mcf. 20:00 Well Temp 124*. FCP 3439 psi on 12/64? choke. 14 hrs flowing 204 bbls oil, 445 bbls water, gas- 178mcf 23:00 Well Temp

120*. FCP 3407 psi on 12/64? choke. 17 hrs flowing 251 bbls oil, 541 bbls water, gas- 242mcf - 02:00 Well Temp 114*. FCP 3477 psi on 10/64? choke. 20 hrs flowing 227 bbls oil, 543 bbls water, gas- 165mcf - 05:00 Well Temp 114*. FCP 3479 psi on 10/64? choke. 23 hrs flowing 260 bbls oil, 628 bbls water, gas- 59mcf - 06:00 Well Temp 115*. FCP 3480 psi on 10/64? choke. 24 hrs flowing 272 bbls oil, 676 bbls water, gas- 206mcf 09:00 Well Temp 113*. FCP 3486 psi on 10/64? choke. 3 hrs flowing 38 bbls oil, 74 bbls water, gas- 183mcf 09:15 Open well to 12/64? choke. 12:00 Well Temp 128*. FCP 3469 psi on 12/64? choke. 6 hrs flowing 92 bbls oil, 189 bbls water, gas- 241mcf 15:00 Well Temp 128*. FCP 3449 psi on 12/64? choke. 9 hrs flowing 130 bbls oil, 285 bbls water, gas- 240mcf

Daily Cost: \$0

Cumulative Cost: \$6,363,247

6/29/2013 Day: 67**Completion**

Rigless on 6/29/2013 - FB Well - 20:00 Well Temp 120*. FCP 3364 psi on 12/64? choke. 14 hrs flowing. 241 bbls oil, 451 bbls water, gas- 236mcf. 23:00 Well Temp 123*. FCP 3383psi on 12/64? choke. 17 hrs flowing. 293 bbls oil, 551 bbls water, gas- 282mcf. - 02:00 Well Temp 118*. FCP 3403 psi on 12/64? choke. 20 hrs flowing 298 bbls oil, 652 bbls water, gas- 226mcf 05:00 Well Temp 118*. FCP 3405 psi on 12/64? choke. 23 hrs flowing 350 bbls oil, 751 bbls water, gas- 251mcf - 06:00 Well Temp 86*. FCP 3404 psi on 12/64? choke. 24 hrs flowing 367 bbls oil, 803 bbls water, gas- 271mcf 09:00 Well Temp 93*. FCP 3385 psi on 12/64? choke. 3 hrs flowing 50 bbls oil, 63 bbls water, gas- 231mcf 12:00 Well Temp 101*. FCP 3388 psi on 12/64? choke. 6 hrs flowing 102 bbls oil, 197 bbls water, gas- 232mcf 15:00 Well Temp 117*. FCP 3363 psi on 12/64? choke. 9 hrs flowing 222 bbls oil, 259 bbls water, gas- 275mcf 17:00 Well Temp 107*. FCP 3357 psi on 12/64? choke. 11 hrs flowing 259 bbls oil, 315 bbls water, gas- 249mcf

Daily Cost: \$0

Cumulative Cost: \$6,389,338

6/30/2013 Day: 68**Completion**

Rigless on 6/30/2013 - FB Well - 21:00 Well Temp 125*. FCP 3322 psi on 12/64? choke. 15 hrs flowing. 275 bbls oil, 432 bbls water, gas- 292mcf. 22:00 Well Temp 122*. FCP 3305 psi on 12/64? choke. 16 hrs flowing. 283 bbls oil, 472 bbls water, gas- 286mcf. 23:00 Well Temp 122*. FCP 3295 psi on 12/64? choke. 17 hrs flowing. 298 bbls oil, 503 bbls water, gas- 290mcf. 00:00 Well Temp 120*. FCP 3398 psi on 12/64? choke. 18 hrs flowing. 318 bbls oil, 537 bbls water, gas- 278mcf. 00:00 18 hrs flowing. 318 bbls oil, 537 bbls water - 02:00 Well Temp 119*. FCP 3352psi on 12/64? choke. 20 hrs flowing. 343 bbls oil, 644 bbls water, gas- 271mcf. 06:00 Well Temp 87*. FCP 3339 psi on 12/64? choke. 24 hrs flowing. 417 bbls oil, 750 bbls water, gas- 262mcf. - 10:00 Well Temp 86*. FCP 3333 psi on 12/64? choke. 4 hrs flowing. 59 bbls oil, 110 bbls water, gas- 271mcf. 13:00 Well Temp 101*. FCP 3327 psi on 12/64? choke. 7 hrs flowing. 116 bbls oil, 203 bbls water, gas- 289mcf. 16:00 Well Temp 104*. FCP 3322 psi on 12/64? choke. 10 hrs flowing. 166 bbls oil, 298 bbls water, gas- 303mcf. 17:00 Well Temp 104*. FCP 3319 psi on 12/64? choke. 11 hrs flowing. 187 bbls oil, 312 bbls water, gas- 292mcf. - 18:00 Well Temp 130*. FCP 3313 psi on 12/64? choke. 12 hrs flowing. 202 bbls oil, 350 bbls water, gas- 292mcf. 19:00 Well Temp 120*. FCP 3313 psi on 12/64? choke. 13 hrs flowing. 220 bbls oil, 377 bbls water, gas- 286mcf. 20:00 Well Temp 123*. FCP 3320 psi on 12/64? choke. 14 hrs flowing. 246 bbls oil, 412 bbls water, gas- 290mcf. 20:00 14 hrs flowing. 246 bbls oil, 412 bbls water

Daily Cost: \$0

Cumulative Cost: \$6,405,322

7/1/2013 Day: 69**Completion**

Rigless on 7/1/2013 - FB Well Coil running a Production log on 4-18-3-3WH well - 19:00 Well Temp 129*. FCP 3226 psi on 14/64? choke. 13 hrs flowing. 282 bbls oil, 469 bbls water, gas- 408mcf. Plan is to continue FB well and wait on completion on the 4-18 to run PLT. - 08:25 Current Op?s Open well to 14/64? choke to Production tanks as per Eric Romberg email @ 08:05 a.m.. 09:00 Well Temp 96*. FCP 3281 psi on 14/64? choke. 3 hrs flowing. 49 bbls oil, 83 bbls water, gas- 302mcf. 13:00 Well Temp 98*. FCP 3231 psi on 14/64? choke. 7 hrs flowing. 151 bbls oil, 243 bbls water, gas- 372mcf. 17:00 Well Temp 103*. FCP 3230 psi on 14/64? choke. 11 hrs flowing. 261 bbls oil, 403 bbls water, gas- 399mcf. - 08:00 Correction on the 4A-18-3-3WH as per Eric Romberg will be running PLT w/CT on 4-18-3-3WH first and flowing back 4A-18 while logging 4-18 - 22:00 Well Temp 129*. FCP 3213 psi on 14/64? choke. 16 hrs flowing. 352 bbls oil, 594 bbls water, gas- 439 mcf. Plan is to continue FB well and wait on completion on the 4-18 to run PLT. - 06:00 Well Temp 88*. FCP 3281 psi on 12/64? choke. 24 hrs flowing. 418 bbls oil, 710 bbls water, gas- 317mcf. 06:00 24 hrs flowing. 418 bbls oil, 710 bbls water - 01:00 Well Temp 119*. FCP 3287 psi on 12/64? choke. 19 hrs flowing. 336 bbls oil, 547 bbls water, gas- 153mcf. 02:00 Well Temp 118*. FCP 3285 psi on 12/64? choke. 20 hrs flowing. 344 bbls oil, 573 bbls water, gas- 285mcf. 03:00 Well Temp 117*. FCP 3285 psi on 12/64? choke. 21 hrs flowing. 361 bbls oil, 599 bbls water, gas- 286mcf. 03:00 21 hrs flowing. 361 bbls oil, 599 bbls water - 00:00 Well Temp 130*. FCP 3205 psi on 14/64? choke. 18 hrs flowing. 404 bbls oil, 673 bbls water, gas- 385 mcf. Plan is to continue FB well and wait on completion on the 4-18 to run PLT. - Continue to FB well 08:00 Well Temp 100*. FCP 3281 psi on 12/64? choke. 2 hrs flowing. 36 bbls oil, 57 bbls water, gas- 257mcf.

Daily Cost: \$0

Cumulative Cost: \$6,422,208

7/2/2013 Day: 70**Completion**

Rigless on 7/2/2013 - Flow back well to Production- RU Coil and RIH and do a Production log - 22:00 Break down RECON PLT logging tools. And Weatherford Motor and X Over 23:00 Collect Data from Jim on location PLT is good start to RD Cudd Equipment 00:00 Close in well with 10k HCR Valve 3150 psi on well - RDMO Cudd Blow Reel down with N2 RD Injector and Coil BOP Stack CT and J&C crane. Well Temp 131*. FCP 3145 psi on 14/64? choke. 12 hrs flowing. 369 bbls oil, 598 bbls water, 399 mcf. - 21:30 Out Of Hole with Coil and Recon BHA Closed Cudd 4-1/16? 15K manual gate valve. Bleed pressure off lubricator. Break down BHA 22:00 Continue flowing well back while RECON check data Estimated 2-3 hrs to check Data on PLT log. Well Temp 128*. FCP 3064 psi on 14/64? choke. 10 hrs flowing. 335 bbls oil, 533 bbls water, 308 mcf. - 17:55 RIH w/third passes from 9,500? down to 13,785? @ 90 ft/min 18:46 Stop for 3 min @ 13,785?. 18:49 P/U hole w/third pass at 90 ft/min and stop for 2 min between each pass at 13,610?, 13,390?, 13,125?, 12,855?, 12,615?, 12,350?, 12,120?, 11,885?, 11,615?, 11,445?, 11,365?, 11,265?, 10,940?, 10,440?, 10,255?, 9950? & at 9,500? 20:12 stop for 3 min @ 9,500?. 20:15 TOOH w/BHA from 9,500 up to surface @ 120 ft/min. Well Temp 125*. FCP 3095 psi on 14/64? choke. 8 hrs flowing. 277 bbls oil, 445 bbls water, gas ? 287 mcf- - 17:00 Well Temp 103*. FCP 3209 psi on 14/64? choke. 8 hrs 55 min flowing. 215 bbls oil, 323 bbls water, gas ? 494 mcf. 17:53 stop for 2 min @ 9,500?. 17:55 RIH w/third passes from 9,500? down to 13,785? @ 90 ft/min - 15:53 stop for 2 min @ 9,500?. 15:55 RIH w/second passes from 9,500? down to 13,785? @ 75 ft/min while flowing well back. Well Temp 101*. FCP 3196 psi on 14/64? choke. 6 hrs 55 min flowing. 74 bbls oil, 105 bbls water, gas- 241mcf. 16:00 16:00 Well Temp 102*. FCP 3207 psi on 14/64? choke. 7 hrs 55 min flowing. 181 bbls oil, 306 bbls water, gas- 392mcf. 16:53 stop for 2 min @ 13,785?. 16:55 TOOH w/second pass from 13,785? up to 9,500? @ 75 ft/min. - 13:25 Stop for 2 min @ 9,500?. 13:27 Continue RIH w/BHA w/first pass from 9,500? down to 13,785? @ 60 ft/min. Well Temp 98*. FCP 3252 psi on 14/64? choke. 5 hrs 15 min flowing. 137 bbls oil, 205 bbls water, gas- 299 mcf. 14:42 stop for 2 min @ 13,785?. 14:44 TOOH w/BHA w/first passes from 13,785 up to 9,500? @ 60 ft/min. - 04:00 Well Temp 126*. FCP 3186 psi on 14/64?

