

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 Aubrey 1A-15-22-3-2WH				
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 NORTH MYTON BENCH				
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 mcozler@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-6269			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') Bruce Dart, Trustee						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-722-7087				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') Route 2, Box 2044, Roosevelt, UT 84066						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		280 FNL 201 FWL		NWNW	14	3.0 S	2.0 W	U		
Top of Uppermost Producing Zone		330 FNL 660 FEL		NENE	15	3.0 S	2.0 W	U		
At Total Depth		330 FSL 660 FEL		SESE	22	3.0 S	2.0 W	U		
21. COUNTY DUCHESENE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 201			23. NUMBER OF ACRES IN DRILLING UNIT 40				
27. ELEVATION - GROUND LEVEL 5419			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2900			26. PROPOSED DEPTH MD: 18706 TVD: 8566				
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	0.0	Unknown	0.0	Class G	57	1.17	15.8
SURF	17.5	13.375	0 - 1500	54.5	J-55 LT&C	8.3	Class G	1781	1.17	15.8
I1	12.25	9.625	0 - 8374	40.0	N-80 Buttress	11.0	Halliburton Premium , Type Unknown	1468	2.86	11.0
							Halliburton Premium , Type Unknown	587	1.34	14.0
PROD	8.75	5.5	0 - 18706	20.0	P-110 Other	14.5	No Used	0	0.0	0.0
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 06/27/2013				EMAIL starpoint@etv.net		
API NUMBER ASSIGNED 43013522700000				APPROVAL  Permit Manager						

Newfield Production Company
1A-15-22-3-2WH
Surface Hole Location: 280' FNL, 201' FWL, Section 14, T3S, R2W
Bottom Hole Location: 330' FSL, 660' FEL, Section 22, T3S, R2W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	Surface			
Green River	3,722'			
Garden Gulch member	6,682'			
UB PZ 2 Target	8,960'			
Lateral TD	8,566'	TVD /	18,706'	MD

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

Base of moderately saline	1,537'		(water)
Green River	6,682'	- 8,960'	(oil)
UB PZ 2 Target	8,960'	- 8,566'	(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 5M system. We will test the system to 5M
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. We will test system to 6,500 PSI

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'	1,500'	54.5	J-55	LTC	8.33	8.33	14	2,730	1,130	909
Intermediate 9 5/8	0'	8,297' 8,374	40	N-80	BTC	10.5	11	15	5,750	3,090	630,000
Production Casing 5 1/2	0'	8,566' 18,706'	20	P-110	Tenaris XP	14	14.5	15	12,640	11,080	641,000
									2.41	1.98	1.71

Assumptions:

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

Intermediate casing MASP = (frac gradient + 1.0 PPG) - (water gradient)

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

Intermediate collapse calculations assume lost returns and casing half evacuated.

Production collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.115 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 15.8ppg w/2% CaCl	66	15%	15.8	1.17
				57			
Surface Slurry	17 1/2	1,500'	EconoCem 15.8 G w/2% CaCl	2084	100%	15.8	1.17
				1781			
Intermediate Lead	12 1/4	6,700'	ECONOCEM 11.0 PPG w/.4% HR-800 .25 lbm/sx Poly-E-Flake (LCM additive)	4197	100%	11.0	2.86
				1468			
Intermediate Tail	12 1/4	1,674'	BONDCEM 14 PPG w/.2% HR-800 & 1 lbm/sx Granulite TR (LCM additive)	786	50%	14.0	1.34
				587			

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.

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

6. Type and Characteristics of Proposed Circulating Medium**Interval****Description**

Surface - 1,500'

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.

1,500' - 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). Returned mud and cuttings may be centrifuged, filtered, and/or otherwise mechanically treated so that they can be transferred to a lined cuttings pit. If needed, these cuttings will be subsequently mixed with at least one chemical that will further modify them so that they can be transported on public highways in open top trucks without any danger of substantial loss of material from the trucks to the environment. Samples of these mechanically and optionally chemically treated cuttings and mud will be taken for chemical analysis, and the remainder will be stored in a lined cuttings storage pit on the generating location, pending their use on the same drilling site (only if Newfield owns the surface rights at that location as well as the leasehold rights) or transfer to another location to begin a Firmus® process, as further described in part 9 below, or their being transported to a state-approved disposal facility. The storage pit will be sufficiently large to contain the entire volume of the treated cuttings generated by the drilling on the location and will be separate from any other pit on the location. The latitude and longitude of this pit will be documented to aid in following the disposition of the cuttings later if needed.

Anticipated maximum mud weight is 14.0 ppg.

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 0.72 psi/ft gradient.

$$8,566' \times 0.72 \text{ psi/ft} = 6168 \text{ psi}$$

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 8,474' .

Directional tools will then be used to build to 92.25 degrees inclination.

The lateral will be drilled to the bottomhole location shown on the plat.

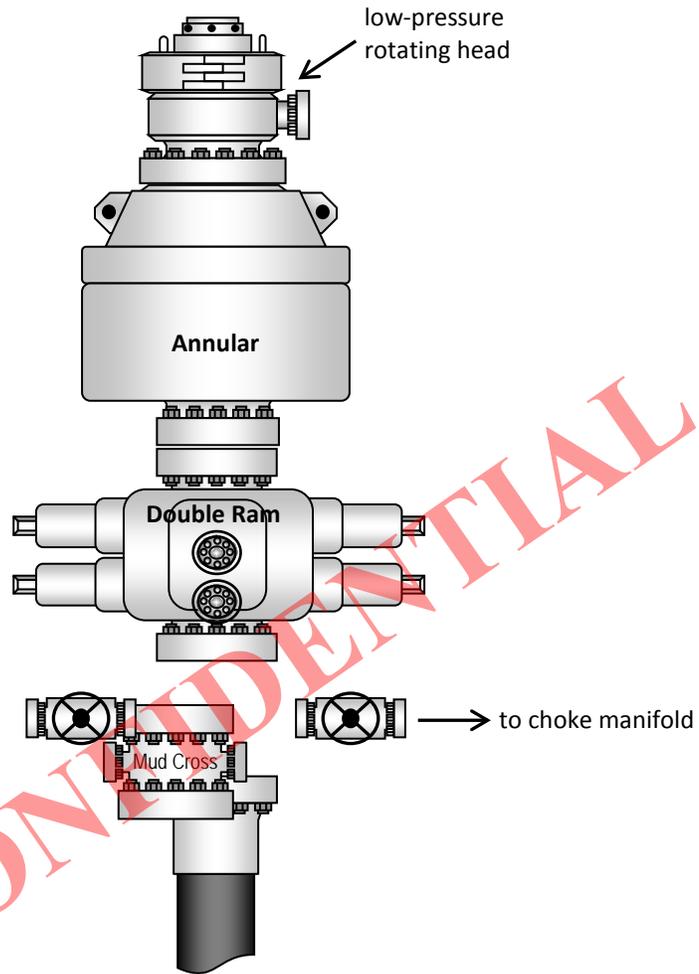
A 5.5" Longstring will be run from TD to surface. Open hole completions with sliding sleeve and packer completion assembly will be utilized. We will place a casing packer at the 9 5/8" shoe and a swell packer at the heel of the well for casing stability and frac isolation.

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

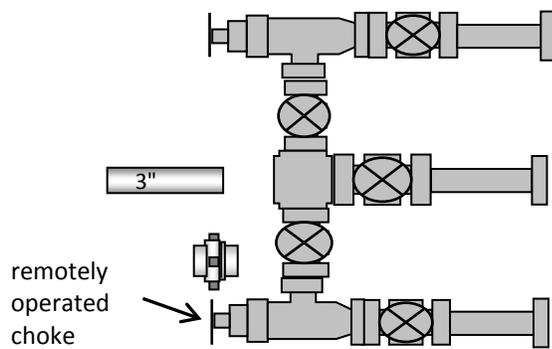
If oil based mud (OBM) is used and Newfield owns the surface rights on the same drilling site at a location where construction is desired, the cuttings may be used for construction by a Firmus® process at that location. Otherwise, after the cuttings have been made safe for transport as described in paragraph 6, they will be transported to another location on which Newfield owns surface rights and there mixed, as part of a Firmus® process, with at least one additional chemical that will convert them to a temporarily uncured cementitious mixture that will be placed and shaped into a temporary desired final structure that will spontaneously harden within seven days after placement to form the desired structure. Samples of the temporary desired final structure may be taken for testing as described below (after the samples have hardened), or samples of the starting pretreated cuttings and mud will be taken during the construction and later mixed in a laboratory, molded, and cured to simulate the final structure as well as reasonably possible. Either these laboratory-made simulations of the final structure or samples of the temporary mixture itself after hardening, will be mechanically tested directly to determine their unconfined compressive strength and their hydraulic conductivity. Leachates of the mechanically tested structures themselves or of finer particles made by crushing and size-grading of the mechanically tested structures themselves to a specified particle size range will be analyzed, according to specified methods, for their contents of arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, zinc, benzene, total petroleum hydrocarbons (TPH), and chlorides, and the pH of these leachates will also be measured. The results of all these tests will be reported by Newfield to UDOGM at intervals as requested, along with the latitude and longitude (or other comparable location data) of the site of the useful constructions built.

CONFIDENTIAL

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



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

NEWFIELD EXPLORATION COMPANY

Well location, #1A-15-22-3-2WH, located as shown in the NW 1/4 NW 1/4 of Section 14, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

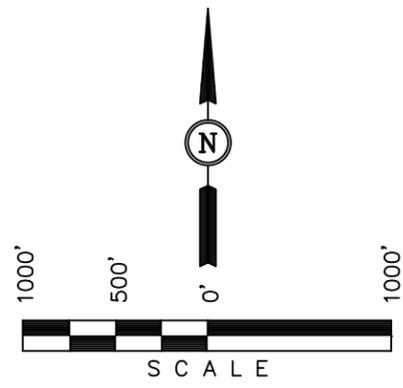
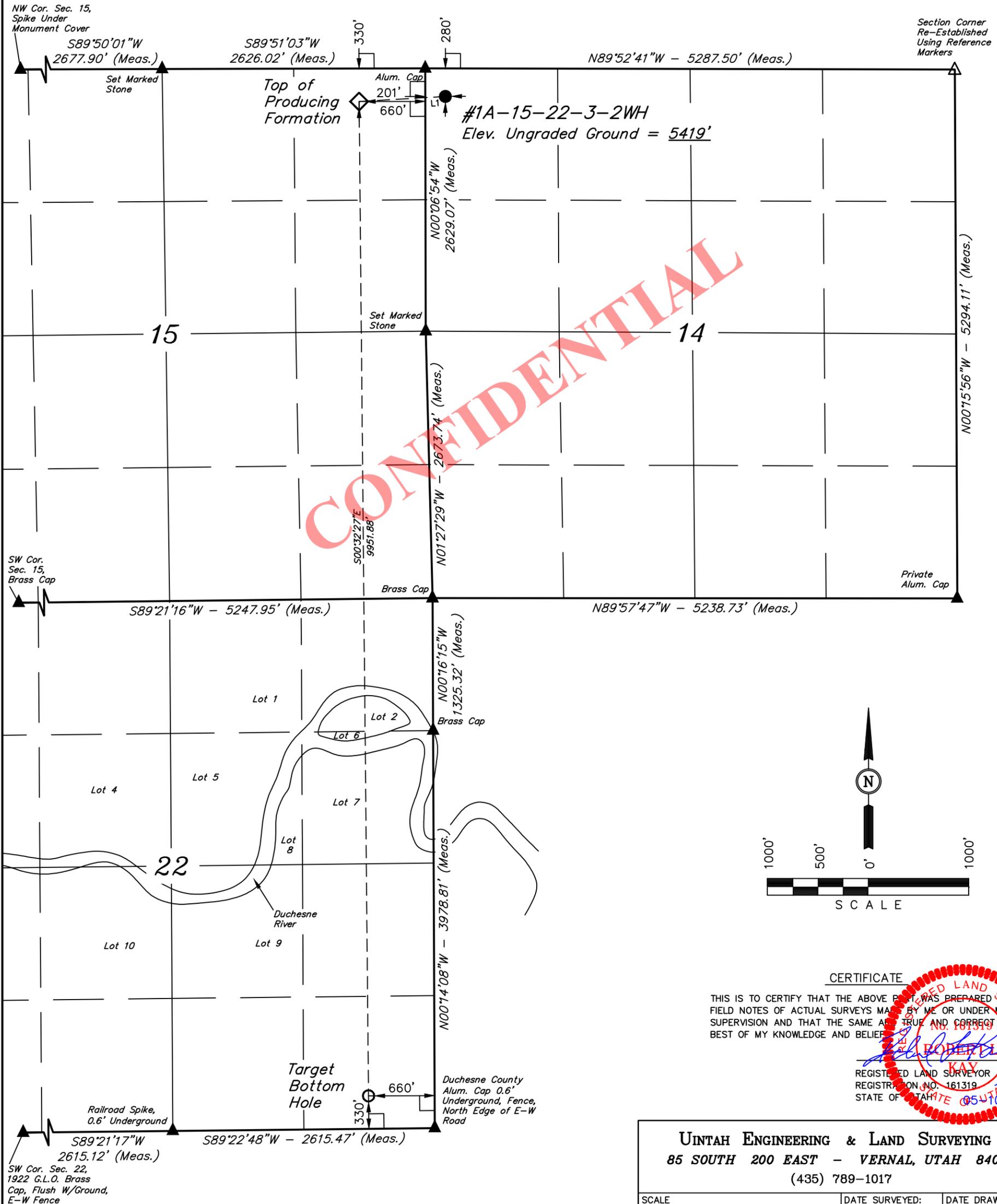
BASIS OF ELEVATION

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

BASIS OF BEARINGS

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

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S86°36'20"W	862.55'



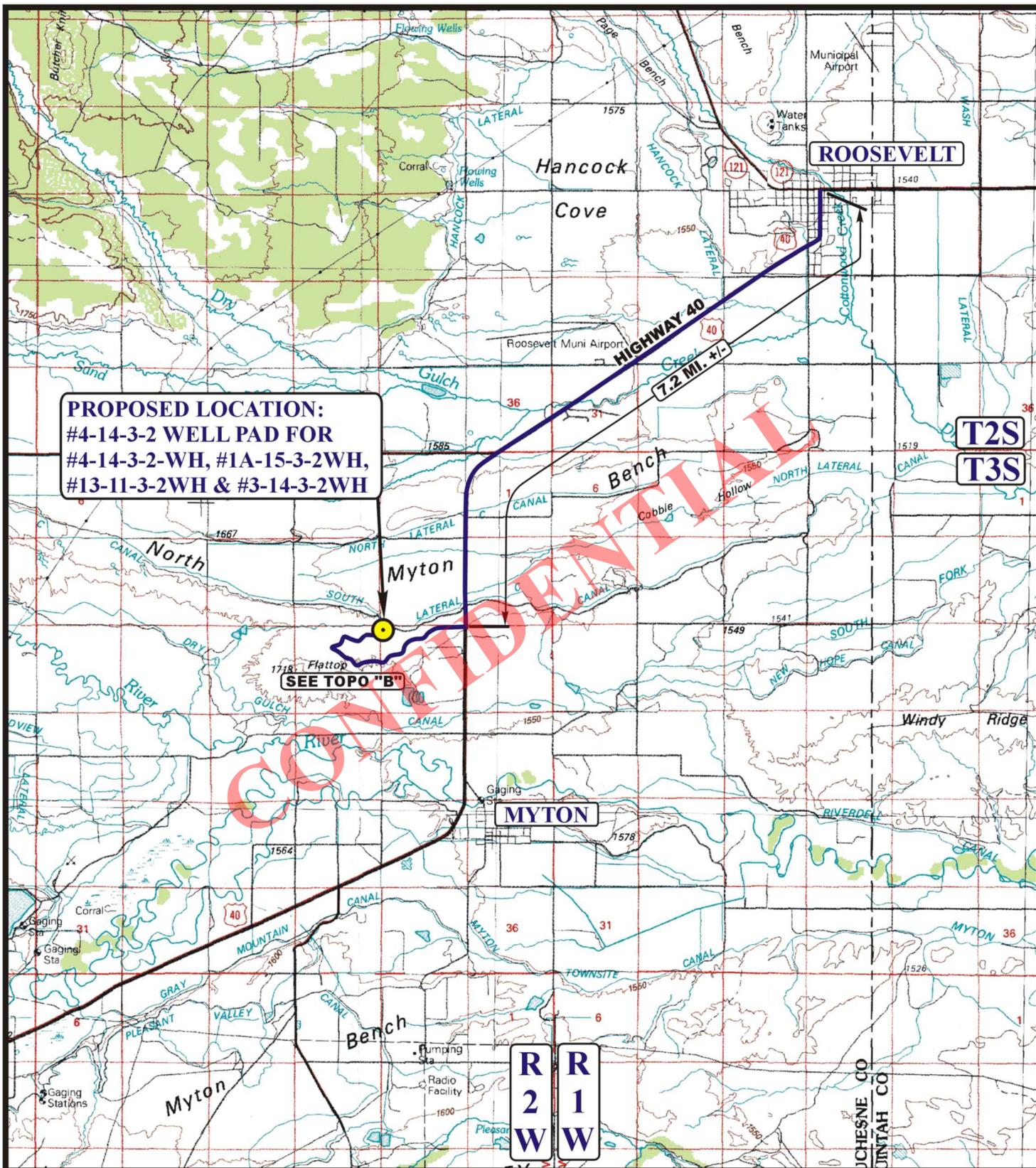
CERTIFICATE

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

ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 04-15-13	DATE DRAWN: 04-30-13
PARTY M.A. C.K. S.F.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	

NAD 83 (TARGET BOTTOM HOLE) LATITUDE = 40°12'04.82" (40.201339) LONGITUDE = 110°05'17.87" (110.088297)	NAD 83 (TOP OF PRODUCING FORMATION) LATITUDE = 40°13'43.14" (40.228650) LONGITUDE = 110°05'19.03" (110.088619)	NAD 83 (SURFACE LOCATION) LATITUDE = 40°13'43.64" (40.228789) LONGITUDE = 110°05'07.93" (110.085536)
NAD 27 (TARGET BOTTOM HOLE) LATITUDE = 40°12'04.96" (40.201378) LONGITUDE = 110°05'15.32" (110.087589)	NAD 27 (TOP OF PRODUCING FORMATION) LATITUDE = 40°13'43.28" (40.228689) LONGITUDE = 110°05'16.48" (110.087911)	NAD 27 (SURFACE LOCATION) LATITUDE = 40°13'43.78" (40.228828) LONGITUDE = 110°05'05.39" (110.084831)



**PROPOSED LOCATION:
#4-14-3-2 WELL PAD FOR
#4-14-3-2-WH, #1A-15-3-2WH,
#13-11-3-2WH & #3-14-3-2WH**

SEE TOPO "B"

**R
2
W** **R
1
W**

LEGEND:

● PROPOSED LOCATION

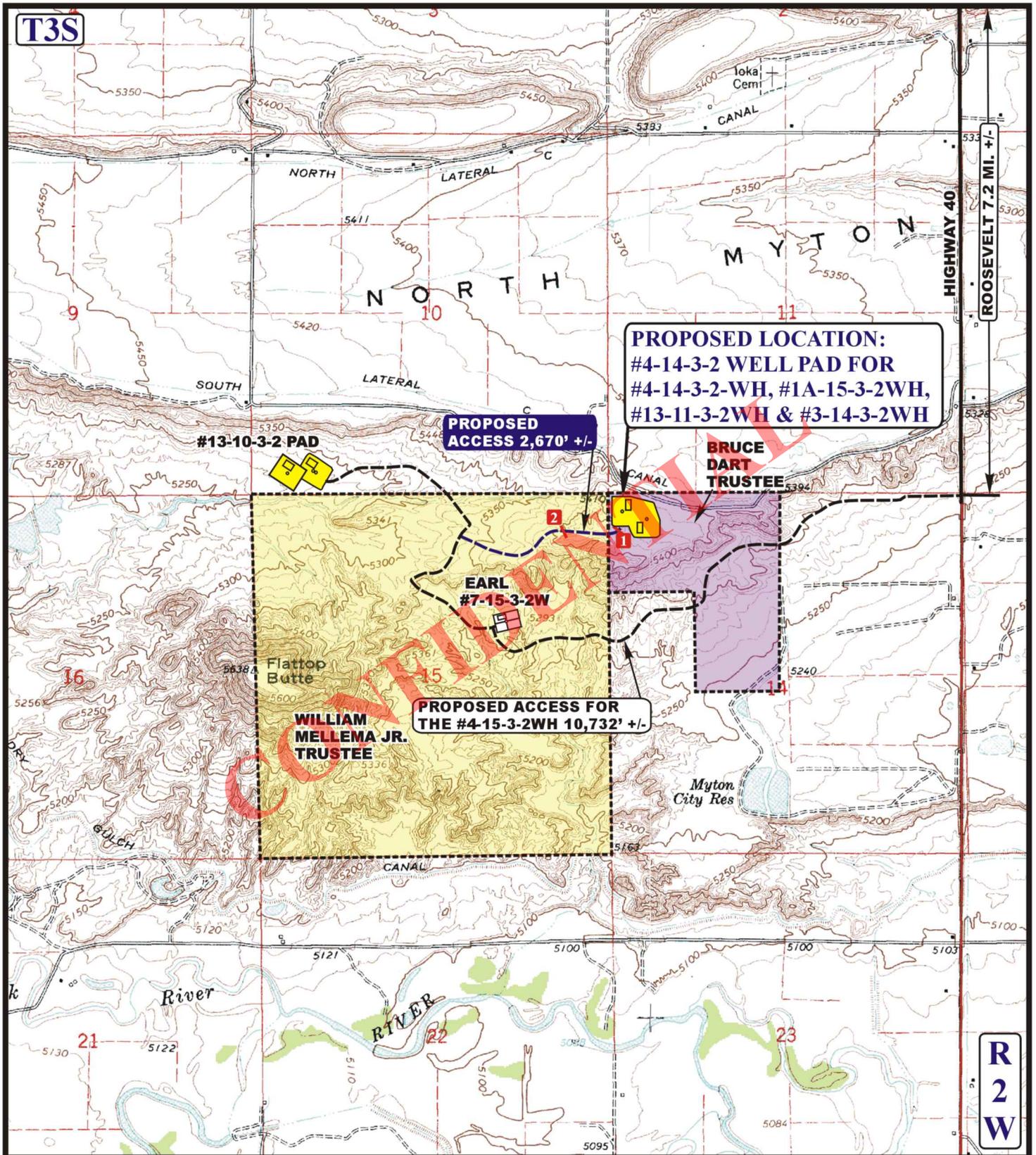
NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
#1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

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



ACCESS ROAD MAP **11** **20** **12**
MONTH DAY YEAR **A**
SCALE: 1:100,000 DRAWN BY: C.I. REV: 06-25-13 A.T. **TOPO**



**PROPOSED LOCATION:
#4-14-3-2 WELL PAD FOR
#4-14-3-2-WH, #1A-15-3-2WH,
#13-11-3-2WH & #3-14-3-2WH**

**PROPOSED
ACCESS 2,670' +/-**

**PROPOSED ACCESS FOR
THE #4-15-3-2WH 10,732' +/-**

LEGEND:

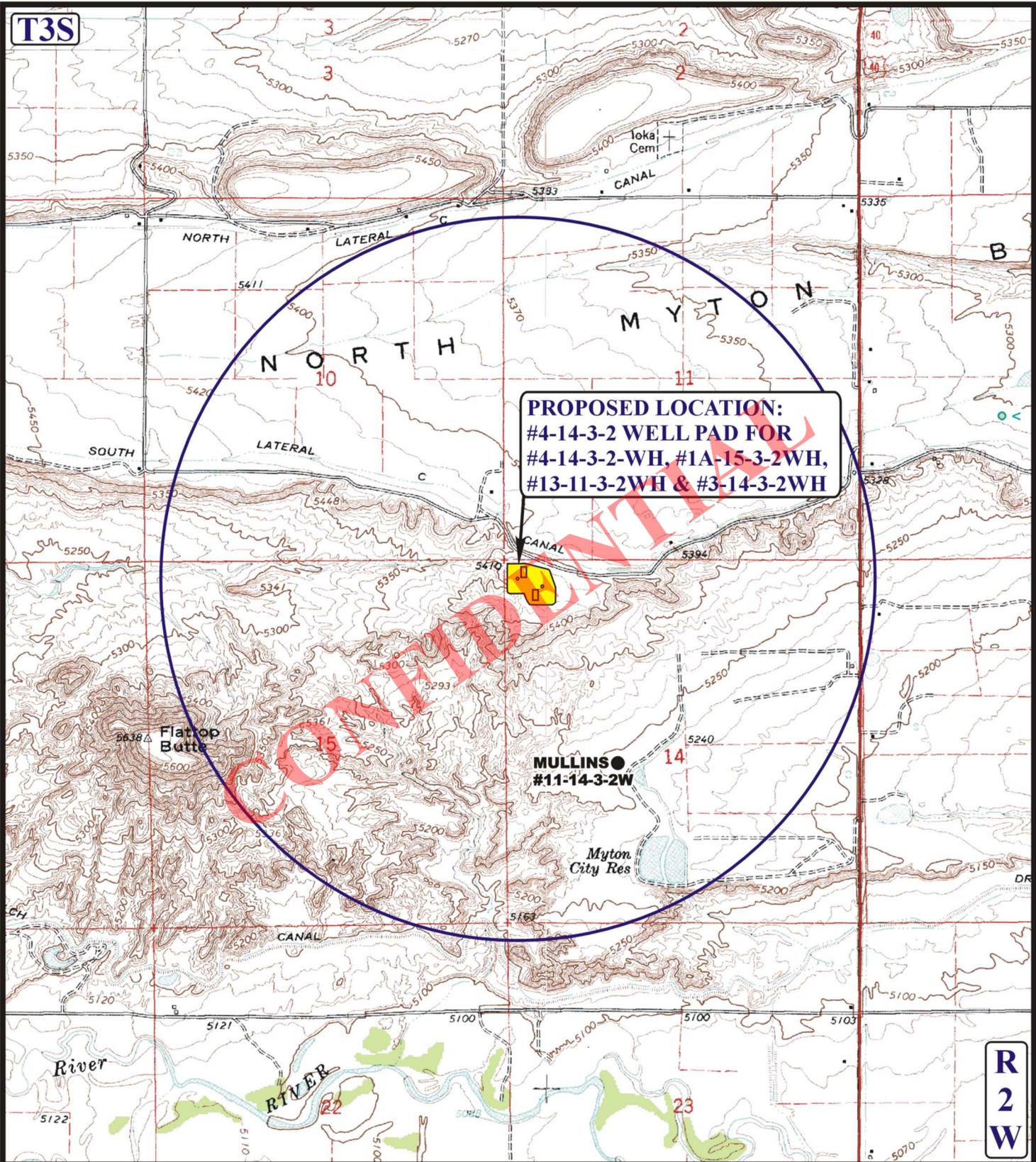
- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 1** 18" CMP REQUIRED
- 2** 24" CMP REQUIRED

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
#1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

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

**ACCESS ROAD
MAP** 11 20 12
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.I. REV: 06-25-13 A.T. **B
TOPO**



PROPOSED LOCATION:
 #4-14-3-2 WELL PAD FOR
 #4-14-3-2-WH, #1A-15-3-2WH,
 #13-11-3-2WH & #3-14-3-2WH

LEGEND:

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

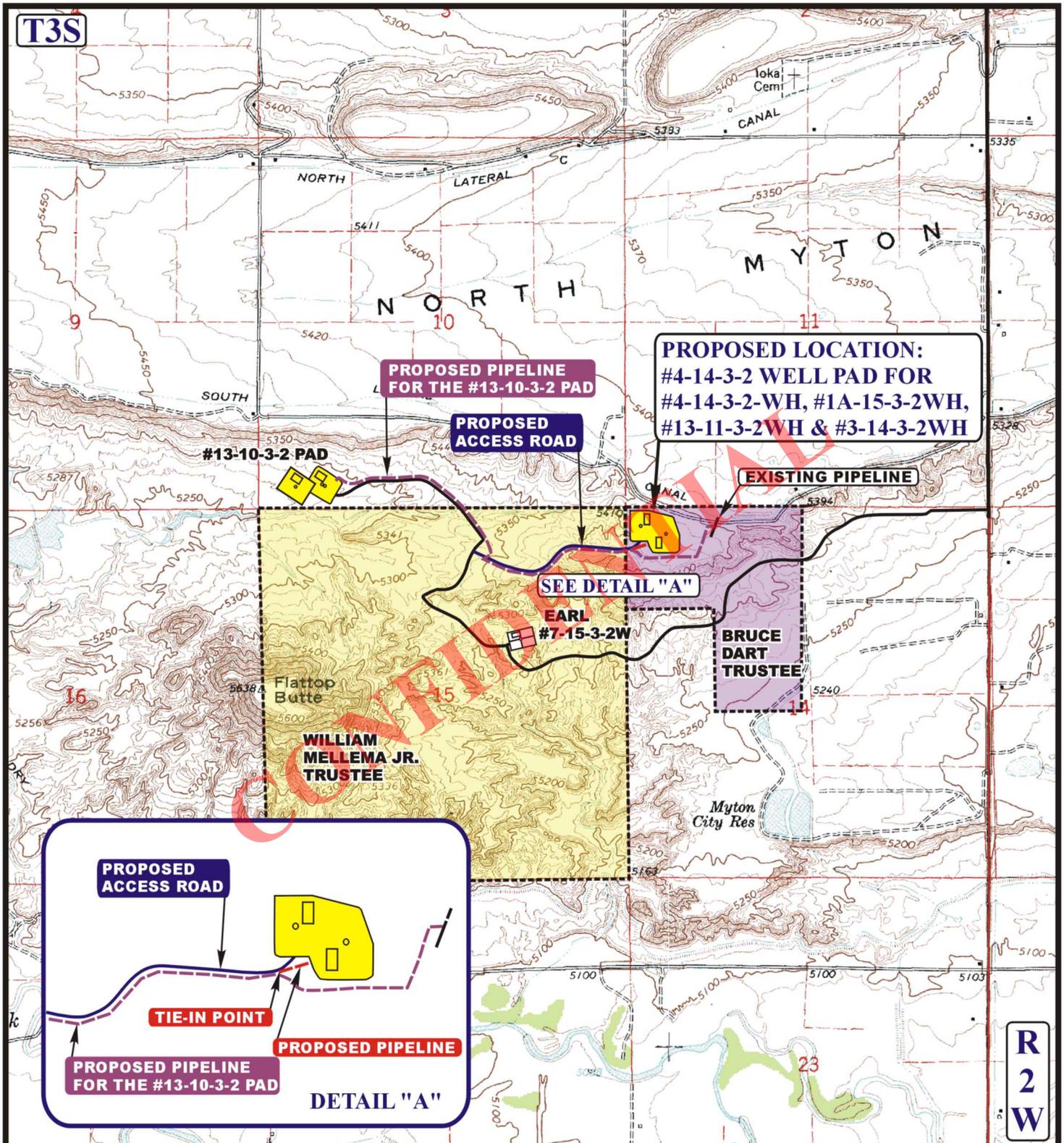
NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
 #1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4

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



TOPOGRAPHIC MAP 11 20 12
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.L. REV: 06-25-13 A.T. **C TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 209' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
#1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

U E L S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC MAP 11 20 12
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.I. REV: 06-25-13 A.T.

D
TOPO



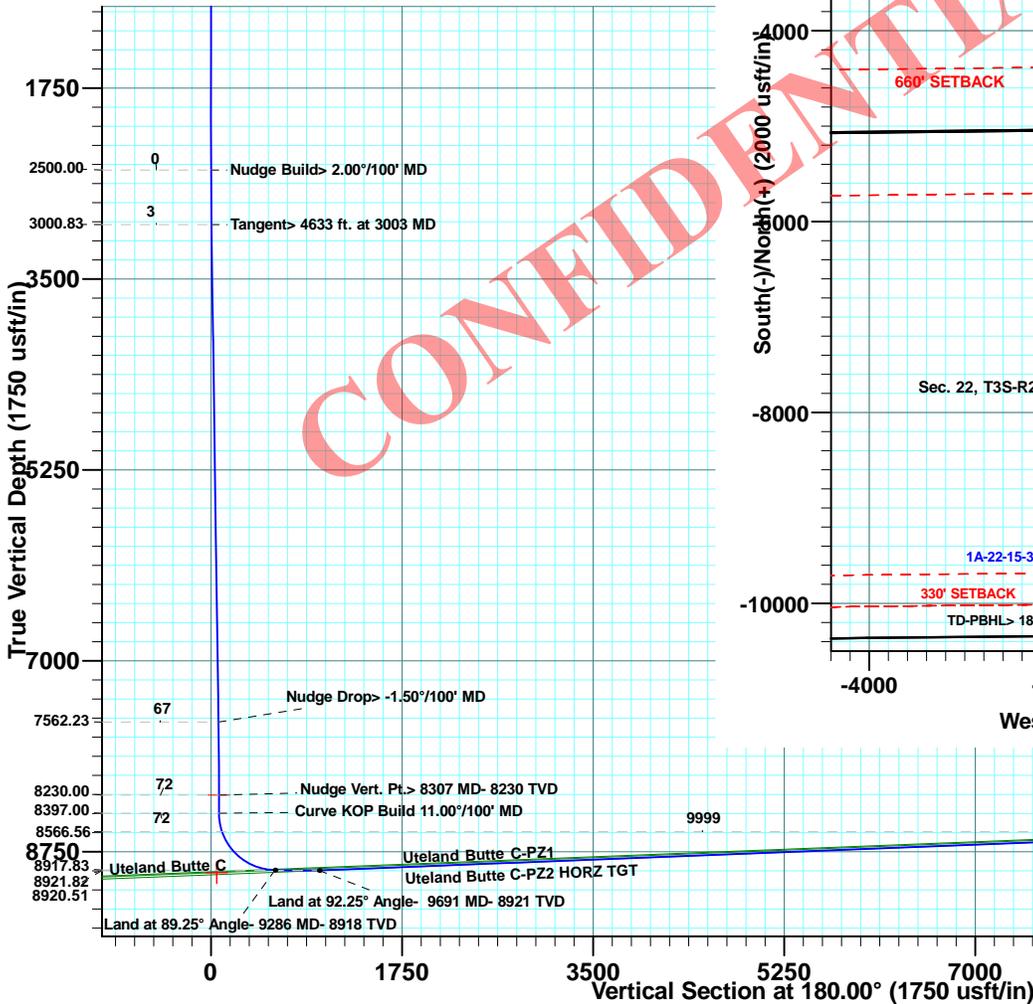
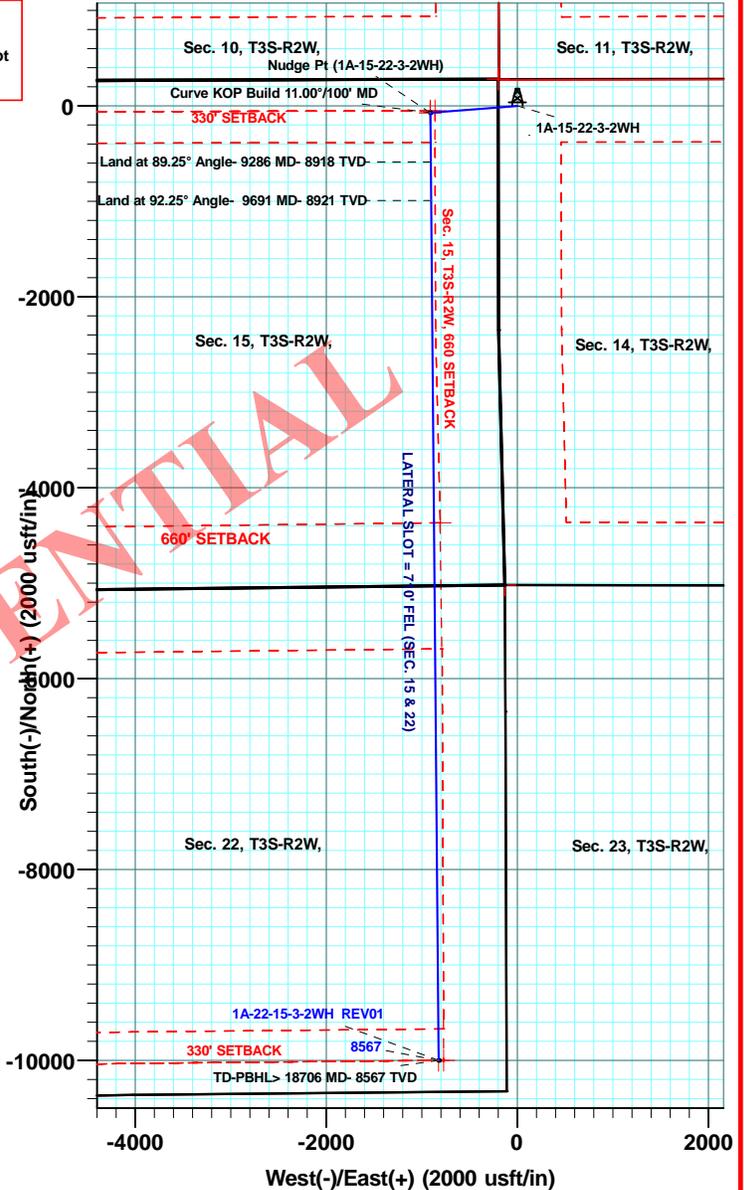
LEAM Drilling Systems, Inc.
 FOR
 NEWFIELD EXPLORATION ROCKY MOUNTAINS
 WELL: 1A-15-22-3-2WH (PLAN: REV01)
 DUCHESNE COUNTY, UTAH
 RIG NAME: RIG (KB= 28")
 MAY 29, 2013 -- WELL PLAN PLOT



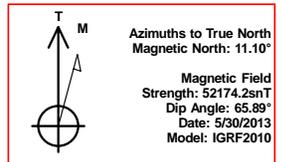
WELL DETAILS: 1A-15-22-3-2WH							Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	7255185.13	2035324.2940	13° 43.640 N	110° 5' 7.930 W		

PROJECT DETAILS: DUCHESNE COUNTY, UT (NAD 83)
 Geodetic System: US State Plane 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone
 System Datum: Mean Sea Level

SITE DETAILS: CENTRAL BASIN (NAD 83)
 Site Centre Latitude: 40° 13' 43.080 N
 Longitude: 110° 15' 32.490 W
 Positional Uncertainty: 0.00
 Convergence: 0.79
 Local North: True



SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	
3003.41	10.07	265.48	3000.83	-3.48	-43.98	2.00	265.48	3.48	
7636.16	10.07	265.48	7562.23	-67.36	-851.36	0.00	0.00	67.36	
8307.38	0.00	0.00	8230.00	-72.00	-910.00	1.50	180.00	72.00	
8474.38	0.00	0.00	8397.00	-72.00	-910.00	0.00	0.00	72.00	
9285.74	89.25	179.50	8917.83	-586.03	-905.51	11.00	179.50	586.03	
9590.74	89.25	179.50	8921.82	-891.00	-902.85	0.00	0.00	891.00	
9690.74	92.25	179.50	8920.51	-990.97	-901.98	3.00	0.00	990.97	
18706.41	92.25	179.50	8566.56	-9999.35	-823.37	0.00	0.00	9999.35	



Plan: 1A-22-15-3-2WH REV01 (1A-15-22-3-2WH/1A-15-22-3-2WH)
 Created By: Lynn Hulin Date: 14:39, May 29 2013
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Project	DUCHESNE COUNTY, UT (NAD 83),		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	CENTRAL BASIN (NAD 83)				
Site Position:	Northing:	7,254,409.48 usft	Latitude:	40° 13' 43.080 N	
From:	Lat/Long	Easting:	1,986,891.62 usft	Longitude:	110° 15' 32.490 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.79 °

Well	1A-15-22-3-2WH					
Well Position	+N-S	103.63 usft	Northing:	7,255,185.14 usft	Latitude:	40° 13' 43.640 N
	+E-W	48,438.78 usft	Easting:	2,035,324.29 usft	Longitude:	110° 5' 7.930 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	5,444.00 usft	Ground Level:	5,416.00 usft	

Wellbore	1A-15-22-3-2WH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/30/2013	11.10	65.89	52,174

Design	1A-22-15-3-2WH REV01				
Audit Notes:					
Version:	REV01	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	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	
3,003.41	10.07	265.48	3,000.83	-3.48	-43.98	2.00	2.00	0.00	265.48	
7,636.16	10.07	265.48	7,562.23	-67.36	-851.36	0.00	0.00	0.00	0.00	
8,307.38	0.00	0.00	8,230.00	-72.00	-910.00	1.50	-1.50	0.00	180.00	
8,474.38	0.00	0.00	8,397.00	-72.00	-910.00	0.00	0.00	0.00	0.00	
9,285.74	89.25	179.50	8,917.83	-586.03	-905.51	11.00	11.00	0.00	179.50	
9,590.74	89.25	179.50	8,921.82	-891.00	-902.85	0.00	0.00	0.00	0.00	
9,690.74	92.25	179.50	8,920.51	-990.97	-901.98	3.00	3.00	0.00	0.00	
18,706.41	92.25	179.50	8,566.56	-9,999.35	-823.37	0.00	0.00	0.00	0.00	TD-PBHL (1A-15-22-3-2WH)



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	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	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nudge Build> 2.00°/100' MD										
2,600.00	2.00	265.48	2,599.98	-0.14	-1.74	0.14	2.00	2.00	0.00	
2,700.00	4.00	265.48	2,699.84	-0.55	-6.96	0.55	2.00	2.00	0.00	
2,800.00	6.00	265.48	2,799.45	-1.24	-15.64	1.24	2.00	2.00	0.00	
2,900.00	8.00	265.48	2,898.70	-2.20	-27.79	2.20	2.00	2.00	0.00	
3,003.41	10.07	265.48	3,000.83	-3.48	-43.98	3.48	2.00	2.00	0.00	
Tangent> 4633 ft. at 3003 MD										
3,100.00	10.07	265.48	3,095.93	-4.81	-60.81	4.81	0.00	0.00	0.00	
3,200.00	10.07	265.48	3,194.39	-6.19	-78.24	6.19	0.00	0.00	0.00	
3,300.00	10.07	265.48	3,292.85	-7.57	-95.67	7.57	0.00	0.00	0.00	
3,400.00	10.07	265.48	3,391.31	-8.95	-113.10	8.95	0.00	0.00	0.00	
3,500.00	10.07	265.48	3,489.77	-10.33	-130.52	10.33	0.00	0.00	0.00	
3,600.00	10.07	265.48	3,588.23	-11.71	-147.95	11.71	0.00	0.00	0.00	
3,700.00	10.07	265.48	3,686.69	-13.08	-165.38	13.08	0.00	0.00	0.00	
3,800.00	10.07	265.48	3,785.15	-14.46	-182.81	14.46	0.00	0.00	0.00	
3,900.00	10.07	265.48	3,883.61	-15.84	-200.23	15.84	0.00	0.00	0.00	
4,000.00	10.07	265.48	3,982.07	-17.22	-217.66	17.22	0.00	0.00	0.00	
4,100.00	10.07	265.48	4,080.53	-18.60	-235.09	18.60	0.00	0.00	0.00	
4,200.00	10.07	265.48	4,178.99	-19.98	-252.52	19.98	0.00	0.00	0.00	
4,300.00	10.07	265.48	4,277.45	-21.36	-269.94	21.36	0.00	0.00	0.00	
4,400.00	10.07	265.48	4,375.91	-22.74	-287.37	22.74	0.00	0.00	0.00	
4,500.00	10.07	265.48	4,474.37	-24.12	-304.80	24.12	0.00	0.00	0.00	
4,600.00	10.07	265.48	4,572.83	-25.49	-322.23	25.49	0.00	0.00	0.00	
4,700.00	10.07	265.48	4,671.29	-26.87	-339.66	26.87	0.00	0.00	0.00	
4,800.00	10.07	265.48	4,769.75	-28.25	-357.08	28.25	0.00	0.00	0.00	
4,900.00	10.07	265.48	4,868.21	-29.63	-374.51	29.63	0.00	0.00	0.00	



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	10.07	265.48	4,966.67	-31.01	-391.94	31.01	0.00	0.00	0.00
5,100.00	10.07	265.48	5,065.13	-32.39	-409.37	32.39	0.00	0.00	0.00
5,200.00	10.07	265.48	5,163.59	-33.77	-426.79	33.77	0.00	0.00	0.00
5,300.00	10.07	265.48	5,262.05	-35.15	-444.22	35.15	0.00	0.00	0.00
5,400.00	10.07	265.48	5,360.51	-36.53	-461.65	36.53	0.00	0.00	0.00
5,500.00	10.07	265.48	5,458.97	-37.90	-479.08	37.90	0.00	0.00	0.00
5,600.00	10.07	265.48	5,557.43	-39.28	-496.50	39.28	0.00	0.00	0.00
5,700.00	10.07	265.48	5,655.89	-40.66	-513.93	40.66	0.00	0.00	0.00
5,800.00	10.07	265.48	5,754.35	-42.04	-531.36	42.04	0.00	0.00	0.00
5,900.00	10.07	265.48	5,852.81	-43.42	-548.79	43.42	0.00	0.00	0.00
6,000.00	10.07	265.48	5,951.27	-44.80	-566.22	44.80	0.00	0.00	0.00
6,100.00	10.07	265.48	6,049.73	-46.18	-583.64	46.18	0.00	0.00	0.00
6,200.00	10.07	265.48	6,148.19	-47.56	-601.07	47.56	0.00	0.00	0.00
6,300.00	10.07	265.48	6,246.65	-48.94	-618.50	48.94	0.00	0.00	0.00
6,400.00	10.07	265.48	6,345.11	-50.32	-635.93	50.32	0.00	0.00	0.00
6,500.00	10.07	265.48	6,443.57	-51.69	-653.35	51.69	0.00	0.00	0.00
6,600.00	10.07	265.48	6,542.03	-53.07	-670.78	53.07	0.00	0.00	0.00
6,700.00	10.07	265.48	6,640.49	-54.45	-688.21	54.45	0.00	0.00	0.00
6,800.00	10.07	265.48	6,738.95	-55.83	-705.64	55.83	0.00	0.00	0.00
6,900.00	10.07	265.48	6,837.41	-57.21	-723.06	57.21	0.00	0.00	0.00
7,000.00	10.07	265.48	6,935.87	-58.59	-740.49	58.59	0.00	0.00	0.00
7,100.00	10.07	265.48	7,034.33	-59.97	-757.92	59.97	0.00	0.00	0.00
7,200.00	10.07	265.48	7,132.79	-61.35	-775.35	61.35	0.00	0.00	0.00
7,300.00	10.07	265.48	7,231.25	-62.73	-792.78	62.73	0.00	0.00	0.00
7,400.00	10.07	265.48	7,329.71	-64.10	-810.20	64.10	0.00	0.00	0.00
7,500.00	10.07	265.48	7,428.17	-65.48	-827.63	65.48	0.00	0.00	0.00
7,600.00	10.07	265.48	7,526.63	-66.86	-845.06	66.86	0.00	0.00	0.00
7,636.16	10.07	265.48	7,562.23	-67.36	-851.36	67.36	0.00	0.00	0.00
Nudge Drop> -1.50°/100' MD									
7,700.00	9.11	265.48	7,625.18	-68.20	-861.96	68.20	1.50	-1.50	0.00
7,800.00	7.61	265.48	7,724.11	-69.35	-876.46	69.35	1.50	-1.50	0.00
7,900.00	6.11	265.48	7,823.39	-70.29	-888.36	70.29	1.50	-1.50	0.00
8,000.00	4.61	265.48	7,922.95	-71.03	-897.68	71.03	1.50	-1.50	0.00
8,100.00	3.11	265.48	8,022.72	-71.56	-904.39	71.56	1.50	-1.50	0.00
8,200.00	1.61	265.48	8,122.63	-71.88	-908.50	71.88	1.50	-1.50	0.00
8,307.38	0.00	0.00	8,230.00	-72.00	-910.00	72.00	1.50	-1.50	0.00
Nudge Vert. Pt.> 8307 MD- 8230 TVD									
8,400.00	0.00	0.00	8,322.62	-72.00	-910.00	72.00	0.00	0.00	0.00
8,474.38	0.00	0.00	8,397.00	-72.00	-910.00	72.00	0.00	0.00	0.00
Curve KOP Build 11.00°/100' MD									
8,500.00	2.82	179.50	8,422.61	-72.63	-909.99	72.63	11.00	11.00	0.00
8,550.00	8.32	179.50	8,472.36	-77.48	-909.95	77.48	11.00	11.00	0.00
8,600.00	13.82	179.50	8,521.41	-87.07	-909.87	87.07	11.00	11.00	0.00
8,650.00	19.32	179.50	8,569.31	-101.33	-909.74	101.33	11.00	11.00	0.00
8,700.00	24.82	179.50	8,615.63	-120.10	-909.58	120.10	11.00	11.00	0.00
8,750.00	30.32	179.50	8,659.94	-143.23	-909.38	143.23	11.00	11.00	0.00
8,800.00	35.82	179.50	8,701.82	-170.50	-909.14	170.50	11.00	11.00	0.00
8,850.00	41.32	179.50	8,740.90	-201.66	-908.87	201.66	11.00	11.00	0.00
8,900.00	46.82	179.50	8,776.81	-236.42	-908.57	236.42	11.00	11.00	0.00
8,950.00	52.32	179.50	8,809.23	-274.47	-908.23	274.47	11.00	11.00	0.00
9,000.00	57.82	179.50	8,837.85	-315.44	-907.88	315.44	11.00	11.00	0.00
9,050.00	63.32	179.50	8,862.41	-358.97	-907.50	358.97	11.00	11.00	0.00