choke. 22 hrs flowing. 499 bbls oil, 828 bbls water, gas- 391 mcf. Plan is to continue FB well and wait on completion on the 4-18 to run PLT. - 09:30 Shell testing Cudd CT stack and Rock water flowback lines to 250 psi for low, for 5 min. Test good. BO pressure. Test same to 7,000 psi. (found 2 leak on flowback lines. Change out 2" brass seal). Continue to shell test Cudd CT stack and RockWater flowback lines to 8,000 psi for high, for 10 min. Test good. BO pressure to 3,800 psi. 10:15 Open well SICP 3,600 psi. Open well to 14/64? choke to Production equipment. FCP 3,400 psi. 10:28 Started RIH w/BHA on bottom of 2" coil. - 07:53 SWI with HCR valve w/3200 psi. 07:55 MIRUND 7-1/16? 10K night cap. 08:15 NU Cudd 2? coil tubing BOP stack consisting of: 7-1/16? 10K x 4-1/16? 15K spool, 4-1/16? 15K Blind shear rams, 4-1/16? 15K manual gate valve (rental), 4-1/16? 15K pipe rams, flow cross w/2 inside manual gate valves, 2 outside HCR valves, Quad BOP stack consisting of (fr/bottom to top): pipe rams, slips, shear & Blind, 4-1/16? 15K lubricator 30? long and Injector head on top of 7-1/16? 10K BOP stack. 08:55 Weatherford torqueing all bolts on 7-1/16? 10K flange. 09:10 MIRU Weatherford test hose onto double BOP kill valve outlet. Open valves. - 07:00 MU Weatherford BHA consisting of: Weatherford 2? coil connector & MHA: 2.875" OD w/.875" Disconnect ball: 2.875" OD x 0.683" ID x 3.55' long, X/O sub 2.900" OD x 1.550" OD X 1.250" ID x 0.95' long, X/O sub; 1.630" OD x 1.000" ID x 0.34' long. Total tool length 4.94' & RECON BHA consisting of: Memory Battery Housing (5CC): 1.69" OD x 2.33' long weight 11.60 (lbs), Uitrawire Memory tool: 1.69" OD x 2.13' long weight 10.60 (lb.), Production Gamma Ray: 1.69" OD x 1.94' long weight 9.50 (lb.), Quartz Pressure/Collar Locator; 1.69" OD x 1.58' long weight 9.00 (lb.), Production Roller Centralizer (3 Arm): 1.69" OD x 1.93' long weight 7.00 (lb.), Resistivity Array Tool: 1.69" OD x 4.28' long weight 18.00 (lb.), Fluid Density Radioactive: 1.69" OD x 1.92' long weight 10.00 (lb.), Production Roller Centralizer (3Arm): 1.69" OD x 1.93' long weight 7.00 (lb.), Spinner Array Tool: 1.69" OD x 3.79' long weight 14.30 (lb.), Gas Holdup Tool: 1.69" OD x 1.96' long weight 8.00 (lb.), Production Roller Centralizer (3 Arm): 1.69" OD x 1.93' long weight 7.00 (lb.), Capacitance Temperature Flow: 1.69" OD x 1.54' long weight 5.40 (lb.) & Continuous Flow meter Jeweled Mechanicals: 1.69" OD x 0.75' long weight 1.00 (lb.). Total tool length 28.02' long and total tool weight 118.90 (lb.). PU tool string through CT lubricator. RU CT lubricator and Injector head on top of BOP stack. - 06:45 Hold Pre Job Safety meeting w/all personnel on location. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area, PPE FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor. - 06:00 Well Temp 122*. FCP 3180 psi on 14/64? choke. 24 hrs flowing. 543 bbls oil, 900 bbls water, gas- 388 mcf. Wait on RECON to get result back from TX - 12:10 Currently at 5800? ?CTM?. Continue RIH to 9500? at 50 ft/min while FB well to Production equipment. Well Temp 93*. FCP 3187 psi on 14/64? choke. 3.55 hrs flowing. 125 bbls oil, 125 bbls water, gas- 289 mcf. NOTE: Well shut in for 2 hrs 45 min to RU CT. 13:15 @ 9,000' P/U weight at 25,000 (LB). Continue RIH to 9,500' at 50 ft/min.

Daily Cost: \$0

Cumulative Cost: \$6,490,109

7/3/2013 Day: 71

Completion

Rigless on 7/3/2013 - RD Coil and install Night cap flow well back to production tanks - Rockwater Flow Back and Energy Operators Flow back Flow Well Back to production tanks 06:00 am ? Midnight Well Temp 127*. FCP 2982 psi on 14/64? choke. 18 hrs flowing. 410 bbls oil, 740 bbls water, gas- 377 mcf. - Shut in at Midnight RD Coil and Install 10K Night Cap Pressure test Cap 03:00 MIRU Weatherford and NU 7-1/16? 10K night cap and torque all bolts. 04:00 MIRU Weatherford test unit and pressure test night cap against 7-1/16? 10K HCR valve - 04:00 MIRU Weatherford test unit and pressure test night cap against 7-1/16? 10K HCR valve to 250 psi for low, for 5 min. Test good. BO pressure. Test same to 8,000 psi for high, for 10 min. Test good. 05:00 Open Well FCP 3278 psi Open on 14/64? choke. Flow back to production Tanks 06:00 Well Temp 113*. FCP 3062 psi on 14/64? choke. 13 hrs flowing. 407 bbls oil, 636 bbls water, 350 mcf. - Recon , Cudd Coil ,Weatherford Test unit , J&C Crane

all rigged down and off location ? Vendors still on Location

Daily Cost: \$0

Cumulative Cost: \$6,544,631

7/4/2013 Day: 72**Completion**

Rigless on 7/4/2013 - Flow well - 00:00am Well Temp 130*. FCP 2892 psi on 14/64? choke. 24 hrs flowing. 501 bbls oil, 863 bbls water, 391 mcf.

Daily Cost: \$0

Cumulative Cost: \$6,319,118

7/5/2013 Day: 73**Completion**

Rigless on 7/5/2013 - Flow well - 1800pm-Well Temp 142*. FCP 2777 psi on 16/64? choke. 1 hrs flowing. 17 bbls oil, 34 bbls water, 484 mcf. 1900pm-Well Temp 139*. FCP 2771 psi on 16/64? choke. 1 hrs flowing. 29 bbls oil, 47 bbls water, 489 mcf. 2000pm-Well Temp 137*. FCP 2763 psi on 16/64? choke. 1 hrs flowing. 20 bbls oil, 45 bbls water, 486 mcf. 2100pm-Well Temp 132*. FCP 2753 psi on 16/64? choke. 1 hrs flowing. 38 bbls oil, 37 bbls water, 478 mcf. 2200pm-Well Temp 132*. FCP 2748 psi on 16/64? choke. 1 hrs flowing. 17 bbls oil, 45 bbls water, 485 mcf. 2300pm-Well Temp 129*. FCP 2742 psi on 16/64? choke. 1 hrs flowing. 44 bbls oil, 25 bbls water, 478 mcf. 2400pm-Well Temp 127*. FCP 2739 psi on 16/64? choke. 1 hrs flowing. 21 bbls oil, 72 bbls water, 479 mcf. 18 HR total oil-467 bbls. 18hr total water-754bbls. - 0000am- Well Temp 132*. FCP 2892 psi on 14/64? choke. 1 hrs flowing. 14 bbls oil, 32 bbls water, 400 mcf. 0100am- Well Temp 131*. FCP 2888 psi on 14/64? choke. 1 hrs flowing. 27 bbls oil, 41 bbls water, 383 mcf. 0200am- Well Temp 133*. FCP 2886 psi on 14/64? choke. 1 hrs flowing. 20 bbls oil, 42 bbls water, 399 mcf. 0300am- Well Temp 130*. FCP 2883 psi on 14/64? choke. 1 hrs flowing. 18 bbls oil, 37 bbls water, 391 mcf. 0400am-Well Temp 130*. FCP 2880 psi on 14/64? choke. 1 hrs flowing. 26 bbls oil, 53 bbls water, 391 mcf. 0500am- Well Temp 130*. FCP 2870 psi on 14/64? choke. 1 hrs flowing. 25 bbls oil, 22 bbls water, 397 mcf. - 0600am-Well Temp 128*. FCP 2874 psi on 14/64? choke. 1 hrs flowing. 13 bbls oil, 40 bbls water, 298 mcf. 0700am-Well Temp 125*. FCP 2873 psi on 14/64? choke. 1 hrs flowing. 21 bbls oil, 41 bbls water, 401 mcf. 0800am-Well Temp 125*. FCP 2869 psi on 14/64? choke. 1 hrs flowing. 25 bbls oil, 37 bbls water, 402 mcf. 0900am-Well Temp 127*. FCP 2866 psi on 14/64? choke. 1 hrs flowing. 18 bbls oil, 33 bbls water, 409 mcf. 1000am-Well Temp 133*. FCP 2861 psi on 14/64? choke. 1 hrs flowing. 24 bbls oil, 55 bbls water, 404 mcf. 1100am-Well Temp 117*. FCP 2851 psi on 14/64? choke. 1 hrs flowing. 28 bbls oil, 34 bbls water, 404 mcf. 6 hr dailey total oil-171.26. 6 hr dailey total water-241 - 1200pm-Well Temp 117*. FCP 2855 psi on 14/64? choke. 1 hrs flowing. 18 bbls oil, 35 bbls water, 404 mcf. 1300pm-Well Temp 128*. FCP 2834 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 38 bbls water, 490 mcf. 1400pm-Well Temp 138*. FCP 2819 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 45 bbls water, 489 mcf. 1500pm-Well Temp 139*. FCP 2805 psi on 16/64? choke. 1 hrs flowing. 34 bbls oil, 52 bbls water, 488 mcf. 1600pm-Well Temp 139*. FCP 2789 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 38 bbls water, 479 mcf. 1700pm-Well Temp 139*. FCP 2783 psi on 16/64? choke. 1 hrs flowing. 34 bbls oil, 40 bbls water, 498 mcf. 12hr total for oil-298.42.BBls 12hr total for oil-472bbls