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,100.00	68.82	179.50	8,882.68	-404.65	-907.10	404.65	11.00	11.00	0.00
9,150.00	74.32	179.50	8,898.48	-452.07	-906.68	452.07	11.00	11.00	0.00
9,200.00	79.82	179.50	8,909.67	-500.78	-906.26	500.78	11.00	11.00	0.00
9,213.08	81.26	179.50	8,911.82	-513.68	-906.15	513.68	11.00	11.00	0.00
Uteland Butte C									
9,250.00	85.32	179.50	8,916.13	-550.34	-905.83	550.34	11.00	11.00	0.00
9,285.74	89.25	179.50	8,917.83	-586.03	-905.51	586.03	11.00	11.00	0.00
Land at 89.25° Angle- 9286 MD- 8918 TVD									
9,300.00	89.25	179.50	8,918.01	-600.29	-905.39	600.29	0.00	0.00	0.00
9,307.67	89.25	179.50	8,918.11	-607.96	-905.32	607.96	0.00	0.00	0.00
Uteland Butte C-PZ1									
9,400.00	89.25	179.50	8,919.32	-700.28	-904.52	700.28	0.00	0.00	0.00
9,500.00	89.25	179.50	8,920.63	-800.26	-903.64	800.26	0.00	0.00	0.00
9,590.74	89.25	179.50	8,921.82	-891.00	-902.85	891.00	0.00	0.00	0.00
Curve Build> 3.00°/100' MD									
9,600.00	89.53	179.50	8,921.92	-900.25	-902.77	900.25	3.00	3.00	0.00
9,690.74	92.25	179.50	8,920.51	-990.97	-901.98	990.97	3.00	3.00	0.00
Land at 92.25° Angle- 9691 MD- 8921 TVD									
9,700.00	92.25	179.50	8,920.15	-1,000.22	-901.90	1,000.22	0.00	0.00	0.00
9,800.00	92.25	179.50	8,916.22	-1,100.14	-901.03	1,100.14	0.00	0.00	0.00
9,900.00	92.25	179.50	8,912.29	-1,200.06	-900.16	1,200.06	0.00	0.00	0.00
10,000.00	92.25	179.50	8,908.37	-1,299.98	-899.28	1,299.98	0.00	0.00	0.00
10,100.00	92.25	179.50	8,904.44	-1,399.90	-898.41	1,399.90	0.00	0.00	0.00
10,200.00	92.25	179.50	8,900.52	-1,499.82	-897.54	1,499.82	0.00	0.00	0.00
10,300.00	92.25	179.50	8,896.59	-1,599.74	-896.67	1,599.74	0.00	0.00	0.00
10,400.00	92.25	179.50	8,892.66	-1,699.65	-895.80	1,699.65	0.00	0.00	0.00
10,500.00	92.25	179.50	8,888.74	-1,799.57	-894.92	1,799.57	0.00	0.00	0.00
10,600.00	92.25	179.50	8,884.81	-1,899.49	-894.05	1,899.49	0.00	0.00	0.00
10,700.00	92.25	179.50	8,880.89	-1,999.41	-893.18	1,999.41	0.00	0.00	0.00
10,800.00	92.25	179.50	8,876.96	-2,099.33	-892.31	2,099.33	0.00	0.00	0.00
10,900.00	92.25	179.50	8,873.03	-2,199.25	-891.44	2,199.25	0.00	0.00	0.00
11,000.00	92.25	179.50	8,869.11	-2,299.17	-890.56	2,299.17	0.00	0.00	0.00
11,100.00	92.25	179.50	8,865.18	-2,399.09	-889.69	2,399.09	0.00	0.00	0.00
11,200.00	92.25	179.50	8,861.26	-2,499.01	-888.82	2,499.01	0.00	0.00	0.00
11,300.00	92.25	179.50	8,857.33	-2,598.93	-887.95	2,598.93	0.00	0.00	0.00
11,400.00	92.25	179.50	8,853.40	-2,698.85	-887.08	2,698.85	0.00	0.00	0.00
11,500.00	92.25	179.50	8,849.48	-2,798.76	-886.20	2,798.76	0.00	0.00	0.00
11,600.00	92.25	179.50	8,845.55	-2,898.68	-885.33	2,898.68	0.00	0.00	0.00
11,700.00	92.25	179.50	8,841.63	-2,998.60	-884.46	2,998.60	0.00	0.00	0.00
11,800.00	92.25	179.50	8,837.70	-3,098.52	-883.59	3,098.52	0.00	0.00	0.00
11,900.00	92.25	179.50	8,833.77	-3,198.44	-882.72	3,198.44	0.00	0.00	0.00
12,000.00	92.25	179.50	8,829.85	-3,298.36	-881.84	3,298.36	0.00	0.00	0.00
12,100.00	92.25	179.50	8,825.92	-3,398.28	-880.97	3,398.28	0.00	0.00	0.00
12,200.00	92.25	179.50	8,822.00	-3,498.20	-880.10	3,498.20	0.00	0.00	0.00
12,300.00	92.25	179.50	8,818.07	-3,598.12	-879.23	3,598.12	0.00	0.00	0.00
12,400.00	92.25	179.50	8,814.14	-3,698.04	-878.36	3,698.04	0.00	0.00	0.00
12,500.00	92.25	179.50	8,810.22	-3,797.96	-877.48	3,797.96	0.00	0.00	0.00
12,600.00	92.25	179.50	8,806.29	-3,897.87	-876.61	3,897.87	0.00	0.00	0.00
12,700.00	92.25	179.50	8,802.37	-3,997.79	-875.74	3,997.79	0.00	0.00	0.00
12,800.00	92.25	179.50	8,798.44	-4,097.71	-874.87	4,097.71	0.00	0.00	0.00
12,900.00	92.25	179.50	8,794.51	-4,197.63	-874.00	4,197.63	0.00	0.00	0.00



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.00	92.25	179.50	8,790.59	-4,297.55	-873.12	4,297.55	0.00	0.00	0.00
13,100.00	92.25	179.50	8,786.66	-4,397.47	-872.25	4,397.47	0.00	0.00	0.00
13,200.00	92.25	179.50	8,782.74	-4,497.39	-871.38	4,497.39	0.00	0.00	0.00
13,300.00	92.25	179.50	8,778.81	-4,597.31	-870.51	4,597.31	0.00	0.00	0.00
13,400.00	92.25	179.50	8,774.89	-4,697.23	-869.64	4,697.23	0.00	0.00	0.00
13,500.00	92.25	179.50	8,770.96	-4,797.15	-868.76	4,797.15	0.00	0.00	0.00
13,600.00	92.25	179.50	8,767.03	-4,897.07	-867.89	4,897.07	0.00	0.00	0.00
13,700.00	92.25	179.50	8,763.11	-4,996.99	-867.02	4,996.99	0.00	0.00	0.00
13,800.00	92.25	179.50	8,759.18	-5,096.90	-866.15	5,096.90	0.00	0.00	0.00
13,900.00	92.25	179.50	8,755.26	-5,196.82	-865.28	5,196.82	0.00	0.00	0.00
14,000.00	92.25	179.50	8,751.33	-5,296.74	-864.40	5,296.74	0.00	0.00	0.00
14,100.00	92.25	179.50	8,747.40	-5,396.66	-863.53	5,396.66	0.00	0.00	0.00
14,200.00	92.25	179.50	8,743.48	-5,496.58	-862.66	5,496.58	0.00	0.00	0.00
14,300.00	92.25	179.50	8,739.55	-5,596.50	-861.79	5,596.50	0.00	0.00	0.00
14,400.00	92.25	179.50	8,735.63	-5,696.42	-860.92	5,696.42	0.00	0.00	0.00
14,500.00	92.25	179.50	8,731.70	-5,796.34	-860.04	5,796.34	0.00	0.00	0.00
14,600.00	92.25	179.50	8,727.77	-5,896.26	-859.17	5,896.26	0.00	0.00	0.00
14,700.00	92.25	179.50	8,723.85	-5,996.18	-858.30	5,996.18	0.00	0.00	0.00
14,800.00	92.25	179.50	8,719.92	-6,096.10	-857.43	6,096.10	0.00	0.00	0.00
14,900.00	92.25	179.50	8,716.00	-6,196.01	-856.56	6,196.01	0.00	0.00	0.00
15,000.00	92.25	179.50	8,712.07	-6,295.93	-855.68	6,295.93	0.00	0.00	0.00
15,100.00	92.25	179.50	8,708.14	-6,395.85	-854.81	6,395.85	0.00	0.00	0.00
15,200.00	92.25	179.50	8,704.22	-6,495.77	-853.94	6,495.77	0.00	0.00	0.00
15,300.00	92.25	179.50	8,700.29	-6,595.69	-853.07	6,595.69	0.00	0.00	0.00
15,400.00	92.25	179.50	8,696.37	-6,695.61	-852.20	6,695.61	0.00	0.00	0.00
15,500.00	92.25	179.50	8,692.44	-6,795.53	-851.32	6,795.53	0.00	0.00	0.00
15,600.00	92.25	179.50	8,688.51	-6,895.45	-850.45	6,895.45	0.00	0.00	0.00
15,700.00	92.25	179.50	8,684.59	-6,995.37	-849.58	6,995.37	0.00	0.00	0.00
15,800.00	92.25	179.50	8,680.66	-7,095.29	-848.71	7,095.29	0.00	0.00	0.00
15,900.00	92.25	179.50	8,676.74	-7,195.21	-847.84	7,195.21	0.00	0.00	0.00
16,000.00	92.25	179.50	8,672.81	-7,295.12	-846.96	7,295.12	0.00	0.00	0.00
16,100.00	92.25	179.50	8,668.88	-7,395.04	-846.09	7,395.04	0.00	0.00	0.00
16,200.00	92.25	179.50	8,664.96	-7,494.96	-845.22	7,494.96	0.00	0.00	0.00
16,300.00	92.25	179.50	8,661.03	-7,594.88	-844.35	7,594.88	0.00	0.00	0.00
16,400.00	92.25	179.50	8,657.11	-7,694.80	-843.48	7,694.80	0.00	0.00	0.00
16,500.00	92.25	179.50	8,653.18	-7,794.72	-842.60	7,794.72	0.00	0.00	0.00
16,600.00	92.25	179.50	8,649.25	-7,894.64	-841.73	7,894.64	0.00	0.00	0.00
16,700.00	92.25	179.50	8,645.33	-7,994.56	-840.86	7,994.56	0.00	0.00	0.00
16,800.00	92.25	179.50	8,641.40	-8,094.48	-839.99	8,094.48	0.00	0.00	0.00
16,900.00	92.25	179.50	8,637.48	-8,194.40	-839.12	8,194.40	0.00	0.00	0.00
17,000.00	92.25	179.50	8,633.55	-8,294.32	-838.24	8,294.32	0.00	0.00	0.00
17,100.00	92.25	179.50	8,629.62	-8,394.23	-837.37	8,394.23	0.00	0.00	0.00
17,200.00	92.25	179.50	8,625.70	-8,494.15	-836.50	8,494.15	0.00	0.00	0.00
17,300.00	92.25	179.50	8,621.77	-8,594.07	-835.63	8,594.07	0.00	0.00	0.00
17,400.00	92.25	179.50	8,617.85	-8,693.99	-834.76	8,693.99	0.00	0.00	0.00
17,500.00	92.25	179.50	8,613.92	-8,793.91	-833.89	8,793.91	0.00	0.00	0.00
17,600.00	92.25	179.50	8,609.99	-8,893.83	-833.01	8,893.83	0.00	0.00	0.00
17,700.00	92.25	179.50	8,606.07	-8,993.75	-832.14	8,993.75	0.00	0.00	0.00
17,800.00	92.25	179.50	8,602.14	-9,093.67	-831.27	9,093.67	0.00	0.00	0.00
17,900.00	92.25	179.50	8,598.22	-9,193.59	-830.40	9,193.59	0.00	0.00	0.00
18,000.00	92.25	179.50	8,594.29	-9,293.51	-829.53	9,293.51	0.00	0.00	0.00
18,100.00	92.25	179.50	8,590.36	-9,393.43	-828.65	9,393.43	0.00	0.00	0.00



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,200.00	92.25	179.50	8,586.44	-9,493.34	-827.78	9,493.34	0.00	0.00	0.00
18,300.00	92.25	179.50	8,582.51	-9,593.26	-826.91	9,593.26	0.00	0.00	0.00
18,400.00	92.25	179.50	8,578.59	-9,693.18	-826.04	9,693.18	0.00	0.00	0.00
18,500.00	92.25	179.50	8,574.66	-9,793.10	-825.17	9,793.10	0.00	0.00	0.00
18,600.00	92.25	179.50	8,570.73	-9,893.02	-824.29	9,893.02	0.00	0.00	0.00
18,706.41	92.25	179.50	8,566.56	-9,999.35	-823.37	9,999.35	0.00	0.00	0.00
TD-PBHL> 18706 MD- 8567 TVD									

CONFIDENTIAL



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Design Targets

Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Sec. 22, T3S-R2W, 6'		0.00	0.00	0.00	-5,729.74	-4,711.88	7,249,381.60	2,030,703.61	40° 12' 47.010 N	110° 6' 8.670 W
- plan misses target center by 7418.34usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				0.00	0.00	0.00	7,249,381.60	2,030,703.61		
Point 2				0.00	43.08	3,924.50	7,249,486.74	2,034,626.93		
Point 3				0.00	-617.67	3,927.58	7,248,826.12	2,034,640.46		
Point 4				0.00	-3,939.61	3,939.90	7,245,504.79	2,034,705.31		
Point 5				0.00	-3,971.67	675.04	7,245,421.10	2,031,441.37		
Point 6				0.00	-3,979.65	28.73	7,245,402.90	2,030,795.26		
Point 7				0.00	0.00	0.00	7,249,381.60	2,030,703.61		
Sec. 15, T3S-R2W,		0.00	0.00	0.00	280.30	-201.65	7,255,462.21	2,035,118.24	40° 13' 46.410 N	110° 5' 10.530 W
- plan misses target center by 345.30usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				0.00	0.00	0.00	7,255,462.21	2,035,118.24		
Point 2				0.00	-2,627.82	5.41	7,252,834.81	2,035,165.20		
Point 3				0.00	-5,300.16	71.33	7,250,163.84	2,035,273.37		
Point 4				0.00	-5,357.26	-5,174.90	7,250,023.79	2,030,028.70		
Point 5				0.00	-12.55	-5,301.72	7,255,365.83	2,029,817.38		
Point 6				0.00	-5.92	-2,625.26	7,255,414.78	2,032,493.40		
Point 7				0.00	0.00	0.00	7,255,462.21	2,035,118.24		
Sec. 22, T3S-R2W,		0.00	0.00	0.00	-5,019.86	-130.32	7,250,163.84	2,035,273.37	40° 12' 54.030 N	110° 5' 9.610 W
- plan misses target center by 5021.55usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				0.00	0.00	0.00	7,250,163.84	2,035,273.37		
Point 2				0.00	-1,324.52	5.43	7,248,839.57	2,035,299.74		
Point 3				0.00	-5,302.15	20.15	7,244,862.67	2,035,377.36		
Point 4				0.00	-5,341.28	-3,898.87	7,244,761.58	2,031,459.45		
Point 5				0.00	-5,358.25	-5,208.57	7,244,723.90	2,030,150.18		
Point 6				0.00	-57.10	-5,246.23	7,250,023.79	2,030,028.69		
Point 7				0.00	0.00	0.00	7,250,163.84	2,035,273.37		
SEC. 14, T3S-R2W,		0.00	0.00	0.00	284.86	5,096.19	7,255,550.55	2,040,415.34	40° 13' 46.450 N	110° 4' 2.220 W
- plan misses target center by 5104.14usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				0.00	0.00	0.00	7,255,550.55	2,040,415.34		
Point 2				0.00	-5,310.27	10.40	7,250,241.11	2,040,509.71		
Point 3				0.00	-5,307.64	-2,608.45	7,250,202.33	2,037,891.14		
Point 4				0.00	-5,304.72	-5,226.51	7,250,163.85	2,035,273.36		
Point 5				0.00	-2,632.39	-5,292.43	7,252,834.80	2,035,165.19		
Point 6				0.00	-4.56	-5,297.83	7,255,462.22	2,035,118.24		
Point 7				0.00	-1.26	-1,340.94	7,255,528.09	2,039,074.58		
Point 8				0.00	0.00	0.00	7,255,550.55	2,040,415.34		
SEC. 14, T3S-R2W, 6'		0.00	0.00	0.00	-376.01	4,437.86	7,254,879.35	2,039,767.54	40° 13' 39.920 N	110° 4' 10.710 W
- plan misses target center by 4453.76usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				0.00	0.00	0.00	7,254,879.35	2,039,767.54		
Point 2				0.00	-3,988.78	7.70	7,250,891.19	2,039,838.31		
Point 3				0.00	-3,987.02	-1,949.40	7,250,862.00	2,037,881.43		
Point 4				0.00	-3,985.12	-3,924.34	7,250,832.67	2,035,906.70		
Point 5				0.00	-1,962.40	-3,974.80	7,252,854.34	2,035,824.26		
Point 6				0.00	-3.43	-3,977.94	7,254,813.02	2,035,790.15		
Point 7				0.00	-0.12	-681.73	7,254,868.45	2,039,085.89		
Point 8				0.00	0.00	0.00	7,254,879.35	2,039,767.54		
Sec. 15, T3S-R2W, 6'		0.00	0.00	0.00	-4,367.19	-806.73	7,250,805.73	2,034,586.72	40° 13' 0.480 N	110° 5' 18.330 W



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

- plan misses target center by 4441.08usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1	0.00	0.00	0.00	7,250,805.73	2,034,586.72				
Point 2	0.00	-43.08	-3,925.06	7,250,700.59	2,030,662.83				
Point 3	0.00	3,977.09	-4,021.24	7,254,718.74	2,030,503.09				
Point 4	0.00	3,981.84	-2,018.70	7,254,755.15	2,032,505.30				
Point 5	0.00	3,985.74	-53.38	7,254,790.13	2,034,470.31				
Point 6	0.00	2,011.59	-49.58	7,252,816.29	2,034,505.33				
Point 7	0.00	0.00	0.00	7,250,805.73	2,034,586.72				
Sec. 15, T3S-R2W, 3c	0.00	0.00	0.00	-60.10	-4,825.85	7,255,048.73	2,030,500.00	40° 13'	43.041 N 110° 6' 10.153 W
- plan misses target center by 4826.22usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1	0.00	0.00	0.00	7,255,048.73	2,030,500.00				
Point 2	0.00	4.76	2,002.33	7,255,085.16	2,032,502.00				
Point 3	0.00	8.66	3,967.63	7,255,120.13	2,034,466.99				
Point 4	0.00	8.66	3,967.63	7,255,120.13	2,034,466.99				
Point 5	0.00	4.76	2,002.33	7,255,085.16	2,032,502.00				
Point 6	0.00	0.00	0.00	7,255,048.73	2,030,500.00				
Sec. 22, T3S-R2W, 3c	0.00	0.00	0.00	-10,039.39	-4,685.63	7,245,072.90	2,030,798.00	40° 12'	4.419 N 110° 6' 8.321 W
- plan misses target center by 9397.05usft at 18706.41usft MD (8566.56 TVD, -9999.35 N, -823.37 E)									
- Polygon									
Point 1	0.00	0.00	0.00	7,245,072.90	2,030,798.00				
Point 2	0.00	7.98	646.21	7,245,091.10	2,031,444.00				
Point 3	0.00	40.05	3,911.12	7,245,174.79	2,034,707.99				
Point 4	0.00	40.05	3,911.12	7,245,174.79	2,034,707.99				
Point 5	0.00	7.98	646.21	7,245,091.10	2,031,444.00				
Point 6	0.00	0.00	0.00	7,245,072.90	2,030,798.00				
Sec. 11, T3S-R2W,	0.00	0.00	62.00	5,560.75	5,085.81	7,260,825.61	2,040,321.53	40° 14'	38.590 N 110° 4' 2.340 W
- plan misses target center by 7535.74usft at 62.00usft MD (62.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1	62.00	0.00	0.00	7,260,825.61	2,040,321.53				
Point 2	62.00	-5,275.85	20.62	7,255,550.75	2,040,425.57				
Point 3	62.00	-5,279.71	-1,320.32	7,255,525.68	2,039,084.86				
Point 4	62.00	-5,290.69	-5,277.20	7,255,452.13	2,035,128.65				
Point 5	62.00	-2,658.85	-5,290.82	7,258,083.43	2,035,073.41				
Point 6	62.00	-29.03	-5,309.07	7,260,712.63	2,035,013.58				
Point 7	62.00	-15.65	-2,647.94	7,260,768.09	2,037,674.16				
Point 8	62.00	0.00	0.00	7,260,825.61	2,040,321.53				
Sec. 11, T3S-R2W, 6c	0.00	0.00	62.00	4,898.87	4,426.84	7,260,153.39	2,039,673.11	40° 14'	32.050 N 110° 4' 10.840 W
- plan misses target center by 6602.71usft at 62.00usft MD (62.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1	62.00	0.00	0.00	7,260,153.39	2,039,673.11				
Point 2	62.00	-3,955.37	16.14	7,256,198.77	2,039,751.79				
Point 3	62.00	-3,956.81	-664.01	7,256,186.58	2,039,071.75				
Point 4	62.00	-3,965.51	-3,963.14	7,256,125.71	2,035,773.17				
Point 5	62.00	-1,991.37	-3,973.21	7,258,099.44	2,035,731.88				
Point 6	62.00	-22.29	-3,987.14	7,260,068.06	2,035,686.82				
Point 7	62.00	-12.23	-1,986.59	7,260,109.75	2,037,686.96				
Point 8	62.00	0.00	0.00	7,260,153.39	2,039,673.11				
Sec. 10, T3S-R2W,	0.00	0.00	64.00	5,542.02	-223.31	7,260,722.93	2,035,013.37	40° 14'	38.410 N 110° 5' 10.810 W
- plan misses target center by 5546.52usft at 64.00usft MD (64.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1	64.00	0.00	0.00	7,260,722.93	2,035,013.37				
Point 2	64.00	-2,629.83	18.26	7,258,093.72	2,035,073.21				
Point 3	64.00	-5,261.67	31.87	7,255,462.42	2,035,128.44				
Point 4	64.00	-5,272.68	-2,593.37	7,255,409.90	2,032,503.70				
Point 5	64.00	-5,284.51	-5,269.81	7,255,355.75	2,029,827.78				
Point 6	64.00	-28.86	-5,274.97	7,260,610.66	2,029,739.51				
Point 7	64.00	-9.00	-2,635.56	7,260,672.26	2,032,378.28				
Point 8	64.00	0.00	0.00	7,260,722.93	2,035,013.37				



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'_28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH		
Design:	1A-22-15-3-2WH REV01		

Sec. 10, T3S-R2W, 6E	0.00	0.00	64.00	4,881.28	-880.09	7,260,051.89	2,034,367.12	40° 14' 31.880 N	110° 5' 19.280 W
- plan misses target center by 4959.99usft at 64.00usft MD (64.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			64.00	0.00	0.00	7,260,051.89	2,034,367.12		
Point 2			64.00	-1,972.11	14.61	7,258,080.26	2,034,412.91		
Point 3			64.00	-3,942.21	24.57	7,256,110.56	2,034,454.02		
Point 4			64.00	-3,950.94	-1,940.63	7,256,070.76	2,032,489.21		
Point 5			64.00	-3,959.59	-3,955.47	7,256,030.25	2,030,474.75		
Point 6			64.00	-61.87	-3,959.17	7,259,927.42	2,030,409.42		
Point 7			64.00	-6.72	-1,976.52	7,260,013.92	2,032,390.95		
Point 8			64.00	0.00	0.00	7,260,051.89	2,034,367.12		
Nudge Pt (1A-15-22-3	0.00	0.00	8,230.00	-72.00	-910.00	7,255,098.75	2,034,415.54	40° 13' 42.928 N	110° 5' 19.663 W
- plan hits target center									
- Point									
TD--PLAT (1A-15-22-3	0.00	0.00	8,567.00	-9,999.21	-771.22	7,245,174.98	2,034,711.28	40° 12' 4.820 N	110° 5' 17.870 W
- plan misses target center by 52.15usft at 18706.41usft MD (8566.56 TVD, -9999.35 N, -823.37 E)									
- Circle (radius 10.00)									
TD-PBHL (1A-15-22-3	0.00	0.00	8,567.00	-9,999.35	-824.51	7,245,174.00	2,034,658.00	40° 12' 4.819 N	110° 5' 18.557 W
- plan misses target center by 1.23usft at 18706.38usft MD (8566.56 TVD, -9999.32 N, -823.37 E)									
- Circle (radius 10.00)									
Top Production (1A-15-22-3	0.00	0.00	8,941.00	-52.00	-910.00	7,255,118.75	2,034,415.22	40° 13' 43.126 N	110° 5' 19.663 W
- plan misses target center by 246.32usft at 8889.69usft MD (8769.68 TVD, -228.98 N, -908.63 E)									
- Point									
Top Prod.--PLAT (1A-15-22-3	0.00	0.00	8,941.00	-50.57	-860.88	7,255,120.96	2,034,464.31	40° 13' 43.140 N	110° 5' 19.030 W
- plan misses target center by 251.89usft at 8889.00usft MD (8769.20 TVD, -228.48 N, -908.63 E)									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
9,213.08	8,911.82	Uteland Butte C		-2.25	180.00	
9,307.67	8,918.11	Uteland Butte C-PZ1		-2.25	180.00	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
2,500.00	2,500.00	0.00	0.00	Nudge Build> 2.00°/100' MD	
3,003.41	3,000.83	-3.48	-43.98	Tangent> 4633 ft. at 3003 MD	
7,636.16	7,562.23	-67.36	-851.36	Nudge Drop> -1.50°/100' MD	
8,307.38	8,230.00	-72.00	-910.00	Nudge Vert. Pt.> 8307 MD- 8230 TVD	
8,474.38	8,397.00	-72.00	-910.00	Curve KOP Build 11.00°/100' MD	
9,285.74	8,917.83	-586.03	-905.51	Land at 89.25° Angle- 9286 MD- 8918 TVD	
9,590.74	8,921.82	-891.00	-902.85	Curve Build> 3.00°/100' MD	
9,690.74	8,920.51	-990.97	-901.98	Land at 92.25° Angle- 9691 MD- 8921 TVD	
18,706.41	8,566.56	-9,999.35	-823.37	TD-PBHL> 18706 MD- 8567 TVD	

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

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

1. My name is Peter Burns. 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 Aubrey 1A-15-22-3-2WH well with a surface location to be positioned in the NWNW of Section 14, Township 3 South, Range 2 West (the “Drillsite Location”), with a well bore point of entry in the NENE of Section 15, Township 3 South, Range 2 West and a bottom hole location to be positioned in the SESE of Section 22, Township 3 South, Range 2 West, Duchesne County, Utah. The surface owner of the Drillsite Location is Bruce Dart, Trustee whose address is Route 2, Box 2044, Roosevelt, UT 84066 (“Surface Owner”).
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated February 16, 2013 covering the Drillsite Location, access to the Drillsite Location, and the pipeline route to the pipeline connection point.

FURTHER AFFIANT SAYETH NOT.

Peter Burns

ACKNOWLEDGEMENT

STATE OF COLORADO	§
	§
COUNTY OF DENVER	§

Before me, a Notary Public, in and for the State, on this 26th day of June, 2013, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:

AFFIDAVIT OF EASEMENT AND RIGHT-OF-WAY

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

1. My name is Peter Burns. 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 Aubrey 1A-15-22-3-2WH, Nelson 3-14-3-2WH and Dart 13-11-3-2WH wells to be drilled from a pad location in the NWNW of Section 14, Township 3 South, Range 2 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of a portion of the access road and pipeline route is William Mellema, Jr. - Trustee, whose address is P.O. Box 1198, Parker, CO 80134-1198 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement and Right-of-Way dated September 20, 2012 covering the N/2 and SE/4SW/4 of Section 15, Township 3 South, Range 2 West, Duchesne County, Utah.

FURTHER AFFIANT SAYETH NOT.

Peter Burns

CONFIDENTIAL

ACKNOWLEDGEMENT

STATE OF COLORADO §
 §
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 26th day of June, 2013, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:

June 26, 2013

NEWFIELD



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

Newfield Exploration Company

1001 17th Street | Suite 2000
Denver, Colorado 80202
PH 303-893-0102 | FAX 303-893-0103

RE: Aubrey 1A-15-22-3-2WH
Township 3 South, Range 2 West, Sections 15 & 22
Duchesne County, Utah

Dear Mr. Hill,

Newfield Production Company ("Newfield") proposes to drill the Aubrey 1A-15-22-3-2WH from a surface location of 280' FNL and 201' FWL of Section 14, T3S R2W, to a bottom hole location of 330' FSL and 660' FEL of Section 22, T3S R2W.

The Aubrey 1A-15-22-3-2WH is covered by Order No. 139-98, which requires no portion of the producing interval of the horizontal lateral be closer than 330' from the northern or southern section boundaries and no closer than 660' from the eastern or western section boundaries, and requires proper surface and sub-surface authorization be obtained when the surface location is located off of the drilling unit.

In compliance with the above referenced Order, the top of the uppermost producing zone of the Aubrey 1A-15-22-3-2WH is 330' FNL and 660' FEL of 3S 2W Section 15. Newfield shall case and cement the Aubrey 1A-15-22-3-2WH wellbore from the surface location to the point where the wellbore reaches the legal setback, and the wellbore will only be completed within the legal setback. In the event a future recompletion outside of this setback is proposed, Newfield shall attempt to acquire consent from all the owners in Section 14 of T3S R2W, and shall file the appropriate application with the State. The bottom hole location of the Aubrey 1A-15-22-3-2WH is 330' FSL and 660' FEL of 3S 2W Sec 22, which is within the legal setback. In the event the horizontal lateral drifts east, Newfield will attempt to acquire consent from all owners in Sections 14 & 23 of T3S R2W and shall file the appropriate application with the State.

In further compliance of the above referenced Order, Newfield has obtained authorization from the surface owner of the drilling location, as is evidenced by the Affidavit of Easement, Right-of-Way and Surface Use Agreement attached to the APD. Newfield and its partners are the leasehold owners of the minerals underlying the surface location and all that portion of the wellbore of the Aubrey 1A-15-22-3-2WH lying outside the drilling unit.

Based on Newfield's compliance with the requirements of Order No. 139-98, Newfield respectfully requests the approval of our APD for the Aubrey 1A-15-22-3-2WH.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4466 or by email at rmiller@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink that reads "Robert N. Miller II". The signature is fluid and cursive.

Robert N. Miller II
Landman

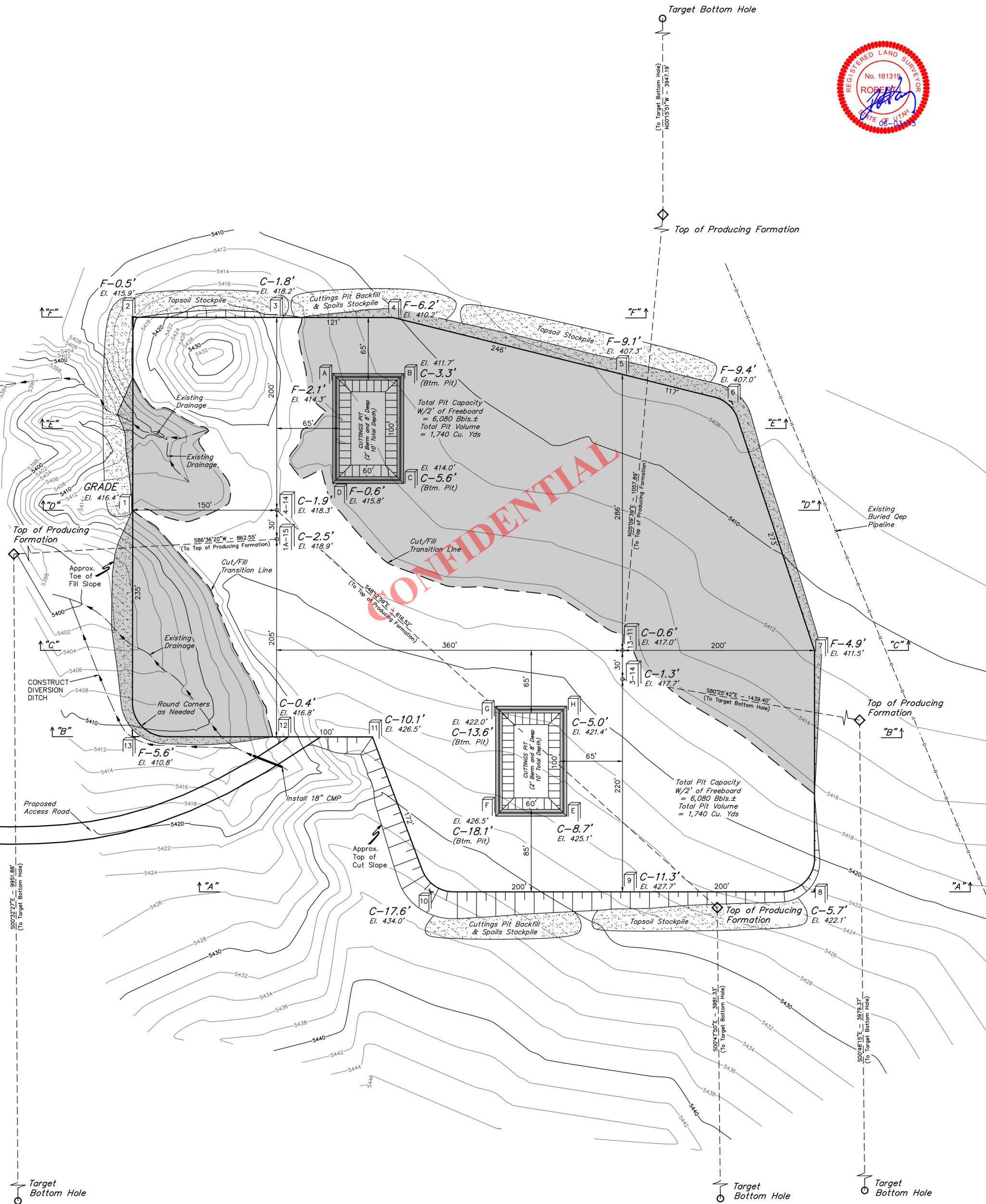
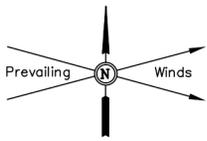
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT FOR

#4-14-3-2 WELL PAD
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

Aubrey 1A-15-22-3-2WH

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13



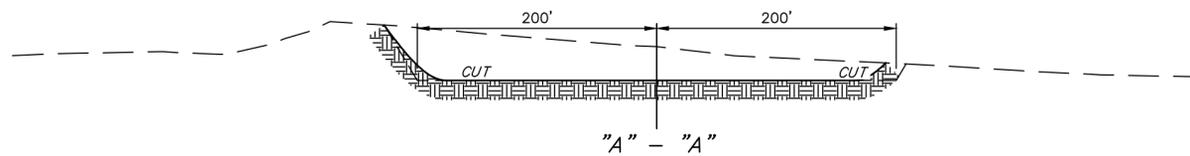
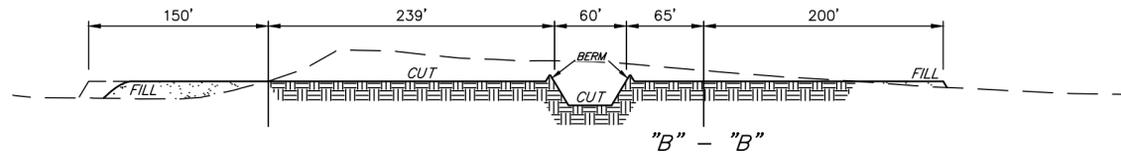
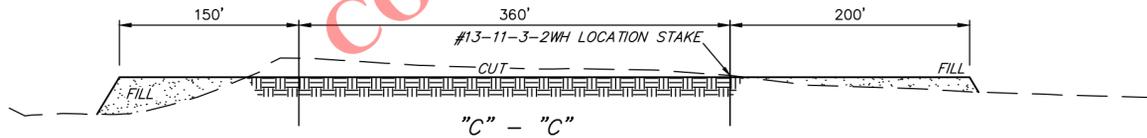
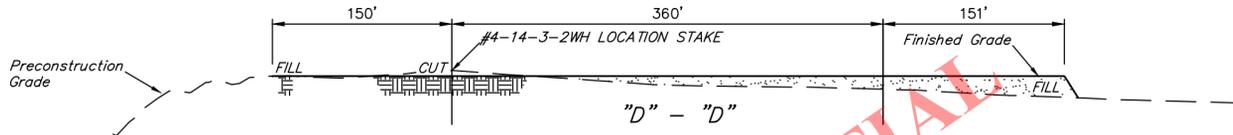
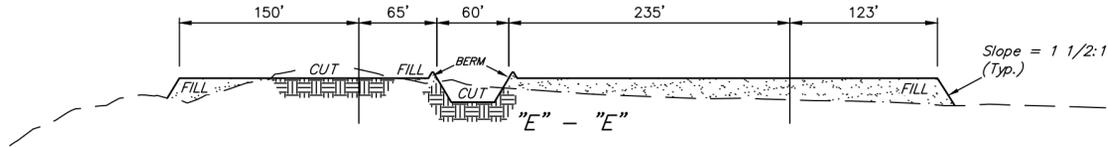
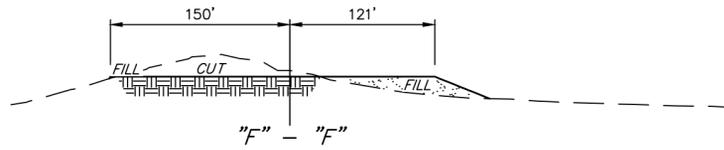
Elev. Ungraded Ground At #4-14-3-2WH Loc. Stake = 5418.3'
FINISHED GRADE ELEV. AT #4-14-3-2WH LOC. STAKE = 5416.4'

NEWFIELD EXPLORATION COMPANY
 TYPICAL CROSS SECTIONS FOR
 #4-14-3-2 WELL PAD
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4

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

DATE: 05-02-13
 DRAWN BY: S.F.

Aubrey 1A-15-22-3-2WH



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

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 6,900 Cu. Yds.
Remaining Location	= 34,870 Cu. Yds.
TOTAL CUT	= 41,770 CU. YDS.
FILL	= 33,130 CU. YDS.

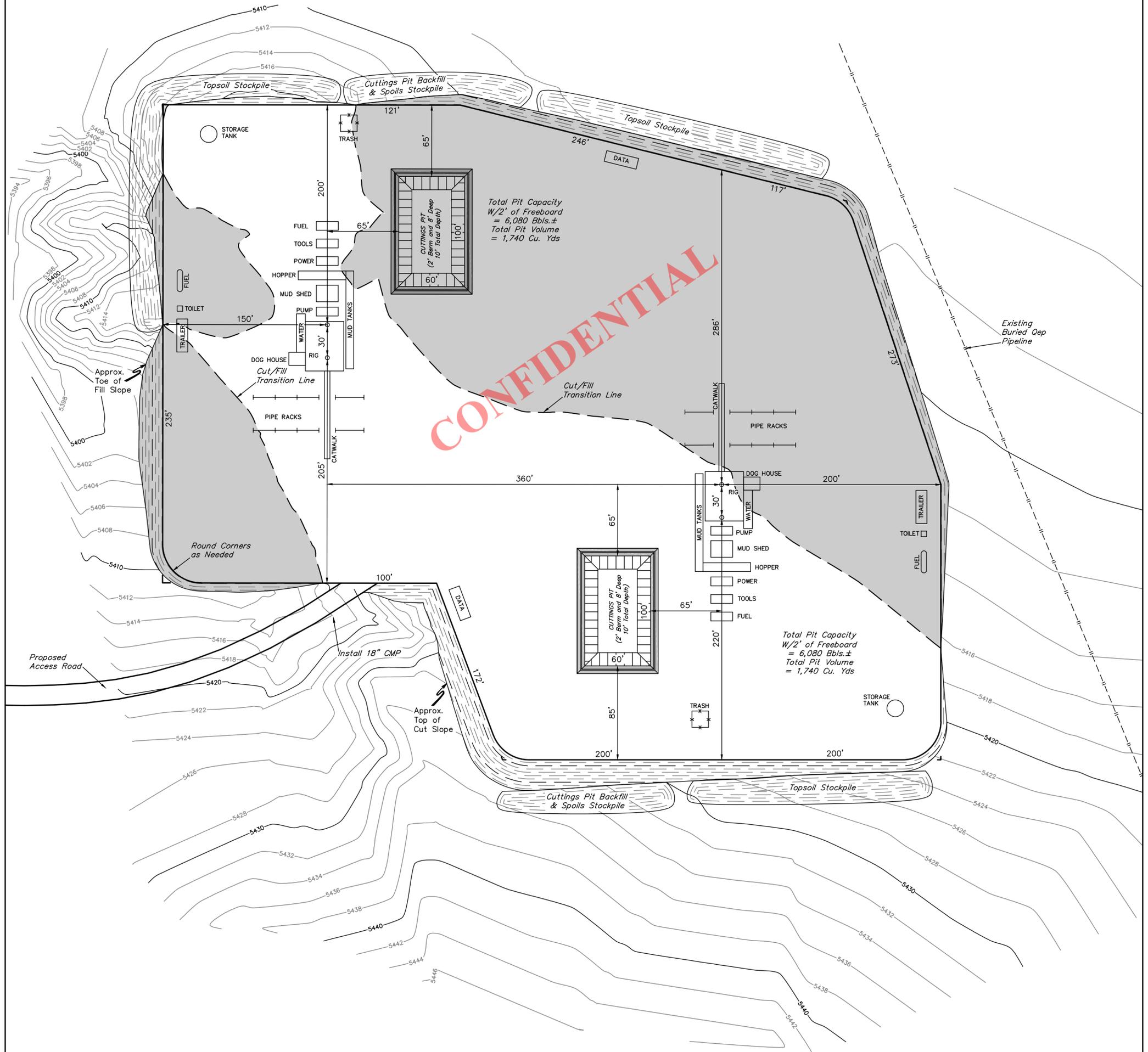
EXCESS MATERIAL	= 8,640 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,740 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

<u>APPROXIMATE ACREAGE</u>	
WELL SITE DISTURBANCE	= ± 10.751 ACRES
ACCESS ROAD DISTURBANCE	= ± 1.796 ACRES
PIPELINE DISTURBANCE	= ± 0.111 ACRES
TOTAL	= ± 12.658 ACRES

NEWFIELD EXPLORATION COMPANY
TYPICAL RIG LAYOUT FOR
#4-14-3-2 WELL PAD
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4



Aubrey 1A-15-22-3-2WH



CONFIDENTIAL

NEWFIELD EXPLORATION COMPANY

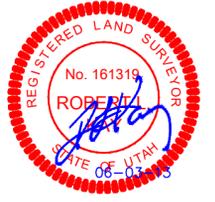
PRODUCTION FACILITY LAYOUT FOR

#4-14-3-2 WELL PAD
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13



Aubrey 1A-15-22-3-2WH

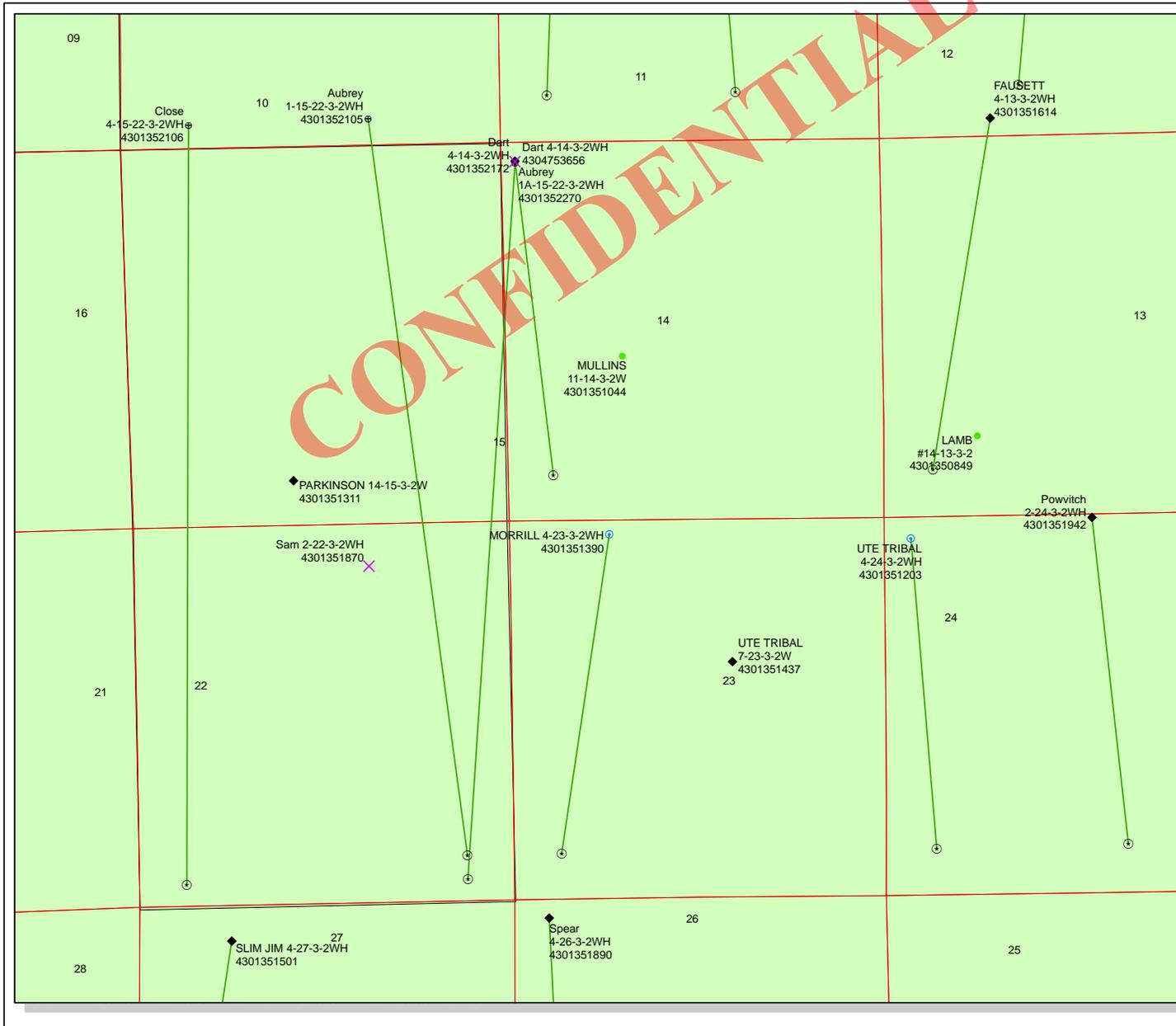


RECLAIMED AREA

APPROXIMATE ACREAGE
UN-RECLAIMED = ± 2.855 ACRES

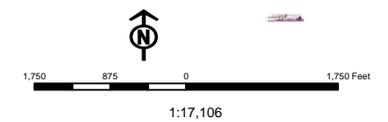
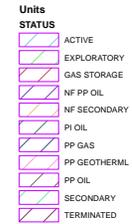
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

RECEIVED: June 27, 2013



API Number: 4301352270
Well Name: Aubrey 1A-15-22-3-2WH
Township T03.0S Range R02.0W Section 14
Meridian: UBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason



Well Name	NEWFIELD PRODUCTION COMPANY Aubrey 1A-15-22-3-2WH 43013			
String	COND	SURF	I1	PROD
Casing Size(")	20.000	13.375	9.625	5.500
Setting Depth (TVD)	60	1500	8297	8567
Previous Shoe Setting Depth (TVD)	0	60	1500	8297
Max Mud Weight (ppg)	8.3	8.3	11.0	14.5
BOPE Proposed (psi)	0	0	5000	5000
Casing Internal Yield (psi)	1000	2730	5750	12360
Operators Max Anticipated Pressure (psi)	6168			13.8

Calculations	COND String	20.000	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		0	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

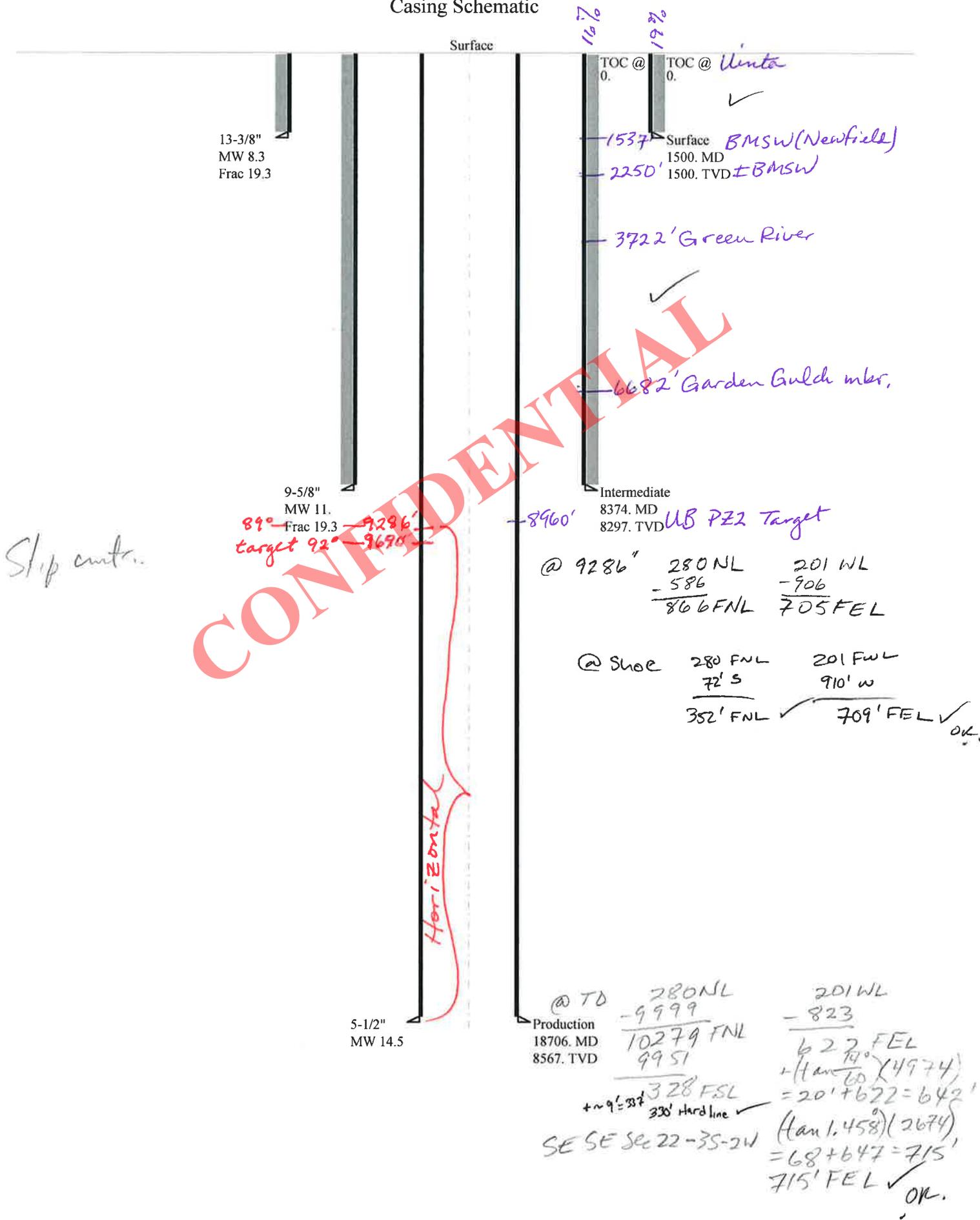
Calculations	SURF String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	647	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	467	NO air/fresh wtr
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	317	NO Reasonable depth
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	330	NO No expected pressure
Required Casing/BOPE Test Pressure=		1500	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	4746	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3750	YES 5M BOPE, 2 ram preventers, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2921	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3251	NO OK
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1500	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	6460	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	5432	NO 5M BOPE, 2 ram preventers, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4575	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	6401	YES OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5750	psi *Assumes 1psi/ft frac gradient

43013522700000 Aubry 1A-15-22-3-2WH

Casing Schematic



Well name:	43013522700000 Aubry 1A-15-22-3-2WH	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-52270
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 96 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,320 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,500 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 1,315 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,297 ft
Next mud weight: 11.000 ppg
Next setting BHP: 4,741 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,500 ft
Injection pressure: 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1500	13.375	54.50	J-55	ST&C	1500	1500	12.49	18612
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	649	1130	1.741	1500	2730	1.82	71.7	514	7.17 J

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

Phone: 801.538.5357
FAX: 501.359.3940

Date: August 14, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013522700000 Aubry 1A-15-22-3-2WH	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Intermediate	Project ID: 43-013-52270
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 11.000 ppg
Internal fluid density: 5.500 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 191 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 4,568 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 6,393 psi

Annular backup: 2.33 ppg

Tension:

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

Tension is based on buoyed weight.
Neutral point: 7,003 ft

Directional well information:

Kick-off point: 2500 ft
Departure at shoe: 913 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 0 °

Re subsequent strings:

Next setting depth: 8,567 ft
Next mud weight: 14.500 ppg
Next setting BHP: 6,453 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 8,297 ft
Injection pressure: 8,297 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8374	9.625	40.00	N-80	Buttress	8297	8374	8.75	114019
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2370	3090	1.304	5389	5750	1.07	277.6	916.3	3.30 B

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

Phone: 801.538.5357
FAX: 501.359.3940

Date: August 14, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8297 ft, a mud weight of 11 ppg. An internal gradient of .286 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	43013522700000 Aubry 1A-15-22-3-2WH	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-52270
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 14.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 195 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst

Max anticipated surface pressure: 4,568 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,453 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 6,746 ft

Directional well information:

Kick-off point 2500 ft
Departure at shoe: 10033 ft
Maximum dogleg: 11 °/100ft
Inclination at shoe: 92.25 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	18706	5.5	20.00	P-110	Buttress	8567	18706	4.653	155189
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	6453	11100	1.720	6531	12360	1.89	133.7	641.1	4.79 B

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

Phone: 801.538.5357
FAX: 501.359.3940

Date: August 14, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8567 ft, a mud weight of 14.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Aubrey 1A-15-22-3-2WH
API Number 43013522700000 **APD No** 8235 **Field/Unit** NORTH MYTON BENCH
Location: 1/4,1/4 NWNW **Sec** 14 **Tw** 3.0S **Rng** 2.0W 280 FNL 201 FWL
GPS Coord (UTM) 577797 4453543 **Surface Owner** Bruce Dart, Trustee

Participants

Bruce Dart - Landowner ; Jim Burns - Starpoint ; Forrest Bird, Mandie Crozier, Matt Barber - NFX; Kyle Gardiner - Uintah Engineering

Regional/Local Setting & Topography

This is another well on an existing pad previously permitted. It is planned to add an additional pad immediately adjacent with the addition of 2 more wells. The total disturbance will approximate 2 1/2 to 3 pads in area.