Daily Cost: \$0

Cumulative Cost: \$6,330,102

7/6/2013 Day: 74**Completion**

Rigless on 7/6/2013 - Flow well - 2300pm -Well Temp 133*. FCP 2639 psi on 16/64? choke. 1 hrs flowing. 33 bbls oil, 39 bbls water, 498 mcf. 0000pm -Well Temp 133*. FCP 2635 psi on 16/64? choke. 1 hrs flowing. 26 bbls oil, 23 bbls water, 496 mcf. 18 hr total for oil-494.84

bbbs. 18 hr total for water-765bbbs. - 1600pm-Well Temp 137*. FCP 2667 psi on 16/64? choke. 1 hrs flowing. 27 bbbs oil, 31 bbbs water, 504 mcf. 1700pm-Well Temp 137*. FCP 2663 psi on 16/64? choke. 1 hrs flowing. 40 bbbs oil, 37 bbbs water, 491 mcf. 11 hr total for oil-311.84 bbbs. 11 hr total for water- 482 bbbs 1800pm -Well Temp 141*. FCP 2659 psi on 16/64? choke. 1 hrs flowing. 27 bbbs oil, 58 bbbs water, 493 mcf. 1900pm -Well Temp 139*. FCP 2656 psi on 16/64? choke. 1 hrs flowing. 18 bbbs oil, 25 bbbs water, 502 mcf. 2000pm -Well Temp 136*. FCP 2651 psi on 16/64? choke. 1 hrs flowing. 27 bbbs oil, 42 bbbs water, 498 mcf. 2100pm -Well Temp 136*. FCP 2648 psi on 16/64? choke. 1 hrs flowing. 27 bbbs oil, 56 bbbs water, 499 mcf. 2200pm -Well Temp 133*. FCP 2643 psi on 16/64? choke. 1 hrs flowing. 25 bbbs oil, 40 bbbs water, 493 mcf. 16 hr total for oil-436 bbbs. 16 hr total for water-703bbbs. - 0001am-Well Temp 127*. FCP 2739 psi on 16/64? choke. 1 hrs flowing. 21 bbbs oil, 72 bbbs water, 479 mcf. 0100am-Well Temp 134*. FCP 2734 psi on 16/64? choke. 1 hrs flowing. 22 bbbs oil, 51 bbbs water, 487 mcf. 0200am-Well Temp 123*. FCP 2731 psi on 16/64? choke. 1 hrs flowing. 23 bbbs oil, 35 bbbs water, 479 mcf. 0300am-Well Temp 124*. FCP 2727 psi on 16/64? choke. 1 hrs flowing. 22 bbbs oil, 47 bbbs water, 479 mcf. 0400am-Well Temp 125*. FCP 2722 psi on 16/64? choke. 1 hrs flowing. 24 bbbs oil, 30 bbbs water, 479 mcf. 0500am-Well Temp 122*. FCP 2717 psi on 16/64? choke. 1 hrs flowing. 32 bbbs oil, 12 bbbs water, 479 mcf. 0600am-Well Temp 123*. FCP 2712 psi on 16/64? choke. 1 hrs flowing. 22 bbbs oil, 46 bbbs water, 479 mcf. 6 hr total for oil-144 bbbs. 6hr total for water-293bbbs - 0700am-Well Temp 131*. FCP 2708 psi on 16/64? choke. 1 hrs flowing. 31.84 bbbs oil, 59 bbbs water, 497 mcf. 0800am-Well Temp 131*. FCP 2704 psi on 16/64? choke. 1 hrs flowing. 24 bbbs oil, 55 bbbs water, 415 mcf. 0900am-Well Temp 130*. FCP 2699 psi on 16/64? choke. 1 hrs flowing. 27 bbbs oil, 36 bbbs water, 445 mcf 1000am-Well Temp 130*. FCP 2694 psi on 16/64? choke. 1 hrs flowing. 28 bbbs oil, 56 bbbs water, 511 mcf. 1100am-Well Temp 134*. FCP 2689 psi on 16/64? choke. 1 hrs flowing. 29 bbbs oil, 42 bbbs water, 503 mcf. 5 hr total for oil-139.84 bbbs. 5 hr total for water-248bbbs - 1200am-Well Temp 130*. FCP 2684 psi on 16/64? choke. 1 hrs flowing. 37 bbbs oil, 40 bbbs water, 501 mcf. 1300pm-Well Temp 138*. FCP 2680 psi on 16/64? choke. 1 hrs flowing. 21 bbbs oil, 43 bbbs water, 502 mcf. 7 hr total for oil-197.84 bbbs. 7 hr total for water- 331 bbbs 1400pm-Well Temp 139*. FCP 2675 psi on 16/64? choke. 1 hrs flowing. 22 bbbs oil, 39 bbbs water, 461 mcf. 1500pm-Well Temp 139*. FCP 2672 psi on 16/64? choke. 1 hrs flowing. 25 bbbs oil, 44 bbbs water, 503 mcf. 9 hr total for oil-244.84 bbbs. 9 hr total for water- 414 bbbs

Daily Cost: \$0

Cumulative Cost: \$6,341,086

7/7/2013 Day: 75**Completion**

Rigless on 7/7/2013 - FB Well - 2200pm -Well Temp 132*. FCP 2544 psi on 16/64? choke. 1 hrs flowing. 24 bbbs oil, 62 bbbs water, 390 mcf 2300pm -Well Temp 133*. FCP 2539 psi on 16/64? choke. 1 hrs flowing. 32 bbbs oil, 61 bbbs water, 491 mcf 0000pm -Well Temp 131*. FCP 2536 psi on 16/64? choke. 1 hrs flowing. 17 bbbs oil, 34 bbbs water, 485 mcf 18 hr total for oil-480.44 bbbs. 18 hr total for water-792 bbbs - 1700pm -Well Temp 127*. FCP 2565 psi on 16/64? choke. 1 hrs flowing. 24 bbbs oil, 35 bbbs water, 478 mcf 1800pm -Well Temp 128*. FCP 2560 psi on 16/64? choke. 1 hrs flowing. 37 bbbs oil, 40 bbbs water, 497 mcf 1900pm -Well Temp 135*. FCP 2556 psi on 16/64? choke. 1 hrs flowing. 25 bbbs oil, 93 bbbs water, 485 mcf 2000pm -Well Temp 135*. FCP 2552 psi on 16/64? choke. 1 hrs flowing. 20 bbbs oil, 7 bbbs water, 491 mcf 2100pm -Well Temp 130*. FCP 2547 psi on 16/64? choke. 1 hrs flowing. 33 bbbs oil, 53 bbbs water, 491 mcf 15 hr total for oil-407.44bbbs. 15hr total for water-635 bbbs - 0100am -Well Temp 134*. FCP 2632 psi on 16/64? choke. 1 hrs flowing. 26 bbbs oil, 65 bbbs water, 495 mcf. 0200am -Well Temp 127*. FCP 2627 psi on 16/64? choke. 1 hrs flowing. 17.84 bbbs oil, 40 bbbs water, 486 mcf 0300am -Well Temp 135*. FCP 2625 psi on 16/64? choke. 1 hrs flowing. 37 bbbs oil, 38 bbbs water, 499 mcf 0400am -Well Temp 135*. FCP 2622 psi on 16/64? choke. 1 hrs flowing. 27 bbbs oil, 57 bbbs water, 493 mcf. 0500am -Well Temp 135*. FCP 2618 psi on 16/64? choke. 1 hrs flowing. 33 bbbs oil, 55 bbbs water, 511 mcf 0600am -Well Temp 135*. FCP 2612 psi on 16/64? choke. 1 hrs flowing. 18 bbbs oil, 36 bbbs

water, 501 mcf. 24 hr total for oil-653.68 bbls. 24 hr total for water-1056bbls. - 1100am -Well Temp 133*. FCP 2596 psi on 16/64? choke. 1 hrs flowing. 21.58 bbls oil, 13 bbls water, 500 mcf. 1200am -Well Temp 136*. FCP 2587 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 26 bbls water, 491 mcf. 1300pm -Well Temp 136*. FCP 2583 psi on 16/64? choke. 1 hrs flowing. 22 bbls oil, 40 bbls water, 474 mcf 7 hr total for oil-189.58 bbls. 7 hr total for water-272 bbls. - 0700am -Well Temp 135*. FCP 2609 psi on 16/64? choke. 1 hrs flowing. 31 bbls oil, 39 bbls water, 499 mcf. 0800am -Well Temp 132*. FCP 2605 psi on 16/64? choke. 1 hrs flowing. 35 bbls oil, 40 bbls water, 495 mcf. 0900am -Well Temp 134*. FCP 2601 psi on 16/64? choke. 1 hrs flowing. 17 bbls oil, 49 bbls water, 495 mcf 1000am -Well Temp 133*. FCP 2596 psi on 16/64? choke. 1 hrs flowing. 38 bbls oil, 65 bbls water, 500 mcf 4 hr total for oil-121 bbls. 4 hr total for water-193 bbls. - 1400pm -Well Temp 136*. FCP 2579 psi on 16/64? choke. 1 hrs flowing. 33 bbls oil, 40 bbls water, 500 mcf. 1500pm -Well Temp 134*. FCP 2575 psi on 16/64? choke. 1 hrs flowing. 25.16 bbls oil, 33 bbls water, 495 mcf. 1600pm -Well Temp 126*. FCP 2571 psi on 16/64? choke. 1 hrs flowing. 21 bbls oil, 62 bbls water, 476 mcf 10 hr total for oil-268.74 bbls. 10 hr total for water-407 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,352,430