Original write up of the 4-14-3-2WH:

The location is proposed on fallow grazing lands on the edge of the North Myton Bench. Drainages from the bench impact the site in two places. The area is rather barren of vegetation and the soils are clays. There are numerous eroded knolls and slight swales with an historic floodplain below. The location is one mile West of Highway 40 and 2 1/2 miles North of Myton just off Dart lane. The region is comprised of benches of differing levels and floodplains from the Duchesne River that has moved from its historic route. The soils are highly erodible and vegetation is sparse with the exception of the floodplains that are quite productive farmlands. Occasional buttes and numerous deep cut erosional features describe the region that is experiencing rapid growth in petroleum development.

Surface Use Plan

Current Surface Use

Grazing
Wildlife Habitat

New Road Miles

2.1

Well Pad

Width 400 **Length** 700

Src Const Material

Offsite

Surface Formation

UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

High desert shrubland ecosystem. Expected vegetation consists of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.

Dominant vegetation;

Galletta, mat atriplex and broom snake weed

Wildlife;

Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits. Wild turkeys have moved in and were encountered multiple times.

DWR did not respond with comments / issues

Soil Type and Characteristics

Heavy light colored clay soils

Erosion Issues Y

highly erodible soils

Sedimentation Issues Y

Site Stability Issues N

Drainage Diversion Required? Y

Berm Required? Y

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	200 to 300	10	
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	Present	15	
	Final Score	90	1 Sensitivity Level

Characteristics / Requirements

Operator intends to use an oil based drilling mud and is therefore required to use a closed loop system. If a reserve pit and freshwater is used, 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

2 pads are to built immediately adjacent and connected and other lands graded to make roughly a square. It will have 2 pits etc.

Chris Jensen
Evaluator

7/25/2013
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
8235	43013522700000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD	Bruce Dart, Trustee	
Well Name	Aubrey 1A-15-22-3-2WH		Unit		
Field	NORTH MYTON BENCH		Type of Work	DRILL	
Location	NWNW 14 3S 2W U 280 FNL	201 FWL	GPS Coord		
	(UTM) 577799E	4453547N			

Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 1,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,250'. A search of Division of Water Rights records shows 10 water wells within a 10,000 foot radius of the center of Section 14. All wells are privately owned. Depth is listed as ranging from 30 to 300 feet. Average depth is approximately 100 feet. Water use is listed as irrigation, stock watering, and domestic. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Intermediate casing cement should be brought up to or above the estimated base of the moderately saline ground water.

Brad Hill
APD Evaluator

8/7/2013
Date / Time

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window typical of a horizontal well. Access road enters the pad from the east. The landowner was in attendance for the pre-site inspection.

The soil type and topography at present do combine to pose a small threat to erosion or sediment/ pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Operator has plans to use a closed loop system an oil based mud not indicated on plans.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The location was previously surveyed for cultural and paleontological resources as the operator saw fit. I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. A diversion is to be built sufficient to conduct overland or channel flow according to plans submitted. Interim reclamation to begin at completion of drilling according to landowner agreements and as shown on plans submitted.

Chris Jensen
Onsite Evaluator

7/25/2013
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 cuttings pit.
Pits	A closed loop mud circulation system is required for this location.
Surface	Interim reclamation to begin after drilling completion according to plans submitted and surface owner agreements
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues
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.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/27/2013

API NO. ASSIGNED: 43013522700000

WELL NAME: Aubrey 1A-15-22-3-2WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 14 030S 020W

Permit Tech Review:

SURFACE: 0280 FNL 0201 FWL

Engineering Review:

BOTTOM: 0330 FSL 0660 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.22874

LONGITUDE: -110.08552

UTM SURF EASTINGS: 577799.00

NORTHINGS: 4453547.00

FIELD NAME: NORTH MYTON BENCH

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-6269

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

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 139-98
- Effective Date: 12/14/2012
- Siting: 4 HORIZ WELLS PER 1280 ACRES
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill
 4 - Federal Approval - dmason
 5 - Statement of Basis - bhill
 8 - Cement to Surface -- 2 strings - hmadonald
 27 - Other - bhill



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: Aubrey 1A-15-22-3-2WH
API Well Number: 43013522700000
Lease Number: 14-20-H62-6269
Surface Owner: FEE (PRIVATE)
Approval Date: 9/25/2013

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 139-98. The expected producing formation or pool is the GREEN RIVER 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.

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from

actual hole diameters in order to place cement from the pipe setting depths back to the surface.

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

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 03 2013

BLM

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. 1420H626269
6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
7. If Unit or CA Agreement, Name and No.
8. Lease Name and Well No. AUBREY 1A-15-22-3-2WH
9. API Well No. 4301352270
10. Field and Pool, or Exploratory UNDESIGNATED

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

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2. Name of Operator: NEWFIELD EXPLORATION COMPANY
Contact: DON HAMILTON
Email: starpoint@etv.net

3a. Address: ROUTE 3 BOX 3630 MYTON, UT 84052

3b. Phone No. (include area code)
Ph: 435-719-2018
Fx: 435-719-2019

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

At surface: NWNW 280FNL 201FWL 40.228789 N Lat, 110.085536 W Lon

At proposed prod. zone: SESE 330FSL 660FEL 40.201339 N Lat, 110.088297 W Lon *see*

14. Distance in miles and direction from nearest town or post office*
9.7 MILES SOUTHWEST OF ROOSEVELT, UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
201

16. No. of Acres in Lease
4130.84

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
NONE

19. Proposed Depth
18706 MD
8566 TVD

21. Elevations (Show whether DF, KB, RT, GL, etc.)
5419 GL

22. Approximate date work will start
07/01/2013

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 14 T3S R2W Mer UBM
SME: FEE

12. County or Parish
DUCHESNE

13. State
UT

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): [Signature]
Name (Printed/Typed): DON HAMILTON Ph: 435-719-2018
Date: 06/27/2013

Title: PERMITTING AGENT

Approved by (Signature): [Signature]
Name (Printed/Typed): Jerry Kenczka
Date: OCT 21 2013

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.

RECEIVED
OCT 28 2013

Additional Operator Remarks (see next page)

Electronic Submission #211992 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 07/03/2013 (13JM108)

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

** 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 EXPLORATION COMPANY	Location:	NWNW, Sec. 14, T3S, R2W
Well No:	AUBREY 1A-15-22-3-2WH	Lease No:	14-20-H62-6269
API No:	43-013-52270	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)***

- It is recommend that Newfield consult with the Utah Division of Wildlife Resources to minimize impacts to birds, particularly protected under the Migratory Bird Treaty Act and to ensure compliance with Federal and State laws protecting Migratory Birds.
- Newfield will not pump surface water from the Green River. Specifically, for Newfield's development, water collection wells will be connected to a centralized pumping station via underground waterlines. The water wells will be developed using conventional drilling methods. Each well will extend to a depth of approximately 100 feet below the surface.

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

SITE SPECIFIC DOWNHOLE COAs:

- Cement for the intermediate casing will be brought to a minimum of 200 feet above the surface casing shoe.
- A CBL shall be run in the intermediate casing to TOC.
- Variances to OO2, Section III.E shall be granted as requested regarding the air drilling program for the surface hole.
- Cement samples shall be caught for all stages of cement work for the Surface and Intermediate casing strings and tested for compressive strength. The results of the tests shall be reported with the completion report.

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 by CD (compact disc). 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 (¼¼, 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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6269
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: Aubrey 1A-15-22-3-2WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013522700000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202	PHONE NUMBER: 303 382-4443 Ext
9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH	4. LOCATION OF WELL FOOTAGES AT SURFACE: 0250 FNL 0201 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U
	COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/14/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

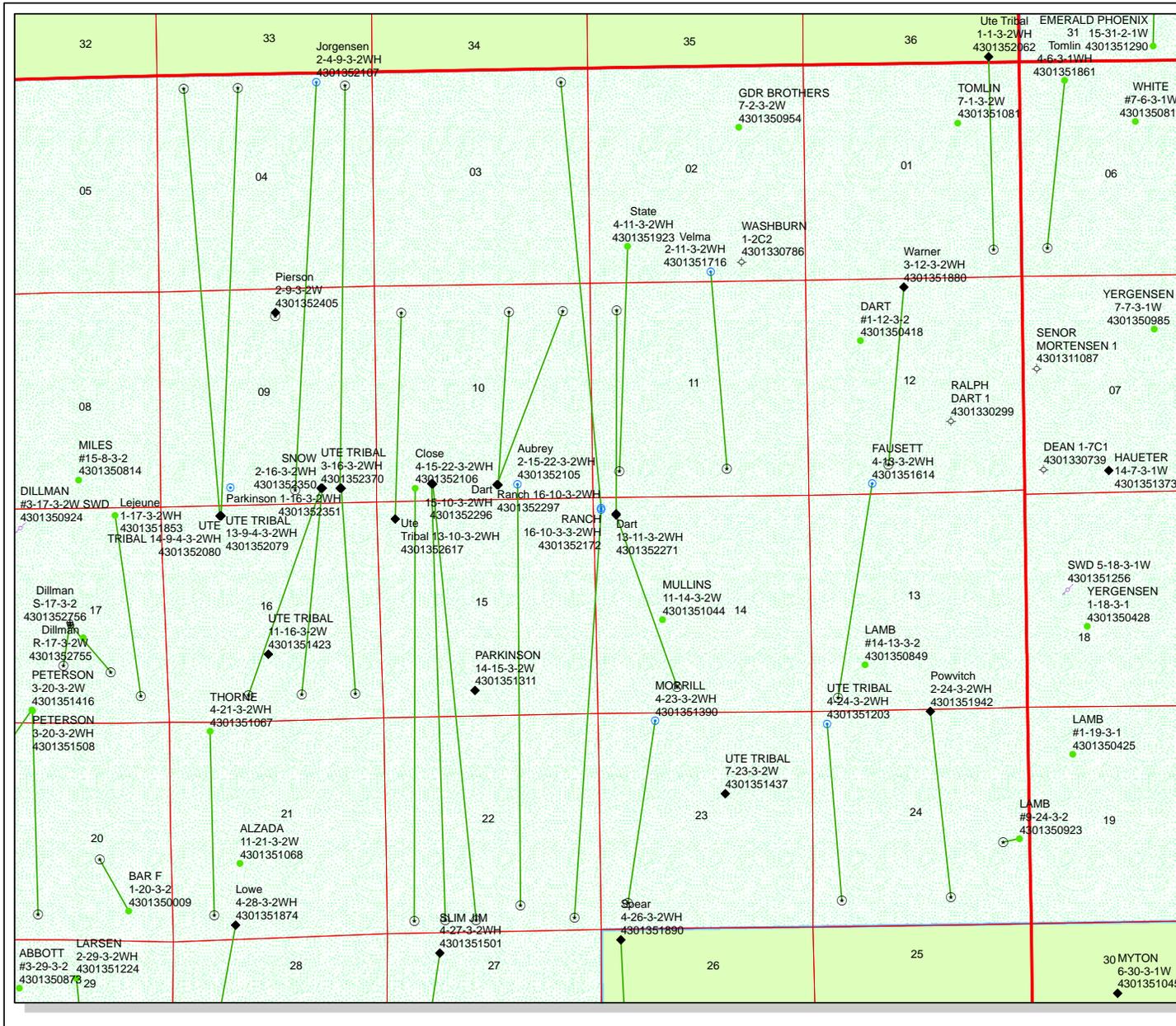
Newfield Production Company respectfully requests that the surface hole location for the Aubrey 1A-15-22-3-2WH be changed from 280' FNL & 201' FWL, NWNW, Section 14, T3S, R2W, USB&M to 250' FNL & 201' FWL, NWNW, Section 14, T3S, R2W, USB&M. Attached are new well location plats and an exception location letter. Also, a new directional survey and drill plan will be submitted to UDOGM as soon as possible.

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

Date: January 16, 2014

By: *Derek Quist*

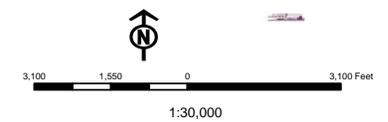
NAME (PLEASE PRINT) Matt Barber	PHONE NUMBER 303 382-4493	TITLE Senior Regulatory Specialist
SIGNATURE N/A	DATE 1/14/2014	



API Number: 4301352270
Well Name: Aubrey 1A-15-22-3-2WH
 Township: T03.0S Range: R02.0W Section: 14 Meridian: U
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 1/16/2014
 Map Produced by Diana Mason

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



January 14, 2014

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

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000
Denver, Colorado 80202
PH 303-893-0102 | FAX 303-893-0103

RE: Aubrey 1A-15-22-3-2WH
Township 3 South, Range 2 West, Sections 15 & 22
Duchesne County, Utah

Dear Mr. Hill,

Newfield Production Company (“Newfield”) proposes to drill the Aubrey 1A-15-22-3-2WH from a surface location of 250’ FNL and 201’ FWL of Section 14, T3S R2W, to a bottom hole location of 330’ FSL and 660’ FEL of Section 22, T3S R2W.

The Aubrey 1A-15-22-3-2WH is covered by Order No. 139-98, which requires no portion of the producing interval of the horizontal lateral be closer than 330’ from the northern or southern section boundaries and no closer than 660’ from the eastern or western section boundaries, and requires proper surface and sub-surface authorization be obtained when the surface location is located off of the drilling unit.

In compliance with the above referenced Order, the top of the uppermost producing zone of the Aubrey 1A-15-22-3-2WH is 330’ FNL and 660’ FEL of Section 15, T3S R2W. Newfield shall case and cement the Aubrey 1A-15-22-3-2WH wellbore from the surface location to the point where the wellbore reaches the legal setback, and the wellbore will only be completed within the legal setback. In the event a future recompletion outside of this setback is proposed, Newfield shall attempt to acquire consent from all the owners in Section 14, T3S R2W, and shall file the appropriate application with the State. The bottom hole location of the Aubrey 1A-15-22-3-2WH is 330’ FSL and 660’ FEL of Section 22, T3S R2W, which is within the legal setback. In the event the horizontal lateral drifts east, Newfield will attempt to acquire consent from all owners in Sections 14 & 23, T3S R2W and shall file the appropriate application with the State.

In further compliance of the above referenced Order, Newfield has obtained authorization from the surface owner of the drilling location, as is evidenced by the Affidavit of Easement, Right-of-Way and Surface Use Agreement attached to the APD. Newfield and its partners are the leasehold owners of the minerals underlying the surface location and all that portion of the wellbore of the Aubrey 1A-15-22-3-2WH lying outside the drilling unit.

Based on Newfield’s compliance with the requirements of Order No. 139-98, Newfield respectfully requests the approval of our APD for the Aubrey 1A-15-22-3-2WH.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4466 or by email at rmiller@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

Robert N. Miller II
Landman

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

NEWFIELD EXPLORATION COMPANY

Well location, #1A-15-22-3-2WH, located as shown in the NW 1/4 NW 1/4 of Section 14, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

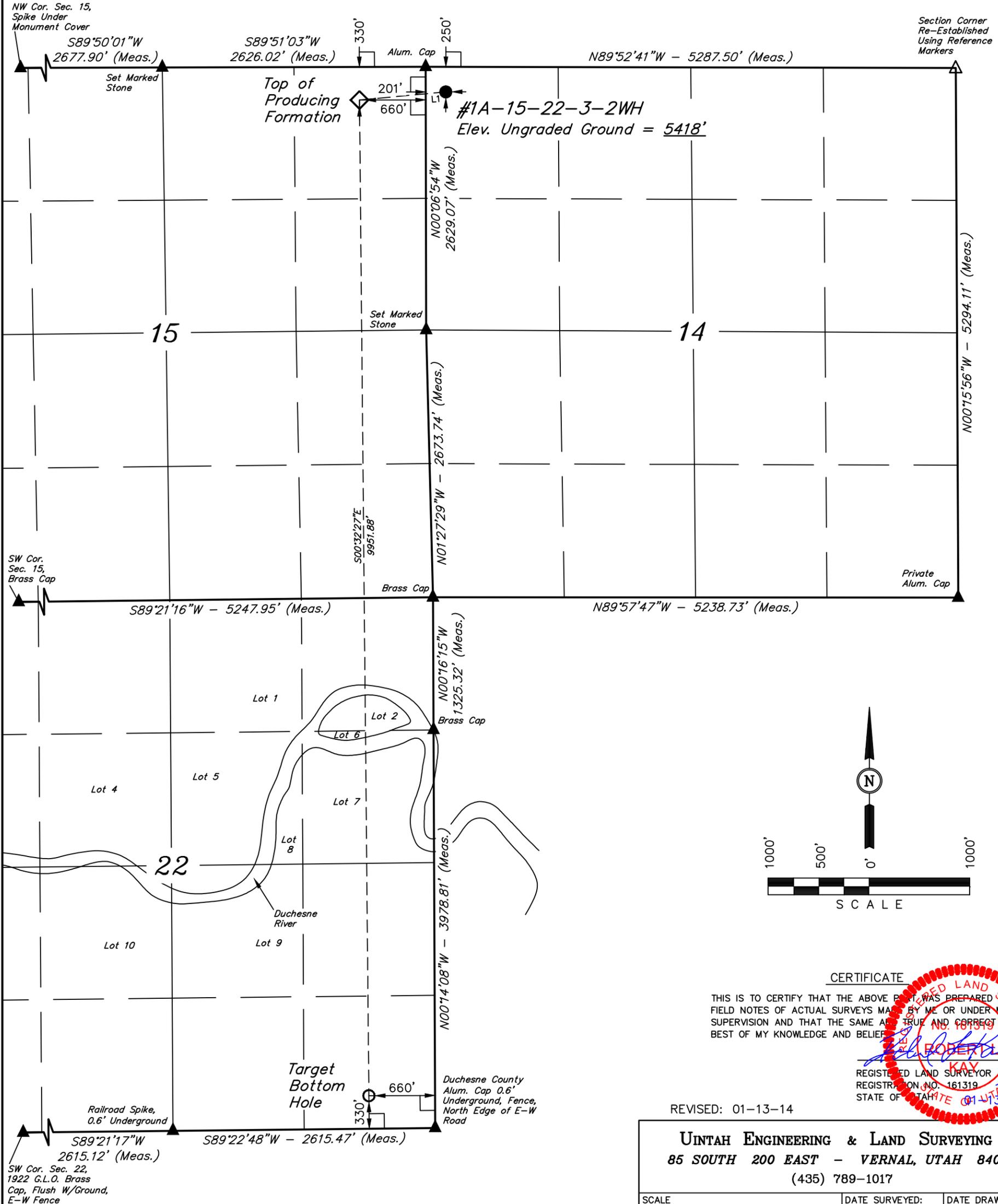
BASIS OF ELEVATION

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

BASIS OF BEARINGS

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

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S84°37'06"W	864.76'



CERTIFICATE

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

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 01-13-14

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

NAD 83 (TARGET BOTTOM HOLE) LATITUDE = 40°12'04.82" (40.201339) LONGITUDE = 110°05'17.87" (110.088297)	NAD 83 (TOP OF PRODUCING FORMATION) LATITUDE = 40°13'43.14" (40.228650) LONGITUDE = 110°05'19.03" (110.088619)	NAD 83 (SURFACE LOCATION) LATITUDE = 40°13'43.93" (40.228669) LONGITUDE = 110°05'07.93" (110.085536)
NAD 27 (TARGET BOTTOM HOLE) LATITUDE = 40°12'04.96" (40.201378) LONGITUDE = 110°05'15.32" (110.087589)	NAD 27 (TOP OF PRODUCING FORMATION) LATITUDE = 40°13'43.28" (40.228689) LONGITUDE = 110°05'16.48" (110.087911)	NAD 27 (SURFACE LOCATION) LATITUDE = 40°13'44.08" (40.228911) LONGITUDE = 110°05'05.39" (110.084831)

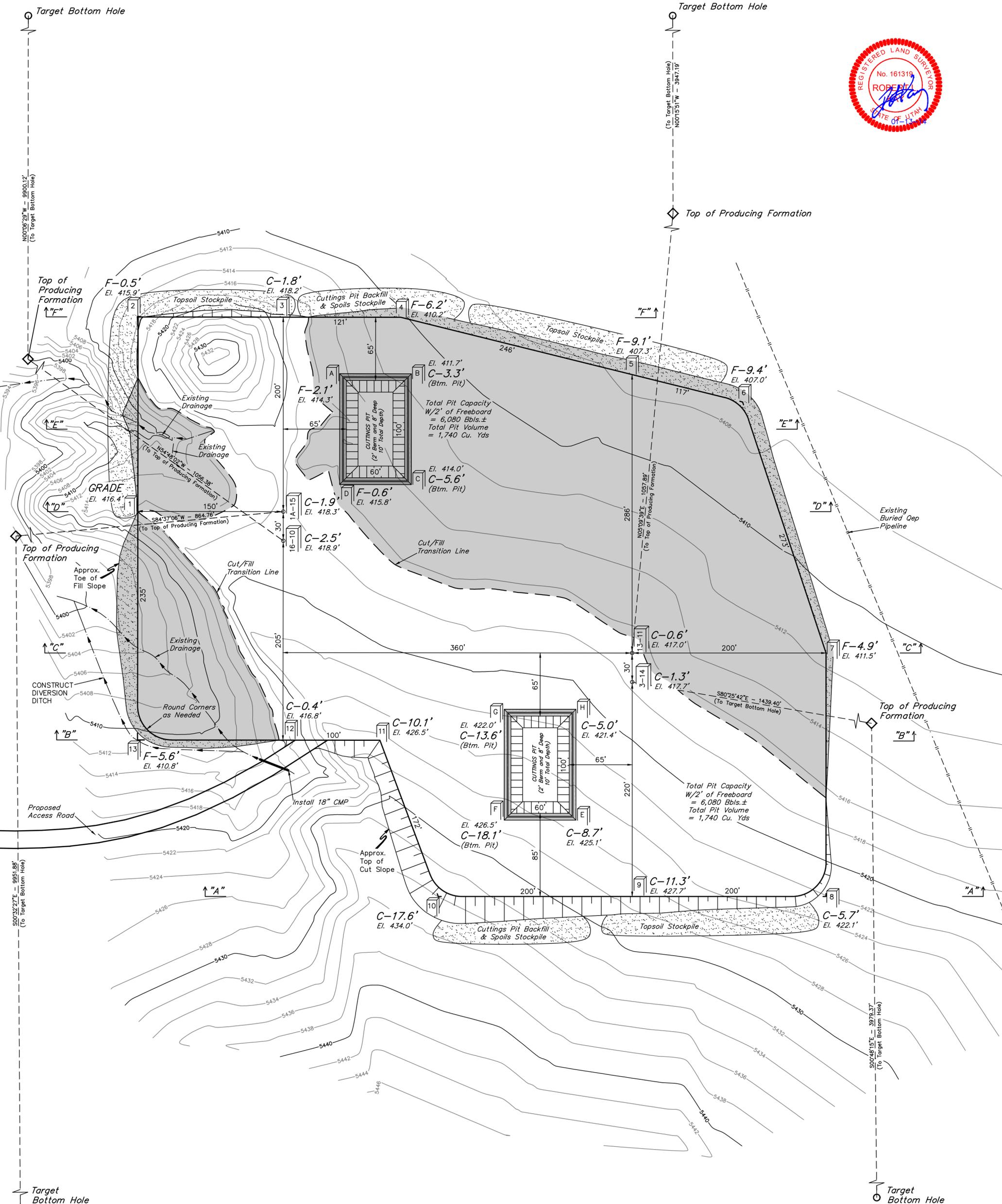
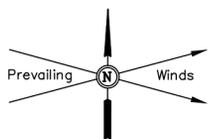
SCALE 1" = 1000'	DATE SURVEYED: 04-15-13	DATE DRAWN: 04-30-13
PARTY M.A. C.K. S.F.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13
REVISED: 06-26-13
REVISED: 11-05-13
REVISED: 01-13-14



Elev. Ungraded Ground At #1A-15-22-3-2WH Loc. Stake = 5418.3'
FINISHED GRADE ELEV. AT #1A-15-22-3-2WH LOC. STAKE = 5416.4'

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

RECEIVED: Jan. 15, 2014

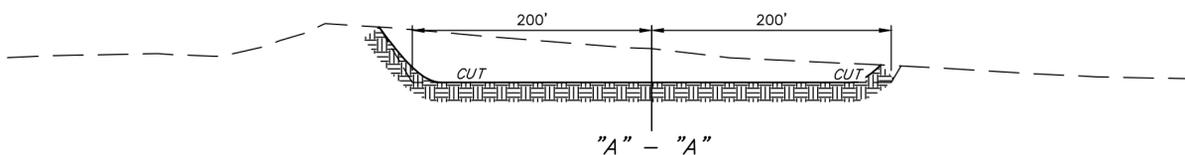
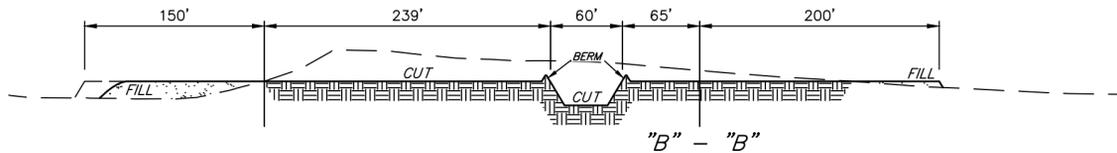
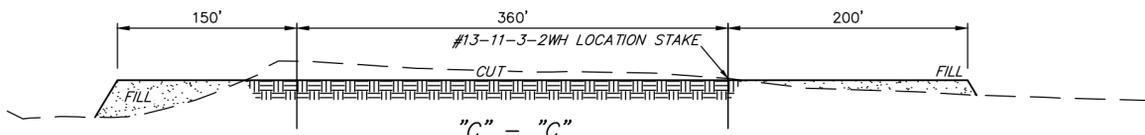
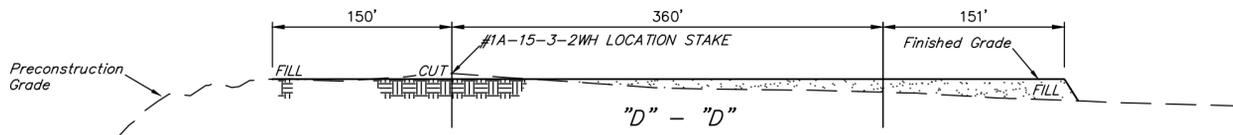
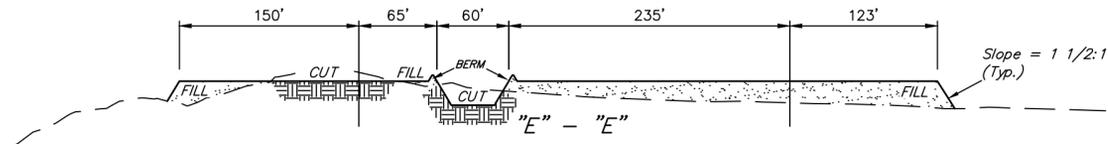
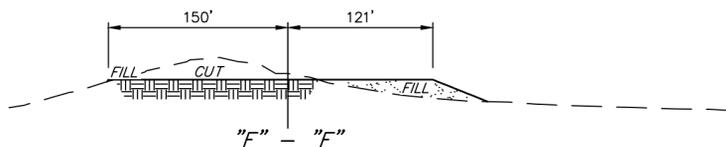
NEWFIELD EXPLORATION COMPANY

TYPICAL CROSS SECTIONS FOR

#4-14-3-2 WELL PAD FOR
 #16-10-3-3-2WH, #1A-15-22-3-2WH,
 #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4

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

DATE: 05-02-13
 DRAWN BY: S.F.
 REVISED: 06-03-13
 REVISED: 06-26-13
 REVISED: 11-05-13
 REVISED: 01-13-14



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

* NOTE:
 FILL QUANTITY INCLUDES
 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 6,900 Cu. Yds.
 Remaining Location = 34,870 Cu. Yds.
 TOTAL CUT = 41,770 CU. YDS.
 FILL = 33,130 CU. YDS.

EXCESS MATERIAL = 8,640 Cu. Yds.
 Topsoil & Pit Backfill = 8,640 Cu. Yds.
 (1/2 Pit Vol.)
 EXCESS UNBALANCE = 0 Cu. Yds.
 (After Interim Rehabilitation)

APPROXIMATE ACREAGE
 WELL SITE DISTURBANCE = ± 10.751 ACRES
 ACCESS ROAD DISTURBANCE = ± 1.796 ACRES
 PIPELINE DISTURBANCE = ± 0.111 ACRES
 TOTAL = ± 12.658 ACRES

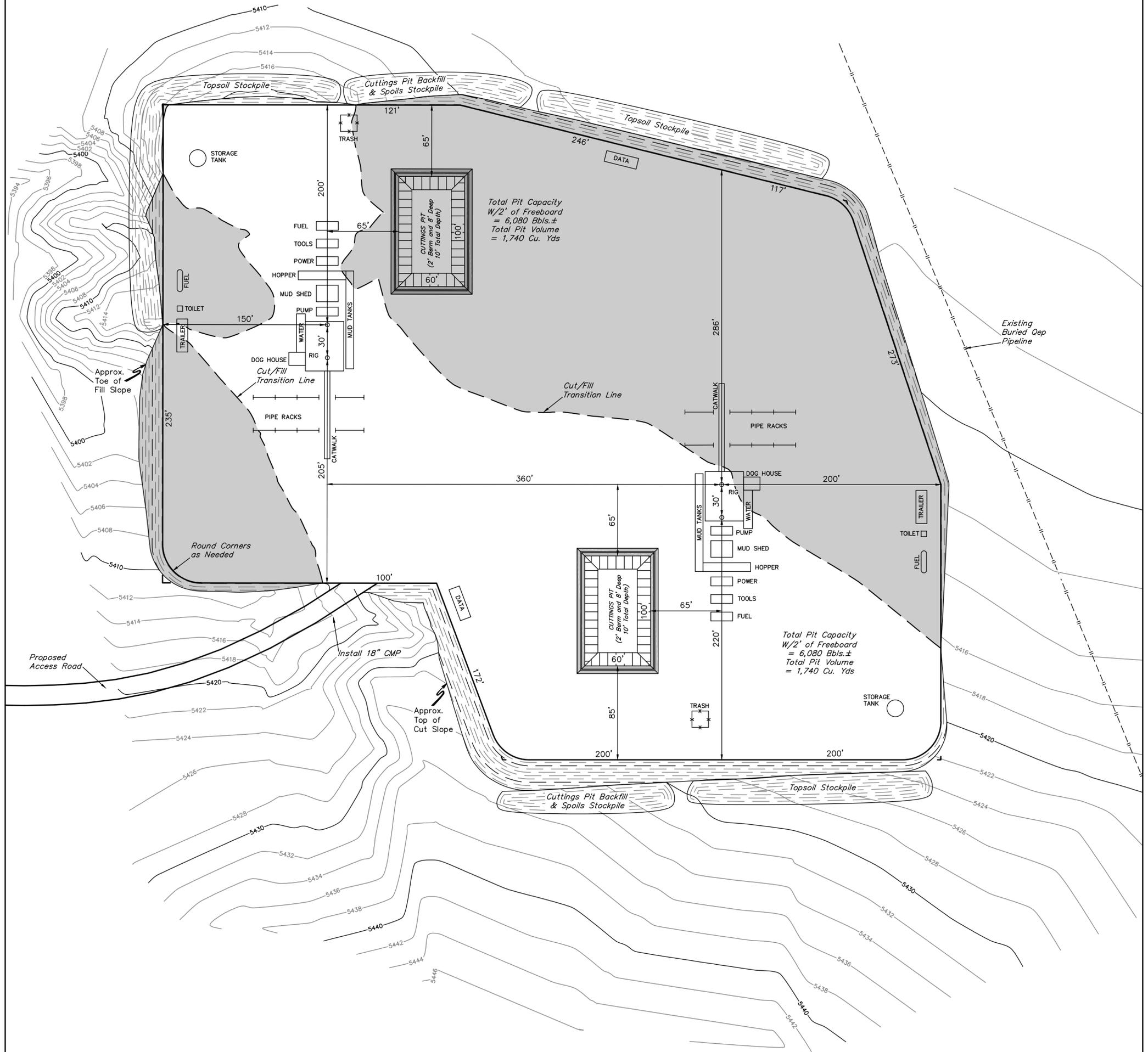
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

FIGURE #3

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-26-13
REVISED: 11-05-13
REVISED: 01-13-14



NEWFIELD EXPLORATION COMPANY

PRODUCTION FACILITY LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

FIGURE #4

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13
REVISED: 06-26-13
REVISED: 11-05-13
REVISED: 01-13-14



RECLAIMED AREA

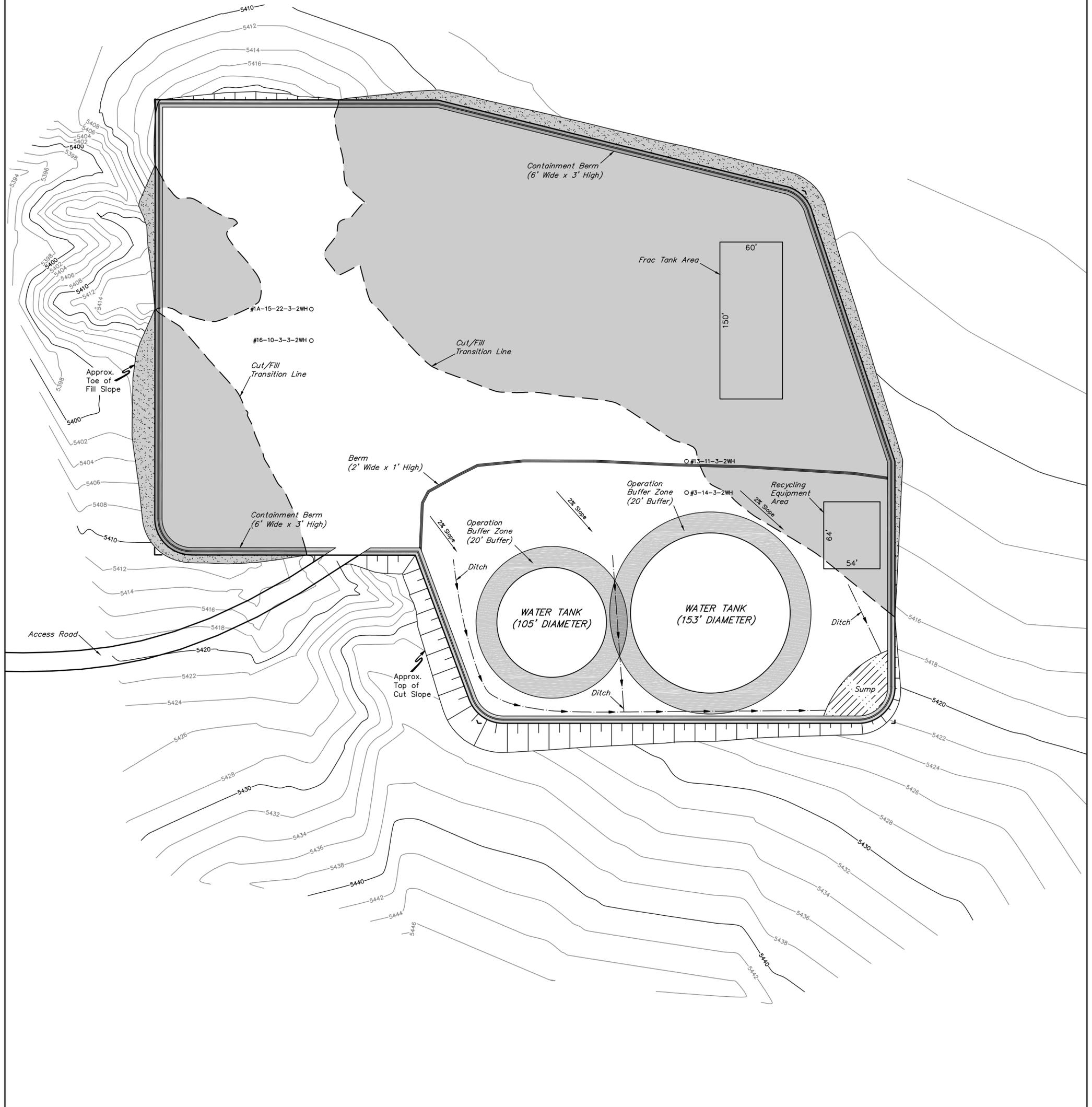
APPROXIMATE ACREAGE
UN-RECLAIMED = ± 2.855 ACRES

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

RECEIVED: Jan. 15, 2014

NEWFIELD EXPLORATION COMPANY
RECYCLING EQUIPMENT LAYOUT FOR
#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 09-04-13
DRAWN BY: S.F.
REVISED: 09-17-13
REVISED: 10-24-13
REVISED: 11-05-13
REVISED: 01-13-14



BEGINNING OF ROAD STA. 0+00 BEARS S34°03'00"E 731.16' FROM THE NORTH 1/4 CORNER OF SECTION 15, T3S, R2W, U.S.B.&M.

P.O.S.L. 24+15.26 BEARS S00°06'54"E 577.92' FROM THE NORTHEAST CORNER OF SECTION 15, T3S, R2W, U.S.B.&M.

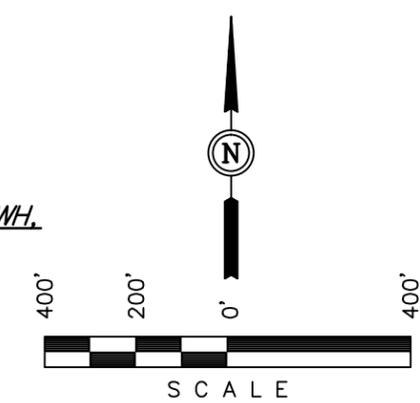
LINE TABLE			LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	S65°09'34"E	399.82'	L9	S87°29'51"E	354.51'	L17	N50°56'07"W	82.66'
L2	S67°44'58"E	202.36'	L10	S84°48'27"E	409.13'	L18	N02°23'44"W	203.97'
L3	S78°41'33"E	202.08'	L11	N78°48'45"E	54.96'	L19	N00°06'54"W	226.87'
L4	S89°41'54"E	159.22'	L12	N78°48'45"E	98.56'	L20	N39°19'07"E	50.51'
L5	N70°32'03"E	153.43'	L13	N78°27'59"E	50.76'	L21	N89°01'36"E	92.81'
L6	N38°47'57"E	200.05'	L14	N53°04'04"E	42.55'	L22	S89°52'41"E	251.82'
L7	N42°25'45"E	137.09'	L15	N53°04'04"E	63.07'			
L8	N68°01'06"E	142.61'	L16	S89°41'37"W	108.36'			

LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L23	S76°03'10"E	302.96'	L28	S31°12'24"W	71.13'
L24	S37°19'10"E	66.51'	L29	S88°08'02"W	411.54'
L25	S17°44'22"E	281.46'	L30	N38°26'46"W	54.70'
L26	S03°11'58"W	147.28'	L31	N19°13'44"W	164.22'
L27	S06°55'00"E	105.22'	L32	S89°41'37"W	83.39'

NEWFIELD EXPLORATION COMPANY
LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON FEE LANDS

(For #4-14-3-2 WELL PAD FOR #16-10-3-3-2WH, #1A-15-22-3-2WH, #13-11-3-2WH & #3-14-3-2WH)

LOCATED IN SECTIONS 14 & 15, T3S, R2W, U.S.B.&M. DUCHESNE COUNTY, UTAH



BASIS OF BEARINGS

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

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
WILLIAM MELLEMA JR. TRUSTEE	2415.26	1.663	146.38
BRUCE DART TRUSTEE	191.87	0.132	11.63

- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

CERTIFICATE

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

REVISED: 01-13-14
 REVISED: 11-05-13
 REVISED: 06-26-13
 REVISED: 06-03-13



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

SCALE 1" = 400'	DATE 05-03-13
PARTY M.A. C.K. S.F.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE 5 4 1 8 8

Set Marked Stone

William Mellema Jr. Trustee

END OF ROAD STA. 26+07.13 BEARS S19°08'43"E 553.71' FROM THE NORTHWEST CORNER OF SECTION 14, T3S, R2W, U.S.B.&M.

William Mellema Jr. Trustee

Bruce Dart Trustee

SURFACE USE AREA #4-14-3-2 WELL PAD FOR #16-10-3-3-2WH, #1A-15-22-3-2WH, #13-11-3-2WH & #3-14-3-2WH Contains 10.751 Acres

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 26+07.13 (At Edge of Surface Use Area)

Bruce Dart Trustee

ROAD RIGHT-OF-WAY DESCRIPTION ON WILLIAM MELLEMA JR. TRUSTEE LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 15, T3S, R2W, U.S.B.&M. WHICH BEARS S34°03'00"E 731.16' FROM THE NORTH 1/4 CORNER OF SAID SECTION 15, THENCE S65°09'34"E 399.82'; THENCE S67°44'58"E 202.36'; THENCE S78°41'33"E 202.08'; THENCE S89°41'54"E 159.22'; THENCE N70°32'03"E 153.43'; THENCE N38°47'57"E 200.05'; THENCE N42°25'45"E 137.09'; THENCE N68°01'06"E 142.61'; THENCE S87°29'51"E 354.51'; THENCE S84°48'27"E 409.13'; THENCE N78°48'45"E 54.96' TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID SECTION 15 WHICH BEARS S00°06'54"E 577.92' FROM THE NORTHEAST CORNER OF SAID SECTION 15. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.663 ACRES MORE OR LESS.

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 14, T3S, R2W, U.S.B.&M. WHICH BEARS S19°08'43"E 553.71' FROM THE NORTHWEST CORNER OF SAID SECTION 14, THENCE S89°41'37"W 108.36'; THENCE N50°56'07"W 82.66'; THENCE N02°23'44"W 203.97' TO A POINT ON THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 14 WHICH BEARS S00°06'54"E 267.78' FROM THE NORTHWEST CORNER OF SAID SECTION 14, THENCE N00°06'54"W ALONG SAID WEST LINE 226.87'; THENCE N39°19'07"E 50.51'; THENCE N89°01'36"E 92.81' TO A POINT ON THE NORTH LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 14 WHICH BEARS S89°52'41"E 124.89' FROM THE NORTHWEST CORNER OF SAID SECTION 14, THENCE S89°52'41"E ALONG SAID NORTH LINE 251.82'; THENCE S76°03'10"E 302.96'; THENCE S37°19'10"E 66.51'; THENCE S17°44'22"E 281.46'; THENCE S03°11'58"W 147.28'; THENCE S06°55'00"E 105.22'; THENCE S31°12'24"W 71.13'; THENCE S88°08'02"W 411.54'; THENCE N38°26'46"W 54.70'; THENCE N19°13'44"W 164.22'; THENCE S89°41'37"W 83.39' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 10.751 ACRES MORE OR LESS.

ROAD RIGHT-OF-WAY DESCRIPTION ON BRUCE DART TRUSTEE LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE WEST LINE OF THE NW 1/4 NW 1/4 OF SECTION 14, T3S, R2W, U.S.B.&M. WHICH BEARS S00°06'54"E 577.92' FROM THE NORTHWEST CORNER OF SAID SECTION 14, THENCE N78°48'45"E 98.56'; THENCE N78°27'59"E 50.76'; THENCE N53°04'04"E 42.55' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 14 WHICH BEARS S19°08'43"E 553.71' FROM THE NORTHWEST CORNER OF SAID SECTION 14. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.132 ACRES MORE OR LESS.

P.O.S.L. #1 BEARS S00°06'54"E 267.78' FROM THE NORTHWEST CORNER OF SECTION 14, T3S, R2W, U.S.B.&M.

P.O.S.L. #2 BEARS S89°52'41"E 124.89' FROM THE NORTHWEST CORNER OF SECTION 14, T3S, R2W, U.S.B.&M.

NW 1/4

NE 1/4

NW 1/4

Sec. 15

Sec. 14

SW 1/4

SE 1/4

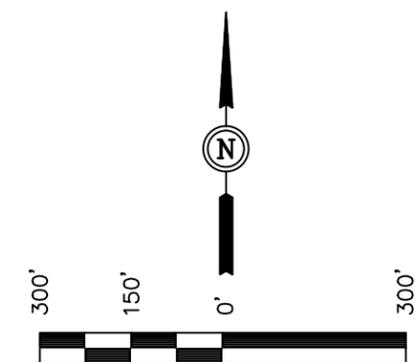
SW 1/4

Set Marked Stone

PIPELINE RIGHT-OF-WAY ON FEE LANDS

(For #4-14-3-2 WELL PAD FOR #16-10-3-3-2WH, #1A-15-22-3-2WH, #13-11-3-2WH & #3-14-3-2WH)

LOCATED IN SECTION 14, T3S, R2W, U.S.B.&M. DUCHESNE COUNTY, UTAH



SCALE BASIS OF BEARINGS

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

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
BRUCE DART TRUSTEE	161.30	0.111	9.78

- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

CERTIFICATE

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REVISED: 01-13-14
 REVISED: 11-05-13
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 VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 05-03-13
PARTY M.A. C.K. S.F.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE 5 4 1 8 9

LINE TABLE

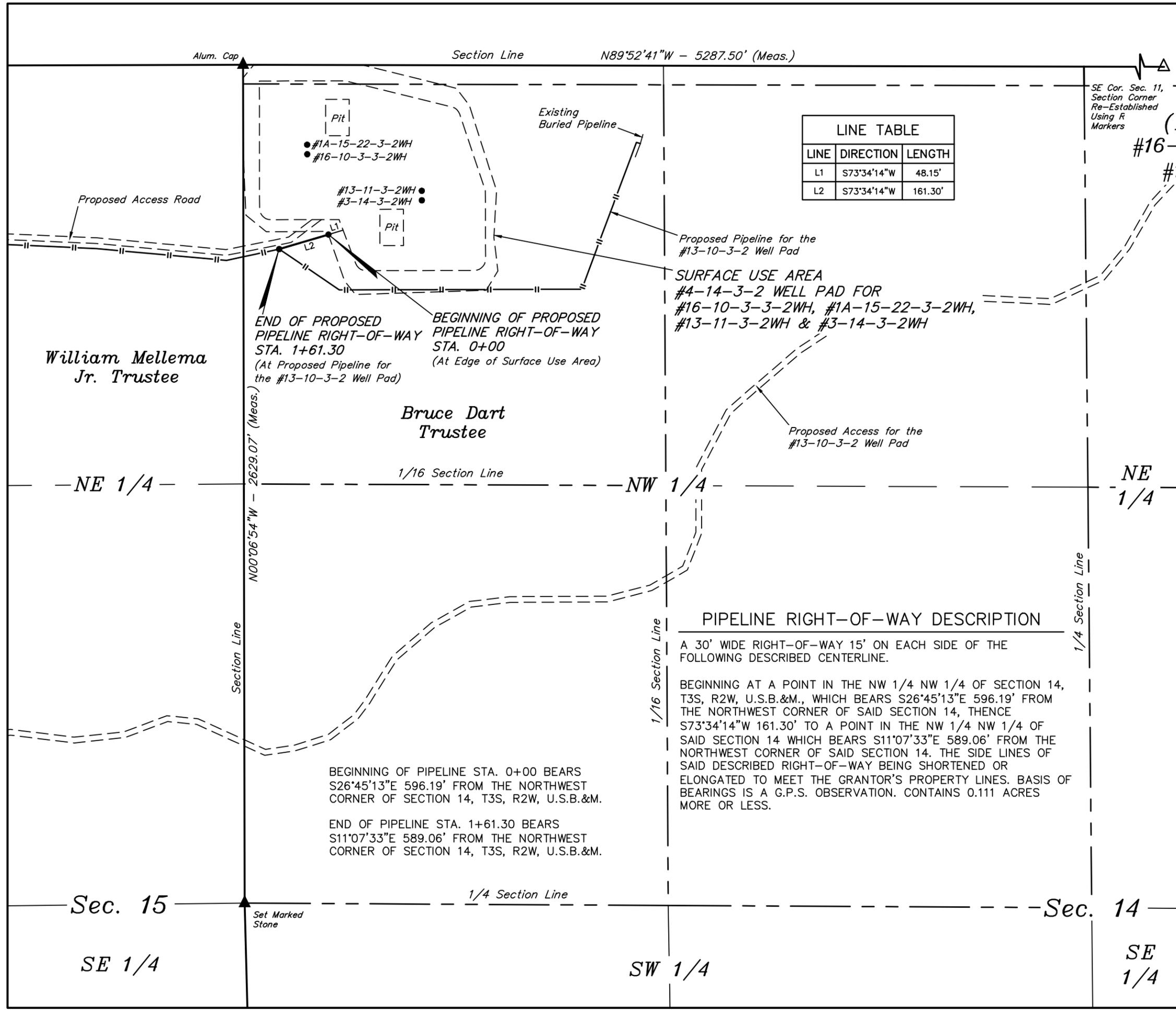
LINE	DIRECTION	LENGTH
L1	S73°34'14"W	48.15'
L2	S73°34'14"W	161.30'

SURFACE USE AREA
 #4-14-3-2 WELL PAD FOR #16-10-3-3-2WH, #1A-15-22-3-2WH, #13-11-3-2WH & #3-14-3-2WH

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.
 BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 14, T3S, R2W, U.S.B.&M., WHICH BEARS S26°45'13"E 596.19' FROM THE NORTHWEST CORNER OF SAID SECTION 14, THENCE S73°34'14"W 161.30' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 14 WHICH BEARS S11°07'33"E 589.06' FROM THE NORTHWEST CORNER OF SAID SECTION 14. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.111 ACRES MORE OR LESS.

BEGINNING OF PIPELINE STA. 0+00 BEARS S26°45'13"E 596.19' FROM THE NORTHWEST CORNER OF SECTION 14, T3S, R2W, U.S.B.&M.
 END OF PIPELINE STA. 1+61.30 BEARS S11°07'33"E 589.06' FROM THE NORTHWEST CORNER OF SECTION 14, T3S, R2W, U.S.B.&M.

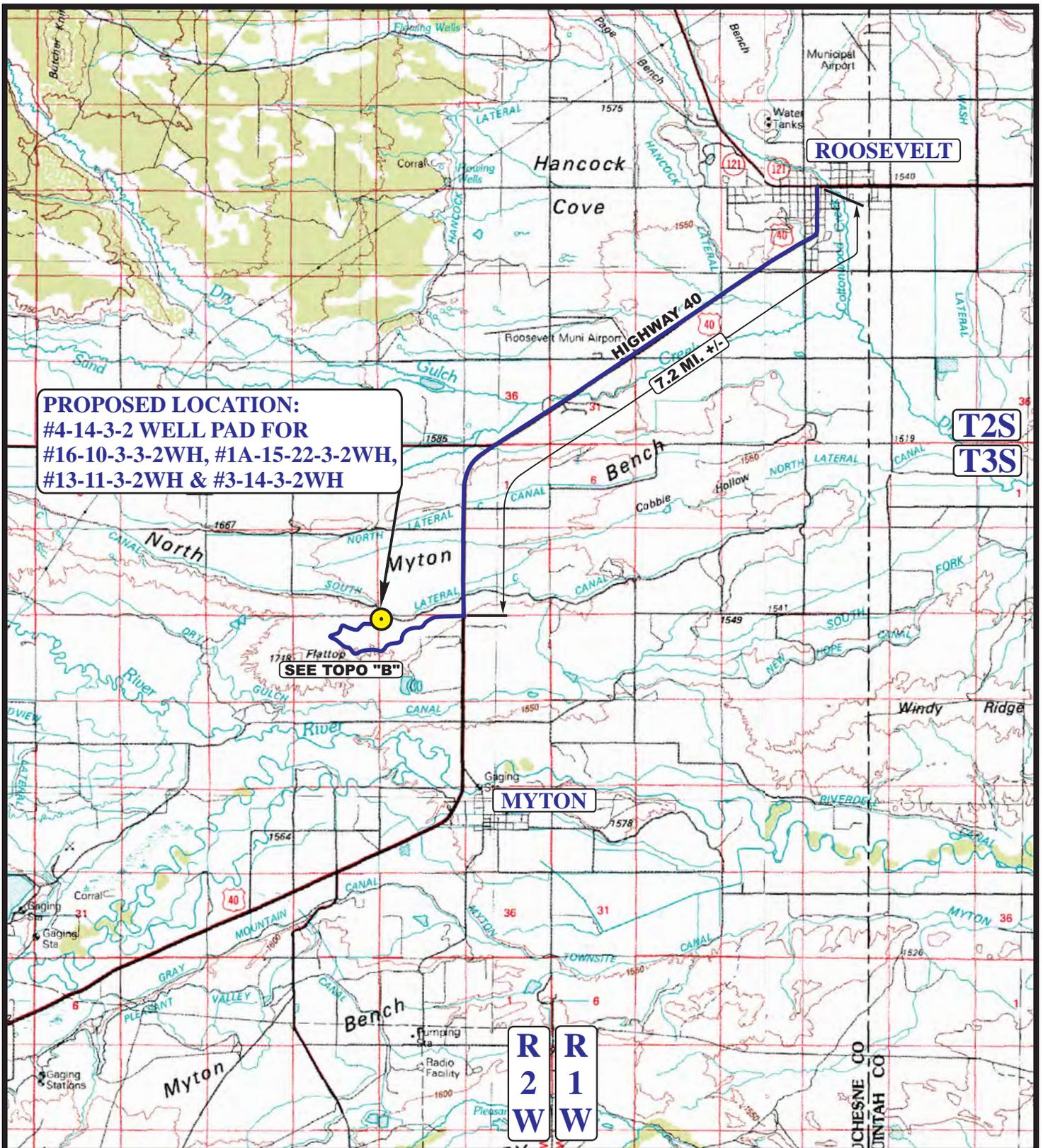


NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR
#16-10-3-3-2-WH , #1A-15-22-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.

PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION FROM ROOSEVELT, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 7.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #4-15-3-2WH TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY, THEN NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 10,732' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 2,670' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 9.7 MILES.



PROPOSED LOCATION:
 #4-14-3-2 WELL PAD FOR
 #16-10-3-3-2WH, #1A-15-22-3-2WH,
 #13-11-3-2WH & #3-14-3-2WH

SEE TOPO "B"

LEGEND:

PROPOSED LOCATION

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #16-10-3-3-2WH,
 #1A-15-22-3-2WH, #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4



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



**ACCESS ROAD
 MAP**

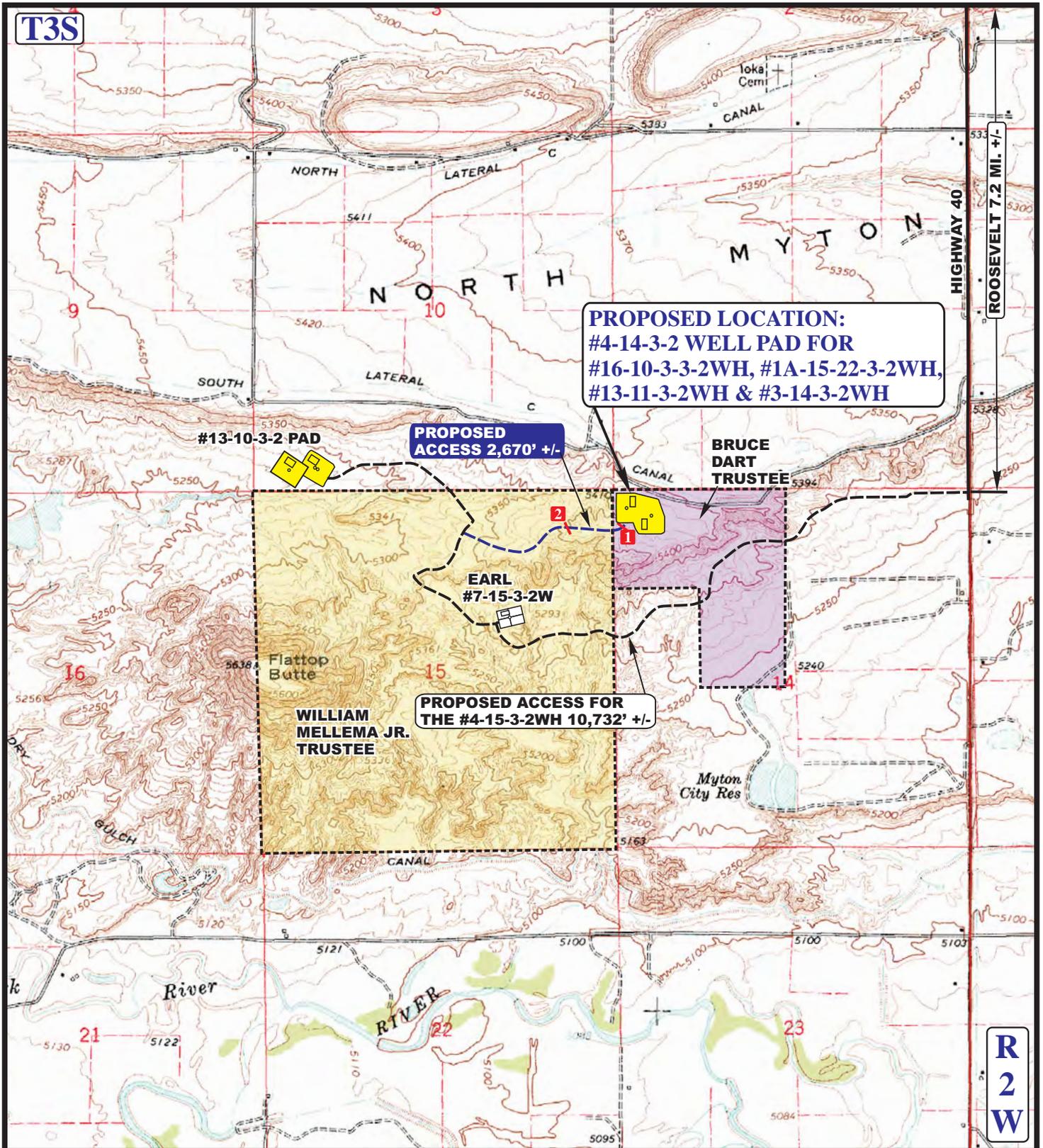
11 20 12
 MONTH DAY YEAR



SCALE: 1:100,000

DRAWN BY: C.I.

REV: 01-15-14 L.S.



**PROPOSED LOCATION:
#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-3-2WH & #3-14-3-2WH**

**PROPOSED
ACCESS 2,670' +/-**

**PROPOSED ACCESS FOR
THE #4-15-3-2WH 10,732' +/-**

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 1** 18" CMP REQUIRED
- 2** 24" CMP REQUIRED

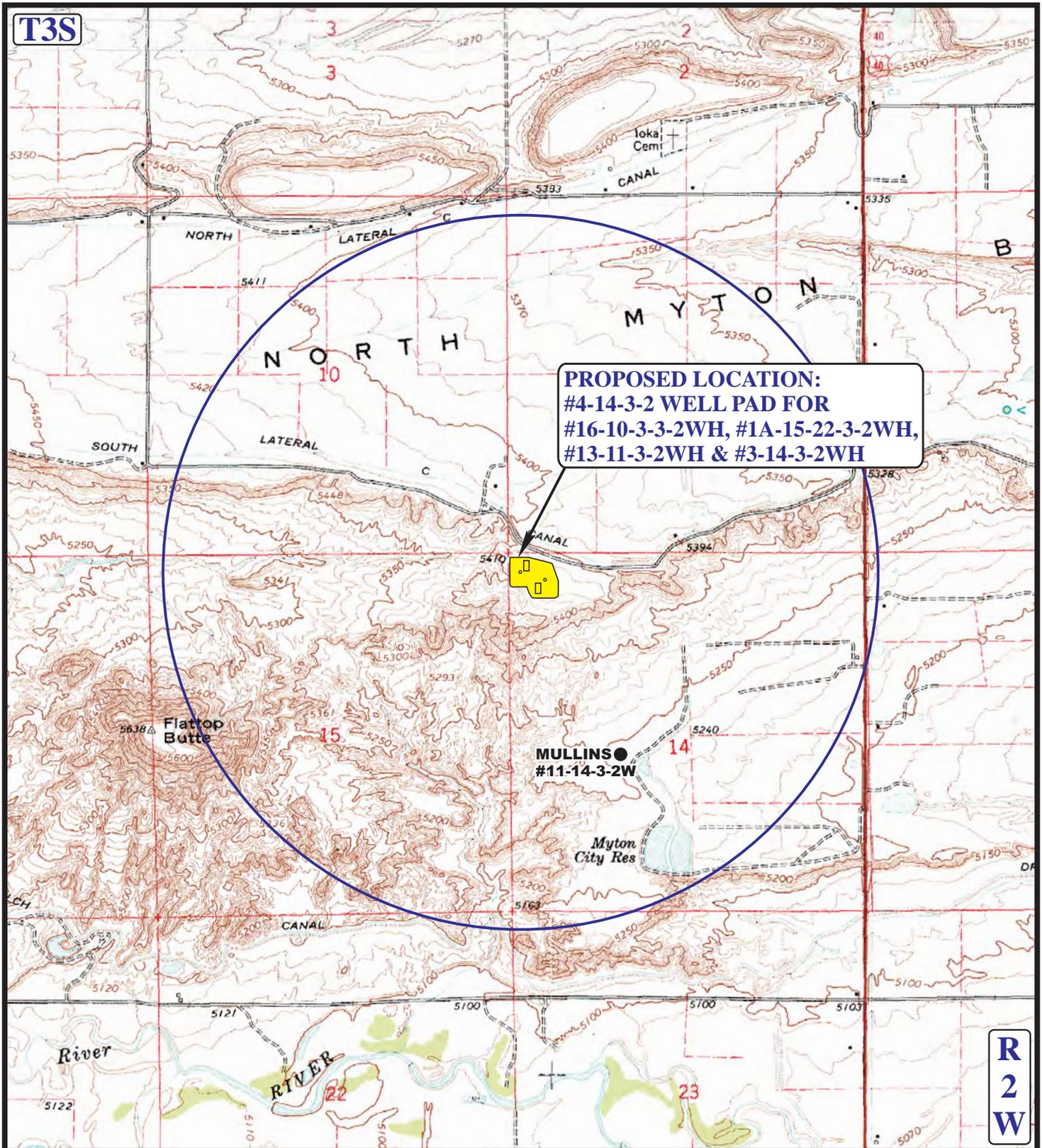
NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
#1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

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



ACCESS ROAD MAP	11	20	12	B TOPO
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: C.I.		REV: 01-15-14 L.S.	



PROPOSED LOCATION:
 #4-14-3-2 WELL PAD FOR
 #16-10-3-3-2WH, #1A-15-22-3-2WH,
 #13-11-3-2WH & #3-14-3-2WH

LEGEND:

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

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #16-10-3-3-2WH,
 #1A-15-22-3-2WH, #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4



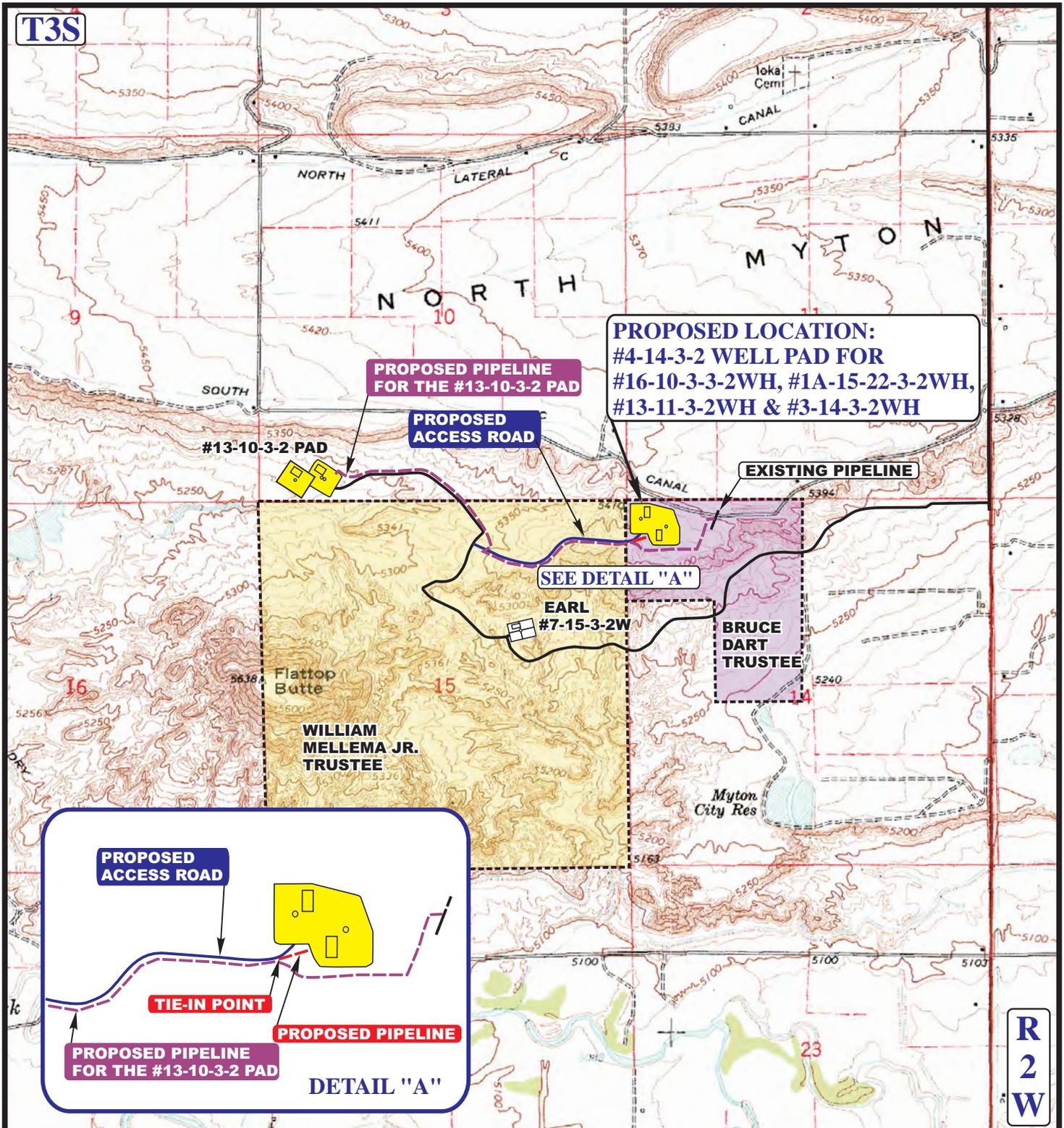
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC 11 20 12
 MAP MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REV: 01-15-14 L.S.





APPROXIMATE TOTAL PIPELINE DISTANCE = 209' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #16-10-3-3-2WH,
 #1A-15-22-3-2WH, #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4



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 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC MAP 11 20 12
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.I. REV: 01-15-14 L.S.



BLM - Vernal Field Office - Notification Form

CONFIDENTIAL

Operator Newfield Exploration Rig Name/# Pete Martin Rig #16
Submitted By Kylan Cook Phone Number 435-790-8236
Well Name/Number Aubrey 1A-15-22-3-2WH
Qtr/Qtr NW/NW Section 14 Township 3S Range 2W
Lease Serial Number 14-20-H62-6269
API Number 43-013-52270

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

Date/Time 01/11/2014 09:00 AM PM

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

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

Date/Time _____ 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 DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6269			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: Aubrey 1A-15-22-3-2WH			
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202		9. API NUMBER: 43013522700000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0250 FNL 0201 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U		9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH COUNTY: DUCHESNE STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/6/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION				
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Directional Survey"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Directional Survey"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Directional Survey"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 1/16/2014, a sundry notice was approved for the Aubrey 1A-15-22-3-2WH surface hole location (SHL) change. This sundry is being submitted to include the directional survey which was not included in the previous approved Sundry for SHL change.					
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 06, 2014					
NAME (PLEASE PRINT) Matt Barber	PHONE NUMBER 303 382-4493	TITLE Senior Regulatory Specialist			
SIGNATURE N/A	DATE 2/6/2014				



LEAM Drilling Systems, LLC
FOR
NEWFIELD EXPLORATION ROCKY MOUNTAINS
WELL: 1A-15-22-3-2WH AUBREY (PLAN: REV02)
SEC. 14, T3S-R2W, DUCHESNE CO., UTAH
RIG NAME: PIONEER 78 (KB= 27')
JANUARY 24, 2014 -- WELL PLAN PLOT

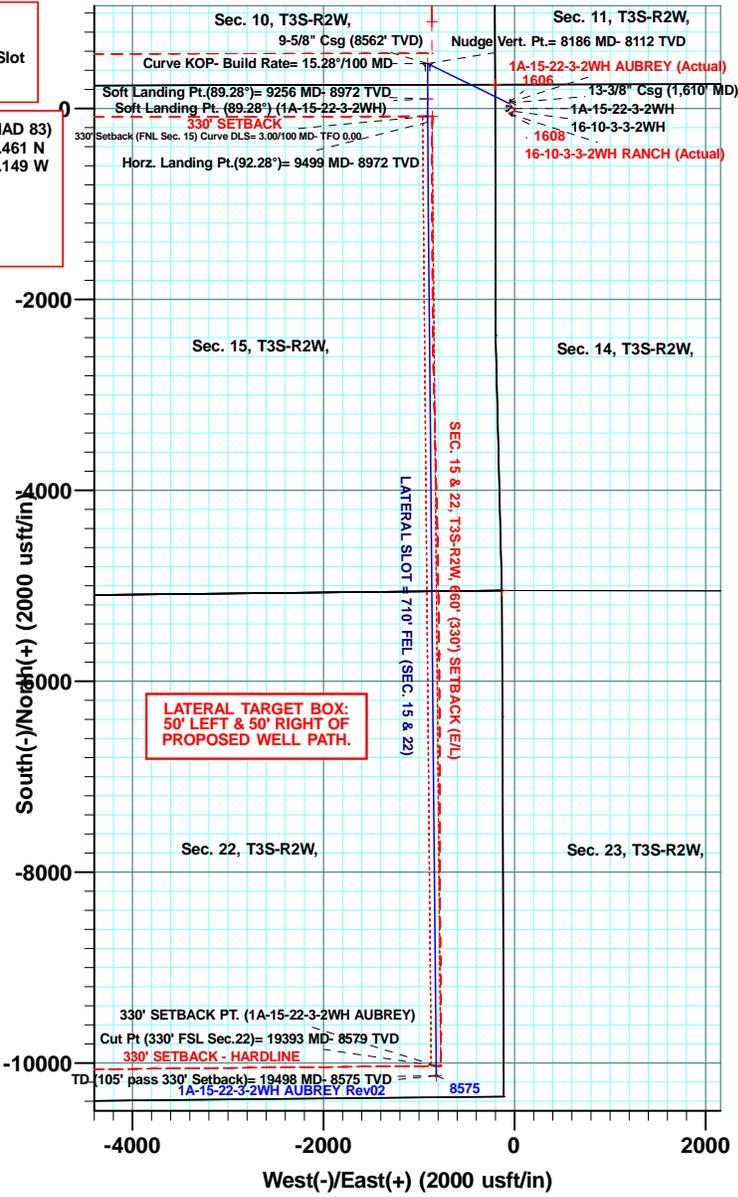
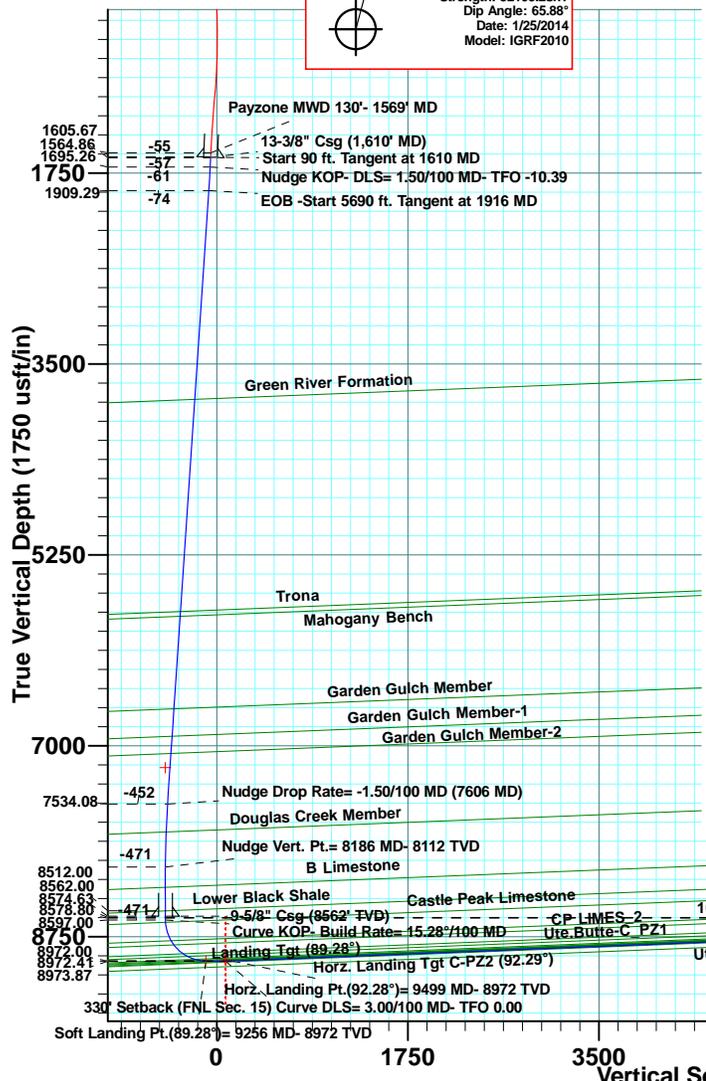
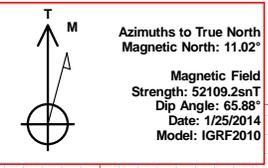


WELL DETAILS: 1A-15-22-3-2WH

		Ground Level: 5416.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	7255214.47	2035323.8340	13° 43.930 N	110° 5' 7.930 W		

PROJECT DETAILS: DUCHESNE COUNTY, UT (NAD 83)
 Geodetic System: US State Plane 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone
 System Datum: Mean Sea Level

SITE DETAILS: CENTRAL BASIN (NAD 83)
 Site Centre Latitude: 40° 13' 50.461 N
 Longitude: 110° 5' 34.149 W
 Positional Uncertainty: 0.00
 Convergence: 0.90
 Local North: True



MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1610.00	5.50	299.90	1605.67	57.12	-65.85	0.00	0.00	-57.12	
1700.00	5.50	299.90	1695.26	61.42	-73.32	0.00	0.00	-61.42	
1915.72	8.70	296.04	1909.29	73.74	-96.95	1.50	-10.39	-73.74	
7606.01	8.70	296.04	7534.08	451.70	-870.49	0.00	0.00	-451.70	
8186.16	0.00	0.00	8112.00	471.00	-910.00	1.50	180.00	-471.00	
8586.16	0.00	0.00	8512.00	471.00	-910.00	0.00	0.00	-471.00	
8636.16	0.00	0.00	8562.00	471.00	-910.00	0.00	0.00	-471.00	
8671.16	0.00	0.00	8597.00	471.00	-910.00	0.00	0.00	-471.00	
9255.54	89.28	180.00	8972.00	100.68	-910.00	15.28	180.00	-100.68	
9395.54	89.28	180.00	8973.76	-39.31	-910.00	0.00	0.00	39.31	
9437.31	90.42	179.48	8973.87	-81.07	-909.81	3.00	-24.52	81.07	
9499.31	92.28	179.48	8972.41	-143.05	-909.25	3.00	0.00	143.05	
19393.06	92.28	179.48	8578.80	-10028.56	-819.53	0.00	0.00	10028.56	
19498.06	92.28	179.48	8574.63	-10133.47	-818.58	0.00	0.00	10133.47	

Plan: 1A-15-22-3-2WH AUBREY Rev02 (1A-15-22-3-2WH/1A-15-22-3-2WH AUBREY)
 Created By: LEAM DRILLING SYSTEMS Date: 8/31, January 24 2014
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____

330' SETBACK PT. (1A-15-22-3-2WH AUBREY)
 TD (105' f/ 330' Setback)(1A-15-22-3-2WH AUBREY)



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Project	DUCHESNE COUNTY, UT (NAD 83),		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	CENTRAL BASIN (NAD 83)		
Site Position:		Northing:	7,255,843.21 usft
From:	Map	Easting:	2,033,280.24 usft
Position Uncertainty:	0.00 usft	Slot Radius:	20 "
		Latitude:	40° 13' 50.461 N
		Longitude:	110° 5' 34.149 W
		Grid Convergence:	0.90 °

Well	1A-15-22-3-2WH		
Well Position	+N-S	-660.81 usft	Northing: 7,255,214.48 usft
	+E-W	2,033.44 usft	Easting: 2,035,323.82 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	5,443.00 usft
		Latitude:	40° 13' 43.930 N
		Longitude:	110° 5' 7.930 W
		Ground Level:	5,416.00 usft

Wellbore	1A-15-22-3-2WH AUBREY				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/25/2014	11.01	65.88	52,109

Design	1A-15-22-3-2WH AUBREY Rev02				
Audit Notes:					
Version:	REV02	Phase:	PLAN	Tie On Depth:	1,610.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
1,610.00	5.50	299.90	1,605.67	57.12	-65.85	0.00	0.00	0.00	0.00	
1,700.00	5.50	299.90	1,695.26	61.42	-73.32	0.00	0.00	0.00	0.00	
1,915.72	8.70	296.04	1,909.29	73.74	-96.95	1.50	1.48	-1.79	-10.39	
7,606.01	8.70	296.04	7,534.08	451.70	-870.49	0.00	0.00	0.00	0.00	
8,186.16	0.00	0.00	8,112.00	471.00	-910.00	1.50	-1.50	0.00	180.00	
8,586.16	0.00	0.00	8,512.00	471.00	-910.00	0.00	0.00	0.00	0.00	
8,636.16	0.00	0.00	8,562.00	471.00	-910.00	0.00	0.00	0.00	0.00	
8,671.16	0.00	0.00	8,597.00	471.00	-910.00	0.00	0.00	0.00	0.00	
9,255.54	89.28	180.00	8,972.00	100.68	-910.00	15.28	15.28	0.00	180.00	
9,395.54	89.28	180.00	8,973.76	-39.31	-910.00	0.00	0.00	0.00	0.00	
9,437.31	90.42	179.48	8,973.87	-81.07	-909.81	3.00	2.73	-1.25	-24.52	
9,499.31	92.28	179.48	8,972.41	-143.05	-909.25	3.00	3.00	0.00	0.00	
19,393.06	92.28	179.48	8,578.81	-10,028.56	-819.53	0.00	0.00	0.00	0.00	330' SETBACK PT.
19,498.06	92.28	179.48	8,574.63	-10,133.47	-818.58	0.00	0.00	0.00	0.00	TD (105' f/ 330' Set



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SEC. 3, T3S-R2W, 330' SETBACK (NORTH LINE) - SEC. 10, T3S-R2W, 330' SETBACK (SOUTH LINE) - Sec. 15, T3S-R2W,										
6.89	0.02	88.60	6.89	0.00	0.00	0.00	0.31	0.31	0.00	
SEC. 14, T3S-R2W,										
57.61	0.18	88.60	57.61	0.00	0.09	0.00	0.31	0.31	0.00	
Sec. 15, T3S-R2W, - Sec. 22, T3S-R2W,										
57.69	0.18	88.60	57.69	0.00	0.09	0.00	0.00	0.00	0.00	
SEC. 10, T3S-R2W,										
74.07	0.23	88.60	74.06	0.00	0.15	0.00	0.31	0.31	0.00	
SEC. 3 & 10, T3S-R2W, 660' SETBACK (EAST LINE)										
89.60	0.28	88.60	89.60	0.01	0.22	-0.01	0.31	0.31	0.00	
Sec. 11, T3S-R2W,										
130.00	0.40	88.60	130.00	0.01	0.45	-0.01	0.31	0.31	0.00	
SEC. 15 & 22, T3S-R2W, 660' (330') SETBACK (W/L)										
153.82	0.32	97.37	153.82	0.00	0.60	0.00	0.42	-0.35	36.81	
SEC. 15 & 22, T3S-R2W, 660' (330') SETBACK (E/L)										
159.00	0.30	99.90	159.00	0.00	0.63	0.00	0.42	-0.32	48.90	
188.00	0.40	166.70	188.00	-0.11	0.73	0.11	1.36	0.34	230.34	
219.00	0.70	130.40	219.00	-0.34	0.90	0.34	1.44	0.97	-117.10	
247.00	0.50	141.00	247.00	-0.54	1.10	0.54	0.81	-0.71	37.86	
275.00	1.00	147.90	274.99	-0.85	1.31	0.85	1.81	1.79	24.64	
295.00	1.10	153.40	294.99	-1.17	1.49	1.17	0.71	0.50	27.50	
331.00	0.90	156.40	330.98	-1.73	1.76	1.73	0.57	-0.56	8.33	
361.00	0.80	159.00	360.98	-2.15	1.93	2.15	0.36	-0.33	8.67	
388.00	1.00	184.40	387.98	-2.56	1.98	2.56	1.63	0.74	94.07	
413.00	1.10	187.50	412.97	-3.01	1.93	3.01	0.46	0.40	12.40	
439.00	0.80	196.40	438.97	-3.43	1.84	3.43	1.28	-1.15	34.23	
469.00	0.80	233.40	468.97	-3.76	1.62	3.76	1.69	0.00	123.33	
499.00	1.00	233.00	498.96	-4.04	1.24	4.04	0.67	0.67	-1.33	
529.00	1.30	265.60	528.96	-4.23	0.69	4.23	2.36	1.00	108.67	
559.00	1.60	274.20	558.95	-4.22	-0.07	4.22	1.23	1.00	28.67	
589.00	1.80	290.70	588.93	-4.02	-0.92	4.02	1.75	0.67	55.00	
619.00	2.10	298.80	618.92	-3.59	-1.85	3.59	1.36	1.00	27.00	
649.00	2.30	303.40	648.90	-3.00	-2.83	3.00	0.89	0.67	15.33	
679.00	2.70	300.70	678.87	-2.30	-3.94	2.30	1.39	1.33	-9.00	
709.00	3.30	304.90	708.83	-1.45	-5.26	1.45	2.13	2.00	14.00	
739.00	3.40	306.30	738.77	-0.43	-6.68	0.43	0.43	0.33	4.67	
769.00	3.80	311.30	768.71	0.75	-8.15	-0.75	1.69	1.33	16.67	
799.00	4.00	314.60	798.65	2.14	-9.64	-2.14	1.00	0.67	11.00	
829.00	4.10	314.60	828.57	3.63	-11.15	-3.63	0.33	0.33	0.00	
859.00	4.40	315.40	858.49	5.21	-12.72	-5.21	1.02	1.00	2.67	
889.00	4.80	316.60	888.39	6.94	-14.39	-6.94	1.37	1.33	4.00	
919.00	5.40	315.80	918.27	8.86	-16.23	-8.86	2.01	2.00	-2.67	
949.00	5.60	319.00	948.13	10.98	-18.18	-10.98	1.22	0.67	10.67	
979.00	5.90	319.20	977.98	13.25	-20.15	-13.25	1.00	1.00	0.67	
1,009.00	6.20	318.20	1,007.82	15.62	-22.23	-15.62	1.06	1.00	-3.33	
1,039.00	6.60	320.30	1,037.63	18.16	-24.42	-18.16	1.54	1.33	7.00	
1,069.00	6.90	318.90	1,067.42	20.84	-26.70	-20.84	1.14	1.00	-4.67	
1,099.00	7.60	318.40	1,097.18	23.68	-29.20	-23.68	2.34	2.33	-1.67	
1,129.00	7.90	320.30	1,126.91	26.75	-31.84	-26.75	1.31	1.00	6.33	
1,159.00	7.30	320.30	1,156.64	29.81	-34.37	-29.81	2.00	-2.00	0.00	



Planning Report



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Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,189.00	6.10	317.90	1,186.44	32.46	-36.66	-32.46	4.11	-4.00	-8.00
1,219.00	5.50	321.50	1,216.28	34.76	-38.62	-34.76	2.34	-2.00	12.00
1,249.00	5.20	318.90	1,246.15	36.91	-40.41	-36.91	1.29	-1.00	-8.67
1,279.00	5.00	315.00	1,276.04	38.86	-42.23	-38.86	1.33	-0.67	-13.00
1,309.00	5.00	314.70	1,305.92	40.71	-44.08	-40.71	0.09	0.00	-1.00
1,339.00	5.10	314.10	1,335.80	42.55	-45.97	-42.55	0.38	0.33	-2.00
1,369.00	5.00	314.50	1,365.69	44.40	-47.86	-44.40	0.35	-0.33	1.33
1,399.00	5.30	310.80	1,395.57	46.22	-49.84	-46.22	1.49	1.00	-12.33
1,429.00	5.30	308.60	1,425.44	47.99	-51.97	-47.99	0.68	0.00	-7.33
1,459.00	5.10	305.50	1,455.32	49.63	-54.14	-49.63	1.15	-0.67	-10.33
1,489.00	5.10	307.50	1,485.20	51.21	-56.28	-51.21	0.59	0.00	6.67
1,519.00	5.20	303.20	1,515.08	52.77	-58.48	-52.77	1.33	0.33	-14.33
1,549.00	5.30	300.40	1,544.95	54.22	-60.81	-54.22	0.92	0.33	-9.33
1,569.00	5.50	299.90	1,564.86	55.16	-62.44	-55.16	1.03	1.00	-2.50
1,610.00	5.50	299.90	1,605.67	57.12	-65.85	-57.12	0.00	0.00	0.00
Start 90 ft. Tangent at 1610 MD									
1,700.00	5.50	299.90	1,695.26	61.42	-73.32	-61.42	0.00	0.00	0.00
Nudge KOP- DLS= 1.50/100 MD- TFO -10.39									
1,800.00	6.98	297.67	1,794.66	66.63	-82.86	-66.63	1.50	1.48	-2.23
1,900.00	8.47	296.22	1,893.75	72.71	-94.85	-72.71	1.50	1.49	-1.45
1,915.72	8.70	296.04	1,909.29	73.74	-96.95	-73.74	1.50	1.49	-1.16
EOB -Start 5690 ft. Tangent at 1916 MD									
2,000.00	8.70	296.04	1,992.61	79.34	-108.41	-79.34	0.00	0.00	0.00
2,100.00	8.70	296.04	2,091.46	85.98	-122.01	-85.98	0.00	0.00	0.00
2,200.00	8.70	296.04	2,190.30	92.62	-135.60	-92.62	0.00	0.00	0.00
2,300.00	8.70	296.04	2,289.15	99.27	-149.19	-99.27	0.00	0.00	0.00
2,400.00	8.70	296.04	2,388.00	105.91	-162.79	-105.91	0.00	0.00	0.00
2,500.00	8.70	296.04	2,486.85	112.55	-176.38	-112.55	0.00	0.00	0.00
2,600.00	8.70	296.04	2,585.70	119.19	-189.98	-119.19	0.00	0.00	0.00
2,700.00	8.70	296.04	2,684.55	125.83	-203.57	-125.83	0.00	0.00	0.00
2,800.00	8.70	296.04	2,783.40	132.48	-217.16	-132.48	0.00	0.00	0.00
2,900.00	8.70	296.04	2,882.25	139.12	-230.76	-139.12	0.00	0.00	0.00
3,000.00	8.70	296.04	2,981.09	145.76	-244.35	-145.76	0.00	0.00	0.00
3,100.00	8.70	296.04	3,079.94	152.40	-257.95	-152.40	0.00	0.00	0.00
3,200.00	8.70	296.04	3,178.79	159.04	-271.54	-159.04	0.00	0.00	0.00
3,300.00	8.70	296.04	3,277.64	165.69	-285.13	-165.69	0.00	0.00	0.00
3,400.00	8.70	296.04	3,376.49	172.33	-298.73	-172.33	0.00	0.00	0.00
3,500.00	8.70	296.04	3,475.34	178.97	-312.32	-178.97	0.00	0.00	0.00
3,600.00	8.70	296.04	3,574.19	185.61	-325.92	-185.61	0.00	0.00	0.00
3,700.00	8.70	296.04	3,673.04	192.25	-339.51	-192.25	0.00	0.00	0.00
3,800.00	8.70	296.04	3,771.88	198.90	-353.10	-198.90	0.00	0.00	0.00
3,852.78	8.70	296.04	3,824.06	202.40	-360.28	-202.40	0.00	0.00	0.00
Green River Formation									
3,900.00	8.70	296.04	3,870.73	205.54	-366.70	-205.54	0.00	0.00	0.00
4,000.00	8.70	296.04	3,969.58	212.18	-380.29	-212.18	0.00	0.00	0.00
4,100.00	8.70	296.04	4,068.43	218.82	-393.89	-218.82	0.00	0.00	0.00
4,200.00	8.70	296.04	4,167.28	225.47	-407.48	-225.47	0.00	0.00	0.00
4,300.00	8.70	296.04	4,266.13	232.11	-421.07	-232.11	0.00	0.00	0.00
4,400.00	8.70	296.04	4,364.98	238.75	-434.67	-238.75	0.00	0.00	0.00
4,500.00	8.70	296.04	4,463.83	245.39	-448.26	-245.39	0.00	0.00	0.00
4,600.00	8.70	296.04	4,562.68	252.03	-461.85	-252.03	0.00	0.00	0.00



Planning Report



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Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,700.00	8.70	296.04	4,661.52	258.68	-475.45	-258.68	0.00	0.00	0.00
4,800.00	8.70	296.04	4,760.37	265.32	-489.04	-265.32	0.00	0.00	0.00
4,900.00	8.70	296.04	4,859.22	271.96	-502.64	-271.96	0.00	0.00	0.00
5,000.00	8.70	296.04	4,958.07	278.60	-516.23	-278.60	0.00	0.00	0.00
5,100.00	8.70	296.04	5,056.92	285.24	-529.82	-285.24	0.00	0.00	0.00
5,200.00	8.70	296.04	5,155.77	291.89	-543.42	-291.89	0.00	0.00	0.00
5,300.00	8.70	296.04	5,254.62	298.53	-557.01	-298.53	0.00	0.00	0.00
5,400.00	8.70	296.04	5,353.47	305.17	-570.61	-305.17	0.00	0.00	0.00
5,500.00	8.70	296.04	5,452.31	311.81	-584.20	-311.81	0.00	0.00	0.00
5,600.00	8.70	296.04	5,551.16	318.45	-597.79	-318.45	0.00	0.00	0.00
5,700.00	8.70	296.04	5,650.01	325.10	-611.39	-325.10	0.00	0.00	0.00
5,800.00	8.70	296.04	5,748.86	331.74	-624.98	-331.74	0.00	0.00	0.00
5,819.63	8.70	296.04	5,768.26	333.04	-627.65	-333.04	0.00	0.00	0.00
Trona									
5,863.24	8.70	296.04	5,811.38	335.94	-633.58	-335.94	0.00	0.00	0.00
Mahogany Bench									
5,900.00	8.70	296.04	5,847.71	338.38	-638.58	-338.38	0.00	0.00	0.00
6,000.00	8.70	296.04	5,946.56	345.02	-652.17	-345.02	0.00	0.00	0.00
6,100.00	8.70	296.04	6,045.41	351.67	-665.76	-351.67	0.00	0.00	0.00
6,200.00	8.70	296.04	6,144.26	358.31	-679.36	-358.31	0.00	0.00	0.00
6,300.00	8.70	296.04	6,243.11	364.95	-692.95	-364.95	0.00	0.00	0.00
6,400.00	8.70	296.04	6,341.95	371.59	-706.55	-371.59	0.00	0.00	0.00
6,500.00	8.70	296.04	6,440.80	378.23	-720.14	-378.23	0.00	0.00	0.00
6,600.00	8.70	296.04	6,539.65	384.88	-733.73	-384.88	0.00	0.00	0.00
6,700.00	8.70	296.04	6,638.50	391.52	-747.33	-391.52	0.00	0.00	0.00
6,723.42	8.70	296.04	6,661.65	393.07	-750.51	-393.07	0.00	0.00	0.00
Garden Gulch Member									
6,800.00	8.70	296.04	6,737.35	398.16	-760.92	-398.16	0.00	0.00	0.00
6,900.00	8.70	296.04	6,836.20	404.80	-774.52	-404.80	0.00	0.00	0.00
6,977.01	8.70	296.04	6,912.32	409.92	-784.99	-409.92	0.00	0.00	0.00
Garden Gulch Member-1									
7,000.00	8.70	296.04	6,935.05	411.44	-788.11	-411.44	0.00	0.00	0.00
7,100.00	8.70	296.04	7,033.90	418.09	-801.70	-418.09	0.00	0.00	0.00
7,136.26	8.70	296.04	7,069.74	420.49	-806.63	-420.49	0.00	0.00	0.00
Garden Gulch Member-2									
7,200.00	8.70	296.04	7,132.74	424.73	-815.30	-424.73	0.00	0.00	0.00
7,282.50	8.70	296.04	7,214.29	430.21	-826.51	-430.21	0.00	0.00	0.00
Nudge Pt (1A-15-22-3-2WH)									
7,300.00	8.70	296.04	7,231.59	431.37	-828.89	-431.37	0.00	0.00	0.00
7,400.00	8.70	296.04	7,330.44	438.01	-842.49	-438.01	0.00	0.00	0.00
7,500.00	8.70	296.04	7,429.29	444.65	-856.08	-444.65	0.00	0.00	0.00
7,606.01	8.70	296.04	7,534.08	451.70	-870.49	-451.70	0.00	0.00	0.00
Nudge Drop Rate= -1.50/100 MD (7606 MD)									
7,700.00	7.29	296.04	7,627.15	457.44	-882.24	-457.44	1.50	-1.50	0.00
7,800.00	5.79	296.04	7,726.50	462.44	-892.48	-462.44	1.50	-1.50	0.00
7,863.29	4.84	296.04	7,789.51	465.01	-897.75	-465.01	1.50	-1.50	0.00
Douglas Creek Member									
7,900.00	4.29	296.04	7,826.11	466.30	-900.37	-466.30	1.50	-1.50	0.00
8,000.00	2.79	296.04	7,925.92	469.01	-905.93	-469.01	1.50	-1.50	0.00
8,100.00	1.29	296.04	8,025.85	470.57	-909.13	-470.57	1.50	-1.50	0.00
8,186.16	0.00	0.00	8,112.00	471.00	-910.00	-471.00	1.50	-1.50	0.00



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Nudge Vert. Pt.= 8186 MD- 8112 TVD									
8,200.00	0.00	0.00	8,125.84	471.00	-910.00	-471.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,225.84	471.00	-910.00	-471.00	0.00	0.00	0.00
8,370.91	0.00	0.00	8,296.75	471.00	-910.00	-471.00	0.00	0.00	0.00
B Limestone									
8,400.00	0.00	0.00	8,325.84	471.00	-910.00	-471.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,425.84	471.00	-910.00	-471.00	0.00	0.00	0.00
8,586.16	0.00	0.00	8,512.00	471.00	-910.00	-471.00	0.00	0.00	0.00
Start 50 ft. Tangent at 8586 MD- 8512 TVD									
8,586.91	0.00	0.00	8,512.75	471.00	-910.00	-471.00	0.00	0.00	0.00
Lower Black Shale									
8,600.00	0.00	0.00	8,525.84	471.00	-910.00	-471.00	0.00	0.00	0.00
8,636.16	0.00	0.00	8,562.00	471.00	-910.00	-471.00	0.00	0.00	0.00
Start 35 ft. Tangent at 8636 MD- 8562 TVD - 9-5/8" Csg (8562' TVD)									
8,671.16	0.00	0.00	8,597.00	471.00	-910.00	-471.00	0.00	0.00	0.00
Curve KOP- Build Rate= 15.28°/100 MD									
8,675.00	0.59	180.00	8,600.84	470.98	-910.00	-470.98	15.28	15.28	0.00
8,690.90	3.02	180.00	8,616.73	470.48	-910.00	-470.48	15.28	15.28	0.00
Castle Peak Limestone									
8,700.00	4.41	180.00	8,625.81	469.89	-910.00	-469.89	15.28	15.28	0.00
8,725.00	8.23	180.00	8,650.66	467.14	-910.00	-467.14	15.28	15.28	0.00
8,750.00	12.05	180.00	8,675.26	462.74	-910.00	-462.74	15.28	15.28	0.00
8,775.00	15.86	180.00	8,699.52	456.72	-910.00	-456.72	15.28	15.28	0.00
8,800.00	19.68	180.00	8,723.32	449.08	-910.00	-449.08	15.28	15.28	0.00
8,825.00	23.50	180.00	8,746.56	439.89	-910.00	-439.89	15.28	15.28	0.00
8,850.00	27.32	180.00	8,769.14	429.16	-910.00	-429.16	15.28	15.28	0.00
8,870.05	30.39	180.00	8,786.70	419.48	-910.00	-419.48	15.28	15.28	0.00
CP LIMES_2									
8,875.00	31.14	180.00	8,790.95	416.95	-910.00	-416.95	15.28	15.28	0.00
8,900.00	34.96	180.00	8,811.90	403.32	-910.00	-403.32	15.28	15.28	0.00
8,915.84	37.38	180.00	8,824.69	393.97	-910.00	-393.97	15.28	15.28	0.00
Ute.Butte-A									
8,925.00	38.78	180.00	8,831.90	388.32	-910.00	-388.32	15.28	15.28	0.00
8,950.00	42.60	180.00	8,850.85	372.03	-910.00	-372.03	15.28	15.28	0.00
8,975.00	46.42	180.00	8,868.68	354.50	-910.00	-354.50	15.28	15.28	0.00
9,000.00	50.24	180.00	8,885.29	335.83	-910.00	-335.83	15.28	15.28	0.00
9,025.00	54.06	180.00	8,900.63	316.10	-910.00	-316.10	15.28	15.28	0.00
9,034.78	55.55	180.00	8,906.27	308.11	-910.00	-308.11	15.28	15.28	0.00
Uteland Butte Top									
9,050.00	57.88	180.00	8,914.62	295.38	-910.00	-295.38	15.28	15.28	0.00
9,075.00	61.70	180.00	8,927.20	273.78	-910.00	-273.78	15.28	15.28	0.00
9,084.44	63.14	180.00	8,931.57	265.42	-910.00	-265.42	15.28	15.28	0.00
Ute.Butte-B									
9,100.00	65.52	180.00	8,938.31	251.39	-910.00	-251.39	15.28	15.28	0.00
9,125.00	69.34	180.00	8,947.90	228.31	-910.00	-228.31	15.28	15.28	0.00
9,150.00	73.16	180.00	8,955.94	204.64	-910.00	-204.64	15.28	15.28	0.00
9,153.74	73.73	180.00	8,957.01	201.06	-910.00	-201.06	15.28	15.28	0.00
Ute.Butte-C									
9,175.00	76.98	180.00	8,962.38	180.49	-910.00	-180.49	15.28	15.28	0.00
9,190.59	79.36	180.00	8,965.58	165.23	-910.00	-165.23	15.28	15.28	0.00