7/8/2013 Day: 76**Completion**

Rigless on 7/8/2013 - FB Well - 2000pm-Well Temp 134*. FCP 2456 psi on 16/64? choke. 1 hrs flowing. 43 bbls oil, 34 bbls water, 481 mcf 2100pm-Well Temp 138*. FCP 2453 psi on 16/64? choke. 1 hrs flowing. 29 bbls oil, 36 bbls water, 467 mcf 2200pm-Well Temp 134*. FCP 2451 psi on 16/64? choke. 1 hrs flowing. 16 bbls oil, 42 bbls water, 467 mcf 2300pm-Well Temp 133*. FCP 2445 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 45 bbls water, 472 mcf 2400pm-Well Temp 134*. FCP 2443 psi on 16/64? choke. 1 hrs flowing. 23 bbls oil, 20 bbls water, 455 mcf 18hr total for oil-493bbls. 18 hr total for water-619 bbls. - 1600pm-Well Temp 137*. FCP 2472 psi on 16/64? choke. 1 hrs flowing. 23 bbls oil, 31 bbls water, 480 mcf 1700pm-Well Temp 137*. FCP 2467 psi on 16/64? choke. 1 hrs flowing. 34 bbls oil, 27 bbls water, 482 mcf 1800pm-Well Temp 137*. FCP 2464 psi on 16/64? choke. 1 hrs flowing. 31 bbls oil, 29 bbls water, 480 mcf 1900pm-Well Temp 136*. FCP 2460 psi on 16/64? choke. 1 hrs flowing. 24 bbls oil, 36 bbls water, 473 mcf 13hr total for oil-331 bbls. 13 hr total for water-442 - 0100am -Well Temp 133*. FCP 2532 psi on 16/64? choke. 1 hrs flowing. 27.26 bbls oil, 51 bbls water, 480 mcf 0200am -Well Temp 128*. FCP 2529 psi on 16/64? choke. 1 hrs flowing. 32 bbls oil, 20 bbls water, 491 mcf 0300am -Well Temp 129*. FCP 2525 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 89 bbls water, 484 mcf 0400am -Well Temp 132*. FCP 2519 psi on 16/64? choke. 1 hrs flowing. 35 bbls oil, 28 bbls water, 496 mcf 0500am -Well Temp 131*. FCP 2516 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 28 bbls water, 492 mcf 23 hr total for oil-548.70 bbls. 23 hr total for water-851 bbls - 1000am -Well Temp 133*. FCP 2495 psi on 16/64? choke. 1 hrs flowing. 30 bbls oil, 34 bbls water, 489 mcf 1100am -Well Temp 135*. FCP 2490 psi on 16/64? choke. 1 hrs flowing. 23 bbls oil, 38 bbls water, 493 mcf 1200am -Well Temp 134*. FCP 2486 psi on 16/64? choke. 1 hrs flowing. 25.42 bbls oil, 33 bbls water, 496 mcf 6 hr total for oil-148 bbls. 6 hr total for water-210 bbls - 0600am -Well Temp 130*. FCP 2511 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 30 bbls water, 482 mcf 24 hr total for oil-650 bbls. 24 hr total for water-1038 bbls. FMC on location. JW Wireline onlocation. 0700am -Well Temp 125*. FCP 2508 psi on 16/64? choke. 1 hrs flowing. 13.58 bbls oil, 30 bbls water, 484 mcf 0800am -Well Temp 127*. FCP 2504 psi on 16/64? choke. 1 hrs flowing. 29 bbls oil, 44 bbls water, 482 mcf 0900am -Well Temp 127*. FCP 2499 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 31 bbls water, 492 mcf 3 hr total for oil-69.58 bbls. 3 hr total for water-105 bbls - 1300pm -Well Temp 137*. FCP 2481 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 39 bbls water, 494 mcf 1400pm -Well Temp 133*. FCP 2479 psi on 16/64? choke. 1 hrs flowing. 22 bbls oil, 41 bbls water, 498 mcf 1500pm -Well Temp 135*. FCP 2475 psi on 16/64? choke. 1 hrs flowing. 22 bbls oil, 29 bbls water, 454 mcf 9 hr total for oil-219 bbls. 9 hr total for water-319 bbls

Daily Cost: \$0

Cumulative Cost: \$6,392,181**7/9/2013 Day: 77****Completion**

Rigless on 7/9/2013 - FB Well - 2200pm-Well Temp 135*. FCP 2368 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 38 bbls water, 478 mcf 2300pm-Well Temp 133*. FCP 2366 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 38 bbls water, 373 mcf 0000pm-Well Temp 133*. FCP 2361 psi on 16/64? choke. 1 hrs flowing. 26.26 bbls oil, 36 bbls water, 477 mcf 18 hr total for oil-458.42 bbls. 18 hr total for water-661 bbls. - 1600pm-Well Temp 136*. FCP 2387 psi on 16/64? choke. 1 hrs flowing. 14 bbls oil, 37 bbls water, 460 mcf 1700pm-Well Temp 138*. FCP 2381 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 20 bbls water, 492 mcf 1800pm-Well Temp 137*. FCP 2378 psi on 16/64? choke. 1 hrs flowing. 26 bbls oil, 43 bbls water, 481 mcf 1900pm-Well Temp 138*. FCP 2375 psi on 16/64? choke. 1 hrs flowing. 24 bbls oil, 35 bbls water, 478 mcf 2000pm-Well Temp 136*. FCP 2370 psi on 16/64? choke. 1 hrs flowing. 22 bbls oil, 44 bbls water, 488 mcf 2100pm-Well Temp 138*. FCP 2372 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 50 bbls water, 478 mcf - 2400pm-Well Temp 134*. FCP 2443 psi on 16/64? choke. 1 hrs flowing. 23 bbls oil, 20 bbls water, 455 mcf 0100am-Well Temp 136*. FCP 2439 psi on 16/64? choke. 1 hrs flowing. 24 bbls oil, 47 bbls water, 472 mcf 0200am-Well Temp 137*. FCP 2435 psi on 16/64? choke. 1 hrs flowing. 31 bbls oil, 15 bbls water, 471 mcf 0300am-Well Temp 136*. FCP 2432 psi on 16/64? choke. 1 hrs flowing. 30 bbls oil, 46 bbls water, 443 mcf 0400am-Well Temp 125*. FCP 2429 psi on 16/64? choke. 1 hrs flowing. 26 bbls oil, 37 bbls water, 477 mcf 22hr total for oil-604 bbls. 22hr total for water-764 bbls. - 0700am-Well Temp 128*. FCP 2417 psi on 16/64? choke. 1 hrs flowing. 25.42 bbls oil, 36 bbls water, 473 mcf 0800am-Well Temp 130*. FCP 2414 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 37 bbls water, 469 mcf 0900am-Well Temp 133*. FCP 2411 psi on 16/64? choke. 1 hrs flowing. 25.74 bbls oil, 45 bbls water, 439 mcf 3hr total for oil-76.16 bbls. 3hr total for water-118 bbls. 11:30 4-C on location and loaded 1 set of Hammers pipe rack on trailer. Delivered pipe rack to 1-18. Released 1 7-1/16" 10K Annular BOP/Hydrill. 4-C P/U Weatherford 7-1/16 10K Annular BOP/Hydrill and return back to Weatherford yard. - 0500am-Well Temp 125*. FCP 2425 psi on 16/64? choke. 1 hrs flowing. 18 bbls oil, 26 bbls water, 460 mcf 0600am-Well Temp 125*. FCP 2421 psi on 16/64? choke. 1 hrs flowing. 29 bbls oil, 29 bbls water, 474 mcf 24 hr total for oil-627 bbls. 24 hr total for water-819 bbls. - 1000am-Well Temp 135*. FCP 2406 psi on 16/64? choke. 1 hrs flowing. 21 bbls oil, 22 bbls water, 469 mcf 1100am-Well Temp 130*. FCP 2401 psi on 16/64? choke. 1 hrs flowing. 38 bbls oil, 50 bbls water, 433 mcf 1200am-Well Temp 137*. FCP 2398 psi on 16/64? choke. 1 hrs flowing. 22 bbls oil, 33 bbls water, 452 mcf 6hr total for oil-157.16 bbls. 6hr total for water-223 bbls. 1300pm-Well Temp 137*. FCP 2339 psi on 16/64? choke. 1 hrs flowing. 24 bbls oil, 24 bbls water, 444 mcf 1400pm-Well Temp 140*. FCP 2389 psi on 16/64? choke. 1 hrs flowing. 33 bbls oil, 38 bbls water, 465 mcf 1500pm-Well Temp 140*. FCP 2384 psi on 16/64? choke. 1 hrs flowing. 28 bbls oil, 35 bbls water, 440 mcf 9 hr total for oil-242.16 bbls. 9 hr total for water-320 bbls.

Daily Cost: \$0**Cumulative Cost:** \$6,411,895**7/10/2013 Day: 78****Completion**

Rigless on 7/10/2013 - FB Well - 1000am-Well Temp 130*. FCP 2325 psi on 16/64? choke. 1 hrs flowing. 24.84 bbls oil, 30 bbls water, 461 mcf 1100am-Well Temp 131*. FCP 2320 psi on 16/64? choke. 1 hrs flowing. 16 bbls oil, 34 bbls water, 482 mcf 1200am-Well Temp 133*. FCP 2316 psi on 16/64? choke. 1 hrs flowing. 26.16 bbls oil, 36 bbls water, 486 mcf 6 hr total for oil-142 bbls. 6 hr total for water-206 bbls. - 0700am-Well Temp 123*. FCP 2336 psi on 16/64? choke. 1 hrs flowing. 20 bbls oil, 25 bbls water, 472 mcf 0800am-Well Temp 126*. FCP 2333 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 45 bbls water, 470 mcf 0900am-Well Temp 128*. FCP 2345 psi on 16/64? choke. 1 hrs flowing. 28 bbls oil, 36 bbls water, 477 mcf

3 hr total for oil-75 bbls. 3 hr total for water-106 bbls. - 0100am-Well Temp 133*. FCP 2360 psi on 16/64? choke. 1 hrs flowing. 27 bbls oil, 21 bbls water, 473 mcf 0200am-Well Temp 125*. FCP 2357 psi on 16/64? choke. 1 hrs flowing. 22 bbls oil, 30 bbls water, 476 mcf 0300am-Well Temp 127*. FCP 2353 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 40 bbls water, 471 mcf 0400am-Well Temp 130*. FCP 2350 psi on 16/64? choke. 1 hrs flowing. 30 bbls oil, 37 bbls water, 467 mcf 0500am-Well Temp 125*. FCP 2342 psi on 16/64? choke. 1 hrs flowing. 23 bbls oil, 37 bbls water, 431 mcf 0600am-Well Temp 123*. FCP 2340 psi on 16/64? choke. 1 hrs flowing. 33.74 bbls oil, 36 bbls water, 470 mcf 24 hr total for oil-619.16 bbls. 24 hr total for water-862 bbls. - 1300pm-Well Temp 134*. FCP 2313 psi on 16/64? choke. 1 hrs flowing. 38 bbls oil, 40 bbls water, 481 mcf 1400pm-Well Temp 136*. FCP 2309 psi on 16/64? choke. 1 hrs flowing. 35 bbls oil, 29 bbls water, 492 mcf 1500pm-Well Temp 138*. FCP 2307 psi on 16/64? choke. 1 hrs flowing. 18 bbls oil, 35 bbls water, 445 mcf 9 hr total for oil-232.84 bbls. 9 hr total for water-310 bbls. - 1900pm-Well Temp 140*. FCP 2231 psi on 18/64? choke. 1 hrs flowing. 35 bbls oil, 41 bbls water, 637 mcf 2000pm-Well Temp 143*. FCP 2201 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 46 bbls water, 638 mcf 2100pm-Well Temp 143*. FCP 2164 psi on 18/64? choke. 1 hrs flowing. 30 bbls oil, 54 bbls water, 676 mcf 15 hr total for oil-398.84 bbls. 15 hr total for water-544 bbls. - 1600pm-Well Temp 138*. FCP 2304 psi on 16/64? choke. 1 hrs flowing. 20 bbls oil, 21 bbls water, 451 mcf 1700pm-Well Temp 139*. FCP 2300 psi on 16/64? choke. 1 hrs flowing. 25 bbls oil, 37 bbls water, 476 mcf 1800pm-Well Temp 137*. FCP 2297 psi on 16/64? choke. 1 hrs flowing. 19 bbls oil, 35 bbls water, 390 mcf 12 hr total for oil-296.84 bbls. 12 hr total for water-403 bbls. - 2200pm-Well Temp 142*. FCP 2138 psi on 18/64? choke. 1 hrs flowing. 34.42 bbls oil, 48 bbls water, 612 mcf 2300pm-Well Temp 141*. FCP 2123 psi on 18/64? choke. 1 hrs flowing. 45 bbls oil, 52 bbls water, 631 mcf 0000pm-Well Temp 141*. FCP 2113 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 50 bbls water, 623 mcf 18 hr total for oil-515.26 bbls. 18 hr total for water-694 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,519,988

7/11/2013 Day: 79**Completion**

Rigless on 7/11/2013 - FB Well - 2200pm-Well Temp 144*. FCP 1860 psi on 18/64? choke. 1 hrs flowing. 33.16 bbls oil, 66 bbls water, 641 mcf 2300pm-Well Temp 136*. FCP 1852 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 59 bbls water, 657 mcf 0000pm-Well Temp 144*. FCP 1850 psi on 18/64? choke. 1 hrs flowing. 39.84 bbls oil, 48 bbls water, 671 mcf 18 hr total for oil-632.42 bbls. 18 hr total for water-983 bbls - 1900pm-Well Temp 148*. FCP 1871 psi on 18/64? choke. 1 hrs flowing. 33 bbls oil, 56 bbls water, 674 mcf 2000pm-Well Temp 148*. FCP 1866 psi on 18/64? choke. 1 hrs flowing. 47.84 bbls oil, 53 bbls water, 661 mcf 2100pm-Well Temp 144*. FCP 1861 psi on 18/64? choke. 1 hrs flowing. 31 bbls oil, 66 bbls water, 667 mcf 15 hr total for oil-522.42 bbls. 15 hr total for water-810 bbls - 1600pm-Well Temp 145*. FCP 1897 psi on 18/64? choke. 1 hrs flowing. 39 bbls oil, 50 bbls water, 634 mcf 1700pm-Well Temp 145*. FCP 1889 psi on 18/64? choke. 1 hrs flowing. 23 bbls oil, 48 bbls water, 647 mcf 1800pm-Well Temp 144*. FCP 1879 psi on 18/64? choke. 1 hrs flowing. 31 bbls oil, 62 bbls water, 641 mcf 12 hr total for oil-410.58 bbls. 12 hr total for water-635 bbls. - 0100am-Well Temp 144*. FCP 2078 psi on 18/64? choke. 1 hrs flowing. 32 bbls oil, 46 bbls water, 704 mcf 0200am-Well Temp 146*. FCP 2053 psi on 18/64? choke. 1 hrs flowing. 32 bbls oil, 56 bbls water, 694 mcf 0300am-Well Temp 142*. FCP 2038 psi on 18/64? choke. 1 hrs flowing. 33 bbls oil, 60 bbls water, 734 mcf 21 hr total for oil-612.26 bbls. 21 hr total for water-856 bbls. - 1000am-Well Temp 146*. FCP 1951 psi on 18/64? choke. 1 hrs flowing. 35 bbls oil, 58 bbls water, 670 mcf 1100am-Well Temp 147*. FCP 1944 psi on 18/64? choke. 1 hrs flowing. 40.58 bbls oil, 49 bbls water, 644 mcf 1200am-Well Temp 148*. FCP 1931 psi on 18/64? choke. 1 hrs flowing. 38 bbls oil, 56 bbls water, 667 mcf 6 hr total for oil-210.58 bbls. 6 hr total for water-306 bbls. - 0700am-Well Temp 142*. FCP 1980 psi on 18/64? choke. 1 hrs flowing. 20 bbls oil, 33 bbls water, 682 mcf 0800am-Well Temp 140*. FCP 1992 psi on 18/64? choke. 1 hrs flowing. 44 bbls oil, 55 bbls water, 598 mcf 0900am-Well Temp 143*.

FCP 1963 psi on 18/64? choke. 1 hrs flowing. 33 bbls oil, 55 bbls water, 674 mcf 3 hr total for oil-97 bbls. 3 hr total for water-143 bbls. - 0400am-Well Temp 134*. FCP 2016 psi on 18/64? choke. 1 hrs flowing. 41 bbls oil, 64 bbls water, 690 mcf 0500am-Well Temp 136*. FCP 2005 psi on 18/64? choke. 1 hrs flowing. 40.58 bbls oil, 52 bbls water, 648 mcf 0600am-Well Temp 138*. FCP 1991 psi on 18/64? choke. 1 hrs flowing. 52.58 bbls oil, 60 bbls water, 682 mcf 24 hr total for oil-746.42 bbls. 24 hr total for water-1032 bbls. - 1300pm-Well Temp 148*. FCP 1919 psi on 18/64? choke. 1 hrs flowing. 25 bbls oil, 47 bbls water, 671 mcf 1400pm-Well Temp 148*. FCP 1909 psi on 18/64? choke. 1 hrs flowing. 25 bbls oil, 47 bbls water, 663 mcf 1500pm-Well Temp 145*. FCP 1902 psi on 18/64? choke. 1 hrs flowing. 57 bbls oil, 75 bbls water, 670 mcf 9 hr total for oil-317.58 bbls. 9 hr total for water-475 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,531,387

7/12/2013 Day: 80**Completion**

Rigless on 7/12/2013 - FB Well - 2200pm-Well Temp 136*. FCP 1715 psi on 18/64? choke. 1 hrs flowing. 34 bbls oil, 39 bbls water, 608 mcf 2300pm-Well Temp 142*. FCP 1711 psi on 18/64? choke. 1 hrs flowing. 32 bbls oil, 32 bbls water, 621 mcf 0000pm-Well Temp 142*. FCP 1710 psi on 18/64? choke. 1 hrs flowing. 27 bbls oil, 42 bbls water, 617 mcf 18 hr total for oil-594 bbls. 18 hr total for water-869 bbls - 1900pm-Well Temp 144*. FCP 1725 psi on 18/64? choke. 1 hrs flowing. 27 bbls oil, 53 bbls water, 601 mcf 2000pm-Well Temp 142*. FCP 1720 psi on 18/64? choke. 1 hrs flowing. 34.42 bbls oil, 52 bbls water, 632 mcf 2100pm-Well Temp 141*. FCP 1718 psi on 18/64? choke. 1 hrs flowing. 32 bbls oil, 53 bbls water, 637 mcf 15 hr total for oil-501 bbls. 15 hr total for water-756 bbls - 1600pm-Well Temp 135*. FCP 1749 psi on 18/64? choke. 1 hrs flowing. 41 bbls oil, 48 bbls water, 609 mcf 1700pm-Well Temp 140*. FCP 1740 psi on 18/64? choke. 1 hrs flowing. 17 bbls oil, 47 bbls water, 610 mcf 1800pm-Well Temp 138*. FCP 1733 psi on 18/64? choke. 1 hrs flowing. 25.74 bbls oil, 60 bbls water, 608 mcf 12 hr total for oil-407.58 bbls. 12 hr total for water-598 bbls. - 0100am-Well Temp 137*. FCP 1844 psi on 18/64? choke. 1 hrs flowing. 25 bbls oil, 51 bbls water, 676 mcf 0200am-Well Temp 136*. FCP 1822 psi on 18/64? choke. 1 hrs flowing. 38 bbls oil, 59 bbls water, 676 mcf 0300am-Well Temp 142*. FCP 1816 psi on 18/64? choke. 1 hrs flowing. 40 bbls oil, 51 bbls water, 658 mcf 21 hr total for oil-735.42 bbls. 21 hr total for water-1142 bbls. - 1000am-Well Temp 141*. FCP 1815 psi on 18/64? choke. 1 hrs flowing. 26 bbls oil, 55 bbls water, 622 mcf 1100am-Well Temp 142*. FCP 1775 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 57 bbls water, 613 mcf 1200am-Well Temp 147*. FCP 1778 psi on 18/64? choke. 1 hrs flowing. 30 bbls oil, 45 bbls water, 635 mcf 6 hr total for oil-203 bbls. 6 hr total for water-303 bbls. - 0700am-Well Temp 139*. FCP 1786 psi on 18/64? choke. 1 hrs flowing. 38 bbls oil, 51 bbls water, 630 mcf 0800am-Well Temp 141*. FCP 1786 psi on 18/64? choke. 1 hrs flowing. 41 bbls oil, 50 bbls water, 633 mcf 0900am-Well Temp 140*. FCP 1786 psi on 18/64? choke. 1 hrs flowing. 31 bbls oil, 45 bbls water, 635 mcf 3 hr total for oil-110 bbls. 3 hr total for water-146 bbls. - 0400am-Well Temp 138*. FCP 1812 psi on 18/64? choke. 1 hrs flowing. 31 bbls oil, 54 bbls water, 656 mcf 0500am-Well Temp 143*. FCP 1805 psi on 18/64? choke. 1 hrs flowing. 40 bbls oil, 51 bbls water, 539 mcf 0600am-Well Temp 142*. FCP 1795 psi on 18/64? choke. 1 hrs flowing. 29 bbls oil, 47 bbls water, 644 mcf 24 hr total for oil-746.42 bbls. 24 hr total for water-1032 bbls. - 1300pm-Well Temp 126*. FCP 1775 psi on 18/64? choke. 1 hrs flowing. 32.84 bbls oil, 41 bbls water, 602 mcf 1400pm-Well Temp 138*. FCP 1755 psi on 18/64? choke. 1 hrs flowing. 51 bbls oil, 54 bbls water, 604 mcf 1500pm-Well Temp 137*. FCP 1757 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 45 bbls water, 616 mcf 9 hr total for oil-323.84 bbls. 9 hr total for water-443 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,542,786