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Ute.Butte-C_PZ1									
9,200.00	80.79	180.00	8,967.20	155.96	-910.00	-155.96	15.28	15.28	0.00
9,225.00	84.61	180.00	8,970.37	131.17	-910.00	-131.17	15.28	15.28	0.00
9,250.00	88.43	180.00	8,971.89	106.22	-910.00	-106.22	15.28	15.28	0.00
9,255.54	89.28	180.00	8,972.00	100.68	-910.00	-100.68	15.27	15.27	0.00
Soft Landing Pt.(89.28°)= 9256 MD- 8972 TVD - Soft Landing Pt. (89.28°) (1A-15-22-3-2WH)									
9,255.71	89.28	180.00	8,972.00	100.52	-910.00	-100.52	0.00	0.00	0.00
Landing Tgt (89.28°)									
9,300.00	89.28	180.00	8,972.56	56.23	-910.00	-56.23	0.00	0.00	0.00
9,395.54	89.28	180.00	8,973.76	-39.31	-910.00	39.31	0.00	0.00	0.00
Curve DLS= 3.00/100 MD- TFO -24.52									
9,400.00	89.40	179.94	8,973.81	-43.77	-910.00	43.77	3.00	2.73	-1.25
9,437.22	90.42	179.48	8,973.87	-80.98	-909.81	80.98	3.00	2.73	-1.25
LATERAL TARGET BOX (1A-15-22-3-2WH AUBREY)									
9,437.31	90.42	179.48	8,973.87	-81.07	-909.81	81.07	3.00	2.73	-1.25
330' Setback (FNL Sec. 15) Curve DLS= 3.00/100 MD- TFO 0.00									
9,437.39	90.42	179.48	8,973.87	-81.16	-909.81	81.16	0.00	0.00	0.00
Top Prod. (1A-15-22-3-2WH AUBREY)									
9,479.44	91.68	179.48	8,973.10	-123.20	-909.43	123.20	3.01	3.01	0.00
Horz. Landing Tgt C-PZ2 (92.29°)									
9,499.31	92.28	179.48	8,972.41	-143.05	-909.25	143.05	3.00	3.00	0.00
Horz. Landing Pt.(92.28°)= 9499 MD- 8972 TVD									
9,600.00	92.28	179.48	8,968.40	-243.66	-908.33	243.66	0.00	0.00	0.00
9,700.00	92.28	179.48	8,964.42	-343.57	-907.43	343.57	0.00	0.00	0.00
9,800.00	92.28	179.48	8,960.45	-443.49	-906.52	443.49	0.00	0.00	0.00
9,900.00	92.28	179.48	8,956.47	-543.41	-905.61	543.41	0.00	0.00	0.00
10,000.00	92.28	179.48	8,952.49	-643.32	-904.71	643.32	0.00	0.00	0.00
10,100.00	92.28	179.48	8,948.51	-743.24	-903.80	743.24	0.00	0.00	0.00
10,200.00	92.28	179.48	8,944.53	-843.16	-902.89	843.16	0.00	0.00	0.00
10,300.00	92.28	179.48	8,940.55	-943.08	-901.99	943.08	0.00	0.00	0.00
10,400.00	92.28	179.48	8,936.58	-1,042.99	-901.08	1,042.99	0.00	0.00	0.00
10,500.00	92.28	179.48	8,932.60	-1,142.91	-900.17	1,142.91	0.00	0.00	0.00
10,600.00	92.28	179.48	8,928.62	-1,242.83	-899.27	1,242.83	0.00	0.00	0.00
10,700.00	92.28	179.48	8,924.64	-1,342.74	-898.36	1,342.74	0.00	0.00	0.00
10,800.00	92.28	179.48	8,920.66	-1,442.66	-897.45	1,442.66	0.00	0.00	0.00
10,900.00	92.28	179.48	8,916.68	-1,542.58	-896.55	1,542.58	0.00	0.00	0.00
11,000.00	92.28	179.48	8,912.71	-1,642.49	-895.64	1,642.49	0.00	0.00	0.00
11,100.00	92.28	179.48	8,908.73	-1,742.41	-894.73	1,742.41	0.00	0.00	0.00
11,200.00	92.28	179.48	8,904.75	-1,842.33	-893.83	1,842.33	0.00	0.00	0.00
11,300.00	92.28	179.48	8,900.77	-1,942.24	-892.92	1,942.24	0.00	0.00	0.00
11,400.00	92.28	179.48	8,896.79	-2,042.16	-892.01	2,042.16	0.00	0.00	0.00
11,500.00	92.28	179.48	8,892.81	-2,142.08	-891.10	2,142.08	0.00	0.00	0.00
11,600.00	92.28	179.48	8,888.84	-2,241.99	-890.20	2,241.99	0.00	0.00	0.00
11,700.00	92.28	179.48	8,884.86	-2,341.91	-889.29	2,341.91	0.00	0.00	0.00
11,800.00	92.28	179.48	8,880.88	-2,441.83	-888.38	2,441.83	0.00	0.00	0.00
11,900.00	92.28	179.48	8,876.90	-2,541.74	-887.48	2,541.74	0.00	0.00	0.00
12,000.00	92.28	179.48	8,872.92	-2,641.66	-886.57	2,641.66	0.00	0.00	0.00
12,100.00	92.28	179.48	8,868.94	-2,741.58	-885.66	2,741.58	0.00	0.00	0.00
12,200.00	92.28	179.48	8,864.97	-2,841.49	-884.76	2,841.49	0.00	0.00	0.00
12,300.00	92.28	179.48	8,860.99	-2,941.41	-883.85	2,941.41	0.00	0.00	0.00
12,400.00	92.28	179.48	8,857.01	-3,041.33	-882.94	3,041.33	0.00	0.00	0.00



Planning Report



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Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
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Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,500.00	92.28	179.48	8,853.03	-3,141.24	-882.04	3,141.24	0.00	0.00	0.00
12,600.00	92.28	179.48	8,849.05	-3,241.16	-881.13	3,241.16	0.00	0.00	0.00
12,700.00	92.28	179.48	8,845.07	-3,341.08	-880.22	3,341.08	0.00	0.00	0.00
12,800.00	92.28	179.48	8,841.10	-3,440.99	-879.32	3,440.99	0.00	0.00	0.00
12,900.00	92.28	179.48	8,837.12	-3,540.91	-878.41	3,540.91	0.00	0.00	0.00
13,000.00	92.28	179.48	8,833.14	-3,640.83	-877.50	3,640.83	0.00	0.00	0.00
13,100.00	92.28	179.48	8,829.16	-3,740.74	-876.60	3,740.74	0.00	0.00	0.00
13,200.00	92.28	179.48	8,825.18	-3,840.66	-875.69	3,840.66	0.00	0.00	0.00
13,300.00	92.28	179.48	8,821.21	-3,940.58	-874.78	3,940.58	0.00	0.00	0.00
13,400.00	92.28	179.48	8,817.23	-4,040.49	-873.87	4,040.49	0.00	0.00	0.00
13,500.00	92.28	179.48	8,813.25	-4,140.41	-872.97	4,140.41	0.00	0.00	0.00
13,600.00	92.28	179.48	8,809.27	-4,240.33	-872.06	4,240.33	0.00	0.00	0.00
13,700.00	92.28	179.48	8,805.29	-4,340.24	-871.15	4,340.24	0.00	0.00	0.00
13,800.00	92.28	179.48	8,801.31	-4,440.16	-870.25	4,440.16	0.00	0.00	0.00
13,900.00	92.28	179.48	8,797.34	-4,540.08	-869.34	4,540.08	0.00	0.00	0.00
14,000.00	92.28	179.48	8,793.36	-4,639.99	-868.43	4,639.99	0.00	0.00	0.00
14,100.00	92.28	179.48	8,789.38	-4,739.91	-867.53	4,739.91	0.00	0.00	0.00
14,200.00	92.28	179.48	8,785.40	-4,839.83	-866.62	4,839.83	0.00	0.00	0.00
14,300.00	92.28	179.48	8,781.42	-4,939.74	-865.71	4,939.74	0.00	0.00	0.00
14,400.00	92.28	179.48	8,777.44	-5,039.66	-864.81	5,039.66	0.00	0.00	0.00
14,500.00	92.28	179.48	8,773.47	-5,139.58	-863.90	5,139.58	0.00	0.00	0.00
14,600.00	92.28	179.48	8,769.49	-5,239.49	-862.99	5,239.49	0.00	0.00	0.00
14,700.00	92.28	179.48	8,765.51	-5,339.41	-862.09	5,339.41	0.00	0.00	0.00
14,800.00	92.28	179.48	8,761.53	-5,439.33	-861.18	5,439.33	0.00	0.00	0.00
14,900.00	92.28	179.48	8,757.55	-5,539.24	-860.27	5,539.24	0.00	0.00	0.00
15,000.00	92.28	179.48	8,753.57	-5,639.16	-859.37	5,639.16	0.00	0.00	0.00
15,100.00	92.28	179.48	8,749.60	-5,739.08	-858.46	5,739.08	0.00	0.00	0.00
15,200.00	92.28	179.48	8,745.62	-5,838.99	-857.55	5,838.99	0.00	0.00	0.00
15,300.00	92.28	179.48	8,741.64	-5,938.91	-856.64	5,938.91	0.00	0.00	0.00
15,400.00	92.28	179.48	8,737.66	-6,038.83	-855.74	6,038.83	0.00	0.00	0.00
15,500.00	92.28	179.48	8,733.68	-6,138.74	-854.83	6,138.74	0.00	0.00	0.00
15,600.00	92.28	179.48	8,729.70	-6,238.66	-853.92	6,238.66	0.00	0.00	0.00
15,700.00	92.28	179.48	8,725.73	-6,338.58	-853.02	6,338.58	0.00	0.00	0.00
15,800.00	92.28	179.48	8,721.75	-6,438.49	-852.11	6,438.49	0.00	0.00	0.00
15,900.00	92.28	179.48	8,717.77	-6,538.41	-851.20	6,538.41	0.00	0.00	0.00
16,000.00	92.28	179.48	8,713.79	-6,638.33	-850.30	6,638.33	0.00	0.00	0.00
16,100.00	92.28	179.48	8,709.81	-6,738.24	-849.39	6,738.24	0.00	0.00	0.00
16,200.00	92.28	179.48	8,705.83	-6,838.16	-848.48	6,838.16	0.00	0.00	0.00
16,300.00	92.28	179.48	8,701.86	-6,938.08	-847.58	6,938.08	0.00	0.00	0.00
16,400.00	92.28	179.48	8,697.88	-7,038.00	-846.67	7,038.00	0.00	0.00	0.00
16,500.00	92.28	179.48	8,693.90	-7,137.91	-845.76	7,137.91	0.00	0.00	0.00
16,600.00	92.28	179.48	8,689.92	-7,237.83	-844.86	7,237.83	0.00	0.00	0.00
16,700.00	92.28	179.48	8,685.94	-7,337.75	-843.95	7,337.75	0.00	0.00	0.00
16,800.00	92.28	179.48	8,681.96	-7,437.66	-843.04	7,437.66	0.00	0.00	0.00
16,900.00	92.28	179.48	8,677.99	-7,537.58	-842.14	7,537.58	0.00	0.00	0.00
17,000.00	92.28	179.48	8,674.01	-7,637.50	-841.23	7,637.50	0.00	0.00	0.00
17,100.00	92.28	179.48	8,670.03	-7,737.41	-840.32	7,737.41	0.00	0.00	0.00
17,200.00	92.28	179.48	8,666.05	-7,837.33	-839.41	7,837.33	0.00	0.00	0.00
17,300.00	92.28	179.48	8,662.07	-7,937.25	-838.51	7,937.25	0.00	0.00	0.00
17,400.00	92.28	179.48	8,658.09	-8,037.16	-837.60	8,037.16	0.00	0.00	0.00
17,500.00	92.28	179.48	8,654.12	-8,137.08	-836.69	8,137.08	0.00	0.00	0.00
17,600.00	92.28	179.48	8,650.14	-8,237.00	-835.79	8,237.00	0.00	0.00	0.00



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,700.00	92.28	179.48	8,646.16	-8,336.91	-834.88	8,336.91	0.00	0.00	0.00
17,800.00	92.28	179.48	8,642.18	-8,436.83	-833.97	8,436.83	0.00	0.00	0.00
17,900.00	92.28	179.48	8,638.20	-8,536.75	-833.07	8,536.75	0.00	0.00	0.00
18,000.00	92.28	179.48	8,634.23	-8,636.66	-832.16	8,636.66	0.00	0.00	0.00
18,100.00	92.28	179.48	8,630.25	-8,736.58	-831.25	8,736.58	0.00	0.00	0.00
18,200.00	92.28	179.48	8,626.27	-8,836.50	-830.35	8,836.50	0.00	0.00	0.00
18,300.00	92.28	179.48	8,622.29	-8,936.41	-829.44	8,936.41	0.00	0.00	0.00
18,400.00	92.28	179.48	8,618.31	-9,036.33	-828.53	9,036.33	0.00	0.00	0.00
18,500.00	92.28	179.48	8,614.33	-9,136.25	-827.63	9,136.25	0.00	0.00	0.00
18,600.00	92.28	179.48	8,610.36	-9,236.16	-826.72	9,236.16	0.00	0.00	0.00
18,700.00	92.28	179.48	8,606.38	-9,336.08	-825.81	9,336.08	0.00	0.00	0.00
18,800.00	92.28	179.48	8,602.40	-9,436.00	-824.91	9,436.00	0.00	0.00	0.00
18,900.00	92.28	179.48	8,598.42	-9,535.91	-824.00	9,535.91	0.00	0.00	0.00
19,000.00	92.28	179.48	8,594.44	-9,635.83	-823.09	9,635.83	0.00	0.00	0.00
19,100.00	92.28	179.48	8,590.46	-9,735.75	-822.19	9,735.75	0.00	0.00	0.00
19,200.00	92.28	179.48	8,586.49	-9,835.66	-821.28	9,835.66	0.00	0.00	0.00
19,300.00	92.28	179.48	8,582.51	-9,935.58	-820.37	9,935.58	0.00	0.00	0.00
19,393.06	92.28	179.48	8,578.80	-10,028.56	-819.53	10,028.56	0.00	0.00	0.00
Cut Pt (330' FSL Sec.22)= 19393 MD- 8579 TVD - 330' SETBACK PT. (1A-15-22-3-2WH AUBREY)									
19,400.00	92.28	179.48	8,578.53	-10,035.50	-819.46	10,035.50	0.00	0.00	0.00
19,498.06	92.28	179.48	8,574.63	-10,133.47	-818.58	10,133.47	0.00	0.00	0.00
TD (105' pass 330' Setback)= 19498 MD- 8575 TVD - TD (105' f/ 330' Setback)(1A-15-22-3-2WH AUBREY) - Sec. 22, T3S-R									



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Design Targets

Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
SEC. 3, T3S-R2W, 33		0.00	0.00	-1.00	10,428.60	-4,854.52	7,265,565.00	2,030,305.00	40° 15' 26.988 N	110° 6' 10.549 W
- plan misses target center by 11503.13usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				-1.00	0.00	0.00	7,265,565.00	2,030,305.00		
Point 2				-1.00	8.45	667.22	7,265,584.00	2,030,972.00		
Point 3				-1.00	25.45	1,995.65	7,265,622.00	2,032,300.00		
Point 4				-1.00	52.47	3,976.33	7,265,680.34	2,034,280.00		
Point 5				-1.00	52.47	3,976.33	7,265,680.34	2,034,280.00		
Point 6				-1.00	25.45	1,995.65	7,265,622.00	2,032,300.00		
Point 7				-1.00	8.45	667.22	7,265,584.00	2,030,972.00		
Point 8				-1.00	0.00	0.00	7,265,565.00	2,030,305.00		
SEC. 10, T3S-R2W, 3		0.00	0.00	-1.00	570.00	-4,844.42	7,255,707.80	2,030,471.00	40° 13' 49.558 N	110° 6' 10.394 W
- plan misses target center by 4877.84usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				-1.00	0.00	0.00	7,255,707.80	2,030,471.00		
Point 2				-1.00	4.88	2,012.33	7,255,744.50	2,032,483.00		
Point 3				-1.00	9.64	3,981.65	7,255,780.40	2,034,452.00		
Point 4				-1.00	9.64	3,981.65	7,255,780.40	2,034,452.00		
Point 5				-1.00	4.88	2,012.33	7,255,744.50	2,032,483.00		
Point 6				-1.00	0.00	0.00	7,255,707.80	2,030,471.00		
SEC. 14, T3S-R2W,		0.00	0.00	-1.00	255.52	5,096.19	7,255,550.55	2,040,415.34	40° 13' 46.450 N	110° 4' 2.220 W
- plan misses target center by 5102.59usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				-1.00	0.00	0.00	7,255,550.55	2,040,415.34		
Point 2				-1.00	-5,310.27	10.40	7,250,241.11	2,040,509.71		
Point 3				-1.00	-5,307.64	-2,608.45	7,250,202.33	2,037,891.15		
Point 4				-1.00	-5,304.72	-5,226.51	7,250,163.84	2,035,273.37		
Point 5				-1.00	-2,632.39	-5,292.43	7,252,834.80	2,035,165.20		
Point 6				-1.00	-4.56	-5,297.84	7,255,462.21	2,035,118.23		
Point 7				-1.00	-1.26	-1,340.94	7,255,528.09	2,039,074.58		
Point 8				-1.00	0.00	0.00	7,255,550.55	2,040,415.34		
Sec. 15, T3S-R2W, 33		0.00	0.00	-1.00	-89.44	-4,825.85	7,255,048.73	2,030,500.00	40° 13' 43.041 N	110° 6' 10.153 W
- plan misses target center by 4826.68usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				-1.00	0.00	0.00	7,255,048.73	2,030,500.00		
Point 2				-1.00	4.76	2,002.33	7,255,085.15	2,032,502.00		
Point 3				-1.00	8.66	3,967.63	7,255,120.13	2,034,467.00		
Point 4				-1.00	8.66	3,967.63	7,255,120.13	2,034,467.00		
Point 5				-1.00	4.76	2,002.33	7,255,085.15	2,032,502.00		
Point 6				-1.00	0.00	0.00	7,255,048.73	2,030,500.00		
Sec. 22, T3S-R2W, 33		0.00	0.00	-1.00	-10,068.74	-4,685.63	7,245,072.90	2,030,798.00	40° 12' 4.419 N	110° 6' 8.321 W
- plan misses target center by 9407.43usft at 19498.06usft MD (8574.63 TVD, -10133.47 N, -818.58 E)										
- Polygon										
Point 1				-1.00	0.00	0.00	7,245,072.90	2,030,798.00		
Point 2				-1.00	7.98	646.21	7,245,091.10	2,031,444.00		
Point 3				-1.00	40.05	3,911.12	7,245,174.79	2,034,708.00		
Point 4				-1.00	40.05	3,911.12	7,245,174.79	2,034,708.00		
Point 5				-1.00	7.98	646.21	7,245,091.10	2,031,444.00		
Point 6				-1.00	0.00	0.00	7,245,072.90	2,030,798.00		
Sec. 15, T3S-R2W,		0.00	0.00	58.00	250.96	-201.65	7,255,462.21	2,035,118.24	40° 13' 46.410 N	110° 5' 10.530 W
- plan misses target center by 321.99usft at 57.61usft MD (57.61 TVD, 0.00 N, 0.09 E)										
- Polygon										
Point 1				58.00	0.00	0.00	7,255,462.21	2,035,118.24		



Planning Report



Database:		EDM 5000.1 Lynn Db				Local Co-ordinate Reference:		Well 1A-15-22-3-2WH	
Company:		NEWFIELD EXPLORATION ROCKY MOUNTAINS				TVD Reference:		WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))	
Project:		DUCHESNE COUNTY, UT (NAD 83)				MD Reference:		WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))	
Site:		CENTRAL BASIN (NAD 83)				North Reference:		True	
Well:		1A-15-22-3-2WH				Survey Calculation Method:		Minimum Curvature	
Wellbore:		1A-15-22-3-2WH AUBREY							
Design:		1A-15-22-3-2WH AUBREY Rev02							
Point 2		58.00	-2,627.83	5.41	7,252,834.80	2,035,165.20			
Point 3		58.00	-5,300.16	71.33	7,250,163.84	2,035,273.37			
Point 4		58.00	-5,357.26	-5,174.90	7,250,023.79	2,030,028.70			
Point 5		58.00	-12.55	-5,301.72	7,255,365.82	2,029,817.38			
Point 6		58.00	-5.92	-2,625.26	7,255,414.78	2,032,493.40			
Point 7		58.00	0.00	0.00	7,255,462.21	2,035,118.24			
Sec. 22, T3S-R2W,	0.00	0.00	58.00	-5,049.20	-130.32	7,250,163.84	2,035,273.37	40° 12' 54.030 N	110° 5' 9.610 W
- plan misses target center by 5050.89usft at 57.56usft MD (57.56 TVD, 0.00 N, 0.09 E)									
- Polygon									
Point 1		58.00	0.00	0.00	7,250,163.84	2,035,273.37			
Point 2		58.00	-1,324.52	5.43	7,248,839.57	2,035,299.74			
Point 3		58.00	-5,302.15	20.15	7,244,862.67	2,035,377.36			
Point 4		58.00	-5,341.28	-3,898.87	7,244,761.57	2,031,459.45			
Point 5		58.00	-5,358.25	-5,208.57	7,244,723.90	2,030,150.18			
Point 6		58.00	-57.10	-5,246.23	7,250,023.79	2,030,028.70			
Point 7		58.00	0.00	0.00	7,250,163.84	2,035,273.37			
SEC. 10, T3S-R2W,	0.00	0.00	58.00	5,512.68	-223.31	7,260,722.93	2,035,013.37	40° 14' 38.410 N	110° 5' 10.810 W
- plan misses target center by 5517.20usft at 57.69usft MD (57.69 TVD, 0.00 N, 0.09 E)									
- Polygon									
Point 1		58.00	0.00	0.00	7,260,722.93	2,035,013.37			
Point 2		58.00	-2,629.86	13.15	7,258,093.61	2,035,068.11			
Point 3		58.00	-5,261.72	21.67	7,255,462.21	2,035,118.24			
Point 4		58.00	-5,267.64	-2,603.59	7,255,414.78	2,032,493.40			
Point 5		58.00	-5,274.27	-5,280.05	7,255,365.82	2,029,817.38			
Point 6		58.00	-18.63	-5,275.01	7,260,620.89	2,029,739.31			
Point 7		58.00	-3.88	-2,635.57	7,260,677.37	2,032,378.19			
Point 8		58.00	0.00	0.00	7,260,722.93	2,035,013.37			
Sec. 11, T3S-R2W,	0.00	0.00	61.00	5,531.40	5,085.81	7,260,825.61	2,040,321.53	40° 14' 38.590 N	110° 4' 2.340 W
- plan misses target center by 7514.01usft at 83.94usft MD (83.94 TVD, 0.00 N, 0.19 E)									
- Polygon									
Point 1		61.00	0.00	0.00	7,260,825.61	2,040,321.53			
Point 2		61.00	-5,275.88	10.38	7,255,550.55	2,040,415.34			
Point 3		61.00	-5,277.14	-1,330.56	7,255,528.09	2,039,074.59			
Point 4		61.00	-5,280.45	-5,287.45	7,255,462.21	2,035,118.24			
Point 5		61.00	-2,648.58	-5,295.97	7,258,093.61	2,035,068.11			
Point 6		61.00	-18.73	-5,309.12	7,260,722.93	2,035,013.37			
Point 7		61.00	-10.52	-2,647.97	7,260,773.22	2,037,674.06			
Point 8		61.00	0.00	0.00	7,260,825.61	2,040,321.53			
SEC. 3 & 10, T3S-R2W,	0.00	0.00	77.00	909.69	-863.17	7,256,110.40	2,034,446.38	40° 13' 52.920 N	110° 5' 19.060 W
- plan misses target center by 1254.14usft at 74.03usft MD (74.03 TVD, 0.00 N, 0.15 E)									
- Polygon									
Point 1		77.00	0.00	0.00	7,256,110.40	2,034,446.38			
Point 2		77.00	1,970.11	-6.14	7,258,080.17	2,034,409.09			
Point 3		77.00	3,942.25	-16.92	7,260,051.89	2,034,367.12			
Point 4		77.00	5,261.73	-19.21	7,261,371.17	2,034,343.97			
Point 5		77.00	7,235.89	-16.81	7,263,345.12	2,034,315.15			
Point 6		77.00	8,548.30	-15.21	7,264,657.39	2,034,295.99			
Point 7		77.00	9,236.37	-14.41	7,265,345.39	2,034,285.91			
Point 8		77.00	9,236.37	-14.41	7,265,345.39	2,034,285.91			
Point 9		77.00	8,548.30	-15.21	7,264,657.39	2,034,295.99			
Point 10		77.00	7,235.89	-16.81	7,263,345.12	2,034,315.15			
Point 11		77.00	5,261.73	-19.21	7,261,371.17	2,034,343.97			
Point 12		77.00	3,942.25	-16.92	7,260,051.89	2,034,367.12			
Point 13		77.00	1,970.11	-6.14	7,258,080.17	2,034,409.09			
Point 14		77.00	0.00	0.00	7,256,110.40	2,034,446.38			
SEC. 15 & 22, T3S-R2W,	0.00	0.00	159.00	-80.78	-858.21	7,255,120.13	2,034,467.00	40° 13' 43.131 N	110° 5' 18.996 W
- plan misses target center by 862.62usft at 154.50usft MD (154.50 TVD, 0.00 N, 0.61 E)									
- Polygon									
Point 1		159.00	0.00	0.00	7,255,120.13	2,034,467.00			
Point 2		159.00	-330.01	-1.90	7,254,790.13	2,034,470.32			



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Point 3	159.00	-2,304.17	1.90	7,252,816.28	2,034,505.34			
Point 4	159.00	-4,315.75	51.48	7,250,805.73	2,034,586.72			
Point 5	159.00	-5,635.22	70.84	7,249,486.73	2,034,626.94			
Point 6	159.00	-6,295.97	73.92	7,248,826.12	2,034,640.47			
Point 7	159.00	-9,617.91	86.23	7,245,504.79	2,034,705.31			
Point 8	159.00	-9,947.91	83.70	7,245,174.79	2,034,708.00			
Point 9	159.00	-9,947.91	83.70	7,245,174.79	2,034,708.00			
Point 10	159.00	-9,617.91	86.23	7,245,504.79	2,034,705.31			
Point 11	159.00	-6,295.97	73.92	7,248,826.12	2,034,640.47			
Point 12	159.00	-5,635.22	70.84	7,249,486.73	2,034,626.94			
Point 13	159.00	-4,315.75	51.48	7,250,805.73	2,034,586.72			
Point 14	159.00	-2,304.17	1.90	7,252,816.28	2,034,505.34			
Point 15	159.00	-330.01	-1.90	7,254,790.13	2,034,470.32			
Point 16	159.00	0.00	0.00	7,255,120.13	2,034,467.00			
SEC. 15 & 22, T3S-R:	0.00	0.00	159.00	-89.44	-4,825.85	7,255,048.73	2,030,500.00	40° 13' 43.041 N 110° 6' 10.153 W
- plan misses target center by 4827.22usft at 130.00usft MD (130.00 TVD, 0.01 N, 0.45 E)								
- Polygon								
Point 1	159.00	0.00	0.00	7,255,048.73	2,030,500.00			
Point 2	159.00	-330.01	-2.13	7,254,718.73	2,030,503.09			
Point 3	159.00	-4,350.17	94.05	7,250,700.59	2,030,662.83			
Point 4	159.00	-5,669.64	113.97	7,249,381.60	2,030,703.61			
Point 5	159.00	-9,649.29	142.70	7,245,402.90	2,030,795.27			
Point 6	159.00	-9,979.30	140.21	7,245,072.90	2,030,798.00			
Point 7	159.00	-9,979.30	140.21	7,245,072.90	2,030,798.00			
Point 8	159.00	-9,649.29	142.70	7,245,402.90	2,030,795.27			
Point 9	159.00	-5,669.64	113.97	7,249,381.60	2,030,703.61			
Point 10	159.00	-4,350.17	94.05	7,250,700.59	2,030,662.83			
Point 11	159.00	-330.01	-2.13	7,254,718.73	2,030,503.09			
Point 12	159.00	0.00	0.00	7,255,048.73	2,030,500.00			
Nudge Pt (1A-15-22-3	0.00	0.00	7,200.00	472.00	-910.00	7,255,672.03	2,034,406.47	40° 13' 48.594 N 110° 5' 19.664 W
- plan misses target center by 94.45usft at 7282.50usft MD (7214.29 TVD, 430.21 N, -826.51 E)								
- Point								
TD (105' f/ 330' Setba	0.00	0.00	8,574.51	-10,133.47	-818.85	7,245,069.32	2,034,665.32	40° 12' 3.783 N 110° 5' 18.484 W
- plan misses target center by 0.30usft at 19498.06usft MD (8574.63 TVD, -10133.47 N, -818.58 E)								
- Circle (radius 10.00)								
330' SETBACK PT. (1	0.00	0.00	8,578.68	-10,028.56	-819.80	7,245,174.21	2,034,662.71	40° 12' 4.820 N 110° 5' 18.496 W
- plan misses target center by 0.30usft at 19393.06usft MD (8578.80 TVD, -10028.56 N, -819.53 E)								
- Rectangle (sides W0.00 H0.00 D600.00)								
LATERAL TARGET B	-2.28	179.48	8,964.75	-81.00	-910.88	7,255,119.08	2,034,414.34	40° 13' 43.129 N 110° 5' 19.675 W
- plan misses target center by 9.18usft at 9437.29usft MD (8973.87 TVD, -81.06 N, -909.81 E)								
- Rectangle (sides W100.00 H9,955.00 D0.00)								
Top Prod. (1A-15-22-3	0.00	0.00	8,964.75	-81.00	-910.88	7,255,119.08	2,034,414.34	40° 13' 43.129 N 110° 5' 19.675 W
- plan misses target center by 9.18usft at 9437.29usft MD (8973.87 TVD, -81.06 N, -909.81 E)								
- Rectangle (sides W0.00 H0.00 D800.00)								
Soft Landing Pt. (89.2	0.00	0.00	8,972.00	100.68	-910.00	7,255,300.75	2,034,412.35	40° 13' 44.925 N 110° 5' 19.663 W
- plan hits target center								
- Point								

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")	
8,636.16	8,562.00	9-5/8" Csg (8562' TVD)		9-5/8	9-5/8	



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 1A-15-22-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+ 27'= 5,443' MSL) @ 5443.00usft (Pioneer 78 (KB =27'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	1A-15-22-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	1A-15-22-3-2WH AUBREY		
Design:	1A-15-22-3-2WH AUBREY Rev02		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,852.78	-1,618.94	Green River Formation		-2.28	180.00
4,444.00	0.00	Ute.Butte-D		-2.28	180.00
4,444.00	0.00	Wasatch Top		-2.28	180.00
5,819.63	325.26	Trona		-2.28	180.00
5,863.24	368.38	Mahogany Bench		-2.28	180.00
6,723.42	1,218.65	Garden Gulch Member		-2.28	180.00
6,977.01	1,469.32	Garden Gulch Member-1		-2.28	180.00
7,136.26	1,626.74	Garden Gulch Member-2		-2.28	180.00
7,863.29	2,346.51	Douglas Creek Member		-2.28	180.00
8,370.91	2,853.75	B Limestone		-2.28	180.00
8,586.91	3,069.75	Lower Black Shale		-2.28	180.00
8,690.90	3,173.73	Castle Peak Limestone		-2.28	180.00
8,870.05	3,343.70	CP LIMES_2		-2.28	180.00
8,915.84	3,381.69	Ute.Butte-A		-2.28	180.00
9,034.78	3,463.27	Uteland Butte Top		-2.28	180.00
9,084.44	3,488.57	Ute.Butte-B		-2.28	180.00
9,153.74	3,514.01	Ute.Butte-C		-2.28	180.00
9,190.59	3,522.58	Ute.Butte-C_PZ1		-2.28	180.00
9,255.71	3,529.00	Landing Tgt (89.28°)		-2.28	180.00
9,479.44	3,530.10	Horz. Landing Tgt C-PZ2 (92.29°)		-2.28	180.00

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,610.00	1,605.67	57.12	-65.85	Start 90 ft. Tangent at 1610 MD
1,700.00	1,695.26	61.42	-73.32	Nudge KOP- DLS= 1.50/100 MD- TFO -10.39
1,915.72	1,909.29	73.74	-96.95	EOB -Start 5690 ft. Tangent at 1916 MD
7,606.01	7,534.08	451.70	-870.49	Nudge Drop Rate= -1.50/100 MD (7606 MD)
8,186.16	8,112.00	471.00	-910.00	Nudge Vert. Pt.= 8186 MD- 8112 TVD
8,586.16	8,512.00	471.00	-910.00	Start 50 ft. Tangent at 8586 MD- 8512 TVD
8,636.16	8,562.00	471.00	-910.00	Start 35 ft. Tangent at 8636 MD- 8562 TVD
8,671.16	8,597.00	471.00	-910.00	Curve KOP- Build Rate= 15.28°/100 MD
9,255.54	8,972.00	100.68	-910.00	Soft Landing Pt.(89.28°)= 9256 MD- 8972 TVD
9,395.54	8,973.76	-39.31	-910.00	Curve DLS= 3.00/100 MD- TFO -24.52
9,437.31	8,973.87	-81.07	-909.81	330' Setback (FNL Sec. 15) Curve DLS= 3.00/100 MD- TFO 0.00
9,499.31	8,972.41	-143.05	-909.25	Horz. Landing Pt.(92.28°)= 9499 MD- 8972 TVD
19,393.06	8,578.81	-10,028.56	-819.53	Cut Pt (330' FSL Sec.22)= 19393 MD- 8579 TVD
19,498.06	8,574.63	-10,133.47	-818.58	TD (105' pass 330' Setback)= 19498 MD- 8575 TVD



EAGER BEAVER TESTERS INC.

P.O. BOX 1616

ROCK SPRINGS, WY 82902

PHONE:
ROCK SPRINGS: (307) 382-3350

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APR 14 2014

BOP TEST REPORT

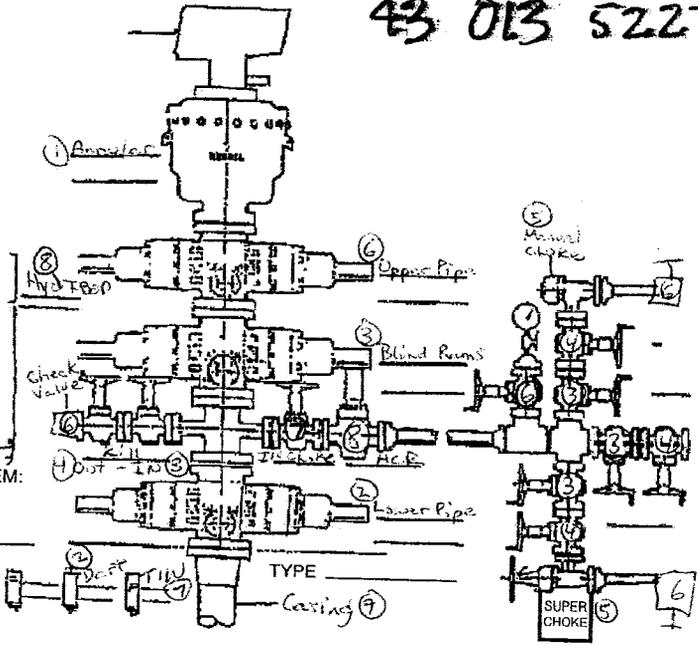
DATE: 4/10 OPERATOR: Newfield RIG OR SITE #: Panner 78 SEC: 14 TNSHIP: 35 RANGE: 2W

FIELD: Central Basin WELL #: Aubrey 1A-15-22-3-2WH TEST PRESSURE: _____

EQUIPMENT PRESSURE TESTED:

ANNULAR 50%	1
UPPER PIPE RAMS	6
LOWER PIPE RAMS	2
BLIND RAMS	3
KILL LINE VALVES	3, 4, 6
HCR VALVE	8
CHOKE VALVES	7
MANIFOLD VALVES	3, 4, 6
SUPER CHOKE	5
MANUAL CHOKE	5
UPPER KELLY VALVE	8
LOWER KELLY VALVE	6
INSIDE BOP	2
FLOOR VALVE	7
CASING PRE. 1900 PSI	9
mudline 5000	2

43 013 52270



ACCUMULATOR AND CLOSING SYSTEM:

NITROGEN PRECHARGE PSI 900
 FIELD CHECK GAUGE CHECK
 BOTTLES SPHERES
 FUNCTION CHECK 1800
 PUMP CHECK 37.5cc
 REMOTE OPERATION CHECK
 HYDRAULIC FLUID LEVEL

OTHER TESTS: mudline ②
 EQUIPMENT TYPE _____ PRESSURE 250/3 5000/10

REPAIRS OR POTENTIAL PROBLEMS:

5000psi Annular wouldn't close had to remove lines and function to operate properly
1000psi Upper Pipe rams failed put steam in hole
1000psi Blind rams wouldn't close had to remove lines and function to operate properly
211psi Lower Pipe rams failed 2nd time. removed lines and put steam opened rams closed & changed out ram blocks closed ram doors count w/ testing.



RECEIVED

APR 14 2014

EAGER BEAVER TESTERS DIV. OF OIL, GAS & MINING

DATE: 4-11-14 COMPANY: Newfield RIG: Doonee 746 WELL NAME & #: Aubrey 1A-15-22-3-2014

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 1800 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 37 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: ⁴⁻¹⁰⁻¹⁴ ~~4-11-14~~ COMPANY: Newfield RIG: Pioneer 78 WELL NAME & #: Aubrey 1A-15-2L-3-ZWH

Time	AM <input type="checkbox"/> PM <input type="checkbox"/>	Test No.		Results
8:03	AM <input checked="" type="checkbox"/> PM	1	Angular	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
9:13	AM <input checked="" type="checkbox"/> PM	2	Mud-line, Lower Pipe Rams, Dart Valve	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
11:34	AM <input checked="" type="checkbox"/> PM	3	Blind Rams, Inside Kill, Inside Manifold Values	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
12:12	AM <input checked="" type="checkbox"/> PM	4	Outside Kill, Outside Manifold Values	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
12:40	AM <input checked="" type="checkbox"/> PM	5	Super Choke, Manual Choke	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
6:06	AM <input checked="" type="checkbox"/> PM	6	Upper Pipe Rams, Man-IBOP Check Valve, Riser Downstream	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
6:48	AM <input checked="" type="checkbox"/> PM	7	Inside Choke, TIW	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
7:14	AM <input checked="" type="checkbox"/> PM	8	HCR, Hyd-IBOP	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
8:17	AM <input checked="" type="checkbox"/> PM	9	Casing	Pass <input checked="" 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"/>

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



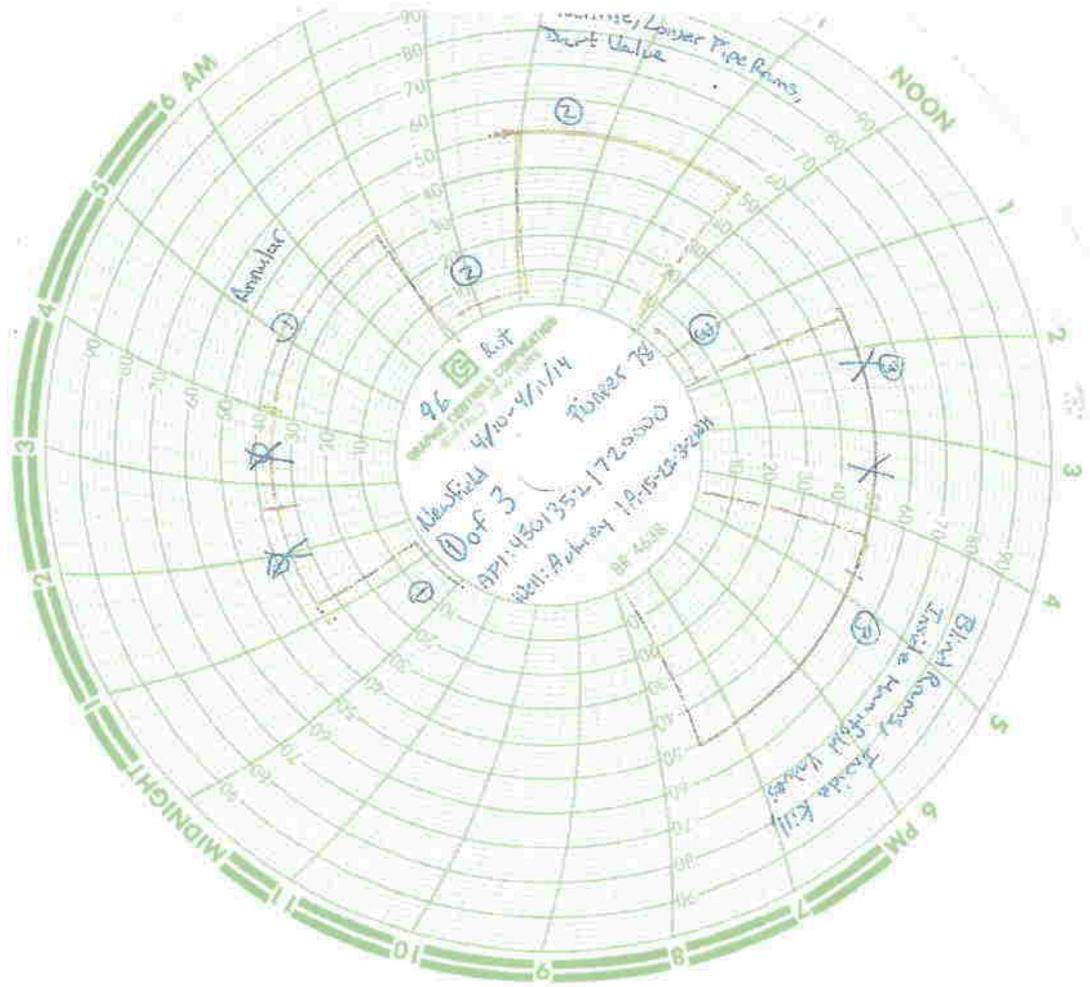
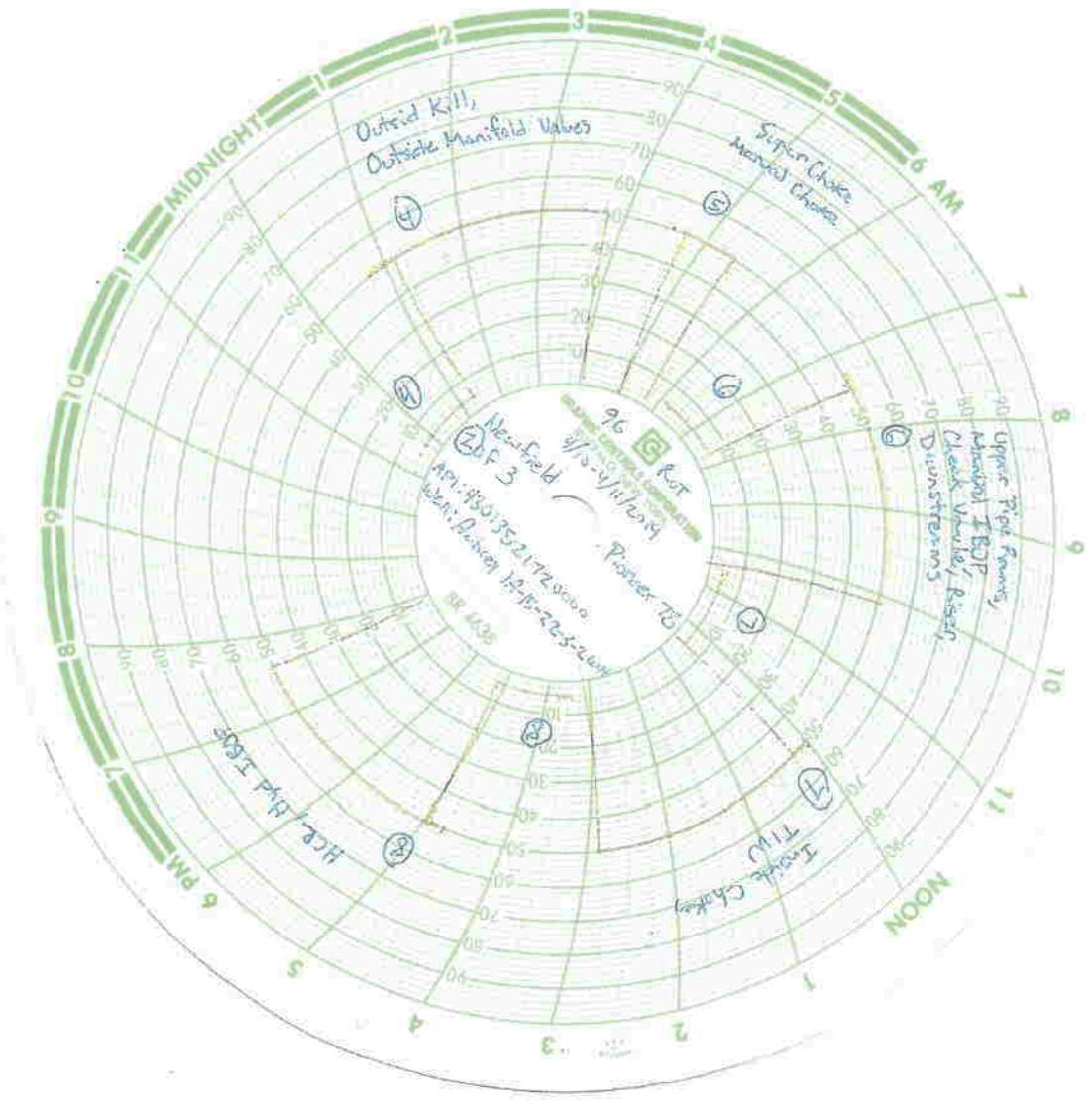


Chart #2 on Reverse



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.
1420H626269

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

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
AUBREY 1A-15-22-3-2WH

9. API Well No.
43-013-52270

10. Field and Pool or Exploratory
UNDESIGNATED

11. Sec., T., R., M., on Block and Survey or Area
SEC 14 T3S R2W (Mer UBM)

12. County or Parish
DUCHESNE

13. State
UT

17. Elevations (DF, RKB, RT, GL)*
5418' GL 5445' KB

15. Date T.D. Reached
05/19/2014

16. Date Completed
07/26/2014
 D & A Ready to Prod.

1. Type of Well Oil Well Gas Well Dry Other

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

2. Name of Operator
NEWFIELD 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 280' FNL 201' FWL (NW/NW) SEC 14 T3S R2W
At top prod. interval reported below 981' FNL 702' FEL (NE/NE) SEC 15 T3S R2W
At total depth 445' FSL 619' FEL (SE/SE) SEC 22 T3S R2W

14. Date Spudded
01/11/2014

18. Total Depth: MD 19590'
TVD 8592'

19. Plug Back T.D.: MD 19,529'
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 Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
19-1/2"	13-3/8" J-55	54.50	0'	1638'		1295 CLASS G			
12-5/8"	9-5/8" N-80	40	0'	8669'		1876 CLASS G			
8-7/8"	5-1/2" P-110	20	0'	19576'		3418 CLASS G			

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@8955'	XN@8878'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Uteland Butte	10110'	19227'	10110' - 19227' MD	0.38	960	
B) Uteland Butte	19395'	19397'	19395' - 19397' MD			Sleeve
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
10110' - 19397' MD	Frac w/ 3,961,976#s of proppant in 98,509 bbls of clean fluid, in 41 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/25/14	8/5/14	24	→	1541	863	1126			FLOWING
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
				GREEN RIVER	3824'
				MAHAGANY BENCH	5865'
				GARDEN GULCH	6741'
				DOUGLAS CREEK	7890'
				CASTLE PEAK LIME STONE	8665'
				BASAL CARB	8999'
				WASATCH	10007'

32. Additional remarks (include plugging procedure):

Bottom Producing Interval: 636' FSL 623' FEL (SE/SE) SEC 22 T3S R2W

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 08/19/2014

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.



Weatherford®

SURVEY REPORT

Report Date: 5/13/2014

Customer: Newfield

Job Name: 4031964

Well Name: Aubrey 1A-15-22-3-2WH

Field: Central Basin

Rig: PIONEER 78

Rig Loc: Duchesne County,

Survey Calculation Method: **Minimum Curvature**

Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
True North	184.62 deg	52009 nT	65.86 deg	11.10 deg	0.00 deg	11.10 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	1610.00 ft	5.50 deg	299.90 deg	1605.67 ft	57.12 ft	-65.85 ft

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
1698.00	5.35	296.44	1693.28	61.05	-73.18	-54.96	0.41
1793.00	6.01	293.01	1787.81	64.97	-81.72	-58.17	0.78
1887.00	6.71	291.01	1881.23	68.86	-91.38	-61.27	0.78
1982.00	8.65	293.91	1975.37	73.74	-103.09	-65.20	2.08
2077.00	9.87	300.24	2069.14	80.74	-116.66	-71.08	1.67
2172.00	9.77	299.04	2162.74	88.75	-130.74	-77.93	0.24
2267.00	9.63	297.23	2256.39	96.30	-144.85	-84.32	0.35
2362.00	10.01	301.16	2350.00	104.21	-158.98	-91.07	0.81
2457.00	10.10	300.21	2443.54	112.67	-173.25	-98.35	0.20
2552.00	9.84	299.19	2537.10	120.82	-187.53	-105.33	0.33
2646.00	9.96	299.48	2629.70	128.74	-201.62	-112.08	0.14
2741.00	9.83	299.44	2723.29	136.77	-215.83	-118.94	0.14
2836.00	9.58	300.00	2816.93	144.71	-229.74	-125.73	0.28
2931.00	9.35	299.80	2910.64	152.50	-243.29	-132.41	0.24
3025.00	9.32	300.05	3003.39	160.10	-256.50	-138.92	0.05
3119.00	9.25	300.73	3096.16	167.78	-269.58	-145.52	0.14
3213.00	8.93	300.42	3188.98	175.33	-282.37	-152.02	0.34
3308.00	8.97	299.74	3282.82	182.74	-295.16	-158.37	0.12
3402.00	8.85	299.11	3375.69	189.89	-307.84	-164.48	0.16
3496.00	8.66	297.88	3468.59	196.72	-320.41	-170.27	0.28
3590.00	8.25	296.65	3561.57	203.05	-332.69	-175.59	0.48
3684.00	9.03	295.24	3654.50	209.22	-345.39	-180.72	0.86
3778.00	9.95	296.39	3747.22	215.98	-359.34	-186.33	1.00
3873.00	9.74	295.66	3840.82	223.11	-373.94	-192.26	0.26
3968.00	10.39	298.16	3934.35	230.63	-388.73	-198.57	0.82
4062.00	9.54	296.48	4026.94	238.10	-403.18	-204.85	0.96
4157.00	8.92	294.69	4120.71	244.69	-416.92	-210.31	0.72
4252.00	9.73	297.38	4214.45	251.46	-430.74	-215.95	0.97
4347.00	9.01	295.34	4308.18	258.33	-444.59	-221.68	0.83
4442.00	8.38	292.55	4402.09	264.17	-457.71	-226.45	0.80
4537.00	9.01	292.77	4496.00	269.70	-470.96	-230.89	0.66
4632.00	9.89	293.60	4589.71	275.85	-485.29	-235.87	0.94
4727.00	11.65	301.33	4683.04	284.11	-500.97	-242.83	2.39
4822.00	10.60	299.43	4776.25	293.39	-516.77	-250.81	1.17
4916.00	9.15	293.86	4868.86	300.66	-531.14	-256.90	1.85

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
5011.00	9.06	284.59	4962.66	305.60	-545.28	-260.68	1.55
5105.00	9.88	281.30	5055.38	309.04	-560.35	-262.90	1.04
5200.00	11.02	282.40	5148.81	312.59	-577.22	-265.08	1.22
5295.00	11.62	290.84	5241.96	317.94	-595.03	-268.98	1.85
5390.00	10.43	303.43	5335.22	326.09	-611.15	-275.80	2.82
5484.00	9.30	305.26	5427.83	335.16	-624.45	-283.77	1.25
5579.00	7.16	300.90	5521.85	342.63	-635.80	-290.31	2.34
5674.00	7.39	301.01	5616.08	348.82	-646.12	-295.64	0.24
5769.00	7.88	303.42	5710.24	355.55	-656.79	-301.50	0.62
5864.00	7.37	300.48	5804.40	362.23	-667.47	-307.29	0.68
5958.00	7.33	295.02	5897.63	367.83	-678.10	-312.01	0.74
6053.00	7.48	295.55	5991.84	373.06	-689.17	-316.33	0.17
6148.00	8.22	299.32	6085.95	379.05	-700.68	-321.38	0.95
6244.00	8.94	304.20	6180.87	386.60	-712.83	-327.93	1.07
6338.00	8.17	298.71	6273.83	393.92	-724.73	-334.26	1.19
6433.00	8.64	302.31	6367.81	400.97	-736.68	-340.33	0.74
6528.00	7.99	297.91	6461.81	407.88	-748.54	-346.26	0.96
6623.00	7.98	297.51	6555.89	414.01	-760.23	-351.43	0.06
6718.00	8.42	300.00	6649.92	420.54	-772.10	-356.98	0.60
6813.00	9.00	302.92	6743.82	428.05	-784.36	-363.48	0.77
6907.00	8.87	311.74	6836.69	436.87	-795.94	-371.34	1.46
7002.00	7.42	308.76	6930.73	445.59	-806.19	-379.21	1.59
7097.00	6.64	305.53	7025.01	452.62	-815.44	-385.47	0.92
7192.00	5.90	302.22	7119.44	458.42	-824.04	-390.56	0.87
7286.00	5.21	296.27	7213.00	462.88	-831.96	-394.37	0.96
7381.00	4.69	293.72	7307.65	466.36	-839.38	-397.23	0.59
7476.00	4.32	290.26	7402.35	469.16	-846.30	-399.47	0.48
7571.00	4.23	277.21	7497.09	470.84	-853.13	-400.59	1.03
7666.00	2.66	270.84	7591.92	471.31	-858.81	-400.60	1.70
7760.00	2.10	294.13	7685.84	472.04	-862.56	-401.03	1.18
7855.00	1.85	339.59	7780.79	474.19	-864.68	-403.00	1.62
7950.00	1.05	28.61	7875.76	476.39	-864.80	-405.19	1.48
8045.00	1.08	49.93	7970.74	477.73	-863.70	-406.61	0.42
8140.00	0.75	89.97	8065.73	478.31	-862.39	-407.29	0.74
8235.00	1.29	102.71	8160.72	478.08	-860.73	-407.19	0.61
8329.00	1.44	129.25	8254.69	477.10	-858.78	-406.37	0.68
8424.00	1.38	140.50	8349.66	475.46	-857.13	-404.87	0.30
8519.00	3.77	157.17	8444.56	471.70	-855.19	-401.28	2.61
8623.00	5.46	161.49	8548.22	463.85	-852.29	-393.70	1.66
8729.00	10.02	158.03	8653.23	450.51	-847.24	-380.80	4.32
8757.00	13.65	160.39	8680.63	445.14	-845.22	-375.61	13.08
8792.00	18.19	163.97	8714.28	435.99	-842.32	-366.73	13.27
8823.00	21.67	168.53	8743.42	425.73	-839.85	-356.70	12.29
8852.00	24.41	169.51	8770.10	414.59	-837.69	-345.77	9.54
8887.00	28.07	169.95	8801.49	399.36	-834.94	-330.81	10.47
8918.00	30.15	171.31	8828.57	384.48	-832.49	-316.18	7.04
8947.00	31.58	173.15	8853.47	369.74	-830.48	-301.65	5.91
8981.00	34.44	175.30	8881.98	351.32	-828.63	-283.43	9.09
9000.00	34.68	174.70	8897.62	340.58	-827.69	-272.81	2.19
9010.00	34.06	172.92	8905.88	334.97	-827.08	-267.26	11.81

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		Vsect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
9042.00	37.18	166.96	8931.89	316.65	-823.80	-249.26	14.58
9075.00	42.33	173.68	8957.27	295.87	-820.32	-228.83	20.31
9108.00	46.92	178.21	8980.75	272.76	-818.72	-205.93	16.92
9138.00	51.81	180.44	9000.29	250.00	-818.47	-183.27	17.25
9171.00	59.10	181.81	9018.99	222.85	-819.01	-156.15	22.35
9202.00	64.88	184.18	9033.54	195.53	-820.46	-128.81	19.83
9233.00	71.52	184.77	9045.05	166.85	-822.71	-100.04	21.49
9266.00	78.88	186.25	9053.47	135.12	-825.77	-68.16	22.72
9299.00	85.66	186.89	9057.91	102.65	-829.51	-35.50	20.64
9330.00	91.26	187.94	9058.74	71.93	-833.51	-4.56	18.38
9362.00	94.34	189.08	9057.18	40.33	-838.24	27.32	10.26
9448.00	96.98	188.02	9048.70	-44.29	-850.96	112.69	3.31
9543.00	96.74	186.77	9037.35	-137.83	-863.10	206.90	1.33
9638.00	97.11	186.03	9025.89	-231.54	-873.62	301.16	0.87
9733.00	96.48	184.20	9014.65	-325.50	-882.03	395.48	2.02
9828.00	96.67	183.63	9003.78	-419.65	-888.47	489.85	0.63
9922.00	96.67	183.12	8992.86	-512.85	-893.97	583.19	0.54
10017.00	96.55	182.38	8981.92	-607.11	-898.49	677.51	0.78
10112.00	96.67	182.20	8970.99	-701.41	-902.26	771.80	0.23
10207.00	96.55	181.01	8960.05	-795.74	-904.91	866.04	1.25
10302.00	94.32	178.16	8951.05	-890.29	-904.22	960.23	3.80
10397.00	92.53	177.62	8945.38	-985.05	-900.73	1054.40	1.97
10492.00	93.27	178.47	8940.57	-1079.87	-897.49	1148.65	1.19
10587.00	93.64	178.38	8934.84	-1174.66	-894.88	1242.93	0.40
10681.00	92.77	177.04	8929.59	-1268.44	-891.13	1336.10	1.70
10776.00	92.47	176.66	8925.25	-1363.20	-885.92	1430.12	0.51
10871.00	92.41	177.17	8921.20	-1457.97	-880.81	1524.18	0.54
10966.00	92.73	178.23	8916.94	-1552.80	-877.00	1618.39	1.16
11061.00	92.71	179.48	8912.43	-1647.67	-875.10	1712.80	1.31
11156.00	92.04	181.78	8908.50	-1742.58	-876.15	1807.49	2.52
11251.00	91.85	184.01	8905.27	-1837.39	-880.94	1902.38	2.35
11346.00	93.39	186.33	8900.93	-1931.90	-889.49	1997.27	2.93
11441.00	91.79	183.49	8896.63	-2026.44	-897.61	2092.16	3.43
11535.00	92.59	181.81	8893.04	-2120.27	-901.96	2186.03	1.98
11630.00	91.73	180.32	8889.46	-2215.18	-903.72	2280.78	1.81
11725.00	92.53	180.61	8885.93	-2310.11	-904.49	2375.46	0.90
11820.00	92.65	180.19	8881.64	-2405.01	-905.15	2470.11	0.46
11915.00	92.28	180.65	8877.55	-2499.92	-905.85	2564.76	0.62
12010.00	92.73	180.35	8873.40	-2594.83	-906.68	2659.43	0.57
12105.00	92.71	179.11	8868.89	-2689.72	-906.23	2753.97	1.30
12199.00	92.72	178.93	8864.44	-2783.60	-904.62	2847.42	0.19
12294.00	92.22	178.73	8860.34	-2878.49	-902.69	2941.84	0.57
12389.00	92.40	178.47	8856.52	-2973.38	-900.37	3036.24	0.33
12484.00	91.97	177.79	8852.89	-3068.26	-897.27	3130.57	0.85
12579.00	92.47	177.80	8849.21	-3163.12	-893.62	3224.82	0.53
12673.00	93.02	177.93	8844.71	-3256.95	-890.12	3318.06	0.60
12768.00	91.67	176.29	8840.82	-3351.74	-885.33	3412.16	2.23
12863.00	93.09	177.57	8836.88	-3446.52	-880.25	3506.22	2.01
12961.00	92.04	176.69	8832.49	-3544.30	-875.35	3603.29	1.40
13056.00	93.45	178.13	8827.94	-3639.08	-871.06	3697.42	2.12

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
13151.00	92.16	179.82	8823.29	-3733.95	-869.36	3791.84	2.24
13240.00	90.74	180.19	8821.04	-3822.92	-869.37	3880.52	1.65
13335.00	91.17	181.50	8819.46	-3917.89	-870.77	3975.30	1.45
13429.00	92.16	183.96	8816.73	-4011.74	-875.25	4069.20	2.82
13524.00	91.97	186.16	8813.30	-4106.30	-883.62	4164.13	2.32
13619.00	92.10	185.19	8809.93	-4200.77	-893.01	4259.05	1.03
13714.00	92.34	180.36	8806.25	-4295.56	-897.60	4353.91	5.09
13809.00	91.85	178.56	8802.78	-4390.49	-896.71	4448.45	1.96
13904.00	92.10	177.92	8799.50	-4485.39	-893.79	4542.81	0.72
13999.00	91.73	176.05	8796.33	-4580.20	-888.80	4636.91	2.01
14094.00	91.73	175.65	8793.46	-4674.91	-881.92	4730.76	0.42
14188.00	92.53	180.75	8789.96	-4768.77	-878.97	4824.07	5.49
14283.00	92.41	179.93	8785.87	-4863.68	-879.54	4918.72	0.87
14378.00	92.47	178.36	8781.82	-4958.58	-878.12	5013.19	1.65
14472.00	92.65	181.11	8777.62	-5052.47	-877.69	5106.75	2.93
14567.00	92.78	184.07	8773.12	-5147.26	-881.97	5201.57	3.12
14662.00	92.35	182.49	8768.87	-5242.00	-887.40	5296.45	1.72
14757.00	92.59	179.27	8764.78	-5336.89	-888.86	5391.15	3.40
14852.00	92.73	178.76	8760.37	-5431.77	-887.23	5485.59	0.56
14947.00	92.47	178.68	8756.06	-5526.65	-885.11	5579.99	0.29
15041.00	92.59	178.45	8751.91	-5620.53	-882.76	5673.37	0.28
15136.00	92.34	177.86	8747.82	-5715.39	-879.70	5767.68	0.67
15231.00	92.53	178.16	8743.79	-5810.25	-876.41	5861.96	0.37
15326.00	92.59	177.86	8739.54	-5905.10	-873.11	5956.24	0.32
15420.00	92.34	177.56	8735.50	-5998.94	-869.36	6049.47	0.42
15515.00	91.85	178.31	8732.03	-6093.81	-865.94	6143.76	0.94
15610.00	92.03	178.70	8728.81	-6188.72	-863.46	6238.16	0.45
15704.00	92.34	181.52	8725.23	-6282.65	-863.64	6331.80	3.02
15799.00	92.41	185.40	8721.29	-6377.37	-869.37	6426.68	4.08
15894.00	92.47	187.58	8717.24	-6471.67	-880.10	6521.53	2.29
15989.00	92.22	181.95	8713.35	-6566.23	-887.98	6616.42	5.93
16084.00	92.72	180.67	8709.26	-6661.11	-890.15	6711.17	1.45
16178.00	92.78	178.01	8704.75	-6754.99	-889.07	6804.65	2.83
16273.00	91.73	177.53	8701.01	-6849.84	-885.37	6898.90	1.22
16368.00	91.85	177.42	8698.04	-6944.70	-881.19	6993.12	0.17
16463.00	91.41	175.41	8695.34	-7039.47	-875.25	7087.10	2.17
16558.00	92.34	177.57	8692.23	-7134.24	-869.44	7181.09	2.47
16653.00	92.73	175.94	8688.03	-7228.99	-864.07	7275.10	1.76
16747.00	92.65	175.66	8683.62	-7322.63	-857.19	7367.88	0.31
16842.00	92.41	176.49	8679.42	-7417.32	-850.69	7461.74	0.91
16937.00	92.28	178.26	8675.54	-7512.13	-846.35	7555.90	1.87
17032.00	92.47	178.90	8671.60	-7607.02	-843.99	7650.29	0.70
17127.00	91.60	178.00	8668.23	-7701.93	-841.43	7744.68	1.32
17221.00	91.97	177.28	8665.30	-7795.80	-837.56	7837.93	0.86
17316.00	92.10	177.96	8661.92	-7890.66	-833.61	7932.16	0.73
17411.00	90.99	177.28	8659.36	-7985.54	-829.67	8026.42	1.37
17506.00	90.80	177.50	8657.88	-8080.43	-825.34	8120.65	0.31
17600.00	92.16	178.86	8655.45	-8174.35	-822.36	8214.02	2.05
17695.00	92.22	180.20	8651.82	-8269.27	-821.58	8308.58	1.41
17790.00	92.03	179.61	8648.30	-8364.21	-821.42	8403.19	0.65

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
17885.00	91.91	179.28	8645.03	-8459.14	-820.50	8497.75	0.37
17980.00	90.37	179.32	8643.14	-8554.12	-819.34	8592.32	1.62
18075.00	91.17	180.40	8641.87	-8649.10	-819.11	8686.98	1.41
18169.00	91.85	180.53	8639.39	-8743.07	-819.87	8780.70	0.74
18264.00	92.04	180.69	8636.16	-8838.01	-820.88	8875.41	0.26
18359.00	92.96	183.54	8632.02	-8932.84	-824.39	8970.22	3.15
18454.00	92.28	184.82	8627.68	-9027.49	-831.30	9065.12	1.52
18549.00	92.65	184.75	8623.59	-9122.07	-839.22	9160.03	0.40
18643.00	92.77	181.61	8619.15	-9215.81	-844.43	9253.88	3.34
18738.00	91.42	180.11	8615.67	-9310.73	-845.85	9348.61	2.12
18832.00	91.85	180.80	8612.99	-9404.69	-846.60	9442.32	0.86
18927.00	91.91	180.29	8609.87	-9499.63	-847.50	9537.03	0.54
19021.00	91.67	177.01	8606.94	-9593.55	-845.29	9630.46	3.50
19116.00	91.36	176.59	8604.43	-9688.36	-839.99	9724.54	0.55
19210.00	91.48	175.84	8602.10	-9782.13	-833.78	9817.50	0.81
19305.00	91.79	177.12	8599.39	-9876.91	-827.95	9911.51	1.39
19399.00	90.80	177.57	8597.26	-9970.78	-823.60	10004.73	1.16
19494.00	91.54	178.45	8595.32	-10065.70	-820.30	10099.07	1.21
19567.00	92.04	180.82	8593.04	-10138.66	-819.84	10171.76	3.32
Projected to Total Depth:							
19590.00	92.04	180.82	8592.22	-10161.65	-820.17	10194.69	0.00

Weatherford surveys form 1698.00 ft MD to 19567.00 ft MD.

TD at 19590.00 ft MD.

The total correction is 11.10 deg relative to True North.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date 5/27/2014	Report End Date 5/28/2014	24hr Activity Summary Nipple up and test tbg head and frac stack
Start Time 06:00	End Time 06:30	Comment Held PJSM with everybody on location to discuss operations and safety hazards of today's operations of NU the Cameron tbg hanger, FMC HCR valve, FMC 10k frac stack, FMC frac manifold, FMC frac lines, PRO's flowback lines and finish up the production lines. Setting flowback tanks and transfer tanks this morning.
Start Time 06:30	End Time 15:00	Comment Check csg pressure. ND night cap. NU tbg head. Test void on tbg head. Set FB tanks. Install risers on csg valves. Install grating. NU frac manifold. Change orientation of HCR valves to accomodate WL sheaves during frac. Change orientation of wing valves on tbg head to accomodate production equipment. SD to install flowlines.
Start Time 15:00	End Time 00:00	Comment Handed location over Construction to finish there operations
Report Start Date 5/28/2014	Report End Date 5/29/2014	24hr Activity Summary Continue to Nipple up and test tbg head and frac stack. Also tested the flowback iron
Start Time 00:00	End Time 06:00	Comment Waiting on Construction to finish with Location
Start Time 06:00	End Time 06:30	Comment JSA and safety meeting.
Start Time 06:30	End Time 20:00	Comment Production has installed flow lines and backfilled ditch. JSA and safety meeting. NU frac tree consisting of 10K Cameron tubing head for 5-1/2" casing with 7-1/16" flange looking up. 10K 7-1/16" 'Lower Master' hydraulic frac valve (HCR) , 10K 7-1/16" 'Upper Master' manual frac valve , 10K 7-1/16" flowcross with dual, double 4-1/16" outlets, 10K 7-1/16" 'Crown' manual frac valve . NU frac manifold consisting of 7-1/16" 10K manual frac valve, 7-1/16" 10K hydraulic HCR valve, and 7-1/16" 10K goat head with 4-1504 connections. Connected to frac tree with 4" 15K iron. Install TWCV in B section of WH and test Frac stack, frac manifold, and tbg head and wing valves as per Newfield Pressure testing Guidelines. 250 psi low / 10,000 psi high Plan forward: Run CBL, GR, CCL logs.
Start Time 20:00	End Time 00:00	Comment RU J-W Wireline to run a RCBL log. During the RU process J-W Wirelines crane broke down. So, they went to go get another one to replace it. The replacement crane showed up at 23:30.
Report Start Date 5/29/2014	Report End Date 5/30/2014	24hr Activity Summary RU Pump down trucks to open the toe sleeve
Start Time 00:00	End Time 08:00	Comment J-W Wireline finished getting RU and picked up the tool string to RIH to run a RCBL log. RU 5-1/2" 10K lubricator, pick-up toolstring & make-up lubricator. Function test wireline rams (only before first run of day). Test lubricator to 5000 psi for 5 minutes against 'Upper Master' frac valve (must re-test anytime a connection is broken) with no pressure departure. Measure length, OD's, and fishing neck of each tool before RIH. PU and RIH with CBL (ensure Radial CBL is used). We will plan to run a GR, CCL, and CBL. The Tool will be run from heel (fall as deep as possible). Got in the hole around 01:45 with the at 03:00 OOH with tool string and had to replace the Gamma Ray section of the tool string it wasnt working. At 04:00 back in the hole with the tool string. RIH and log out of well from the curve.
Start Time 08:00	End Time 11:00	Comment Wait on Halliburton Pump trucks.
Start Time 11:00	End Time 21:30	Comment Spot and rig in Halliburton Pumping equipment.
Start Time 21:30	End Time 22:30	Comment Toe sleeve fired by pressuring well to 8161psi at 2.3bpm. pumped 87bbls from opening of toe sleeve opening to shut down. Got up to 14 bpm at 7469psi a pressure was falling off.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time			22:30	End Time		00:00	Comment	RU Halliburton Frac crew to pump stg#1.
Report Start Date	Report End Date	24hr Activity Summary						
5/30/2014	5/31/2014	Pumped stg #1 and logged the well						
Start Time			00:00	End Time		06:00	Comment	RU Halliburton Frac crew to pump stg#1.
Start Time			06:00	End Time		06:30	Comment	Had Safety Stand Down with all parties on location discuss near misses in field and discuss operations about to start on Frac
Start Time			06:30	End Time		12:00	Comment	Cont to MIRU Halliburton Frac team
Start Time			12:00	End Time		13:00	Comment	Waiting for frac crew to frac stage 1 on the Ranch.
Start Time			13:00	End Time		15:00	Comment	Frac Stage 1
Start Time			15:00	End Time		16:00	Comment	All, Stage 1 Frac is complete. All sand placed on formation, and flushed as per design. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Able to get to designed rate with no problems, saw good pressure relief when acid reached bottom. 3. Had pressure increase when xlinked fluid and 100Mesh reached bottom but leveled out with 1.0ppg 30/50 Sand on formation. 4. No problems flushing well, able to place job completely. 5. Overall good effort by crew. WG-36-9.3% (67.8), BC-200-3.4% (2), FR-66-6.2% (1.1), MC S-2010T-4.6% (1.5) Vicon NF-4.4% (4.1),
Start Time			16:00	End Time		23:00	Comment	Getting ready to do pump down and log out of hole. J-W Wireline is RIH @ 17:00. Plug and Perf RIH with guns, Gamma and Plug to KOP. Pumped down tool string at 13.2bpm @ 6800Psi, @ 225fpm, 900LT, pumped guns and Gamma tool to 19,450', Pulled up and got line tension and set plug @ 19,262'. Line tension prior to setting plug 1,632, line tension after plug set 1,480, plug set time 19:42. Set time was 32seconds, Pulled up and perforated at 19,225-19,227 & 19,125-19,127. POOH logging, max pressure for pump down: 8,300psi. Max rate for pump down 13.2bpm. Total BBIs pumped 644bbbls.
Start Time			23:00	End Time		00:00	Comment	Setting up to frac stg#2 after wireline gets in the hole 1000'.
Report Start Date	Report End Date	24hr Activity Summary						
5/31/2014	6/1/2014	Frac & P&P						
Start Time			00:00	End Time		01:00	Comment	Frac Stg#2
Start Time			01:00	End Time		05:30	Comment	Getting on the well @01:20. Plug and Perf stg#3 RIH with guns and Plug to KOP. Pumped down tool string at 13.2bpm @ 5,325Psi, @ 228fpm, 900LT, pumped plug and guns to 19,053', Pulled up and got line tension and set plug @ 19,035'. Line tension prior to setting plug 1,745, line tension after plug set 1,633, plug set time 03:25. Set time was 47seconds, Pulled up and perforated at 18,950-18,952 & 18,845-18,847. Max pressure for pump down: 5,400psi. Max rate for pump down 13.2bpm. Total BBIs pumped 580bbbls. POOH make sure all guns fired.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time 05:30	End Time 06:30	Comment Frac stage 3 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 6505 psi @ 14.7 bpm , 5335 psi Pressure before Seating , 6505 psi Pressure after Seating BC-200-2.6% (2.7) , MO-67-4.5% (1.2) , MC S-2010T-6.4% (2.8) Vicon NF-5.9% (8.3) , Losurf 300D-6.4% (5.7)
Start Time 06:30	End Time 08:00	Comment Wait on P&P of the Ranch well
Start Time 08:00	End Time 11:00	Comment Plug and Perf stg#4 RIH with guns and Plug to KOP. Pumped down tool string at 13.5bpm @ 5,630Psi, @ 240fpm, 900LT, pumped plug and guns to 18,795', Pulled up and got line tension and set plug @ 18,785'. Line tension prior to setting plug 2077, line tension after plug set 1,823, plug set time :25sec. Pulled up and perforated at 18,741-18,743 & 18,642-18,644. Max pressure for pump down: 5,630psi. Max rate for pump down 13.5bpm. Total BBIs pumped 608 bbls. POOH make sure all guns fired.
Start Time 11:00	End Time 12:30	Comment Frac stage 4 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Saw good pressure relief when Acid reached bottom, able to get to design rate with no issues. 3. Good job with no problems, able to place job completely. 4. Overall good effort by crew. Ball Seat Stage Pressures and Rate: 5765 psi @ 14.8 bpm , 5055 psi Pressure before Seating , 5770 psi Pressure after Seating WG-36-3.7% (52.8) , BC-200-3.5% (4.2) , MC S-2010T-2.6% (1.2) Vicon NF-2.5% (3.9) , Losurf 300D-2.7% (2.5)
Start Time 12:30	End Time 15:30	Comment Plug and Perf stg#5 RIH with guns and Plug to KOP. Pumped down tool string at 14 bpm @ 5,300Psi, @ 250fpm, 950LT, pumped plug and guns to 18,594', Pulled up and got line tension and set plug @ 18,568'. Line tension prior to setting plug 1940, line tension after plug set 1,650, plug set time :45sec. Pulled up and perforated at 18,497-18,499 & 18,435-18,437. Max pressure for pump down: 5,300psi. Max rate for pump down 14 bpm. Total BBIs pumped 565 bbls. POOH make sure all guns fired.
Start Time 15:30	End Time 21:30	Comment Wait on Frac
Start Time 21:30	End Time 00:00	Comment Frac Stage #5 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Ball was in heal due to greasing the wellhead. Held 15 bpm for 1.5 lateral volumes before bringing up rate.3. Job went well with all proppant placed. BC-200-4.9% (6.1) , MO-67-4.9% (1.5) , Scalesorb 7-2.6% (2.7) , Vicon NF-3% (4.7) , Losurf 300D-3.5% (3.3) MCB 8642-8.6% (1.7)
Report Start Date 6/1/2014	Report End Date 6/2/2014	24hr Activity Summary Fracing & P&P



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	00:00	End Time	03:00	Comment
				Plug and Perf stg#6 RIH with guns and Plug to KOP. Pumped down tool string at 13.3 bpm @ 6,265Psi, @ 256fpm, 827LT, pumped plug and guns to 18,415', Pulled up and got line tension and set plug @ 18,400'. Line tension prior to setting plug 1723, line tension after plug set 1,598, plug set time :45sec. Pulled up and perforated at 18,338-18,340 & 18,179-18,181. Max pressure for pump down: 6,438psi. Max rate for pump down 13.3 bpm. Total BBIs pumped 528 bbls. POOH make sure all guns fired. Currently-POOH with wireline.
Start Time	03:00	End Time	09:30	Comment
				Wait on frac.
Start Time	09:30	End Time	10:30	Comment
				Begin fracing stage 6. Pumped pad away. Went from 1# to 3# and midway through 3# stage we pressured out with 3# on bottom and 6# at the blender. Just staged flush when we pressured out. Got 3600 gal of flush away through the tub. Currently-preparing flow well back. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Able to work rate up to 34bpm without acid, had to reduce rate when Xlinked fluid hit but saw good clean up from sand. 3. Worked rate up to 43bpm after sand reached bottom. 4. Had steady decrease in pressure midway thru 3.0ppg on perfs then pressure turned (cleaning up 6ppg at blender). 5. Only able to flush 3608gal before pressuring out. Placed approx 48400lbs of prop on formation, left approx 52000lbs in the pipe. 6. Good job by crew making rate adjustments duing job. Ball Seat Stage Pressures and Rate: 7170 psi @ 15.6 bpm , 6255 psi Pressure before Seating , 7190 psi Pressure after Seating WG-36-6.5% (56) , BC-200-3.4% (2.4) Vicon NF-2.3% (2.1) , Losurf 300D-7.2% (4.1) MCB 8642-4.5% (1)
Start Time	10:30	End Time	16:30	Comment
				Flowd well back at 4bbls per min on 30/64" choke. Well pressure was at 9200 psi. Well bled right off. Opened well through 2" choke until it died. Surged the well 4 times and started flowing back gel and sand. Total bbls flowd back-84 bbls. Currently-Well is open on 2" choke and is flowing a small stream of gel fluid and sand. 16:05 pm Currently-Still flowing well back 185 bbls total flowed back.
Start Time	16:30	End Time	21:00	Comment
				Currently-Flow well back 0 bpm to .5 bpm 0 psi. Shut well in 15 mins psi go to 2,500 psi open on 20/64 .6 bpm @ 100 psi flow for 15-20 mins and watch it for 15 mins getting back little sand, 21:00 shut well in 15 mins psi go to 2,500 psi open on 20/64 .6 bpm @ 250 psi for 2-5 mins psi go down to 100 psi flow for 15-20 mins psi go to 0 psi, and watch it for 15 mins getting back little sand, get back 18 bbls every 30 mins. Total 333 bbls Plan forward- Shut well in 15 mins build pressure open well flow back on 20/64 choke repeat throughout the night clean well bore up



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time			End Time			Comment		
21:00			00:00			Currently-Flow well back 0 bpm to .5 bpm 0 psi. Shut well in 15 mins psi go to 2,500 psi open on 20/64 .6 bpm @ 100 psi flow for 15-20 mins and watch it for 15 mins getting back little sand. 21:00 shut well in 15 mins psi go to 2,500 psi open on 20/64 .6 bpm @ 250 psi for 2-5 mins psi go down to 100 psi flow for 15-20 mins psi go to 0 psi, and watch it for 15 mins Total 366 bbbls Made 22.5 bbbls last Hr. Get back sand Plan forward- Shut well in 15 mins build pressure open well flow back on 20/64 choke repeat throughout the night clean well bore up		
Report Start Date	Report End Date	24hr Activity Summary						
6/2/2014	6/3/2014	Fracing & P&P						
Start Time			End Time			Comment		
00:00			02:00			shut well in 15 mins psi go to 2,500 psi open on 20/64 .6 bpm @ 250 psi for 2-5 mins psi go down to 100 psi flow for 15-20 mins psi go to 0 psi, and watch it for 15 mins getting back little sand, get back 18 bbbls every 30 mins. Total 397 bbbls Plan forward- Shut well in 15 mins build pressure open well flow back on 20/64 choke repeat throughout the night clean well bore up		
Start Time			End Time			Comment		
02:00			17:00			03:00 am shut well in 60 mins psi go to 2,800 psi (04:00 am) open on 24/64 1 bpm @ 100 psi for 2-5 mins psi go down to 0 psi flow for 15-20 mins, getting back little sand flowing 1bpm Total 415 bbbls 0500am-40.5 bbbls flowd back @ .6 BBLs per min, 436.5 total bbbls recovered. Well flowing @ 100 psi on 2" choke. Currently-Shutting well in for pressure build while flowing back the Ranch well. continue shutting well in for 15 min and surging well. Last build was from 95 psi to 850 psi in 15 min. Flowed 14 bbbls back in 1 hr. Begin pumping on well for wellbore sweep. Brought rate 4.2 bbbls per min. pumped 76 bbbls in well and pressured out. Began surging the well. Pressured up to 5000 psi and bled well off 9 times. Then pressured up to 9000 psi 2 times and bled well off. Bled well down to 1500 psi and shut well in. Well built to 2200 psi. Plan is to open the well very slow and bleed down to 1500 psi and then let well build back up. Flow back still has 1500 as a low on the casing. They have been letting the well build up to 2200 psi and bleed off slowly down to 1500 psi. Total fluid recovered since initial pumping is 86 bbbls.		
Start Time			End Time			Comment		
17:00			00:00			Flow back .26 bpm @ 1,500 psi on well Total fluid recovered since initial pumping is 102 bbbls.		
Report Start Date	Report End Date	24hr Activity Summary						
6/3/2014	6/4/2014	Fracing & P&P						
Start Time			End Time			Comment		
00:00			17:00			Contiue to flow well. 06:00 am Well is flowing @ ¼ bbl per min @400 psi on 10/64" choke. Total bbbls recovered is 67 bbbls. 09:20 am Well is flowing @ .3 bbl per min @400 psi on 12/64" choke. Total bbbls recovered is 88 bbbls 11:30 am Well is flowing @ .5 bbl per min @400 psi on 12/64" choke. Total bbbls recovered is 127 bbbls. 14:00 pm Began shutting well in and letting the pressure build to 3000 psi. Then surging the casing until the pressure stabilizes at 100 psi. Total bbbls recovered at present-155 bbbls 16:25 pm Continue shutting well in and letting the pressure build to 3000 psi. Then surging the casing until the pressure stabilizes at 100 psi. Total bbbls recovered at present-205 bbbls		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time			End Time			Comment		
17:00			00:00			Continue shutting well in and letting the pressure build to 3000 psi. Then surging the casing until the pressure stabilizes at 100 psi. 18:00 50 psi, .8 bpm, 5 bbls recovered, total 218 bbls. 19:00 100 psi, 3.6 bpm, 108 bbls recovered, total 438 bbls. 20:00 350 psi, 1.8 bpm, 32/64 choke, 108 bbls recovered, total 446 bbls. 21:00 300 psi, 1.13 bpm, 28/64 choke, 68 bbls recovered, total 514 bbls. 22:00 100 psi, .81 bpm, 28/64 choke, 48.7 bbls recovered, total 563 bbls. 23:00 well in and letting the pressure build to 3000 psi.		
Report Start Date	Report End Date	24hr Activity Summary						
6/4/2014	6/5/2014	Flow well back						
Start Time			End Time			Comment		
00:00			02:00			00:01 well in and letting the pressure build to 3000 psi. . Then surging the casing until the pressure stabilizes at 100 psi.		
Start Time			End Time			Comment		
02:00			03:30			24:00 well in and letting the pressure build to 3000 psi. (2,100 psi) 01:00 Open well with 2,100 psi, bleed to 1,770 psi, Closed in flowback and pump into well and try to clean well and get injection rate to pump down guns. 02:00 open well with 1,770 psi, pump into well at 2.8 bpm, 3,660 psi, with 40 bbls in.increased rate to 4.8 bpm for 8 bbls and pressure increase to 4,537, lowered rate to 2.8 bpm 5,990 psi, for 133 bbls, increased rate to 4.5 bpm at 6,440 psi, pumped 34 bbls got increase in pressure, dropped rate to 1.7 bpm and pressured out, shut down, Turn well over to flowback and flowing well back at 8 bpm on 28/64 choke, at 1,000 psi. 03:30 Flowing back well at 8 bpm on 28/64 choke, at 1,000 psi.		
Start Time			End Time			Comment		
03:30			18:30			03:30 Flowing back well at 5 bpm on 32/64 choke, at 500 psi. 0435am-60 min flow-91 bbls. Shut well in and build to 2100 psi. 0550am-Open well on 12/64". well flowing at 2.2 bbls per min @ 1860 psi. 1000am-well built to 2150 psi. Bled well down to 100 psi. Turn well over to frac.Pressured up to 9000 psi and bled the well down to 2100 psi 7 times. Begin pumping on well. 3 bbls per min from 2150 to 8250 psi. Pressure leveled out at 8250. Continue pumping in well. At 1045am-we had pumped 9000 gal which is 214 bbls. at 1100am- Pressured out at 9000 psi. calculated volume from the heal to the plug is 177 bbls. the ball reseated and made the pressure spike. Turned well back over to flowback to continue flowing the well with 2100 psi on. Plan forward-Continue flowing well to get the ball back off seat. 1200pm-well had 1900 psi on casing. Surged the casing and got 2bbls back. 1256pm-flowing .9 bpm on 12/64" choke @ 2200 psi. 1338pm-1800 psi on casing flowing on 13.64" choke @ .9 bpm. Recovered 72.5 bbls. 1400pm- Opened well up to see what kind of rate we would get. 1440pm-Flowing on 15/64" choke at 550 psi. Total bbls returned-136		
Start Time			End Time			Comment		
18:30			00:00			Continue with well shut in and letting the pressure build to 3,000 psi. Then flow well back at high rate ?? 16:45 0 psi, 18:45 20 psi, 21:45 44 psi, 23:00 63 psi. 24:00 70 psi.		
Report Start Date	Report End Date	24hr Activity Summary						
6/5/2014	6/6/2014	Flow well back						
Start Time			End Time			Comment		
00:00			11:00			Continue with well shut in and letting the pressure build to 500 psi. 04:00 am - Well shut in to let pressure build up. 16:45 to 04:00 pressure at 96 psi 06:30 am - Well shut in to let pressure build up. 16:45 to 06:30 pressure at 116 psi		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

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Start Time	11:00	End Time	13:00	Comment
				Check pressure. Prepapre to pump in well.
Start Time	13:00	End Time	16:00	Comment
				started pumping on well @3.5 bbls min. bringing pressure to 6000 psi . brought rate up to 6 bbls min seen ball hit at 160 bbls. continued to pump into the well until well broke over@ 9300psi. fell to 6000 psi . dropped rate to 3.5 bbls min continued to pump until. reaching 9500psi . bled well down . to 5400psi got back to 3.5 bbls min. pressured well back to 9500psi. shut down pump. bled down well. to 6000 psi gotback into well @ 12bbls a min pressure up to 9000psi . then ran at it @15bbls min pressured up to 9000psi . brought pump off line . turned over to flow back
Start Time	16:00	End Time	00:00	Comment
				Open well with 3,802. Worked rate to 15 bpm at 6,127 psi, 17.9 bpm at 7,331 psi, 19.4 bpm, at 8,404 psi (30 bbls in), pressure spike dropped rate 9.7 at 8,901 psi, (39 bbls), rate 9.6 bpm at 8,990 psi, (48 bbls), 12.7 bpm at 9,181 psi (71 bbls), 9.6 bpm at 9,150 psi (76 bbls), pressured out, shut down pumps and let pressure fall and stabilize to 3,802 psi, (20 bbls away from ball seating), Begin pumping at 5.0 bpm at 4,859 psi, 10.0 bpm at 5,120 psi, 15.0 bpm at 8,136 psi, pressured up dropped rate, 9.7 bpm at 9,364 psi (168 bbls), 4.9 bpm at 8,352 psi and pressure stabilizing 5.0 bpm at 8,410 psi (191bbls), 5.0 bpm at 8,657 psi (200 bbls), pressured spiked dropped rate to 3.4 bpm at 8,675 psi (225 bbls), 8,978 psi (300 bbls), 9,000 psi (390 bbls), broke back to 8,102 psi (445 bbls), 8,003 psi (500 bbls), increased rate to 4.9 bpm at 8,435 psi, (566 bbls), pressure spike at 9,401 psi, (682 bbls), dropped rate 3.5 bpm 9,476 psi (757 bbls), shut down, turn over well to flowback.

Report Start Date	Report End Date	24hr Activity Summary
6/6/2014	6/7/2014	Flow well back, Get back into well and continue frac operations.

Start Time	00:00	End Time	03:00	Comment
				Open well to choke at 4,000 psi, open choke to tanks on 24/64th. Initial rate at 10 bpm, and dropping, 100 psi, 2.25 bpm, 40/64 choke, 251 bbls recovered.
Start Time	03:00	End Time	07:00	Comment
				50 psi, 1.5 bpm, 48/64th choke, 331 bbls recovered 03:00 - 04:00 - 50 psi, 1.6 bpm, 48/64th choke, 393 bbls recovered 0630am- .6bpm 48/65" choke 501 bbls recovered 20 psi flowing.
Start Time	07:00	End Time	09:00	Comment
				07:00 - 09:00 - 50 psi, .6 bpm, 9/64th choke, 514 bbls recovered 1000 psi flowing.
Start Time	09:00	End Time	16:00	Comment
				Pump into well 24bbls min pressured @9500psi dropped rate to 6bbls with 30bbl gel sweep.143bbls away ball hit and pressured pumps out. Got back into pump rate @3.5@8800psi. Gel hit perfs 378bbls in .continued pumping 3.5bbls min @9100psi. 410bbls away. Started pumping 10bbls 28% acid. Lost prime after pumping acid . got pump primed got to rate 3.5 bbls min pressured to 9280psi 474bbls away. Pressure started climbing to 9500psi kicking out pumps . surged well back10 bbls @5bbls min.started pumping back into well 3.3bbls min @9000psi. acid hit perfs @816bbls away. continued pumping until well pressured out pumps . let pressure drop to 6000psi ramped up pumps to 10 bbls min pressured out pumps.got back to 3.5bbls min @9000psi well broke over pressure dropped to 8000psi picked up rate to 5 bbls min well pressured out pumps . turned over to Flow back crew.
Start Time	16:00	End Time	17:00	Comment
				16:00 pm open up well to flow back @3250 psi 3.9 bbls min on 26/64 choke. came down to 3.9bbls min @1500psi on 24/64 choke.continued to flow well back monitoring rate. 16:30pm 66 bbls back @2.3 bbls on 24/64 choke.currently have flowed back 88bbls. 17:00 flowing back 2.6 bbls min @1000psi on 18/64 192bbls flowed back



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 430135522700000

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Start Time 17:00	End Time 00:00	Comment 18:00 - 1.6 bpm, 1,000 psi, 17/64th choke, 277 bbls recovered, 18:20 - pressure went to 1,600 psi, at 2.5 bpm, 17/64th choke, continue to monitor well flow. 19:00 - 3.1 bpm, 1,000 psi, 24/64th choke, 405 bbls recovered. 20:00 - 2.8 bpm, 1,000 psi, 19/64th choke, 523 bbls recovered. 21:00 - 1.9 bpm, 1,000 psi, 18/64th choke, 598 bbls recovered. 22:00 - 2.0 bpm, 1,000 psi, 19/64th choke, 677 bbls recovered. 23:00 - 1.0 bpm, 1,000 psi, 19/64th choke, 742 bbls recovered. 24:00 - .9 bpm, 1,000 psi, 19/64th choke, 797 bbls recovered.
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Report Start Date 6/7/2014	Report End Date 6/8/2014	24hr Activity Summary Flow well back, Get back into well and continue frac operations.
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Start Time 00:00	End Time 04:00	Comment 24:00 - .90 bpm, 1,000 psi, 19/64th choke, 797 bbls recovered. 01:00 - .95 bpm, 1,000 psi, 12/64th choke, 846 bbls recovered. 02:00 - .50 bpm, 1,000 psi, 13/64th choke, 877 bbls recovered. 03:00 - .50 bpm, 1,000 psi, 13/64th choke, 909 bbls recovered.
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Start Time 04:00	End Time 10:00	Comment 0:400 39.5 bbls recovered .65 bbls min 1000psi. 948 bbls total. 05:00 31 bbls recovered @.51 bbls min 1000 psi 979 total . 0735 1000 psi flowing on 12/64" choke. .6 bbls per min. Total bbls recovered-1063 10:00 currently getting some sand & oil back.1000psi @.83 bbls min on 12/64 choke total bbls back 1125.
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Start Time 10:00	End Time 13:00	Comment Started pumping into wellw/ 30 bbls Gel @10 bbls min to 9260 psi. dropped rate to 3.5 bbls min pressure climbed to 9500 psi started to break dropped to 8615 psi leveled out 96 bbls away.12:00 well pressured out pumps 110 bbls away. bled down to 6300 psi got back to rate @3.3 bbls min 6700psi climbing. pressured out 2 more times. 12:30 pm shut in well. turned over to flow back
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Start Time 13:00	End Time 17:00	Comment Had to shut in well to flow back Ranch got ball back getting ready to pump sweep & RU wireline. Then we will open up Aubrey. Plan forward - Continue to flow well back flowing back .46 bbls min @1000 psi 10/64 1154 bbls total
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Start Time 17:00	End Time 00:00	Comment Well shut in to build up pressure while waiting for replacement Ball Catcher valve. Well shut in, change out ball catcher valve, shut down for pump down on the Ranch, Finish hammering up flow back lines and retest same,
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Report Start Date 6/8/2014	Report End Date 6/9/2014	24hr Activity Summary Flow well back, Get back into well and continue frac operations.
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Start Time 00:00	End Time 14:00	Comment all flow back lines and ball catcher tested to Newfield's procedure, continuing to flow well back.Open well with SICP 3,000 psi, initial flow died minutes after opening well to flowback tanks, 01:00 - 1,000 psi, 1.30 bpm, 14/64th choke, 40.5 bbls recovered 02:00 - 1,000 psi, .85 bpm, 10.5/64th choke, 85.5 bbls recovered, had some paraffin in sample, 0500- Well flowing on 11/64" choke @ 1000 psi. .5 bbl per min. Total bbls recovered-182. 0615- Well flowing on 10/64" choke @ 1000 psi .41bbl per min. Total bbls recovered-202. 8:00- well flowing on 8/64" choke @1000 psi .41 bbls min . total bbls recoverd 256 bbls 09:00- well flowing on 10/64"choke @1000 psi .41 bbls min. total bbls 267 0930-well flowing on 10/64"choke @1000 psi .33 bbls min. total bbls 290.5 1000-well flowing on 10/64"choke @1000 psi .29 bbls min. total bbls 299. 1200-well flowing on 10/64" choke @1000 psi .29 bbls min . total recoverd 317 bbls. 1400-well flowing on full open Choke @2000 psi bleed down to 200psi 357 bbls. continue to slug Gas and fluid .
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Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	14:00	End Time	22:30	Comment	Shut in building pressure to 2000psi & open to flow back tanks. well flowing on full open Choke @2000 psi bleed down to 200psi 448 bbls. Getting back more gas than fluid.
Start Time	22:30	End Time	00:00	Comment	Pumping into well at 5 bpm, increased rate to 10 bpm, pressure increased to 9,300 psi, lower rate to 4.9 bpm, pressure increased, lower rate to 3.4 bpm pressure stabilized at 8,482 psi, continued to pump at 3.4 bpm, pressured out at 9,882 psi, 112 bbls pumped, allow pressure to fall and will try to pump into well again.
Report Start Date	6/9/2014	Report End Date	6/10/2014	24hr Activity Summary Flow well back, Get back into well and continue frac operations.	
Start Time	00:00	End Time	07:00	Comment	Pumping at 3.4 bpm 212 bbls in and pressured out, bleed down well and pump 3.4 bpm 284 pressured out, surge well to flowback tanks, pump 3.7 bpm at 7,336 psi, 459 bbls in, 4.6 bpm 7,168 psi, 558 bbls in, 5.0 bpm at 7,207 610 bbls in, pressure increased and pressured out , 658 bbls in, continue to pump into well trying to break and get injection rate to pump guns and plug. Presently pumping in at 4.7 bpm at 8,330 psi, 1,000 bbls in. 0630am. Started pumping in at 3.3 bbls per min @ 6500 psi. 0700am Stopped pumping on well. Prepare to rig out frac crew and set kill plugs in preparation for drill-out.
Start Time	07:00	End Time	11:00	Comment	Rig out frac crew. Rig up wireline to set kill plugs.
Start Time	11:00	End Time	14:00	Comment	1030am-Rih with wireline and set 1st kill plug @ 8704. LT-Before set-1558. LT-After set-1290. Flowback checked pressure before bleeding down. 2550 psi on casing. Opened well on 15/64" choke. Took 2 min to bleed well down to zero. Opened choke to verify well was dead. Pooch with wireline and install a new plug. 1210pm-Set kill plug #2 @8660. LT-before plug set-1688. LT after set-1455. 40 sec to set plug. 1215pm-POOH with wireline
Start Time	14:00	End Time	20:00	Comment	ND frac stack and nipple up BOP stack for drillout. Nipple up BOP stack as follows. 10K 7-1/16" Lower Master Frac Valve (Already Installed on Wellhead) 10K 7-1/16" BOP with Blind/shear rams and double valve choke/kill outlets 10K 7-1/16" pipe BOP with 2-3/8" rams 10K 7-1/16" flow cross with dual, double valved 2-1/16" outlets 10K 7-1/16" single pipe BOP with 2-3/8" rams 5K Annular preventer/Hydrill
Start Time	20:00	End Time	00:00	Comment	Pressure test BOP stack as per NFX/AOI testing guidelines.
Report Start Date	6/10/2014	Report End Date	6/11/2014	24hr Activity Summary MIRU WOR, Clean out	
Start Time	00:00	End Time	02:00	Comment	Continue to inspect 2 3/8 PH-6 tbg, Wait on daylight
Start Time	02:00	End Time	07:00	Comment	Wait on daylight
Start Time	07:00	End Time	11:00	Comment	Drop surface and intermediate lines down below grating. Spot Tseal. Rig up workover rig.
Start Time	11:00	End Time	14:00	Comment	Waitrd on pipe racks to turn drillout string around and load out to pipe racks. Turned tbng around and load racks. Talley tbng and Make up BHA.
Start Time	14:00	End Time	16:00	Comment	Wait on stabbing guides for 2-3/8" PH-6 tbng