7/13/2013 Day: 81**Completion**

Rigless on 7/13/2013 - FB Well - 2200pm-Well Temp 140*. FCP 1617 psi on 18/64? choke. 1 hrs flowing. 28 bbls oil, 45 bbls water, 584 mcf 2300pm-Well Temp 137*. FCP 1616 psi on 18/64? choke. 1 hrs flowing. 29 bbls oil, 58 bbls water, 569 mcf 0000pm-Well Temp 140*. FCP 1612 psi on 18/64? choke. 1 hrs flowing. 23 bbls oil, 32 bbls water, 576 mcf 18 hr total for oil-564.84 bbls. 18 hr total for water-777 bbls - 1900pm-Well Temp 141*. FCP 1634 psi on 18/64? choke. 1 hrs flowing. 30 bbls oil, 42 bbls water, 582 mcf 2000pm-Well Temp 141*. FCP 1622 psi on 18/64? choke. 1 hrs flowing. 29 bbls oil, 52 bbls water, 548 mcf 2100pm-Well Temp 140*. FCP 1619 psi on 18/64? choke. 1 hrs flowing. 32 bbls oil, 40 bbls water, 598 mcf 15 hr total for oil-484.84 bbls. 15 hr total for water-642 bbls - 1600pm-Well Temp 144*. FCP 1651 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 40 bbls water, 588 mcf 1700pm-Well Temp 143*. FCP 1642 psi on 18/64? choke. 1 hrs flowing. 32.58 bbls oil, 28 bbls water, 588 mcf 1800pm-Well Temp 143*. FCP 1638 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 56 bbls water, 588 mcf 12 hr total for oil-393.84 bbls. 12 hr total for water-508 bbls. - 0100am-Well Temp 142*. FCP 1705 psi on 18/64? choke. 1 hrs flowing. 33 bbls oil, 56 bbls water, 618 mcf 0200am-Well Temp 136*. FCP 1697 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 44 bbls water, 623 mcf 0300am-Well Temp 134*. FCP 1692 psi on 18/64? choke. 1 hrs flowing. 34 bbls oil, 45 bbls water, 624 mcf 21 hr total for oil-698 bbls. 21 hr total for water-1014 bbls. - 1000am-Well Temp 140*. FCP 1659 psi on 18/64? choke. 1 hrs flowing. 40 bbls oil, 51 bbls water, 604 mcf 1100am-Well Temp 143*. FCP 1655 psi on 18/64? choke. 1 hrs flowing. 25 bbls oil, 50 bbls water, 606 mcf 1200am-Well Temp 141*. FCP 1651 psi on 18/64? choke. 1 hrs flowing. 33.26 bbls oil, 38 bbls water, 595 mcf 6 hr total for oil-195.26 bbls. 6 hr total for water-256 bbls. - 0700am-Well Temp 138*. FCP 1671 psi on 18/64? choke. 1 hrs flowing. 40 bbls oil, 55 bbls water, 608 mcf 0800am-Well Temp 137*. FCP 1667 psi on 18/64? choke. 1 hrs flowing. 20 bbls oil, 32 bbls water, 600 mcf 0900am-Well Temp 138*. FCP 1663 psi on 18/64? choke. 1 hrs flowing. 37 bbls oil, 30 bbls water, 609 mcf 3 hr total for oil-97 lbs. 3 hr total for water-117 lbs - 0400am-Well Temp 134*. FCP 1687 psi on 18/64? choke. 1 hrs flowing. 31 bbls oil, 46 bbls water, 625 mcf 0500am-Well Temp 141*. FCP 1682 psi on 18/64? choke. 1 hrs flowing. 41 bbls oil, 50 bbls water, 610 mcf 0600am-Well Temp 142*. FCP 1679 psi on 18/64? choke. 1 hrs flowing. 23 bbls oil, 43 bbls water, 597 mcf 24 hr total for oil-793 bbls. 24 hr total for water-1153 bbls. - 1300pm-Well Temp 142*. FCP 1656 psi on 18/64? choke. 1 hrs flowing. 18 bbls oil, 53 bbls water, 576 mcf 1400pm-Well Temp 138*. FCP 1654 psi on 18/64? choke. 1 hrs flowing. 45 bbls oil, 35 bbls water, 591 mcf 1500pm-Well Temp 142*. FCP 1661 psi on 18/64? choke. 1 hrs flowing. 29 bbls oil, 40 bbls water, 583 mcf 9 hr total for oil-287.26 bbls. 9 hr total for water-384 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,554,185

7/14/2013 Day: 82**Completion**

Rigless on 7/14/2013 - FB Well - 2200pm-Well Temp 141*. FCP 1554 psi on 18/64? choke. 1 hrs flowing. 25 bbls oil, 51 bbls water, 541 mcf 2300pm-Well Temp 141*. FCP 1552 psi on 18/64? choke. 1 hrs flowing. 34 bbls oil, 50 bbls water, 505 mcf 0000pm-Well Temp 141*. FCP 1548 psi on 18/64? choke. 1 hrs flowing. 15 bbls oil, 47 bbls water, 537 mcf 18 hr total for oil-529 bbls. 18 hr total for water-710 bbls - 1900pm-Well Temp 141*. FCP 1564 psi on 18/64? choke. 1 hrs flowing. 47 bbls oil, 45 bbls water, 511 mcf 2000pm-Well Temp 140*. FCP 1561 psi on 18/64? choke. 1 hrs flowing. 29 bbls oil, 33 bbls water, 514 mcf 2100pm-Well Temp 140*. FCP 1557 psi on 18/64? choke. 1 hrs flowing. 13 bbls oil, 15 bbls water, 529 mcf 15 hr total for oil-455 bbls. 15 hr total for water-562 bbls - 1600pm-Well Temp 140*. FCP 1572 psi on 18/64? choke. 1 hrs flowing. 20 bbls oil, 38 bbls water, 564 mcf 1700pm-Well Temp 140*. FCP 1569 psi on 18/64? choke. 1 hrs flowing. 38.84 bbls oil, 9 bbls water, 553 mcf 1800pm-Well Temp 140*. FCP 1567 psi on 18/64? choke. 1 hrs flowing. 24 bbls oil, 53 bbls water, 544 mcf 12 hr total for oil-366 bbls. 12 hr total for water-469 bbls. - 1300pm-Well Temp 143*. FCP 1575 psi on 18/64? choke. 1 hrs flowing. 30 bbls oil, 30 bbls water, 572 mcf 1400pm-Well Temp 144*. FCP 1576 psi on 18/64? choke. 1 hrs flowing. 32 bbls oil, 50 bbls water, 572 mcf 1500pm-Well Temp 144*. FCP 1575 psi on 18/64? choke. 1 hrs flowing. 37

bbbs oil, 45 bbbs water, 567 mcf 9 hr total for oil-283.16 bbbs. 9 hr total for water-369 bbbs. - 1000am-Well Temp 142*. FCP 1578 psi on 18/64? choke. 1 hrs flowing. 19 bbbs oil, 36 bbbs water, 573 mcf 1100am-Well Temp 142*. FCP 1596 psi on 18/64? choke. 1 hrs flowing. 12.42 bbbs oil, 30 bbbs water, 566 mcf 1200am-Well Temp 142*. FCP 1575 psi on 18/64? choke. 1 hrs flowing. 40.74 bbbs oil, 42 bbbs water, 558 mcf 6 hr total for oil-184.16 bbbs. 6 hr total for water-244 bbbs. - 0700am-Well Temp 134*. FCP 1583 psi on 18/64? choke. 1 hrs flowing. 34 bbbs oil, 50 bbbs water, 569 mcf 0800am-Well Temp 133*. FCP 1580 psi on 18/64? choke. 1 hrs flowing. 28 bbbs oil, 32 bbbs water, 541 mcf 0900am-Well Temp 140*. FCP 1580 psi on 18/64? choke. 1 hrs flowing. 50 bbbs oil, 54 bbbs water, 515 mcf 3 hr total for oil-112 lbs. 3 hr total for water-136 lbs - 0400am-Well Temp 141*. FCP 1598 psi on 18/64? choke. 1 hrs flowing. 33 bbbs oil, 43 bbbs water, 570 mcf 0500am-Well Temp 140*. FCP 1591 psi on 18/64? choke. 1 hrs flowing. 22 bbbs oil, 40 bbbs water, 523 mcf 0600am-Well Temp 133*. FCP 1588 psi on 18/64? choke. 1 hrs flowing. 37 bbbs oil, 40 bbbs water, 541 mcf 24 hr total for oil-760.84 bbbs. 24 hr total for water-1041 bbbs. - 0100am-Well Temp 140*. FCP 1608 psi on 18/64? choke. 1 hrs flowing. 37 bbbs oil, 55 bbbs water, 577 mcf 0200am-Well Temp 136*. FCP 1604 psi on 18/64? choke. 1 hrs flowing. 43 bbbs oil, 51 bbbs water, 570 mcf 0300am-Well Temp 141*. FCP 1601 psi on 18/64? choke. 1 hrs flowing. 24 bbbs oil, 35 bbbs water, 564 mcf 21 hr total for oil-668.84 bbbs. 21 hr total for water-918 bbbs.