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time			End Time			Comment		
16:00			00:00			Begin RIH with BHA as follows (4.625 concave mill)-1.80 (Bitsub/dual flapper)2.19(1 jt of 2-3/8" 5.95# p-110 PH-6 tbng)30.85. and (RN-Nipple).74. Continue picking up tbng and filling tbng every 40 jts.		
Report Start Date	Report End Date	24hr Activity Summary						
6/11/2014	6/12/2014	MIRU WOR, Clean out						
Start Time			End Time			Comment		
00:00			03:00			PUMU/ RIH with BHA as follows: (4.625 concave mill) -1.80 (Bit sub/dual flapper) 2.19 (1 jt of 2-3/8" 5.95# p-110 PH-6 tbng) 30.85 and (RN-Nipple) .74'. Continue picking up tbng and filling tbng every 40 jts. Plug #2 - 8,660' 281 jts.,		
Start Time			End Time			Comment		
03:00			06:00			PU/Swivel and tag kill plug #2 @8,660', Wait on short stiff arm for power swivel. 0600am-Stiff arm arrived on location.		
Start Time			End Time			Comment		
06:00			07:00			Rig up power swivel and 2 short stiff arms. Begin circulating on top kill plug holding 1000 psi back pressure on well bore. Pumping 2 bbls per min		
Start Time			End Time			Comment		
07:00			09:00			Tag top kill plug@ 8689. UP wt-50K, Dwn wt-47, N wt-48 Free torque 1000, Drill torque-1800. took 15 min to drill plug. Drill top kill plug. Pumping 2.5 bbls per min @1500 psi. Returning 2.5 bbls per min @1000 psi on 24/64" choke. Pump 2 gal polymer sweep in 20 bbls. Tag bottom kill plug@ 8730. UP wt-54K, Dwn wt-48, N wt-50 Free torque 1000, Drill torque-1800. took 25 min to drill plug. Drill bottom kill plug. Pumping 2.5 bbls per min @2500 psi. Returning 2.5 bbls per min @2000 psi on 19/64" choke. Pump 2 gal polymer sweep in 20 bbls. Circulate bottoms up-130 bbls total.		
Start Time			End Time			Comment		
09:00			16:00			Continue running in the hole to 9350 and prepare to circulate at the heel of the hole. 1100am-Ran in hole to jt#304 to be @ 9354. 90 deg in the lateral. Begin pumping 1 bottoms up of 180 bbls. Pumping 4.1 bbls per min @ 2150 psi. Returning 5.2 bbls per min @ 60 psi on 2" choke. Pumped 2 , 2gal polymer sweeps. 1 @ 35 bbls in and 1 @ 70 bbls in to make sure the casing was clean. Currently-40 bbls left to pump. Plan forward-RIH until we tag, or until we have to swivel up to rotate the tbng in the well because of pipe on pipe friction. 1340pm-334 jts in the well to be @10,277. Currently loading the tbng and breaking circulation. Plan forward-Continue picking up workstring and going in the hole pumping every 30 jts. We will start pumping pipe on pipe from the mill o the heel every time we load the tbng until we tag up. 1520pm-398 jts in the well to be @ 12,242.89 Currently loading the tbng and breaking circulation. Plan forward-Continue picking up workstring and going in the hole pumping every 30 jts. We have started pumping pipe on pipe from the mill o the heel every time we load the tbng until we tag up		
Start Time			End Time			Comment		
16:00			00:00			1600pm-436 jts in well to be@13,011.57 Talley tbng and pump FR and pipe on pipe to the heel. 464 jts in, 14269', Having to swivel up to continue in hole with tbng. Continue to RIH with BHA picking up tbng, 464 jts in @14,269' having to swivel up to continue to run tbng in hole. Running in hole, Tagged up on sand on jt 512 @15,746', Washed jt down with no problems, continue to wash down tbng, No drag on tbng while pulling after wash down, pipe free, washing down 5 jts pumping between connects and 10 bbl sweep after 5th jt, continue to run tbng and watch for problems.		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

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Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
6/12/2014	6/13/2014	MIRU WOR, Clean out
Start Time	End Time	Comment
00:00	03:00	Tagged up on sand on jt 512 @15,746'. Washed jt down with no problems, continue to wash down tbg, No drag on tbg while pulling after wash down, pipe free, washing down 5 jts pumping between connects and 10 bbl sweep after 5th jt, continue to run tbg and watch for problems. Continue pumping long pumps with sweeps after 30 jts, Normal weights, drags, and pumping with no down hole problems at present.
Start Time	End Time	Comment
03:00	04:30	Pump sweeps and circulate bottoms up, from 16,301', (530 jts in @16,301'
Start Time	End Time	Comment
04:30	05:00	continue to wash down tbg, No drag on tbg while pulling after wash down, pipe free, washing down 5 jts pumping between connects and 10 bbl sweep after 5th jt, continue to run tbg and watch for problems. Continue pumping long pumps with sweeps after 30 jts,
Start Time	End Time	Comment
05:00	16:00	2014 05:00 am Currently – continue to wash down with tbg, 540 jts in the well @ 16,609' 70K up, 40K d, 50K n weights with swivel turning, Plan forward-Continue picking up workstring and going in the hole pumping every 30 jts. 06:50 am Currently – continue to wash down with tbg, 560 jts in the well @ 17,221.54 72K up, 40K d, 58K n weights with swivel turning, Plan forward-Continue picking up workstring and going in the hole pumping every 30 jts. 08:55 am Currently – continue to wash down with tbg, 575 jts in the well @ 17,680.53 72K up, 40K d, 58K n weights with swivel turning, Swivel torque 2400 to 2800 psi. Plan forward-Continue picking up workstring and going in the hole pumping every 30 jts 10:55 am Currently – continue to wash down with tbg, 591 jts in the well @ 18,172.85 70K up, 52K d, 58K n weights with swivel turning, Swivel torque 2800 to 3000 psi. Plan forward-Continue picking up workstring and going in the hole pumping every 30 jts. 1130pm-Basic pwr swivel hydraulic motor broke. Swapped out power swivels Currently – continue to wash down with tbg, 595 jts in the well @ 18,326.85 70K up, 52K d, 58K n weights with swivel turning, Swivel torque 2800 to 3000 psi. Plan forward-Continue picking up workstring and going in the hole pumping every 30 jts.
Start Time	End Time	Comment
16:00	18:00	1640pm-Tagged up on frac plug below stage 5 on jt 604 with 13 ft stick up to be @18559.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

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Start Time 18:00	End Time 00:00	Comment 16:40 pm-Tagged plug #4 on jt 604 with 13 ft stick up to be @18559. Drilled plug in 45 Mins, 60 K (up), 50 K (Neutral), 52 K (down), 2,300 -3,200 torque, 154 bbls pumped, @2.4 bpm, 24/64 choke, 17:35 – RIH and tag plug #3 @18,785', Tagged up on frac plug below stage #4 on jt 611 with 12 ft stick up to be @18785'. 52 K (Neutral), 42 K (down), 2,900 -3,200 torque, Drilled plug in 51 Mins, 58 K (up), 52 K (Neutral), 42 K (down), 2,900 -3,200 torque, 2,900 torque free pipe, 3,000 when tag on plug, 3,200 torque while drilling. 2,100 psi system, 1,100 Psi WH, 150 bbls pumped, @3.2 bpm in, 3. 0 bpm out, 28/64th choke, 2 – 4 K on mill, 20:00 - RIH to plug #2 Tagged plug #2 on jt 619 with 10' ft stick up to be @19,035'. Drilled plug in 32 Mins, 50 K (up), 48 K (Neutral), 42 K (down), 2,800 -3,200 torque, 2,600 psi system, 1,500 Psi WH, 95 bbls pumped, @3.0 bpm in, 3. 6 bpm out, 28/64th choke, 2 - 4 K on mill, 22:00 - RIH to plug #1 Tagged plug #1 on jt 626 with 5' ft stick up to be @19,262'. Drilled plug in 45 Mins, 50 K (up), 52 K (Neutral), 44 K (down), 2,900 -3,200 torque, 2,200 psi system, 750 Psi WH, 95145 bbls pumped, @3.0 bpm in, 3. 0 bpm out, 28/64th choke, 2 - 4 K on mill,
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Report Start Date 6/13/2014	Report End Date 6/14/2014	24hr Activity Summary MIRU WOR, Clean out
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Start Time 00:00	End Time 04:30	Comment RIH to 19,390', Pick up 5' and circulate well bore 1 ½ times volume, Rotating and moving pipe while pumping,
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Start Time 04:30	End Time 07:30	Comment POH and lay down tbg. 0700am-Currently- laying down tbg with the power swivel rotating out. Well is flowing on a 32/64" choke at 25 psi making .25 bbls per hr. Up WT-70K N-58K Dwn WT-50K All rotating. 599 jts plus bha are in the hole to be @- 18,419.08
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Start Time 07:30	End Time 09:00	Comment Pump in test-Begin pumping at 5.1 bbls per min @ 2700 psi. Pumped 30 bbls and got pressure. Pressure leveled out @4900 psi pumping 4.2 BPM Injected 20 bbls. Total bbls pumped from start to finish was 50 bbls.. Opened well to flow-back. 2950 on the casing. Opened well slowly and the pressure started dropping. We were flowing on 32/64" choke @ 90psi returning 4bbls per min and dropping. Currently- Pumping 3.3 bbls per min @ 2800 psi and returning 3 bbls per min @ 1800 psi to spot pipe on pipe from the mill to the heel before continue to POOH with drillout string. Plan is to pump 170 bbls.
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Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time 09:00			End Time 18:30			Comment Continue to POOH 0945am-Rack back power swivel and begin pulling pipe with elevators. We had 550 jts in the well to be @ 16,914.30 Fixed the catwalk so it would scope in closer to the rig floor so the floor-hand didn't have to walk out on the landing to put the pipe in the trough. Currently-Laying down tbng. Well flowing on 2" choke at .5 bbls per min @ 35 psi. Total bbls returned since pumping on well-230. Continuing to POOH with the elevators Had to shut down and change rig slip dies before they started marking up the pipe. Currently-470 jts in well to be @ 14,453.69 Plan forward-Pull tbng to 9350 and circulate bottoms up. 13:40 pm Well flowing on 2" choke at .1bpm. 25 psi on casing. Surging every once in awhile. 15:25 pm 399 jts left in well to be @ 12,273.66 Well has died. 0 psi on casing and 0 flow 16:25 pm 350 jts in the well to be @ 10,769.14 Well is still dead. POH to 9,354', 304 jts in hole.		
Start Time 18:30			End Time 20:00			Comment Circulate and displace drill out fluids with frac water, pump 180 bbls, Circulate from heel up, to clean up well bore		
Start Time 20:00			End Time 00:00			Comment Continue to POH laying down tbng. Well starting to flow back .50 bpm but steady. 180 jts in the well to be @ 5,549' Currently - POH with PH-6 tbng, 184 jts in hole, 5,549', Well steadily giving back .50 bpm flow to tanks. Same flow while pulling tbng and when at stand still, last 2 hours well has given .50 bpm back on 2" open line to tanks. Well flowing at .25 bpm or less, continue to pull tbng from well,		
Report Start Date 6/14/2014	Report End Date 6/15/2014	24hr Activity Summary RDMO WOR, ND/BOP's, NU Frac stack and test same, MIRU Howco frac equipment.						
Start Time 00:00			End Time 02:00			Comment Continue to POH laying down tbng. POH with PH-6 tbng, 120 jts in hole, Well steadily giving back .50 bpm flow to tanks, Same flow while pulling tbng and when at stand still, last 2 hours well has given .50 bpm back on 2" open line to tanks. Well flowing at .25 bpm or less, continue to pull tbng from well, Out of hole with mill. All tools recovered, well shut in,		
Start Time 02:00			End Time 07:00			Comment Rigging down swivel, walk, moving pipe to racks, ready loc to rig down WOR at day light, Wait on daylight.		
Start Time 07:00			End Time 08:00			Comment RDMO work over rig		
Start Time 08:00			End Time 12:00			Comment Nipple down BOP stack and Nipple up frac stack as follows- 10K 7-1/16" 'Lower Master' hydraulic frac valve (HCR) already installed. 10K 7-1/16" 'Upper Master' manual frac valve dual, double 4-1/16" outlets 10K 7-1/16" 'Crown' manual frac valve 10K 7-1/16" flowcross with 10K 7-1/16" Frac head with 4-4" outlets on top.		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	12:00	End Time	15:00	Comment	Pressure test Frac tree as per NFX/AOI testing guidelines.
Start Time	15:00	End Time	03:00	Comment	MIRU Hallburton frac equipment, Unload sand trucks
Start Time	03:00	End Time	12:00	Comment	Rig in Frac crew.
Report Start Date	6/15/2014	Report End Date	6/16/2014	24hr Activity Summary MIRU Howco's frac equipment, Unload sand trucks	
Start Time	00:00	End Time	05:00	Comment	MIRU Howco's frac equipment, Unload sand trucks
Start Time	05:00	End Time	07:00	Comment	Finish rig up of frac equipment.
Start Time	07:00	End Time	08:00	Comment	Load and test lies to 10400.
Start Time	08:00	End Time	08:30	Comment	Sweep wellbore with 450 bbls
Start Time	08:30	End Time	11:30	Comment	Plug and Perf stg#7 RIH with guns and Plug to KOP. Pumped down tool string at 14. bpm @ 6,728Psi, @ 255fpm, 790LT, pumped plug and guns to 18,160', Pulled up and got line tension and set plug @ 18,140'. Line tension prior to setting plug 1652, line tension after plug set 1,480, plug set time :45sec. Pulled up and perforated at 18,070-18,074 & 17,-995,-999. Max pressure for pump down: 6,845psi. Max rate for pump down 14.1 bpm. Total BBls pumped 495 bbls. POOH make sure all guns fired. Currently-POOH with wireline.
Start Time	11:30	End Time	13:00	Comment	Frac stage 7 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 4ppg max design at 38bpm. 3. Had to come offline during pad due to a leak on flowback side. 4. Job went well. BC-200-2.6% (2.7), BA-20-9% (1.2), Scalesorb 7-16.3% (19.4), MC S-2010T-53.3% (70.6) Vicon NF-6.2% (9.9), Losurf 300D-48.7% (129.3) Cat 3/4-72.3% (36.6), MCB 8642-49.1% (26.1)
Start Time	13:00	End Time	16:00	Comment	Plug and Perf stg#8 RIH with guns and Plug to KOP. Pumped down tool string at 14. bpm @ 5,160Psi, @ 246fpm, 785LT, pumped plug and guns to 17,950', Pulled up and got line tension and set plug @ 17,930'. Line tension prior to setting plug 2208, line tension after plug set 2025, plug set time :40sec. Pulled up and perforated at 17,842-17,846 & 17,-740,-744. Max pressure for pump down: 5,254psi. Max rate for pump down 14.1 bpm. Total BBls pumped 474 bbls. POOH make sure all guns fired. Currently-POOH with wireline.
Start Time	16:00	End Time	17:30	Comment	Frac stage 8 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 38bpm. 3. Good smooth job. WG-36-3.8% (59.9), BC-200-2.2% (2.5), FR-66-6.9% (1.2), MO-67-4% (1.1), Scalesorb 7-2.8% (2.9), MC S-2010T-2.8% (1.6) Vicon NF-2.6% (3.8), Losurf 300D-6.2% (6.9)



Well Name: Aubrey 1A-15-22-3-2WH

Summary Rig Activity

Start Time			End Time			Comment		
17:30			19:30			Stage 9 Plug and Perf stg#9 RIH with guns and plug to KOP. Pumped down tool string at 14 bpm at 4,945 psi, at 260fpm, 925LT. Pump plug and guns to 17,690'. Pulled up and got line tension and set plug at 17,670'. Line tension prior to setting plug 1687, line tension after plug set 1,450. Plug set time 40 sec. Pulled up and perforated at 17,644'-17,648' and 17,525',17,529'. Max pressure for pump down: 4,950 psi. Max rate for pump down 14 bpm. Pumped 457 bbls. POH. All shots fired. All tools recovered.		
19:30			20:30			Frac stage 9. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water .2. Used 5ppg max design at 38bpm.3. No problems getting into inertal, but did have pressure come up when 5ppg sand reached bottom. Reduced rate from 38 to 33bpm to line out pressure, able to place job completely. 4. No other issues, overall good job by crew. Ball Seat Stage Pressures and Rate: 6255 psi @ 12.7 bpm , 5090 psi Pressure before Seating , 6265 psi Pressure after Seating		
20:30			00:00			Stage 10 Plug and Perf stage 10. RIH with guns and plug to KOP. Pumped down tool string at 14.1 bpm at 5,320 psi, at 206 fpm, 875 line tension. Pump plug and guns to 17,485'. Pulled up and got line tension and set plug at 17,452'. Line tension prior to setting plug 1665, line tension after plug set 1,450. Plug set time 41 sec. Pulled up and perforated at 17,395'-17,399' and 17,265',17,269'. Max pressure for pump down: 5,326 psi. Max rate for pump down 14.1 bpm. Pumped 538 bbls. POH. All shots fired. All tools recovered. Drop ball.		
Report Start Date	Report End Date	24hr Activity Summary						
6/16/2014	6/17/2014	Frac stages 7-9						
00:00			01:30			Frac stage 10. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 38bpm. 3. Saw good pressure relief from Acid. 4. Had pressure come up with 5ppg on bottom, able to keep rate. 5. No other issues, overall good effort. Able to place job completely. Ball Seat Stage Pressures and Rate: 7185 psi @ 13.7 bpm , 5790 psi Pressure before Seating , 7225 psi Pressure after Seating WG-36-4% (57.1) , Vicon NF-2.6% (3.7) ,		
01:30			03:00			After reheading WL during frac, was picking up plug and guns when pinched WL in a sheave. Had to rehead WL.		
03:00			06:00			Stage 11 Plug and Perf stage 11. RIH with guns and plug to KOP. Pumped down tool string at 14 bpm at 5,250 psi, at 240 fpm, 875 line tension. Pump plug and guns to 17,249'. Pulled up and got line tension and set plug at 17,236'. Line tension prior to setting plug 1698, line tension after plug set 1,390. Plug set time 49 sec. Pulled up and perforated at 17,182'-17,186' and 17,052'-17,056'. Max pressure for pump down: ,652 psi. Max rate for pump down 14 bpm. Pumped 469 bbls. POOH with WL. All shots fired. All tools recovered. Drop ball.		
06:00			07:30			FMC Tech took an hour and a half to grease the whole frac tree. 2- 7 1116th 10k master valves and 4- 4 1116th wing valves. FMC Tech said he couldn't grease the HCR valve because its pressured up.		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 430135522700000

Start Time			End Time			Comment		
07:30			10:00			Frac stage 11. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 38bpm. 3. Began to pressure out on flush with 4 PPA on formation. Flushed 9868 gals and placed ~75k lbs in formation and 25k lbs in the pipe according to IFS. WG-36-2.8% (44.5) , BC-200-3.7% (4.2) , MO-67-5.1% (1.5) , Scalesorb 7-7.1% (7.6) , MC S-2010T-5.4% (2.8) Vicon NF-2.1% (3) , Losurf 300D-4.2% (4.4)		
Start Time			End Time			Comment		
10:00			18:00			Flow back 1.25bpm @ 4psi on a 48\64 choke with a total of 505bbbls recovered. SWI 29 minutes, SICP came up to 1800 psi. Surge well. SWI. Pressured to 1500 in 11 minutes. Open well on 10/64" choke. Pressure dropped to 100 psi. Open well on 2" gut line.		
Start Time			End Time			Comment		
18:00			19:00			Flow well back at .4 bpm. No sand.		
Start Time			End Time			Comment		
19:00			22:00			SI to build up, came up to 1800 psi in 29 min. Surged well then SI again. Came up to 1500 psi in 17 minutes. Opened gradually, pressure bled to 200 psi on 12/64 choke, opened on 2" gutline. Flowed .4 bpm for 1 hr. SWI 30 min, SICP 1800 psi. Surged well. SWI while HES tested lines. ASICP 1550. Surged well. Pumped 50 bbl at 3650 and 3.5 bpm. Increase rate to 4.9 bpm at 3730 psi. At 20 bbl press started up. At 4250 psi dropped rate to 3.5 bpm. Ball seated at 214 bbl. Pressure slowly climbed to 6340 psi. With 325 bbl pumped, pressure rolled over. Pressure 6130 psi with 396 bbl pumped. Increase rate to 4.7 bpm. Pressured to 6450 psi at 460 bbl. At 496 bbl and 6330 psi, increased rate to 5.6 bpm. Pressured to 6550 psi. Press stabilized at 6420 psi with 580 bbl pumped. Increase rate to 6.9 bpm. Press stable at 6480 psi with 605 bbl pumped. Increase rate to 8.2 bpm. Pressured to 8200 psi with 660 bbl pumped. Drop rate to 7 bpm. Press to 8700 psi. Drop rate to 3.6 bpm. Pressure dropped to 7750 psi then slow increase. Pressured up to 8400. SD to watch bleed off. Bled down to 3850 psi in 5 minutes.		
Start Time			End Time			Comment		
22:00			00:00			Pressure bled off to 3850 psi in five minutes, 3730 psi after 30 minutes. Pump 11 bbl at 10 bpm, pressured up to 8730 psi. Pressure bled down to 4250 psi in 5 minutes. Pump 7 bbl at 11.6 bpm. Pressured to 8800 psi. Pressure bled to 4880 psi in 3 minutes. Pump 8 bbl at 11.8 bpm. Pressured up to 8900 psi. Pressure bled to 4800 psi in 5 minutes. Pump 8 bbl at 15 bpm. Pressured up to 8700 psi. Bled to 4800 psi in 5 minutes. Pump 8 bbl at 15 bpm. Pressured to 9000 psi. Bled off to 4750 psi in five minutes. Pump 8 bbl at 15 bpm, pressured to 8800 psi. Pressure bled to 3700 psi in 10 minutes		
Report Start Date	Report End Date	24hr Activity Summary						
6/17/2014	6/18/2014	Flow back stage 11						
Start Time			End Time			Comment		
00:00			02:00			Flow well through 2' gut line. Recovered 50 bbl in 4 minutes. SWI. SICP 3600 psi. Pump 47 bbl, seated ball, pressured up to 9000 psi. Bled off to 4800 psi in 4 minutes. Pump 8 bbl at 15 bpm, pressured up to 9000 psi. Bled off to 3900 psi in 10 minutes. Flow well through 2" gut line. Recovered 50 bbl in 5 minutes. SICP 3525 psi. Pump 35 bbl at 15 bpm, pressured up to 8700 psi. Bled off to 3925 in 4 minutes. Pump 9 bbl at 15 bpm, pressured up to 8700 psi. Pressure bled off to 3850 psi in five minutes, 3730 psi after 30 minutes. Pump 11 bbl at 10 bpm, pressured up to 8730 psi. Pressure bled down to 4250 psi in 5 minutes. Pump 7 bbl at 11.6 bpm. Pressured to 8800 psi. Pressure bled to 4880 psi in 3 minutes. Pump 8 bbl at 11.8 bpm. Pressured up to 8900 psi. Pressure bled to 4800 psi in 5 minutes. Pump 8 bbl at 15 bpm. Pressured up to 8700 psi. Bled to 4800 psi in 5 minutes. Pump 8 bbl at 15 bpm. Pressured to 9000 psi. Bled off to 4750 psi in five minutes. Pump 8 bbl at 15 bpm, pressured to 8800 psi. Pressure bled to 3700 psi in 10 minutes. Flow well through 2' gut line. Recovered 50 bbl in 4 minutes. SWI. SICP 3600 psi. Pump 47 bbl, seated ball, pressured up to 9000 psi. Bled off to 4800 psi in 4 minutes. Pump 8 bbl at 15 bpm, pressured up to 9000 psi. Bled off to 3900 psi in 10 minutes. Flow well through 2" gut line. Recovered 50 bbl in 5 minutes. SICP 3525 psi. Pump 35 bbl at 15 bpm, pressured up to 8700 psi. Bled off to 3925 in 4 minutes. Pump 9 bbl at 15 bpm, pressured up to 8700 psi.		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time	02:00	End Time 03:30	Comment Continue to pressure up to 9000 psi at 15 bpm five more times bleeding pressure to 3900 psi between each time. SICP 3900 psi. Flow back 50 bbl in 12 minutes on 2" line. Pump 15 bbl at 15 bpm. Seated ball, pressured up to 8800 psi. Bleed pressure down to 3900 psi. Pump 52 bbl at 3.3 bpm, pressured up to 8900 psi. Well bled off to 3900 psi. Flow back on 2", recover 50 bbl at 50 psi. SWI. SICP 3470 psi after 10 minutes. Pump 13 bbl at 15 bpm. Pressured up to 8500 psi.
Start Time	03:30	End Time 06:30	Comment Well bled down to 3500 psi. Open on 2" line, pressure fell to 0 in 2 minutes. SWI. Recovered 10 bbl water. Continue surging well 7 times, pressuring to 3450 psi and dropping to 0 psi while recovering 15 bbl each time.
Start Time	06:30	End Time 10:00	Comment 07:30 Open the well on 2" line, pressure fell to 10 in 3 minutes. SWI. Recovered 11 bbl water. Surged the well 2 times, pressuring to 3450 psi and dropping to 10 psi while recovering 11 bbl each time. Left the well open we have recovered 800bbbls total since we shut down from pumping last night. The well is flowing at 3.5bpm at 200 psi. right now. Starting to get trace amounts of sand in the samples we are taking (trace amounts). 09:30 The well was flowing got up to 6.75bpm at 350psi for about 15 minutes then started to drop off. It fell down to 2.5bpm at 80psi we surged the well three times. The pressure climbed up to 1900psi all three times the well is now flowing at 2.2bpm at 60psi. total bbbls recovered since pumping last night is at 1150bbbls.
Start Time	10:00	End Time 12:00	Comment We pumped into the well at 15bpm until halliburton trucks kicked out at 8000psi. surged the well back to 1000psi shut in and did it again. Then we pumped into the well at 20bpm until halliburton trucks kicked out at 8000psi surged the well back to 1000psi shut in and did it again. Then we pumped into the well at 25bpm until halliburton trucks kicked out at 8200psi surged the well back to 1000psi shut in and did it again. Then tried to pump at 3.3 bpm and the pressure went up to 8000psi we shut down and open the well up to flowback again.
Start Time	12:00	End Time 16:00	Comment We are flowing the well back on a 12\64 choke at 1000psi at a rate of 1.3bpm. Bringing back trace amount of sand.
Start Time	16:00	End Time 18:00	Comment We are flowing the well back on a 48\64 choke at 60psi at a rate of 2bpm. No Sand.
Start Time	18:00	End Time 20:00	Comment Flow back well on 48/64" choke at 20 psi. Rare slowed to .71 bpm.
Start Time	20:00	End Time 00:00	Comment Pump 116 bbl at 3.3 bpm, pressure slowly rose to 8100 psi. Ball seated, quit ppg at 8700 psi with a ttl of 120 bbl pumped. Allowed pressure to bleed to 6450 psi, pressured to 9500 with 9 bbl. allowed pressure to bleed down to 6300 psi. Pressured to 9500 psi in 8 bbl. pressure bled off to 5200 psi. Pump 10 bbl to pressure up to 9500 psi. Surge well from 5500 psi to 0 psi, recover 20 bbl. pump 10 bbl, ball seated, pressured to 9500 psi with a ttl of 17 bbl. Flow back 20 bbl, pressure dropped from 5200 psi to 0 psi. Pump 11 bbl at 15 bpm, pressure to 9500 psi. Flowback 20 bbl, pressure dropped from 5200 psi to 0 psi. Pump 12 bbl at 15 bpm, pressure to 9500 psi. Flow back 20 bbl, pressure dropped from 5200 psi to 0 psi. Pump 7 bbl at 15 bpm, pressured up to 9500 psi. Flow back 20 bbl, pressure dropped from 5800 psi to 0 psi. Pump 25 bbl at 3.4 bpm. Ball seated, pressure rose from 5700 psi to 9100 psi. Pump 95 ttl bbl when pressure rose to 9500 psi. Let pressure drop to 7000 psi. Started pumping 3.3 bpm. Pumped 5 bbl when pressured up to 9500 psi.
Report Start Date	6/18/2014	Report End Date	6/19/2014
24hr Activity Summary Flow back stage 11. RD frac equipment.			
Start Time	00:00	End Time 06:00	Comment Monitor csg pressure. 02:00-3490 psi 04:00-3375 psi 05:00-3350 psi
Start Time	06:00	End Time 08:00	Comment Opened the well wide open on a 48/64 choke.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	08:00	End Time	11:00
		Comment	RD the Frac crew and wireline crew.
Start Time	11:00	End Time	13:00
		Comment	Set the first 10k composite bridge plug in middle of 3rd full joint at 8,577'. Currently wireline is pooh.
Start Time	13:00	End Time	15:00
		Comment	Set the Second 10k composite bridge plug in middle of 4th full joint at 8,537' bled off the pressure between plugs. Currently wireline is pooh. Halliburton is emptying out the movers to move them off location.
Start Time	15:00	End Time	18:00
		Comment	Continue to RD Frac and Wireline crews. Move sand off location along with movers. ND FMC Frac stack and haul it off location.
Start Time	18:00	End Time	00:00
		Comment	Empty and move out sand bins, inspect work string.
Report Start Date	6/19/2014	Report End Date	6/20/2014
		24hr Activity Summary	RD frac equipment.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR.
Report Start Date	6/20/2014	Report End Date	6/21/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/21/2014	Report End Date	6/22/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/22/2014	Report End Date	6/23/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/23/2014	Report End Date	6/24/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/24/2014	Report End Date	6/25/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/25/2014	Report End Date	6/26/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/26/2014	Report End Date	6/27/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/27/2014	Report End Date	6/28/2014
		24hr Activity Summary	Wait on WOR to clean out.
Start Time	00:00	End Time	00:00
		Comment	Wait on WOR to clean out.
Report Start Date	6/28/2014	Report End Date	6/29/2014
		24hr Activity Summary	Wait on WOR to clean out.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time			00:00	End Time		00:00	Comment	Wait on WOR to clean out.
Report Start Date	Report End Date	24hr Activity Summary						
6/29/2014	6/30/2014	Wait on WOR to clean out.						
Start Time			00:00	End Time		00:00	Comment	Wait on WOR to clean out.
Report Start Date	Report End Date	24hr Activity Summary						
6/30/2014	7/1/2014	Wait on WOR to clean out.						
Start Time			00:00	End Time		01:45	Comment	SICP 0 psi. Remove night cap from HCR. NU BOP stack. Change pipe rams from 2-7/8" to 2-3/8".
Start Time			01:45	End Time		03:00	Comment	Pressure test BOPstack 250 psi low/ 10,000 psi high per Newfield's guidelines.
Start Time			03:00	End Time		06:00	Comment	Wait on WOR.
Start Time			06:00	End Time		14:00	Comment	MIRU Nabors WOR & Mountain State Snubbing Unit
Start Time			14:00	End Time		18:00	Comment	Finish the RU snubbing unit. Test blind rams and 2-3/8" pipe rams in double ram BOP and BOP stack in snubbing unit 250 low/ 5000 high per Newfield guidelines. . Test annular to 3500 psi. Test Good
Start Time			18:00	End Time		00:00	Comment	PU 4.625" OD x 1.25" ID x 1.85L concave bit with 2-3/8" PAC pin; 2.875" OD x 1.90' L double flapper sub with 2-3/8" PAC box x 2-3/8 PH6 box; 1 jt 2-3/8, 5.95#, PH6, P110 tbg; 2.875" OD x 1.710 x .74'L RN nipple, and 2-3/8, 5.95#, PH6, P110 tbg. Fill tbg every 40 jts.
Report Start Date	Report End Date	24hr Activity Summary						
7/1/2014	7/2/2014	MIRU WOR. PU 2-3/8" WS.						
Start Time			00:00	End Time		06:00	Comment	PU 4.625" OD x 1.25" ID x 1.85L concave bit with 2-3/8" PAC pin; 2.875" OD x 1.90' L double flapper sub with 2-3/8" PAC box x 2-3/8 PH6 box; 1 jt 2-3/8, 5.95#, PH6, P110 tbg; 2.875" OD x 1.710 x .74'L RN nipple, and 164 jts 2-3/8, 5.95#, PH6, P110 tbg.PU R-nipple. PU 112 jts, tti 276 jts. Fill tbg every 40 jts. Tie back on single line. Pick up power swivel.
Start Time			06:00	End Time		08:00	Comment	RU power swivel & Nabors back up pump to Weatherford 10K pump Stiff arms on swivel are to long will not go thru derrick board . Basic oil tools rentals is bringing out shorter stiff arms.
Start Time			08:00	End Time		11:00	Comment	0800am-Currently- RIH w/ tbg 279 jts @8537 1st kill plug with the power swivel 18/64" choke at 1000 psi making 2.5 bbls min. Up WT-50K N-47K Dwn WT-46K pumping in @2.5 bbls min@2000 psi.
Start Time			11:00	End Time		13:00	Comment	11:00am-Currently- RIH w/ tbg 289 jts @8597 2nd kill plug with the power swivel 18/64" choke at 2500 psi making 2.5 bbls min. Up WT-42K N-40K Dwn WT-39K pumping in @2.5 bbls min@4000 psi. FS 1100lbs torque Drill torque 1600 lbs
Start Time			13:00	End Time		17:00	Comment	Pump BTM up @4bbls min 4000psi . 2 10 bbl sweeps .flowed back on 32/64 choke 4.3 bbls min. 2800psi on well head . currently RD power swivel and RIH w/ 2 3/8" 5.95 PH-6 tbg to stage#11 frac plug. approx 8639' to RIH before reaching plug. 17:00 pm Currently: RIH w/377jts 2 3/8" 5.95 PH-6 tbg depth is 11605' to stage#11 frac plug @17238'.
Start Time			17:00	End Time		23:30	Comment	PU 464 jts 2 3/8" 5.95 PH-6 tbg depth is 14,284'. Pick up swivel to rotate and circulate in hole to overcome drag. Continue IH with 28 jts 2-3/8" PH6. Depth 15243'. Pump 2.5 bpm at 4200 psi, returns 2.5 bpm at 2700 psi, 18/64" choke. Up wt 42K, N38K, down 32K. Torque 2000 at 100 RPM.
Start Time			23:30	End Time		00:00	Comment	The shear bolt for the castle nut on the blocks sheared off and the nut is backing out. Wait on mechanic.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

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Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
7/2/2014	7/3/2014	Drill out kill plugs. PU 2-3/8" WS
Start Time	End Time	Comment
00:00	01:30	Repair blocks.
Start Time	End Time	Comment
01:30	03:00	Pick up 14 jts 2 3/8" 5.95 PH-6 tbg depth is 15,574' with 506 jts IH..
Start Time	End Time	Comment
03:00	06:00	Weld broke on drive line yoke for u-joint . Waiting on repairs. Pumping 2.5 bpm at 4200 psi, returns 2.5 bpm at 2700 psi on 15/64" choke. Light paraffin and gas in returns.
Start Time	End Time	Comment
06:00	11:00	Repair is finished Con't swiveling in w / 2 3/8" 5.95# PH6 tbg currently on jt 527 @16220' ned 33 more jts to reach first frac plug at 17238'
Start Time	End Time	Comment
11:00	12:30	Currently: Picked up 560 jts 2 3/8" 5.95 PH-6 tbg 4'out depth is 1,7238'. Swiveling in Pumping 2.5 bpm at 4200 psi, returns 2.5 bpm at 2700 on 15/64" choke. Getting ready to start drilling out Stage#11 frac plug. Up wt 51k DN wt 38k Neutral wt 44k FS 2800lbs torque, drill torque 3200lbs, WOB 4k , Pumping @2.5 bbls min 4000psi . flow back 2.5 bbls min 18/64" choke.2000psi.
Start Time	End Time	Comment
12:30	16:30	Currently: Picked up 568 jts 2 3/8" 5.95 PH-6 tbg 4'out depth is 1,7452'. Swiveling in Pumping 2.5 bpm at 4200 psi, returns 2.5 bpm at 2700 on 15/64" choke. Getting ready to start drilling out Stage#1 frac plug. Up wt 51k DN wt 39k Neutral wt 41k FS 2800lbs torque, drill torque 3200lbs, WOB 4k , Pumping @2.5 bbls min 3200psi . flow back 2.5 bbls min 18/64" choke.2000psi. Plug#9 Picked up 575 jts 2 3/8" 5.95 PH-6 tbg 29'out depth is 1,7670'. Swiveling in Pumping 2.5 bpm at 4200 psi, returns 2.5 bpm at 2700 on 15/64" choke. Getting ready to start drilling out Stage#09 frac plug. Up wt 51k DN wt 39k Neutral wt 41k FS 2800lbs torque, drill torque 3200lbs, WOB 4k , Pumping @2.5 bbls min 3000psi . flow back 2.5 bbls min 18/64" choke.1500psi.
Start Time	End Time	Comment
16:30	18:30	Currently: Picked up 583 jts 2 3/8" 5.95 PH-6 tbg 15'out depth is 1,7930'. Swiveling in Pumping 2.5 bpm at 4200 psi, returns 2.5 bpm at 2700 on 15/64" choke. Getting ready to start drilling out Stage#8 frac plug. Up wt 47k DN wt 37k Neutral wt 41k FS 2900lbs torque, drill torque 3200lbs, WOB 6k , Pumping @2.5 bbls min 3200psi . flow back 2.5 bbls min 18/64" choke.1400psi. Plug#7 Picked up 590 jts 2 3/8" 5.95 PH-6 tbg 20'out depth is 1,8140'. Swiveling in Pumping 2.5 bpm at 4200 psi, returns 2.5 bpm at 2700 on 15/64" choke. Getting ready to start drilling out Stage#07 frac plug. Up wt 54k DN wt 40k Neutral wt 44k FS 1400lbs torque, drill torque 2600lbs, WOB 5k , Pumping @2.5 bbls min 2300psi . flow back 2.5 bbls min 18/64" choke.1750psi.
Start Time	End Time	Comment
18:30	00:00	Pumping 730 bbls w/ 10 bbl sweeps @ 4.0 bpm at 4000 psi, returns 4.0 bpm at 2100 psi on 22/64" choke. Light paraffin returns.while rotating swivel moving string up and down every 20 min until double BTMS up is acheived. shut in well until morning. EOT
Report Start Date	Report End Date	24hr Activity Summary
7/3/2014	7/4/2014	PU 2-3/8" WS
Start Time	End Time	Comment
00:00	06:00	Well shut in until daylight
Start Time	End Time	Comment
06:00	10:00	Open well. CSG 2300 psi. TBG 0 psi. RU power swivel. Catch circulation. Pump clean up cycle w/ 370 bbls fresh wtr w/ 10 bbl polymer sweep & fluid treated w/ pipe on pipe friction reducer. Start TOOH LD 2 3/8" 5.9# P-110 PH-6 tbg w/ swivel to relieve stored torque. Swivel out 10 jts tbg. RD power swivel. Continue TOOH LD tbg on elevators (50K up weight).



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time			End Time			Comment		
10:00			12:30			TOOH w/ tbg. Get out of hole w/ 73 jts tbg. Rig operator drug pipe thru snubbing unit slips causing actuation pins to shear due to slips being hydraulic instead of air. SD for repairs to slips		
Start Time			End Time			Comment		
12:30			13:00			Repairs made to slips. Continue TOOH LD tbg.		
Start Time			End Time			Comment		
13:00			17:00			Continue TOOH w/ 2 3/8" 5.95# P-110 PH-6 tbg. Get out of hole w/ 293 jts tbg. SD @ 9400' to circulate 1 well bore vole w/ 190 bbls wtr @ 4.5 bpm in 4.5 bpm out @ 3200 psi pump & 2000 psi well head.		
Start Time			End Time			Comment		
17:00			20:00			TOOH w/ 81 jts 2 3/8" 5.95 PH-6 tbg. 386 jts out total. 212 jts left in hole. 2300 psi well head pressure. SD to tie back rig to double fast and SWIFN. EOT @ 6519'		
Start Time			End Time			Comment		
20:00			00:00					
Report Start Date	Report End Date	24hr Activity Summary						
7/4/2014	7/5/2014	PU 2-3/8" WS. RDMO WOR						
Start Time			End Time			Comment		
00:00			06:00					
Start Time			End Time			Comment		
06:00			06:30			Check well head pressure. CSG 2450 psi. TBG 0 psi. Equilize above pipe rams. Open well. Continue TOOH w/ 2 3/8" 5.95# P-110 PH-6 TBG.		
Start Time			End Time			Comment		
06:30			11:00			Continue TOOH w/ 146 jts 2 3/8" 5.95# P-110 PH-6 tbg. Start snubbing out of hole w/ remaining 66 jts tbg. Get out of hole w/ tbg. Break out drill BHA. SWI w/ HCR & blind shear rams. Prep to RD snubbing unit.		
Start Time			End Time			Comment		
11:00			14:00			RDMO Mountain States snubbing unit. RDMO Nabors work over rig. Rack out & release all equipment. Instal Weatherford night cap on BOP stack. SDFW		
Start Time			End Time			Comment		
14:00			00:00					
Report Start Date	Report End Date	24hr Activity Summary						
7/5/2014	7/6/2014	Wait on Frac Crew						
Start Time			End Time			Comment		
00:00			00:00			Wait on Frac Crew		
Report Start Date	Report End Date	24hr Activity Summary						
7/6/2014	7/7/2014	Wait on Frac Crew						
Start Time			End Time			Comment		
00:00			00:00			Wait on Frac Crew		
Report Start Date	Report End Date	24hr Activity Summary						
7/7/2014	7/8/2014	Wait on Frac Crew						
Start Time			End Time			Comment		
00:00			00:00			Wait on Frac Crew		
Report Start Date	Report End Date	24hr Activity Summary						
7/8/2014	7/9/2014	RD Pros FB sec to WH, RD FMC DO stk, RU/PT Frac stk, prep loc to frac. Drain cellar and RU to monitor surf csg psi during frac.						
Start Time			End Time			Comment		
00:00			10:00			Shut Down for Night		
Start Time			End Time			Comment		
10:00			10:30			Check well pressure		
Start Time			End Time			Comment		
10:30			11:45			RD Pros FB section connected to the WH. NDRD flow-X/vlvs and dbf BOPS.		
Start Time			End Time			Comment		
11:45			13:30			RUNU Frac stk and ball catcher. RU FB to the Frac stack.		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

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Start Time	13:30	End Time	16:30	Comment	Pressure test Frac tree and FB iron as per NFX/AOI testing guidelines. RU frac stand.
Start Time	16:30	End Time	17:15	Comment	RDMO B&G Crane, B&C Quicktest.
Start Time	17:15	End Time	23:15	Comment	Heat residual oil in return and FB tanks. Transfer oil to Aubrey Production tanks.
Start Time	23:15	End Time	00:00	Comment	Shut Down for Night
Report Start Date	7/9/2014	Report End Date	7/10/2014	24hr Activity Summary Wait on Frac Crew	
Start Time	00:00	End Time	00:00	Comment	Wait on Frac Crew
Report Start Date	7/10/2014	Report End Date	7/11/2014	24hr Activity Summary Wait on Frac Crew	
Start Time	00:00	End Time	00:00	Comment	Wait on Frac Crew
Report Start Date	7/11/2014	Report End Date	7/12/2014	24hr Activity Summary Wait on Frac Crew	
Start Time	00:00	End Time	12:00	Comment	Wait on frac crew
Start Time	12:00	End Time	18:00	Comment	MIRU Howco frac equipment, JW wireline, Ready location to continue frac operations.
Report Start Date	7/12/2014	Report End Date	7/13/2014	24hr Activity Summary MIRU Howco equipment, JW wireline.	
Start Time	00:00	End Time	01:00	Comment	Prim pumps and pressure frac lines to 9,800 psi, Flush casing volume and RIH wireline for P&P of stage #12
Start Time	01:00	End Time	01:30	Comment	Flush casing
Start Time	01:30	End Time	05:00	Comment	P&P stage #12 RIH with plug and perf guns to KOP. Pump down to 17,016' PU and set plug at 16,993'. Perforate 16,935'- 39', 16,800'- 04', LT before setting plug- 1,331, after set 1,312. ? sec to set. Max PD rate 14.2 bpm. Max pressure was 5,710 psi with 265.8 fpm line speed and 937 lbs on the tension. Pumped total 439.03 bbl. all shots fired. All tools recovered. Ball dropped.
Start Time	05:00	End Time	00:00	Comment	Continue to move in howco equipment, Having to change out blender with one coming from Vernal's yard.
Report Start Date	7/13/2014	Report End Date	7/14/2014	24hr Activity Summary MIRU Howco equipment, Frac well, stages 12,13,14,15,	
Start Time	00:00	End Time	01:30	Comment	Continue to move in Howco equipment, Stage #12 perfed, spotting rest of frac equipment at present.
Start Time	01:30	End Time	05:00	Comment	Rig up frac equipment and hammer up frac lines,
Start Time	05:00	End Time	09:00	Comment	Prim pumps and pressure test, Bucket test. Hold safety Meeting . Prepare to start Job.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	09:00	End Time	12:00	Comment Frac Stage#12 1, Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 4ppg max design at 35bpm.3. Saw about 2000psi pressure increase when ball seated, but saw good pressure relief from Acid.4. Had trouble lining out BC-200 and MO-67 during 0.5ppg 100Mesh stage, took BC to manual and swapped MO-67 from LA 2 to 1.5. Pressure increased with 3ppg on bottom but did level out and had steady increase when 4ppg reached bottom. Ball Seat Stage Pressures and Rate: 7660 psi @ 15 bpm , 5700 psi Pressure before Seating , 7725 psi Pressure after Seating BC-200-4.9% (8.2) , MO-67-4% (1.7) , MC S-2010T-2.9% (1.7) Vicon NF-3.9% (8) , Losurf 300D-2.2% (2.6)
Start Time	12:00	End Time	14:00	Comment P&PStage#13 RIH with guns and Plug to KOP. Pumped down tool string at 14. bpm @ 6,760Psi, @ 255fpm, 925LT, pumped plug and guns to 16710', Pulled up and got line tension and set plug @ 16696'. Line tension prior to setting plug 1617, line tension after plug set 1,530, plug set time :55sec. Pulled up and perforated at 16665-16,669 & 16,-525,-529. Max pressure for pump down: 6,760 psi. Max rate for pump down 14. bpm. Total BBIs pumped 400.44 bbls. POOH make sure all guns fired.
Start Time	14:00	End Time	16:00	Comment Frac stage #13 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 4ppg max design at 35bpm. 3. Saw good pressure increase when ball seated and had good pressure relief after Acid reached bottom. 4. Trouble lining out MO-67 and BC-200 during job. 5. Had weak Xlink, low Xlink pH, increased MO-67 up to 0.7gpt during job. Fluid seemed to be channeling to one side of the missile. 6. No significant pressure increases, able to place job completely. Ball Seat Stage Pressures and Rate: 6625 psi @ 15.1 bpm , 5730 psi Pressure before Seating , 6620 psi Pressure after Seating WG-36-11.1% (224.3) , BC-200-4.2% (6.7) , MO-67-3.6% (1.7) , MC S-2010T-3.9% (2.5) Vicon NF-4.4% (8.6) , Losurf 300D-3.2% (4.1)
Start Time	16:00	End Time	19:00	Comment P&P stage #14 RIH with plug and perf guns to KOP. Pump down to 16,497' PU and set plug at 16,485'. Perforate16,435'- 39', 16,335'- 39', LT before setting plug- 1,724, after set 1,1480. 36 sec to set. Max PD rate14.2 bpm. Max pressure was 4,967 psi with 247 fpm line speed and 889 lbs on the tension. Pumped total 406.42 bbl. all shots fired. All tools recovered. Ball dropped.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time 19:00	End Time 22:30	Comment Frac stage #14. Lost crosslink during the pad. Flushed to 100 mesh and shut down to work out the issue. MO-67 ran erratically during the stage and is being addressed during the wireline run. Job treated well with all proppant placed. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 4ppg max design at 35bpm. 3. Lost crosslink during 100 Mesh stage. Would run sporadically, then fell off completely. Flushed 100 mesh and shut down to work on add pump. 4. Crosslink samples came in a bit weak and low on pH. Increased MO setpoint to 0.7 gal/mgal. 5. At end of 3# stage, crosslink sample came in very weak. Held 3# until another sample was brought to the van. 6. Reduced size of 4# sand stage to compensate for long 3# stage. 7. MO-67 ran extremely erratic throughout stage. Will address during wireline run. Ball Seat Stage Pressures and Rate: 5721 psi @ 15.3 bpm , 5210 psi Pressure before Seating , 5724 psi Pressure after Seating WG-36-4% (69.2) , BC-200-7.1% (9.6) , BA-20-6.3% (1.1) , MO-67-5.6% (2.1) , MC S-2010T-8.1% (5.6) Vicon NF-3.1% (6) , Losurf 300D-9.9% (13.8) , MCB 8642-7.7% (2.2)
Start Time 22:30	End Time 00:00	Comment P&P stage #15 RIH with plug and perf guns to KOP. Pump down to 16,293' PU and set plug at 16,272'. Perforate 16,200'- 04', 16,065'- 69', LT before setting plug- 1,485, after set 1,250. 36 sec to set. Max PD rate 14.2 bpm. Max pressure was 5,331 psi with 265 fpm line speed and 889 lbs on the tension. Pumped total 402.59 bbl. POH with tools at report time.
Report Start Date 7/14/2014	Report End Date 7/15/2014	24hr Activity Summary & 20
Start Time 00:00	End Time 00:30	Comment P&P stage #15 Finished POH with wireline, all shots fired. All tools recovered. Ball dropped.
Start Time 00:30	End Time 02:30	Comment Frac stage #15. Job went well with all proppant placed. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 4ppg max design at 35bpm. 3. Held pad until a good crosslink sample was observed. 4. MO-67 was still erratic throughout the stage. 4. Job treated well with all proppant placed. Ball Seat Stage Pressures and Rate: 5307 psi @ 15.3 bpm , 5020 psi Pressure before Seating , 5303 psi Pressure after Seating BA-20-7.1% (1.1) , MO-67-5.4% (2.3) , MC S-2010T-4.6% (2.6) , Vicon NF-7.9% (13.9) , Losurf 300D-7.3% (8.2) , Cat 3/4-7.1% (1.1) , MCB 8642-6% (1.4)
Start Time 02:30	End Time 04:30	Comment P&P of stage #16. RIH with plug and perf guns to KOP. Pump down to 16,040' PU and set plug at 16,020'. Perforate 15,970'- 74', 15,845'- 49', LT before setting plug- 1,614, after set 1,370. 47 sec to set. Max PD rate 14.3 bpm. Max pressure was 5,034 psi with 250 fpm line speed and 791 lbs on the tension. Pumped total 398.54 bbl. all shots fired. All tools recovered. Ball dropped