Daily Cost: \$0

Cumulative Cost: \$6,565,584

7/15/2013 Day: 83**Completion**

Rigless on 7/15/2013 - FB Well - 1900pm-Well Temp 141*. FCP 1489 psi on 18/64? choke. 1 hrs flowing. 33 bbbs oil, 23 bbbs water, 479 mcf 2000pm-Well Temp 140*. FCP 1493 psi on 18/64? choke. 1 hrs flowing. 28.26 bbbs oil, 35 bbbs water, 458 mcf 2100pm-Well Temp 140*. FCP 1491 psi on 18/64? choke. 1 hrs flowing. 30 bbbs oil, 34 bbbs water, 489 mcf 15 hr total for oil-417.84 bbbs. 15 hr total for water-532 bbbs - 1600pm-Well Temp 143*. FCP 1442 psi on 18/64? choke. 1 hrs flowing. 33 bbbs oil, 35 bbbs water, 562 mcf 1700pm-Well Temp 138*. FCP 1482 psi on 18/64? choke. 1 hrs flowing. 22 bbbs oil, 45 bbbs water, 480 mcf 1800pm-Well Temp 137*. FCP 1487 psi on 18/64? choke. 1 hrs flowing. 18.58 bbbs oil, 26 bbbs water, 489 mcf 12 hr total for oil-326.58 bbbs. 12 hr total for water-440 bbbs. - 1000am-Well Temp 142*. FCP 1511 psi on 18/64? choke. 1 hrs flowing. 26 bbbs oil, 24 bbbs water, 538 mcf 1100am-Well Temp 145*. FCP 1505 psi on 18/64? choke. 1 hrs flowing. 30 bbbs oil, 37 bbbs water, 556 mcf 1200am-Well Temp 141*. FCP 1501 psi on 18/64? choke. 1 hrs flowing. 29 bbbs oil, 45 bbbs water, 552 mcf 6 hr total for oil-169 bbbs. 6 hr total for water-226 bbbs. - 0700am-Well Temp 136*. FCP 1530 psi on 18/64? choke. 1 hrs flowing. 27.74 bbbs oil, 38 bbbs water, 484 mcf 0800am-Well Temp 134*. FCP 1530 psi on 18/64? choke. 1 hrs flowing. 24.26 bbbs oil, 35 bbbs water, 565 mcf 0900am-Well Temp 140*. FCP 1520 psi on 18/64? choke. 1 hrs flowing. 32 bbbs oil, 47 bbbs water, 527 mcf 3 hr total for oil-84 lbs. 3 hr total for water-120 lbs - 0400am-Well Temp 137*. FCP 1538 psi on 18/64? choke. 1 hrs flowing. 32 bbbs oil, 40 bbbs water, 550 mcf 0500am-Well Temp 132*. FCP 1537 psi on 18/64? choke. 1 hrs flowing. 25 bbbs oil, 52 bbbs water, 519 mcf 0600am-Well Temp 132*. FCP 1533 psi on 18/64? choke. 1 hrs flowing. 28 bbbs oil, 50 bbbs water, 592 mcf 24 hr total for oil-706 bbbs. 24 hr total for water-954 bbbs. - 0100am-Well Temp 136*. FCP 1546 psi on 18/64? choke. 1 hrs flowing. 40 bbbs oil, 40 bbbs water, 538 mcf 0200am-Well Temp 139*. FCP 1545 psi on 18/64? choke. 1 hrs flowing. 35 bbbs oil, 32 bbbs water, 531 mcf 0300am-Well Temp 138*. FCP 1542 psi on 18/64? choke. 1 hrs flowing. 17 bbbs oil, 30 bbbs water, 543 mcf 21 hr total for oil-621 bbbs. 21 hr total for water-812 bbbs. - 2200pm-Well Temp 137*. FCP 1496 psi on 18/64? choke. 1 hrs flowing. 19 bbbs oil, 35 bbbs water, 466 mcf 2300pm-Well Temp 133*. FCP 1482 psi on 18/64? choke. 1 hrs flowing. 37 bbbs oil, 46 bbbs water, 499 mcf 0000pm-Well Temp 133*. FCP 1481 psi on 18/64? choke. 1 hrs flowing. 21 bbbs oil, 37 bbbs water, 482 mcf 18 hr total for oil-494.84 bbbs. 18 hr total for water-650 bbbs - 1300pm-Well Temp 144*. FCP 1499 psi on 18/64? choke. 1 hrs flowing. 23 bbbs oil, 39 bbbs water, 556 mcf 1400pm-Well Temp 142*. FCP 1449 psi on 18/64? choke. 1 hrs flowing. 31 bbbs oil, 38 bbbs water, 539

mcf 1500pm-Well Temp 142*. FCP 1448 psi on 18/64? choke. 1 hrs flowing. 30 bbls oil, 31 bbls water, 542 mcf 9 hr total for oil-253 bbls. 9 hr total for water-334 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,576,983

7/16/2013 Day: 84**Completion**

Rigless on 7/16/2013 - FB Well - 1900pm-Well Temp 137*. FCP 1435 psi on 18/64? choke. 1 hrs flowing. 25 bbls oil, 30 bbls water, 486 mcf 2000pm-Well Temp 138*. FCP 1452 psi on 18/64? choke. 1 hrs flowing. 15 bbls oil, 35 bbls water, 455 mcf 2100pm-Well Temp 137*. FCP 1441 psi on 18/64? choke. 1 hrs flowing. 42 bbls oil, 19 bbls water, 488 mcf 15 hr total for oil-420.32 bbls. 15 hr total for water-511 bbls - 1600pm-Well Temp 137*. FCP 1398 psi on 18/64? choke. 1 hrs flowing. 34 bbls oil, 35 bbls water, 483 mcf 1700pm-Well Temp 136*. FCP 1395 psi on 18/64? choke. 1 hrs flowing. 33 bbls oil, 39 bbls water, 484 mcf 1800pm-Well Temp 136*. FCP 1419 psi on 18/64? choke. 1 hrs flowing. 34 bbls oil, 30 bbls water, 486 mcf 12 hr total for oil-338.32 bbls. 12 hr total for water-427 bbls. - 0100am-Well Temp 136*. FCP 1479 psi on 18/64? choke. 1 hrs flowing. 26 bbls oil, 39 bbls water, 476 mcf 0200am-Well Temp 136*. FCP 1481 psi on 18/64? choke. 1 hrs flowing. 26 bbls oil, 27 bbls water, 474 mcf 0300am-Well Temp 134*. FCP 1477 psi on 18/64? choke. 1 hrs flowing. 26 bbls oil, 32 bbls water, 488 mcf 21 hr total for oil-572.84 bbls. 21 hr total for water-748 bbls. - 0400am-Well Temp 136*. FCP 1473 psi on 18/64? choke. 1 hrs flowing. 25 bbls oil, 43 bbls water, 476 mcf 0500am-Well Temp 130*. FCP 1472 psi on 18/64? choke. 1 hrs flowing. 18 bbls oil, 27 bbls water, 483 mcf 0600am-Well Temp 129*. FCP 1471 psi on 18/64? choke. 1 hrs flowing. 27.84 bbls oil, 48 bbls water, 483 mcf 24 hr total for oil-643.68 bbls. 24 hr total for water-866 bbls. - 0700am-Well Temp 130*. FCP 1466 psi on 18/64? choke. 1 hrs flowing. 27 bbls oil, 37 bbls water, 523 mcf 0800am-Well Temp 133*. FCP 1436 psi on 18/64? choke. 1 hrs flowing. 30 bbls oil, 45 bbls water, 520 mcf 0900am-Well Temp 136*. FCP 1428 psi on 18/64? choke. 1 hrs flowing. 22.58 bbls oil, 31 bbls water, 512 mcf 3 hr total for oil-79.58 lbs. 3 hr total for water-113 lbs - 1000am-Well Temp 141*. FCP 1420 psi on 18/64? choke. 1 hrs flowing. 27 bbls oil, 35 bbls water, 503 mcf 1100am-Well Temp 138*. FCP 1410 psi on 18/64? choke. 1 hrs flowing. 23 bbls oil, 39 bbls water, 503 mcf 1200am-Well Temp 140*. FCP 1407 psi on 18/64? choke. 1 hrs flowing. 24 bbls oil, 40 bbls water, 507 mcf 6 hr total for oil-153.58 bbls. 6 hr total for water-227 bbls. - 2200pm-Well Temp 137*. FCP 1445 psi on 18/64? choke. 1 hrs flowing. 23 bbls oil, 54 bbls water, 432 mcf. MI & Spot MT States WOR, HYD catwalk. 2300pm-Well Temp 138*. FCP 1426 psi on 18/64? choke. 1 hrs flowing. 20 bbls oil, 36 bbls water, 427 mcf 0000pm-Well Temp 137*. FCP 1433 psi on 18/64? choke. 1 hrs flowing. 27 bbls oil, 29 bbls water, 422 mcf 18 hr total for oil-490.32 bbls. 18 hr total for water-630 bbls - 1300pm-Well Temp 139*. FCP 1406 psi on 18/64? choke. 1 hrs flowing. 27 bbls oil, 33 bbls water, 505 mcf 1400pm-Well Temp 140*. FCP 1399 psi on 18/64? choke. 1 hrs flowing. 28 bbls oil, 32 bbls water, 436 mcf 1500pm-Well Temp 136*. FCP 1401 psi on 18/64? choke. 1 hrs flowing. 28.74 bbls oil, 31 bbls water, 499 mcf 9 hr total for oil-237.32 bbls. 9 hr total for water-323 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,588,382

7/17/2013 Day: 85**Completion**

Mountain States #1409 on 7/17/2013 - FB Well, MIRU MT States WOR, MIRU FMC to test BOP, RU Snubbing, test same, - 21:30 Continue to wait on relief crew to arrive on location to continue operation. 23:53 MT States night crew arrived on location. - 19:40 Current Op?s Continue Repairing MT States 5K snubbing unit. HYD fluid leak at the annular BOP preventer. Plan is to repair leak and continue pressure testing snubbing unit. - MIRU Mountain State's WOR and snubbing unit, Test same to pressure test each component of snubbing unit's stack per Newfield BOP Pressure Testing Procedures. 250 psi low, 5,000 psi high. Change out rubber

in annular bag, Continue to torque up snubbing unit. Set in hydro-walk, set pipe racks, lay out 2 3/8" eu 8rd L-80 4.7# tbg and tally same. - Waiting for super tankers to load out oil from production tank. - 0100am-Well Temp 138*. FCP 1421 psi on 18/64" choke. 1 hrs flowing. 25 bbls oil, 38 bbls water, 421 mcf 0200am-Well Temp 128*. FCP 1425 psi on 18/64" choke. 1 hrs flowing. 22 bbls oil, 45 bbls water, 431 mcf 0300am-Well Temp 126*. FCP 1424 psi on 18/64" choke. 1 hrs flowing. 20 bbls oil, 13 bbls water, 439 mcf 21 hr total for oil-557.32 bbls. 21 hr total for water-726 bbls. - 0400am-Well Temp 128*. FCP 1421 psi on 18/64" choke. 1 hrs flowing. 23 bbls oil, 37 bbls water, 442 mcf 0500am-Well Temp 127*. FCP 1420 psi on 18/64" choke. 1 hrs flowing. 39.16 bbls oil, 38 bbls water, 440 mcf 23 hr total for oil-619.48 bbls. 23 hr total for water-801 bbls.

Daily Cost: \$0

Cumulative Cost: \$6,609,813

7/18/2013 Day: 86**Completion**

Mountain States #1409 on 7/18/2013 - MIRU test unit, test BOP Stack & snubbing unit - Heid PJSM & JSA Meeting. P/U BHA 2-3/8" Mule Shoe, 2-3/8" XN Nipple 1.875 ID NO GO 1.791 OD, 2ft 2-3/8" Perated Sub N80 w/10 holes 0.625 60%, 2-3/8" Ceramic Disc Sub, 6ft 2-3/8" N80 Sub, 2-3/8" X nipple 1.875 ID, 1 JT 2-3/8" L80 eue 8rd 4.7#, 2-3/8" X Nipple 1.875 ID. RIH w/BHA & 37 jts 2-3/8" eue 8rd 4.7#. - Hold Pre Job Safety Meeting, P/U 1 JT 2-3/8 L80 eue 8rd 4.7# & BHA drop BHA down on top B.O.P stack. Fish out BHA - 02:50 RU Weatherford test unit. Perform dead head test to 10,000 psi. Test good. BO pressure. RU test hose to choke kill valve on double BOP. Closed Blind shear rams. Function & pressure test blind shear rams to 250 psi for low, for 5 min w/HCR valve closed. Test good. BO pressure. Test same to 10,000 psi for high, for 10 min. Test good. BO pressure. Open Shear blind rams. PU a 2-3/8" mandrel ran down though BOP stack to the lower 2-3/8" BOP pipe rams and closed same. Function & pressure test lower 2-3/8" BOP pipe rams against HCR valve to 250 for low, for 5 min. Test good. BO pressure. Test same to 10,000 psi for high, for 10 min. Test good. BO pressure. Open lower BOP pipe rams. Retested the shear rams as the door seal was leaking. Complete BOP and Snub unit test per NFX procedure. We have minor issues with paraffin in BOP stack causing extra time to properly test. All are testing per NFX procedures. - Continue to wait on test unit. - 17:45 Shift Change. Hold Pre Job Safety meeting w/all personnel on location. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area, PPE FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor. - 18:00 SD operation due to 1" HYD pressure line that go to slip on snubbing unit crack that make the slip open/close. Wait on Welder to arrive on location to welded 1" HYD line. 19:30 Welder on location to repair HYD line. MT States pusher ran into town to fine a O-Ring for the flange off of the 1" HYD line that bolts up to the snubbing unit. 22:15 Installed 1" HYD line back onto snubbing unit. - 02:30 Hold Pre Job Safety meeting w/all personnel on location. Review NFX safety Policy and Procedures, Review JSA and discuss Safety meeting Area, PPE FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor.

Daily Cost: \$0

Cumulative Cost: \$6,642,884

7/19/2013 Day: 87**Completion**

Mountain States #1409 on 7/19/2013 - Continue Snubbing/RIH w/2-3/8", 4.7#, L-80 8rnd EUE tubing to 9,480'. RU Hot oiler, wash out BOP stack w/160* water, land NFX 7-1/16" x 2-3/8" extended neck tubing hanger w/TWCV, test same, ND snubbing unit, WOR, BOP, NU NPT #17 10k Prod tree - 00:40 Repair complete on MT States snubbing unit. - 02:30 SD to fill tubing & tallied 110 jts 2-3/8", 4.7#, L-80 EUE 8rnd tubing. - 03:00 Snubbing/RIH w/ Prod BHA 2 3/8" mule shoe , 2 3/8" XN nipple 1.875" ID w/ 1.791 no go, 2/38" x 2" perf sub w/16

holes at 0.5? diameter w/60 degree phasing,10k ceramic burst disc, 2 3/8? x 6? pup, 2 3/8? X nipple, 1 jt 2 3/8? 4.7# L-80 tbg, X nipple & 135 jts 2-3/8?, 4.7#, L-80 EUE 8rnd tubing. EOT: 4,390? KB. FB well through 15/64? choke at 2000 psi. w/1 bpm in return through production equipment. - SD to fill tubing. SD pumping. Continue RIH w/2-3/8" L-80 tubing. - 04:18 Snubbing/RIH w/ Prod BHA 2 3/8?mule shoe ,2 3/8? XN nipple 1.875? ID w/ 1.791 no go, 2/38? x 2? perf sub w/16 holes at 0.5? diameter w/60 degree phasing,10k ceramic burst disc, 2 3/8? x 6? pup, 2 3/8? X nipple, 1 jt 2 3/8? 4.7# L-80 tbg, X nipple 184 jts 2-3/8?, 4.7#, L-80 EUE 8rnd tubing. EOT: 5,967? KB. FB well through 15/64? choke at 2000 psi. w/1.4 bpm in return through production equipment. - SD to fill tubing. SD pumping. Continue RIH w/2-3/8" L-80 tubing. - 05:15 Snubbing/RIH w/ Prod BHA 2 3/8?mule shoe ,2 3/8? XN nipple 1.875? ID w/ 1.791 no go, 2/38? x 2? perf sub w/16 holes at 0.5? diameter w/60 degree phasing,10k ceramic burst disc, 2 3/8? x 6? pup, 2 3/8? X nipple, 1 jt 2 3/8? 4.7# L-80 tbg, X nipple 293 jts 2-3/8?, 4.7#, L-80 EUE 8rnd tubing. EOT: 9,472' KB. FB well through 15/64? choke at 2000 psi. w/1.4 bpm in return through production equipment. - RIH to 9439.69 RU Preferred Hot Oil Truck, 2000 psi on well pump 45 bbls @ 2500 psi 1 bbl min 160 degree water down clean out B.O.P. stack & bowl. - 2000 psi on well, P/U RIH 1 jt 2-3/8" L80 Install & MU 7-1/16 X 2-3/8" extended-neck tbg hanger w/Cameron TWC Valve in hanger. Equalize B.O.P stack 2000 psi land tbg hanger in B-section tighten hold down pins. Bottom BHA 9471.89 w/294 jts 2-3/8 L80 eue 8rd 4.7#. Back out TIW & Landing JT.(BHA 2-3/8" Mule Shoe, 2-3/8" XN Nipple 1.875 NO GO 1.791 , 2ft 2-3/8" Perforated sub N80 w/10 Holes 0.625 60% degree phasing, 2-3/8" Geramic Disc Sub, 6ft X 2-3/8" N80 Sub, 2-3/8" X Nipple 1.875 , 1 JT 2-3/8" L80 eue 8rd 4.7#, 2-3/8" X Nipple 1.875). - Test TWC valve 250 psi low 5 mins test good, test 10,000 high 10 mins test good. RDMO Mountain States Snubbing Unit & WOR. - Conduct PJSM, MIRU B&G Crane ND BOP's and HCR Frac valve. Released Weatherford 7-1/16" 10K BOP stack & FMC HCR valve & accumulator. 19:05 Western Well Service on location to load Weatherford BOP stack consisting of:10K 7-1/16" Double BOP w/blind shear rams, 2-3/8' pipe rams and double 2-1/16" manual valves,7-1/16" 10K Flow cross w/dual, double 2-1/16" outlets, 10K 7-1/16' single BOP w/2-3/8" pipe rams & 10K X 5K 7-1/16" DSA w/2 skids. Released FMC 10K 7-1/16" HCR valve w/accumulator and hoses. Loaded and return to FMC yard on Western Well Service truck - 17:45 Finish ND FMC 7-1/16? 10K HCR valve. 18:15 NU 10K Production Tree (NFX extended neck 7-1/16? X 2-3/8? tubing hanger & NPT 17). Test void to 10K for 10 min. Test good BO pressure. 19:10 Preform dead head test against test unit to 10,000 psi for 5 min. Test good. BO pressure. 19:20 Pressure test Production to 250 psi for low, for 5 min. Test good. BO pressure. 19:40 Current Op?s Pressure test same to 10,000 psi, for high, for 10 min. - Wait on completion on the 4-18 to burst ceramic disc. 4-C on location clean around well and to grade around well - 00:40 Snubbing/RIH w/ Prod BHA 2 3/8?mule shoe ,2 3/8? XN nipple 1.875? ID w/ 1.791 no go, 2/38? x 2? perf sub w/16 holes at 0.5? diameter w/60 degree phasing,10k ceramic burst disc, 2 3/8? x 6? pup, 2 3/8? X nipple, 1 jt 2 3/8? 4.7# L-80 tbg, X nipple & 74 jts 2-3/8?, 4.7#, L-80 EUE 8rnd tubing. EOT: 2,430? KB. FB well through 12/64? choke at 1700 psi. w/1 bpm in return through production equipment.

Daily Cost: \$0

Cumulative Cost: \$6,743,039

7/20/2013 Day: 88

Completion

Mountain States #1409 on 7/20/2013 - No Activity. Wait on completion on the 4-18-3-3WH to FB well. - H&H Trucking on loc to load Weatherford accumulator, Hoses & Control box. Return back to Weatherford yard. - No Activity. Wait on completion on the 4-18-3-3WH to FB well. - No Activity. Wait on completion on the 4-18-3-3WH to FB well.

Daily Cost: \$0

Cumulative Cost: \$6,748,534

7/21/2013 Day: 89

Completion

Mountain States #1409 on 7/21/2013 - Wait on Completion of the 4-18 FB well. - Wait on Completion of the 4-18 FB well.

Daily Cost: \$0

Cumulative Cost: \$6,752,834

7/22/2013 Day: 90

Completion

Mountain States #1409 on 7/22/2013 - Wait on Completion of the 4-18 FB well. - Wait on Completion of the 4-18 FB well.

Daily Cost: \$0

Cumulative Cost: \$6,762,844

7/23/2013 Day: 91

Completion

Mountain States #1409 on 7/23/2013 - Turned Well over to Production 7/23/13 @ 1300hrs. - Waiting on Completion of the 4-18-3-3WH - Held PJSM & JSA. RU Weatherford pump. Burst Disc @ 3900 psi pump 77 bbls @ 2.5 bpm 1900 psi. Shut well in turn over to production.

Daily Cost: \$0

Cumulative Cost: \$7,025,798

7/30/2013 Day: 92

Completion

Rigless on 7/30/2013 - Capture Costs in DCR - Capture Costs in DCR. Captured Bop Repair cost 8/23/13

Daily Cost: \$0

Cumulative Cost: \$7,118,789

Pertinent Files: [Go to File List](#)