Well Name: **Aubrey 1A-15-22-3-2WH**

Summary Rig Activity

Sundry Number : 54708 API Well Number : 43013522700000

Start Time 04:30	End Time 06:30	Comment frac 16 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water .2. Used 5 ppg max design at 35bpm. 3. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 6294 psi @ 15.4 bpm , 5433 psi Pressure before Seating , 6294 psi Pressure after Seating. WG-36-4.3% (56.3) , BC-200-5.3% (5.4) , MO-67-3% (1.1) , MC S-2010T-9.5% (4.9) Vicon NF-7.1% (9.9) , Losurf 300D-2.7% (2.7)
Start Time 06:30	End Time 08:30	Comment P&P of stage #17 RIH with plug and perf guns to KOP. Pump down to 15790' PU and set plug at 115808'. Perforate 15,730'- 734', 15,635'- 639', LT before setting plug- 1,691, after set 1,490. 54 sec to set. Max PD rate 14.2 bpm. Max pressure was 5,738 psi with 250 fpm line speed and 800 lbs on the tension. Pumped total 404.48 bbl. all shots fired. All tools recovered. Ball dropped
Start Time 08:30	End Time 10:30	Comment Frac Stage#17 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water .2. Used 5ppg max design at 35bpm.3. Good job with no issues, placed job completely. Ball Seat Stage Pressures and Rate: 5250 psi @ 15.2 bpm , 5225 psi Pressure before Seating , 5250 psi Pressure after Seating. WG-36-3.1% (37.8) , BC-200-5% (4.7) , MO-67-3.5% (1.3) , MC S-2010T-4.6% (2.3) Vicon NF-4.9% (6.4) , Losurf 300D-4.6% (4.5)
Start Time 10:30	End Time 12:30	Comment P&P of stage #18 RIH with plug and perf guns to KOP. Pump down to 15550' PU and set plug at 11549'. Perforate 15,500'- 504', 15,435'- 439', LT before setting plug- 1,680, after set 1,424. 33 sec to set. Max PD rate 14.1 bpm. Max pressure was 4,797 psi with 263 fpm line speed and 900 lbs on the tension. Pumped total 337.64 bbl. all shots fired. All tools recovered. Ball dropped
Start Time 12:30	End Time 14:00	Comment Frac Stage #18 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water .2. Used 5ppg max design at 35bpm.3. Trouble lining out MO-67 through out job and some trouble with BC -200 fluctuating. Will go through LA's between jobs.4. Saw 1800psi increase when ball seated but had good pressure relief with Acid on bottom. 5. No other issues, able to pump job to completion. Ball Seat Stage Pressures and Rate: 7230 psi @ 15.2 bpm , 5280 psi Pressure before Seating , 7325 psi Pressure after Seating BC-200-2.1% (1.9) , MO-67-12.8% (4.5) , MC S-2010T-5.9% (2.8) Vicon NF-6.3% (8) , Losurf 300D-3.8% (3.5)
Start Time 14:00	End Time 15:30	Comment P&P of stage #19 RIH with plug and perf guns to KOP. Pump down to 15350' PU and set plug at 15350'. Perforate 15,275'- 279', 15,185'- 189', LT before setting plug- 1,525, after set 1,394. 39 sec to set. Max PD rate 14.1 bpm. Max pressure was 5002 psi with 258 fpm line speed and 815 lbs on the tension. Pumped total 352.31 bbl. all shots fired. All tools recovered. Ball dropped
Start Time 15:30	End Time 17:00	Comment Frac Stage #19 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water .2. Used 5ppg max design at 35bpm. 3. Good job with no problems, placed job completely. Ball Seat Stage Pressures and Rate: 5940 psi @ 15.1 bpm , 5270 psi Pressure before Seating , 6015 psi Pressure after Seating. BC-200-3.5% (3.2) , MO-67-3.5% (1.3) , MC S-2010T-3.7% (1.8) Vicon NF-3.4% (4.5) , Losurf 300D-4.7% (4.5)



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time			End Time			Comment		
17:00			18:30			P&P of stage #20 RIH with plug and perf guns to KOP. Pump down to 15121' PU and set plug at 15138'. Perforate15,085'- 089', 14965'- 969', LT before setting plug- 1,417, after set 1,182. 29 sec to set. Max PD rate14.1 bpm. Max pressure was 4954 psi with 267 fpm line speed and 905 lbs on the tension. Pumped total 318.48 bbl. all shots fired. All tools recovered. Ball dropped.		
Start Time			End Time			Comment		
18:30			20:30			FMC will Grease Frac Stack.		
Start Time			End Time			Comment		
20:30			22:00			Frac Stage #20 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm. 3. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 7864 psi @ 15.3 bpm , 5666 psi Pressure before Seating , 7832 psi Pressure after Seating WG-36-3.6% (43.4) , MO-67-8.9% (2.9) , MC S-2010T-7.8% (3.7) Vicon NF-5.3% (7) , Losurf 300D-8.9% (8.6) Cat 3/4-6.4% (1.6) ,		
Start Time			End Time			Comment		
22:00			00:00			Waited on J-W wireline truck to regen for about 20 minutes before going in the hole. P&P of stage #21 RIH with plug and perf guns to KOP. Pump down to 14875' PU and set plug at 14868'. Perforate14,795'-799', 14,680'-684', LT before setting plug- 1,430, after set 1,290. 21 sec to set. Max PD rate14bpm. Max pressure was 4915 psi with 286 fpm line speed and 890 lbs on the tension. Pumped total 314.35 bbl. POOH w/wireline & Guns.		
Report Start Date	Report End Date	24hr Activity Summary						
7/15/2014	7/16/2014	Frac stgs 21,22,23,24,25,26 & 27						
Start Time			End Time			Comment		
00:00			01:00			POOH wireline after P&P stg #21		
Start Time			End Time			Comment		
01:00			02:00			Frac stg #21-1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm. 3. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 6299 psi @ 15.4 bpm , 5194 psi Pressure before Seating , 6298 psi Pressure after Seating. BC-200-9% (8.2) , MO-67-9% (2.9) , Scalesorb 7-33.1% (49.4) , Vicon NF-8.1% (11.6) , Losurf 300D-3.5% (3.3) Cat 3/4-8.1% (2) , MCB 8642-7.2% (1.3)		
Start Time			End Time			Comment		
02:00			04:30			P&P of stage #22 RIH with plug and perf guns to KOP. Pump down to 14645' PU and set plug at 14635'. Perforate14,590'-594', 14,495'- 495', LT before setting plug- 1,394, after set 1,230. 53 sec to set. Max PD rate14.1bpm. Max pressure was 4850 psi with 284 fpm line speed and 860 lbs on the tension. Pumped total 303.37 bbl. POOH w/wireline & Guns.		
Start Time			End Time			Comment		
04:30			06:30			Frac Stage #22 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm. 3. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 7144 psi @ 15.2 bpm , 5686 psi Pressure before Seating , 7133 psi Pressure after Seating. BC-200-3.8% (3.5) , MO-67-9.1% (3.6) , MC S-2010T-3.1% (1.4) Vicon NF-8.6% (11.1) , Losurf 300D-10.1% (9.2)		
Start Time			End Time			Comment		
06:30			08:00			P&P of stage #23 RIH with plug and perf guns to KOP. Pump down to 14440' PU and set plug at 14428'. Perforate14,375'-379', 14,240'- 244', LT before setting plug- 1,1245, after set 1,190. 43 sec to set. Max PD rate14bpm. Max pressure was 5,203 psi with 2254 fpm line speed and 840 lbs on the tension. Pumped total 314 bbl. POOH w/wireline & guns. All shots fired. All tools recovered.		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time	End Time	Comment
08:00	09:45	Frac stage 23. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm.3. Trouble getting gel concentration up when going from 10# to 25# gel, extended Xlink pad to get go visc & xlink.4. No other issues, able to pump job to completion. Ball Seat Stage Pressures and Rate: 5645 psi @ 15.1 bpm , 5250 psi Pressure before Seating , 5715 psi Pressure after Seating WG-36-16.3% (240.1) , BC-200-5% (5.8) , MO-67-5% (2.2) , MC S-2010T-4.7% (2.4) Vicon NF-4.8% (7.3) , Losurf 300D-4.7% (4.9) Cat 3/4-4.5% (1.4) ,
09:45	11:30	Comment P&P of stage #24 RIH with plug and perf guns to KOP. Pump down to 14,190' PU and set plug at 14'175'. Perforate14,142'-146', 14,028'- 032'. LT before setting plug- 1,395, after set 1,290. 23 sec to set. Max PD rate14.1 bpm. Max pressure was 4894 psi with 260 fpm line speed and 872 lbs on the tension. Pumped total 277 bbl. POOH w/wireline & guns. All shots fired. All tools recovered.
11:30	13:00	Comment Frac stage #24.1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water 2. Used 5ppg max design at 35bpm.3. Good job with no issues, pumped to completion. Ball Seat Stage Pressures and Rate: 5410 psi @ 15.2 bpm , 5040 psi Pressure before Seating , 5410 psi Pressure after Seating. WG-36-11.5% (142.2) , MO-67-4% (1.3) , MC S-2010T-4.3% (1.9) Vicon NF-4.3% (5.7) , Losurf 300D-4.6% (4.2))
13:00	14:45	Comment P&P of stage #25. RIH with plug and perf guns to KOP. Pump down to 13'980' PU and set plug at 13,957'. Perforate13,855'-859', 13,795'- 799', LT before setting plug- 1,127, after set 1,127. 40 sec to set. Max PD rate14.1 bpm. Max pressure was 4736 psi with 267 fpm line speed and 910 lbs on the tension. Pumped total 238 bbl. POOH w/wireline & guns. All shots fired. All tools recovered.
14:45	16:30	Comment Frac stage #25. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm. 3. Good job with no issues, pumped job to completion. Ball Seat Stage Pressures and Rate: 5095 psi @ 15.2 bpm , 4790 psi Pressure before Seating , 5095 psi Pressure after Seating. WG-36-2.4% (29.7) , BC-200-3.9% (3.7) , MO-67-3.5% (1.2) , MC S-2010T-4.2% (1.8) Vicon NF-4.7% (6.1) , Losurf 300D-4.2% (3.7))
16:30	18:00	Comment P&P of stage #26. RIH with plug and perf guns to KOP. Pump down to 13'730' PU and set plug at 13,708'. Perforate13,652'-656', 13,580'- 584', LT before setting plug- 1,300, after set 1,166. 31 sec to set. Max PD rate14.1 bpm. Max pressure was 4751 psi with 259 fpm line speed and 938 lbs on the tension. Pumped total 240 bbl. POOH w/wireline & guns. All shots fired. All tools recovered.
18:00	20:00	Comment FMC will grease the frac stack after wireline gets OOH.
20:00	21:00	Comment Frac stg #26. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water. 2. Used 5ppg max design at 35bpm. 3. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 5163 psi @ 15.4 bpm , 4874 psi Pressure before Seating , 5163 psi Pressure after Seating. WG-36-2.7% (33) , BC-200-9.4% (9.1) , FR-66-8.7% (1.1) , MO-67-4.2% (1.4) , MC S-2010T-9% (3.9) Vicon NF-7.7% (10) , Losurf 300D-8.1% (7.1) Cat 3/4-4.1% (1.1) , MCB 8642-9% (1.6))
21:00	23:00	Comment P&P#27. RIH with plug and perf guns to KOP. Pump down to 13,558' PU and set plug at 13,478'. Perforate13,460'-464', 13,375'- 379', LT before setting plug- 1,270, after set 1,144. 26 sec to set. Max PD rate14bpm. Max pressure was 5,358psi with 280fpm line speed and 850lbs on the tension. Pumped total 236.07bbl.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 430135522700000

Start Time			End Time			Comment		
23:00			00:00			Frac stg #27. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm. 3. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 5304 psi @ 16.5 bpm , 4968 psi Pressure before Seating , 5304 psi Pressure after Seating. BC-200-6.3% (6) , MO-67-8.8% (2.9) , Scalesorb 7-10.2% (11.3) , MC S-2010T-4.8% (2) Vicon NF-6.5% (8) , Losurf 300D-7.1% (5.9) . Cat 3/4-5.9% (1.4) , MCB 8642-7.1% (1.2)		
Report Start Date	Report End Date	24hr Activity Summary						
7/16/2014	7/17/2014	Frac stgs 28,29,30,31,32,33 & 34						
Start Time			End Time			Comment		
00:00			02:00			P&P stg #28. RIH with plug and perf guns to KOP. Pump down to 13,558' PU and set plug at 13,478'. Perforate13,460'-464' , 13,375'- 379' , LT before setting plug- 1,270, after set 1,144. 26 sec to set. Max PD rate14bpm. Max pressure was 5,358psi with 280fpm line speed and 850lbs on the tension. Pumped total 236.07bbl.		
Start Time			End Time			Comment		
02:00			03:00			Frac stg #28. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water. 2. Used 5ppg max design at 35bpm. 3. Job went well. Ball Seat Stage Pressures and Rate: 6521 psi @ 15.3 bpm , 5329 psi Pressure before Seating , 6521 psi Pressure after Seating. BC-200-9.1% (8.3) , MO-67-9.1% (2.9) , Scalesorb 7-8.5% (9.3) , Losurf 300D-5.1% (4.1) . Cat 3/4-7.7% (1.8) ,		
Start Time			End Time			Comment		
03:00			05:00			P&P stg #29. RIH with plug and perf guns to KOP. Pump down to 13,034' PU and set plug at 13,021.5'. Perforate13,003'- 007' , 12,865'- 869' , LT before setting plug- 1,207, after set 1,110. 29 sec to set. Max PD rate 14.2bpm. Max pressure was 5,586psi with 268fpm line speed and 860lbs on the tension. Pumped total 209.75bbl.		
Start Time			End Time			Comment		
05:00			06:00			Frac stg #29. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm.3. Had higher initial pressure when ball seated.4. Saw good relief from acid and some more relief from 100 Mesh 5. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 7895 psi @ 15.2 bpm , 5763 psi Pressure before Seating , 7956 psi Pressure after Seating MO-67-9.2% (2.9) , Losurf 300D-4.2% (3.4) MCB 8642-8.1% (1.3)		
Start Time			End Time			Comment		
06:00			08:00			P&P stg #30. RIH with plug and perf guns to KOP. Pump down to 12,855' PU and set plug at 12,798'. Perforate12,756'-760' , 12,675'- 679' , LT before setting plug- 1,185, after set 1,076. 43 sec to set. Max PD rate13.2 bpm. Max pressure was 4,960 psi with 250 fpm line speed and 845 lbs on the tension. Pumped total 194 bbl. POOH with WL. All tools recovered. All shots fired.		
Start Time			End Time			Comment		
08:00			10:15			Frac stg #30.1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water . 2. Used 5ppg max design at 35bpm. 3. Saw good pressure increase when ball seated, but had good relief when Acid reached bottom. 4. No other issues, good job, pumped to completion. Ball Seat Stage Pressures and Rate: 6295 psi @ 15.1 bpm , 5325 psi Pressure before Seating , 6300 psi Pressure after Seating WG-36-6.5% (79.5) , BC-200-4.6% (4.3) , MC S-2010T-4.3% (1.8) Vicon NF-4% (5.1) , Losurf 300D-4% (3.4)		
Start Time			End Time			Comment		
10:15			12:00			P&P stg #31. RIH with plug and perf guns to KOP. Pump down to 12,631' PU and set plug at 12,536'. Perforate12,525'-529' , 12,400'- 404' , LT before setting plug- 1300, after set 1212. 30 sec to set. Max PD rate13.1 bpm. Max pressure was 4,763 psi with 247 fpm line speed and 846 lbs on the tension. Pumped total 185 bbl. POOH with WL. All tools recovered. All shots fired.		



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time	End Time	Comment
12:00	13:15	Frac stg #31. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water. 2. Used 5ppg max design at 35bpm. 3. Had 2300psi increase when ball seated, but had good pressure relief from Acid. 4. Trouble lining out LoSurf 300 during the 1ppg sand stage, sucked tote down to low. 5. No other issues, overall good job, placed completely. Ball Seat Stage Pressures and Rate: 7585 psi @ 15 bpm , 5290 psi Pressure before Seating , 7485 psi Pressure after Seating WG-36-4.4% (50.6) , BC-200-3.7% (3.4) , MO-67-4.3% (1.4) , Vicon NF-3.5% (4.3) , Losurf 300D-3.8% (3)
Start Time	End Time	Comment
13:15	15:15	P&P stg #32. RIH with plug and perf guns to KOP. Pump down to 12,381' PU and set plug at 12,340'. Perforate 12,305'-309' , 12,195'- 199' , LT before setting plug- 1260, after set 1170. 20 sec to set. Max PD rate 13.1 bpm. Max pressure was 4,798 psi with 261 fpm line speed and 857 lbs on the tension. Pumped total 155 bbl. POOH with WL. All tools recovered. All shots fired.
Start Time	End Time	Comment
15:15	16:45	Frac stage #32. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water. 2. Used 5ppg max design at 35bpm. 3. Good job with no problems, pumped to completion. Ball Seat Stage Pressures and Rate: 6510 psi @ 15.2 bpm , 5275 psi Pressure before Seating , 6555 psi Pressure after Seating. MC S-2010T-4.2% (1.7) Vicon NF-4.8% (5.8) , Losurf 300D-3% (2.3)
Start Time	End Time	Comment
16:45	18:30	P&P stg #33. RIH with plug and perf guns to KOP. Pump down to 12,191' PU and set plug at 12,120'. Perforate 12,072'-076' , 11,950'- 954' , LT before setting plug- 1340, after set 1187. 35 sec to set. Max PD rate 13 bpm. Max pressure was 4,792 psi with 237 fpm line speed and 846 lbs on the tension. Pumped total 155 bbl. POOH with WL. All tools recovered. All shots fired.
Start Time	End Time	Comment
18:30	19:30	FMC greased the frac stack
Start Time	End Time	Comment
19:30	20:30	Frac stg #33. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water. 2. Used 5ppg max design at 35bpm. 3. Job went well. Ball Seat Stage Pressures and Rate: 6847 psi @ 15.1 bpm , 5359 psi Pressure before Seating , 6847 psi Pressure after Seating. Losurf 300D-8.4% (6.6)
Start Time	End Time	Comment
20:30	22:30	P&P stg #34. RIH with plug and perf guns to KOP. Pump down to 11,912' PU and set plug at 1,1907'. Perforate 11,845'-849' , 11,703'- 707' , LT before setting plug- 1,187, after set 1,120. 43 sec to set. Max PD rate 13.9bpm. Max pressure was 4,950psi with 275fpm line speed and 850lbs on the tension. Pumped total 147.07bbl.
Start Time	End Time	Comment
22:30	23:30	Frac stg #34. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced Water. 2. Used 5ppg max design at 35bpm. 3. Job went well. Ball Seat Stage Pressures and Rate: 7031 psi @ 17 bpm , 5745 psi Pressure before Seating , 7031 psi Pressure after Seating. Scalesorb 7-10.2% (11.4) ,
Start Time	End Time	Comment
23:30	00:00	P&P stg #35
Report Start Date	Report End Date	24hr Activity Summary
7/17/2014	7/18/2014	35,36,37,38,39,40 & 41



Summary Rig Activity

Sundry Number : 54708 API Well Number : 43013522700000

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Start Time	00:00	End Time	01:30	Comment P&P stg #35. RIH with plug and perf guns to KOP. Pump down to 11,660' PU and set plug at 11,654'. Perforate 11,590'-594', 11,508'- 512'. LT before setting plug- 1,250, after set 1,025. 43 sec to set. Max PD rate 13.8bpm. Max pressure was 4,822psi with 287fpm line speed and 862lbs on the tension. Pumped total 126.28bbl.
Start Time	01:30	End Time	02:30	Comment Frac stg #35. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Fresh Water. 2. Used 5ppg max design at 35bpm. 3. Held 4 ppg shortly into the 5 ppg stage to observe pressure. 4. Dropped rate to 30 bpm during flush due to pressure turning up. 5. Extended flush to observe clean up prior to dropping rate. Ball Seat Stage Pressures and Rate: 7488 psi @ 17.1 bpm , 5747 psi Pressure before Seating , 7482 psi Pressure after Seating
Start Time	02:30	End Time	04:00	Comment P&P stg #36. RIH with plug and perf guns to KOP. Pump down to 11,465' PU and set plug at 11,442'. Perforate 11,375'-379', 11,290'- 294', LT before setting plug- 1,200, after set 1,000. 58 sec to set. Max PD rate 13.8bpm. Max pressure was 6,515psi with 220fpm line speed and 840lbs on the tension. Pumped total 162.80bbl.
Start Time	04:00	End Time	05:00	Comment Frac stg #36. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Fresh Water . 2. Used 5ppg max design at 35bpm. 3. Held 4 ppg due to pressure trend deviating from inverse hydrostatic. 4. Job was pumped to completion with all proppant placed. 5. Had a issue with too much Vicon being run. Issue is being resolved during wireline. Ball Seat Stage Pressures and Rate: 6224 psi @ 17.7 bpm , 5620 psi Pressure before Seating , 6220 psi Pressure after Seating. BC-200-7.1% (6.7) , FR-66-39.5% (4.3) , CL-31-14.6% (1.7) MC S-2010T-6.7% (2.6) Vicon NF-114.8% (141.6) , Cat 3/4-5.8% (1.5) ,
Start Time	05:00	End Time	07:00	Comment P&P stg #37. RIH with plug and perf guns to KOP. Pump down to 11,219' PU and set plug at 11,187'. Perforate 11,095'-099', 11,045'- 049', LT before setting plug- 1,198, after set 1,020. 45 sec to set. Max PD rate 12.1 bpm. Max pressure was 5,141 psi with 208 fpm line speed and 820 lbs on the tension. Pumped total 131 bbl. POOH with WL. All tools recovered. All shots fired.
Start Time	07:00	End Time	08:30	Comment Frac stage #37. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Fresh Water . 2. Used 5ppg max design at 32bpm. 3. Lowered rate from 35 to 32bpm, and worked rate up slowly to 32bpm. 4. Extended Xlink pad to get good Xlink, brought on MO-67 at 0.4gpt. 5. Trouble lining out Vicon, shutdown in Xlink Pad to fix, prime-up left open. 6. No significant pressure increases, able to pump prop as scheduled. Able to place job completely. Ball Seat Stage Pressures and Rate: 5400 psi @ 13 bpm , 5010 psi Pressure before Seating , 5405 psi Pressure after Seating. BC-200-4.2% (4.7) , MC S-2010T-7.4% (3.2) Vicon NF-4.3% (6) , Losurf 300D-3% (2.6) Cat 3/4-3.5% (1) ,
Start Time	08:30	End Time	10:15	Comment P&P stg #38. RIH with plug and perf guns to KOP. Pump down to 11,049' PU and set plug at 11,012'. Perforate 10,945'-949', 10,835'- 839', LT before setting plug- 1,260, after set 1,080. 55 sec to set. Max PD rate 13.1 bpm. Max pressure was 5,221 psi with 201 fpm line speed and 830 lbs on the tension. Pumped total 138 bbl. POOH with WL. All tools recovered. All shots fired.
Start Time	10:15	End Time	11:45	Comment Frac stage #38. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Fresh Water . 2. Used 5ppg max design at 32bpm. 3. Pumped job at 32bpm, had steady pressure decline through out job. 4. Good job with no issues, able to pump to completion. Ball Seat Stage Pressures and Rate: 6415 psi @ 13.5 bpm , 5325 psi Pressure before Seating , 6410 psi Pressure after Seating WG-36-3% (35) , MC S-2010T-4.2% (1.6) Vicon NF-4.8% (5.7) , Losurf 300D-3.8% (2.8) ,



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 430135522700000

Start Time	End Time	Comment
11:45	13:30	P&P stg #39. RIH with plug and perf guns to KOP. Pump down to 10,744' PU and set plug at 10,766'. Perforate 10,710'-714', 10,605'- 609', LT before setting plug- 1,240, after set 1,040. 45 sec to set. Max PD rate13.1 bpm. Max pressure was 5,022 psi with 226 fpm line speed and 827 lbs on the tension. Pumped total 100 bbl. POOH with WL. All tools recovered. All shots fired.
Start Time	End Time	Comment
13:30	14:30	Grease frac tree.
Start Time	End Time	Comment
14:30	16:00	Frac stage #39.1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Fresh Water . 2. Used 5ppg max design at 32bpm. 3. Had to take off pump in the 1.0ppg 100Mesh stage, lost packing. 4. No other issues, overall good job - pumped to completion. Ball Seat Stage Pressures and Rate: 7135 psi @ 14.5 bpm , 5610 psi Pressure before Seating , 6740 psi Pressure after Seating. WG-36-8% (99.9) , BC-200-3.5% (3.3) , Vicon NF-3.4% (4.1) ,
Start Time	End Time	Comment
16:00	17:30	P&P stg #40. RIH with plug and perf guns to KOP. Pump down to 10,560' PU and set plug at 10,520'. Perforate 10,470'-474', 10,365'- 369', LT before setting plug- 1,260, after set 1,070. 45 sec to set. Max PD rate12.9 bpm. Max pressure was 5,408 psi with 211 fpm line speed and 850 lbs on the tension. Pumped total 85 bbl. POOH with WL. All tools recovered. All shots fired.
Start Time	End Time	Comment
17:30	19:00	Frac stg #40. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Fresh Water. 2. Used 5ppg max design at 32bpm. 3. Had extra 100Mesh split volume between jobs. 4. Overall good job with no issues, pumped to completion. Ball Seat Stage Pressures and Rate: 7665 psi @ 15.2 bpm , 5855 psi Pressure before Seating , 7095 psi Pressure after Seating. WG-36-6.8% (93.7) , BC-200-3.2% (3.5) , Losurf 300D-2.5% (2.1))
Start Time	End Time	Comment
19:00	20:00	P&P stg #41. RIH with plug and perf guns to KOP. Pump down to 10,284' PU and set plug at 10,254'. Perforate 10,190'-194', 10,110'- 114', LT before setting plug- 1,152, after set 1,085. 32 sec to set. Max PD rate13.9bpm. Max pressure was 5,081psi with 230fpm line speed and 870lbs on the tension. Pumped total 71.15bbl.
Start Time	End Time	Comment
20:00	21:30	Frac stg #41.1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Fresh Water. 2. Used 5ppg max design at 32bpm. 3. 100 Mesh cleaned up late. 4. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 6361 psi @ 13.4 bpm , 5303 psi Pressure before Seating , 6361 psi Pressure after Seating. WG-36-2.6% (34.9) , BC-200-2.2% (2.6) , MC S-2010T-3.5% (1.6) Losurf 300D-4.3% (3.9))
Start Time	End Time	Comment
21:30	00:00	Set Kill Plug #1 in the middle of the third full joint above the KOP at 8,575 LT before 1,510, LT after 1,290, 38 sec. Set Kill Plug #2 in the middle of the forth full joint above the KOP at 8,530 LT before 1,490, LT after 1,300, 32 sec. Wire line POOH to RD and MOL. Halliburton is RD and MOL.
Report Start Date	Report End Date	24hr Activity Summary
7/18/2014	7/19/2014	RD Frac Equipment
Start Time	End Time	Comment
00:00	05:00	RD Frac and Wireline Equipment. At 05:00 Halliburton has three movers and a tee belt on location everything else is off location.
Start Time	End Time	Comment
05:00	13:30	B&G Crane and B&C Quick Test are on location to ND the frac stack and NU the BOP stack. JSA and safety meeting. ND frac stack. NU BOP stack. Test BOP stack to Newfield's guide lines, test flow back iron



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time	End Time	Comment
13:30	19:30	MIRU nabors rig #1450. Spot in pumps, catwalk, and pipe racks. Inspect work string. Set pipe on racks.
Start Time	End Time	Comment
19:30	00:00	SDFN waiting on WOR to staff up for 24 hour ops. We will start again at 07:00 tomorrow.
Report Start Date	Report End Date	24hr Activity Summary
7/19/2014	7/20/2014	MIRU WOR
Start Time	End Time	Comment
00:00	07:00	Wait on Nabors to staff up for 24hr operation.
Start Time	End Time	Comment
07:00	07:30	JSA and safety meeting.
Start Time	End Time	Comment
07:30	16:30	PU 4.625" OD x 1.250" ID x 1.85' L concave bit, 2.875" OD x 1.90" L double flapper check, 1 jt 2-3/8", 5.95#, P110, PH6 tbg, 2.875" OD x 1.710" ID x .74' L RN nipple, and 272 jts 2-3/8", 5.95#, P110, PH6 tbg filling pipe every 1000'. Total 273 jts in hole. EOT at 8454. PU 2-3/8" EUE landing jt and land tbg at 8475' with TWCV in hanger. Close blind/shear rams.
Start Time	End Time	Comment
16:30	00:00	Wait on rig assist snubbing unit.
Report Start Date	Report End Date	24hr Activity Summary
7/20/2014	7/21/2014	RU Rogue snubbing unit test it and drill out the two kill plugs
Start Time	End Time	Comment
00:00	03:30	Rogue Snubbing unit got here at 00:25 We held a PJSM with everybody on location and went over ND the 5K annular bag and RU the Rogue 10k snubbing unit.
Start Time	End Time	Comment
03:30	04:30	While performing our first high test the inside valve on the flowcross on offside of the rig started leaking through the bonnet seal. Weatherford is making phone calls to get one brought out to location.
Start Time	End Time	Comment
04:30	05:30	Hot shotting parts for bonnet seal to location to fix the flowcross valve.
Start Time	End Time	Comment
05:30	06:00	JSA and safety meeting with all vendors.
Start Time	End Time	Comment
06:00	11:45	Repaired the wing valve and tested OK.Pressure test and repair door seal leaks on snubbing unit. Repair leaks on several hydraulic valves. Tested snubbing unit BOP pipe rams to a low of 250 psi for 5 minutes and a high of 10,000psi for 10 minutes and annular to 3500 psi per Newfield guidelines. SICP 0 psi. Back out lock in pins and unland tbg.
Start Time	End Time	Comment
11:45	14:45	PU power swivel.
Start Time	End Time	Comment
14:45	17:45	15:05- drill out kill plug #2 Tagged kill plug #2 at 8557' by tally on jt #276 with 6' stick up. Up weight 52, down weight 40, neutral 40. 1200 free torque, 1600 drill torque. WOB: 6 pts, RPM-100. 2.5 bbl in at 2000 psi, 2.5 bbl out 200 psi on 48/64" choke. 26 minutes to drill plug. Pumped 63 bbbls water with 10 bbl gel sweep. 15:44- drill out kill plug #1 Tagged kill plug #1 at 8604' by tally on jt #278 with 20' stick up. Up weight 32, down weight 20, neutral 28. 1200 free torque, 1600 drill torque. WOB: 6-8 pts, RPM-100. 2.5 bbl in at 4100 psi, 2.9 bbl out 3300 psi on 29/64" choke. 52 minutes to drill plug. Pumped 130 bbbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep. Circulate bottoms up.
Start Time	End Time	Comment
17:45	18:15	Finished pumping bottoms up and the crew laid the swivel back to get to the next plug.



Summary Rig Activity

Start Time	18:15	End Time	19:30	Comment	Started PU the work string going in to tag up on plug #41. We PU 19 Joints to tag up on Joint 298 (9244.86'). RU power swivel. The next plug is @ 10,276'.
Start Time	19:30	End Time	22:30	Comment	PU the power swivel after tagging up @ 9244.86 on (jt 298). Had to re-do the power swivel stiff arm cables in the derrick of the rig so they would work better. Finally got the stiff arms to slide through the board its still close.
Start Time	22:30	End Time	00:00	Comment	Started to drill up the last part of the second kill plug we went through here at 9244.86 on (jt 298). We are going back to a single stiff arm set up instead of the dual arm set up. Basic is going to hopefully have two stiff arms made tomorrow that are shorter than the ones we have on location now.
Report Start Date	7/21/2014	Report End Date	7/22/2014	24hr Activity Summary Drilled out 2 kill plugs and 10 frac plugs	
Start Time	00:00	End Time	04:30	Comment	Started back in the hole after going to a single stiff arm set-up. Pick up 24 jts and tagged up at 10,283.61 on jt 322 16.5' out.
Start Time	04:30	End Time	06:00	Comment	At 04:20 tagged Frac plug #40 at 10,283.61' by tally on jt #322 with 16' sticking up. Up weight 36, down weight 28, neutral 35. 1200 free torque, 1700 drill torque. WOB: 6-8 pts, RPM-100. 2.5 bbl in at 4000 psi, 2.5 bbl out 3200 psi on 17/64" choke. 45 minutes to drill plug. Pumped 128 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep. Continue to PU 2 3/8" PH6 workstring until we tag plug #39
Start Time	06:00	End Time	08:00	Comment	06:01- drill out frac plug #39 Tagged frac plug #39 at 10,528' by tally on jt #340 with 16' stick up. Up weight 37, down weight 27, neutral 33. 1650 free torque, 2000 drill torque. WOB: 6-8 pts, RPM-110. 2.5 bbl in at 3800 psi, 2.5 bbl out 3100 psi on 18/64" choke. 13 minutes to drill plug. Pumped 37 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep. 07:00- drill out frac plug #38 Tagged frac plug #38 at 10,775' by tally on jt #348 with 16' stick up. Up weight 37, down weight 27, neutral 32. 1500 free torque, 2000 drill torque. WOB: 6-8 pts, RPM-110. 2.5 bbl in at 3800 psi, 2.5 bbl out 3100 psi on 18/64" choke. 13 minutes to drill plug. Pumped 101 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep.
Start Time	08:00	End Time	10:30	Comment	08:30- drill out frac plug #37 Tagged frac plug #37 at 11,005' by tally on jt #356 with 15' stick up. Up weight 45, down weight 33, neutral 40. 1700 free torque, 2100 drill torque. WOB: 6-8 pts, RPM-110. 2.5 bbl in at 3800 psi, 2.5 bbl out 3100 psi on 18/64" choke. 26 minutes to drill plug. Pumped 70 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep. 09:34- drill out frac plug #36 Tagged frac plug #36 at 11,200' by tally on jt #362 with 24' stick up. Up weight 40, down weight 32, neutral 35. 1650 free torque, 2200 drill torque. WOB: 6-8 pts, RPM-110. 2.5 bbl in at 3800 psi, 2.9 bbl out 3200 psi on 20/64" choke. 43 minutes to drill plug. Pumped 108 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep.
Start Time	10:30	End Time	11:30	Comment	Circulate 225 bbl bottoms up at 4 bpm and 4700 psi. 4.5 bpm out on 29/64" choke at 2900 psi.
Start Time	11:30	End Time	12:30	Comment	Tagged frac plug #35 at 11453' by tally on jt #370 with 20' stick up. Up weight 43, down wt 36, neutral 41. Free torque 1600, drill torque 2000. Decided too much torque for a single stiff arm as there was too much play in the line. Circulate.
Start Time	12:30	End Time	16:30	Comment	Circulate 330 bbl while waiting on and installing short stiff arms.



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Sundry Number : 54708 API Well Number : 43013522700000

Start Time	End Time	Comment
16:30	17:30	16:20-drill out frac plug #35 Tagged frac plug #35 at 11453' by tally on jt #370 with 20' stick up. Up weight 43, down wt 36, neutral 41. Free torque 1600, drill torque 2000. WOB 6-8 pts, RPM 110. 2.5 bbl in at 3800 psi, 2.8 bbl out at 3200 psi on 18/64" choke. 30 minutes to drill plug. Pumped 72 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep
Start Time	End Time	Comment
17:30	19:00	17:40-drill out frac plug #34 Tagged frac plug #34 at 11,673' by tally on jt #377 with 15' stick up. Up weight 42, down wt 31, neutral 36. Free torque 1700, drill torque 2050. WOB 6-8 pts, RPM 110. 2.5 bbl in at 3800 psi, 2.8 bbl out at 3200 psi on 18/64" choke. 41 minutes to drill plug. Pumped 88 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep.
Start Time	End Time	Comment
19:00	00:00	19:57-drill out frac plug #32 Tagged frac plug #32 at 12,134' by tally on jt #392 with 10'in. Up weight 36k, down weight 26k, neutral weight 32k. Free torque 1500, drill torque 2000. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.5 bbl out at 3050 psi on 26/64" choke. 53 minutes to drill plug. Pumped 130 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep. 21:29-drill out frac plug #31 Tagged frac plug #31 at 12,342' by tally on jt #399 with 3'in. Up weight 36k, down weight 28k, neutral weight 33k. Free torque 1600, drill torque 1900. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.5 bbl out at 3000 psi on 20/64" choke. 32 minutes to drill plug. Pumped 80 bbls water with ¼ gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep. 10:00- Started pumping a bottoms up of 240bbls. Should be done at around 23:30.
Report Start Date	Report End Date	24hr Activity Summary
7/22/2014	7/23/2014	Drillout 18 frac plugs in this 24 hour period
Start Time	End Time	Comment
00:00	02:00	00:19-drill out frac plug #30 Tagged frac plug #30 at 12,565' by tally on jt #406 with 10'in. Up weight 36k, down weight 28k, neutral weight 32k. Free torque 1600, drill torque 2000. WOB 6-8 pts, RPM 110. 2.5bbl in at 3900psi, 3.1bbl out at 3200psi on 21/64" choke. 20 minutes to drill plug. Pumped 60bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep. 01:10-drill out frac plug #29 Tagged frac plug #29 at 12,822' by tally on jt #414 with 22'in. Up weight 36k, down weight 27k, neutral weight 34k. Free torque 1600, drill torque 2100. WOB 6-8 pts, RPM 110. 2.5bbl in at 3900psi, 2.3bbl out at 3100 psi on 23/64" choke. 27 minutes to drill plug. Pumped 90bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.
Start Time	End Time	Comment
02:00	05:30	02:19-drill out frac plug #28 Tagged frac plug #28 at 13,024' by tally on jt #421 with 8'in. Up weight 35k, down weight 26k, neutral weight 32k. Free torque 1600, drill torque 2000. WOB 6-8 pts, RPM 110. Pump rate 2.4bbl in at 4600psi, Return rate 2.5bbl out at 3000psi on 23/64" choke. 25 minutes to drill plug. Pumped 80bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep. 03:20-drill out frac plug #27 Tagged frac plug #27 at 13,297' by tally on jt #430 with 1'in. Up weight 35k, down weight 25k, neutral weight 32k. Free torque 1900, drill torque 2200. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4100psi, Return rate 2.5bbl out at 3000psi on 23/64" choke. 21 minutes to drill plug. Pumped 52bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep. 03:45- Pumping a bottoms up here 13,326'. We will pump 265bbls. Should be done pumping around 05:30.



Summary Rig Activity

Start Time	05:30	End Time	07:15	Comment 05:51-drill out frac plug #26 Tagged frac plug #26 at 13,478' by tally on jt #436 with 11' stick up. Up weight 36, down wt 27, neutral 33. Free torque 1900, drill torque 2200. WOB 6-8 pts, RPM 110. 2.5 bbl in at 3900 psi, 2.6 bbl out at 3100 psi on 21/64" choke. 26 minutes to drill plug. Pumped 67 bbls water with 3/4 gal Western Chemical's FR-7 per 1000 gal water. Pump 10 bbl gel sweep. 06:41-drill out frac plug #25 Tagged frac plug #25 at 13,710' by tally on jt #443 with 18' stick up. Up weight 42, down wt 27, neutral 27. Free torque 1800, drill torque 2400. WOB 6-8 pts, RPM 110. 2.5 bbl in at 3800 psi, 2.6 bbl out at 3200 psi on 18/64" choke. 28 minutes to drill plug. Pumped 66 bbls water with 3/4 gal Western Chemical's FR-7 per 1000 gal water and 1.5 gal POP. Pump 10 bbl gel sweep.
Start Time	07:15	End Time	09:00	Comment 07:39-drill out frac plug #24 Tagged frac plug #24 at 13,957' by tally on jt #451 with 13' stick up. Up weight 44, down wt 30, neutral 32. Free torque 1800, drill torque 2300. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.5 bbl out at 3100 psi on 21/64" choke. 26 minutes to drill plug. Pumped 66 bbls water with 3/4 gal Western Chemical's FR-7 per 1000 gal water and 1.5 gal POP. Pump 10 bbl gel sweep. 08:29-drill out frac plug #23 Tagged frac plug #23 at 14,175' by tally on jt #458 with 13' stick up. Up weight 39, down wt 25, neutral 32. Free torque 1700, drill torque 2500. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.6 bbl out at 3100 psi on 21/64" choke. 23 minutes to drill plug. Pumped 55 bbls water with 3/4 gal Western Chemical's FR-7 per 1000 gal water and 2.5 gal POP. Pump 10 bbl gel sweep.
Start Time	09:00	End Time	10:30	Comment 08:29-drill out frac plug #23 Tagged frac plug #23 at 14,175' by tally on jt #458 with 13' stick up. Up weight 39, down wt 25, neutral 32. Free torque 1700, drill torque 2500. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.6 bbl out at 3100 psi on 21/64" choke. 23 minutes to drill plug. Pumped 55 bbls water with 3/4 gal Western Chemical's FR-7 per 1000 gal water and 2.5 gal POP. Pump 10 bbl gel sweep. 09:22-drill out frac plug #22 Tagged frac plug #22 at 14,426' by tally on jt #467 with 5' stick up. Up weight 39, down wt 23, neutral 32. Free torque 1800, drill torque 2400. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.7 bbl out at 3000 psi on 22/64" choke. 30 minutes to drill plug. Pumped 73 bbls water with 3/4 gal Western Chemical's FR-7 per 1000 gal water and 2.5 gal POP. Pump 10 bbl gel sweep.
Start Time	10:30	End Time	11:30	Comment Pump 20 bbl water and a second 10 bbl sweep. Circulate 290 bbl bottoms up at 3.5 bpm and 4500 psi. 3.5 bpm out at 3000 psi and 25/64" choke.
Start Time	11:30	End Time	12:15	Comment 11:32-drill out frac plug #21 Tagged frac plug #21 at 14,635' by tally on jt #473 with 18' stick up. Up weight 42, down wt 24, neutral 31. Free torque 1500, drill torque 2200. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.5 bbl out at 3200 psi on 28/64" choke. 21 minutes to drill plug. Pumped 52 bbls water with 3/4 gal Western Chemical's FR-7 and 2.5 gal POP per 1000 gal water. Pump 10 bbl gel sweep.



Summary Rig Activity

Start Time	End Time	Comment
12:15	13:00	<p>12:18-drill out frac plug #20 Tagged frac plug #20 at 14,887' by tally on jt #481 with 15' stick up. Up weight 43, down wt 25, neutral 32. Free torque 1800, drill torque 2400. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.5 bbl out at 3150 psi on 16/64" choke. 20 minutes to drill plug. Pumped 49 bbls water with 3/4 gal Western Chemical's FR-7 and 2.5 gal POP per 1000 gal water. Pump 10 bbl gel sweep.</p> <p>12:18-drill out frac plug #19 Tagged frac plug #19 at 15,142' by tally on jt #489 with 8' stick up. Up weight 40, down wt 24, neutral 32. Free torque 1700, drill torque 2400. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4050 psi, 2.6 bbl out at 3100 psi on 17/64" choke. 25 minutes to drill plug. Pumped 57 bbls water with 3/4 gal Western Chemical's FR-7 and 2.5 gal POP per 1000 gal water. Pump 10 bbl gel sweep.</p>
13:00	14:00	<p>13:00-drill out frac plug #19 Tagged frac plug #19 at 15,142' by tally on jt #489 with 8' stick up. Up weight 40, down wt 24, neutral 32. Free torque 1700, drill torque 2400. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4050 psi, 2.6 bbl out at 3100 psi on 17/64" choke. 25 minutes to drill plug. Pumped 57 bbls water with 3/4 gal Western Chemical's FR-7 and 2.5 gal POP per 1000 gal water. Pump 10 bbl gel sweep.</p>
14:00	15:30	<p>Comment Circulate bottoms up with 20 bbl water, 10 bbl sweep, and 309 bbl water at 3.5 bpm and 4800 psi.</p>
15:30	16:30	<p>Comment Tag frac plug #18 when throttle on power swivel quit working. Circulate 147 bbl while waiting on mechanic.</p>
16:30	17:30	<p>Comment 16:22-drill out frac plug #18 Tagged frac plug #18 at 15,350' by tally on jt #496 with 16' stick up. Up weight 40, down wt 24, neutral 31. Free torque 1700, drill torque 2400. WOB 6-8 pts, RPM 110. 2.5 bbl in at 4000 psi, 2.5 bbl out at 3100 psi on 22/64" choke. 27 minutes to drill plug. Pumped 70 bbls water with 3/4 gal Western Chemical's FR-7 and 2.5 gal POP per 1000 gal water. Pump 10 bbl gel sweep.</p>
17:30	19:30	<p>Comment 17:12-drill out frac plug #17 Tagged frac plug #17 at 15,561' by tally on jt #503 with 10'in. Up weight 42k, down weight 23k, neutral weight 33k. Free torque 1800, drill torque 2300. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4050psi, Return rate 2.5bbl out at 3200psi on 13/64" choke. 26 minutes to drill plug. Pumped 77bbls water with 1/4 gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.</p> <p>18:11-drill out frac plug #16 Tagged frac plug #16 at 15,810' by tally on jt #511 with 10'in. Up weight 40k, down weight 20k, neutral weight 32k. Free torque 1900, drill torque 2300. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4000psi, Return rate 2.4bbl out at 3150psi on 18/64" choke. 24 minutes to drill plug. Pumped 58bbls water with 1/4 gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.</p>
19:30	22:00	<p>Comment 20:00-drill out frac plug #15 Tagged frac plug #15 at 16,020' by tally on jt #518 with 5'in. Up weight 42k, down weight 22k, neutral weight 32k. Free torque 1800, drill torque 2200. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4000psi, Return rate 2.5bbl out at 3100psi on 18/64" choke. 34 minutes to drill plug. Pumped 87bbls water with 1/4 gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.</p> <p>21:30- We just got done pumping a bottoms up of 330bbls. We are PU pipe to go in and tag frac plug #14.</p>



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

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Start Time	22:00	End Time	00:00	<p>Comment 22:00-drill out frac plug #14 Tagged frac plug #14 at 16,272' by tally on jt #526 with 7'in. Up weight 33k, down weight 22k, neutral weight 29k. Free torque 1600, drill torque 2200. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4500psi, Return rate 2.5bbl out at 3100psi on 17/64" choke. 39 minutes to drill plug. Pumped 100bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.</p> <p>23:12-drill out frac plug #13 Tagged frac plug #13 at 16,485' by tally on jt #533 with 3'in. Up weight 32k, down weight 21k, neutral weight 29k. Free torque 1700, drill torque 2200. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4000psi, Return rate 2.5bbl out at 3100psi on 16/64" choke. 31 minutes to drill plug. Pumped 82bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.</p>
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Report Start Date	7/23/2014	Report End Date	7/24/2014	24hr Activity Summary Finished Drilling out frac plugs and getting to PBTD. Then pulled WS OOH to 330jts. @ 10,237' to pump a bottoms up before coming through the heel.
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Start Time	00:00	End Time	02:30	<p>Comment 00:12-drill out frac plug #12 Tagged frac plug #12 at 16,696' by tally on jt #539 with 2'out. Up weight 33k, down weight 21k, neutral weight 31k. Free torque 1900, drill torque 2400. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4600psi, Return rate 2.5bbl out at 3100psi on 21/64" choke. 30 minutes to drill plug. Pumped 88bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.</p> <p>01:50-drill out frac plug #11 Tagged frac plug #11 at 16,990' by tally on jt #549 with 19 out. Up weight 35k, down weight 23k, neutral weight 32k. Free torque 1900, drill torque 2300. WOB 6-8 pts, RPM 110. Pump rate 2.5bbl in at 4750psi, Return rate 2.4bbl out at 3100psi on 21/64" choke. 32 minutes to drill plug. Pumped 61bbls water with ¼ gal Western Chemical's FR-7 per 1000gal water. Pump 10bbl gel sweep.</p>
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Start Time	02:30	End Time	04:30	<p>Comment 02:22- Started a bottoms up sweep. Pump 340bbls</p>
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Start Time	04:30	End Time	08:15	<p>Comment PU 2-3/8" PH6 tbg and swivel in hole to 19,384' on jt #626.</p>
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Start Time	08:15	End Time	14:00	<p>Comment Circulate 900 bbl (2.5X bottoms up) at 3.7 bpm and 4800 psi. Returns 4.0 bpm on 22/64" choke at 3000 psi.</p>
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Start Time	14:00	End Time	22:30	<p>Comment LD 2-3/8" WS. SICP 3150 psi.</p>
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Start Time	22:30	End Time	23:30	<p>Comment LD 2-3/8" WS. 380 jts IH, EOT at 11,783'. SICP 3150 psi.</p>
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Start Time	23:30	End Time	00:00	<p>Comment We are pumping a bottoms up here @ 10,237' 330jts IN before pulling through the heel.</p>
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Report Start Date	7/24/2014	Report End Date	7/25/2014	24hr Activity Summary Finished LD 2 3/8" WS with Rogue snubbing unit.
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Start Time	00:00	End Time	01:30	<p>Comment Finish pumping bottoms up here @ 10,237' 330jts IN before pulling through the heel. Pumped 204bbls</p>
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Start Time	01:30	End Time	04:30	<p>Comment Continue to LD 2-3/8" WS. SICP 3150 psi. LD 2-3/8" WS. 221jts. IH, EOT at 6,864'. SICP 3150 psi. They are pulling about 40jts an hour so we are going to keep pulling pipe. It will be daylight before we start snubbing pipe.</p>
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Start Time	04:30	End Time	11:30	<p>Comment SICP 3150 psi. LD and snub 2-3/8" WS out of hole. LD BHA. Close HCR valve, close and lock blind/shear rams</p>
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Start Time	11:30	End Time	14:00	<p>Comment LD power swivel and change to double line fast.</p>
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Start Time	14:00	End Time	20:00	<p>Comment Change pipe rams from 2-3/8" to 2-7/8". B&C Quicktest tested all four 2 7/8" pipe rams and a shell test of the BOP and Snubbing stack to a low of 250psi for 5 min. and a high of 10,000psi for 10 min. Tests all passed.</p>
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Start Time	20:00	End Time	00:00	<p>Comment We are doing an oil transfer of the flowback tanks. The snubbing crew is washing the stack off. .</p>
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Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

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Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
7/25/2014	7/26/2014	Continue to prep to move off loc.
Start Time	End Time	Comment
00:00	01:00	We are doing an oil transfer of the flowback tanks. The snubbing crew is washing the stack off. .
01:00	03:00	We are working on the last load of oil in the flowback tanks. Both hot oilers are off location. The Bop and snubbing stack are clean. Blind rams are shut and locked. HCR valve is also shut
03:00	06:00	We have three more load of fluid to haul off out of the flowback tanks. Transfer 77bbls of oil. HCR valve is also shut.
06:00	15:30	PU 2-7/8" N-80 notched collar; 2-7/8" N-80 pup (2-7/8" OD x 2.44" ID x 2.10'L); 2-7/8" N-80 perfed sub(2-7/8" x 2.44" ID x 4.1' L); 2-7/8" 10K single ceramic burst disc(2-7/8" x 2.44" ID x .80'L); TUBEL Guage(3.60" OD x 1.6875" ID x 3.6'L); 2-7/8" x 2.313" x 1.2'L XN nipple, 1 jt 2-7/8", 6.5#, EUE 8rd, L-80 tbg 32.28'L; 2-7/8" x 2.313" x 1.15L X nipple; and 2-7/8, 6.5#, EUE 8rd, L-80 tbg. Equalize, open blind/shear rams and HCR valve. Snub in 180 jts tbg. PU total 278 jts 2-7/8", 6.5#, EUE 8rd, L-80 tbg, 277 jts above XN nipple at 8894'. EOT at 8926'.
15:30	16:30	Land tbg with TWCV in hanger. Close blind/shear rams. Test tbg 250 low/ 10K high per Newfield's guidelines.
16:30	20:30	ND snubbing unit and BOP stack
20:30	21:00	POP well at 20:45 PM, rupture disc at 3,800 Psi, pumped 100 bbls water down tubing, SITP 3,100 psi, turn well over to production,
21:00	00:00	RD all remaining equipment from drill out operations.
Report Start Date	Report End Date	24hr Activity Summary
7/26/2014	7/27/2014	Continue to prep to move off loc.
Start Time	End Time	Comment
00:00	08:00	Turn Well over to Production Continue to clean location and prep to move equipment to next location.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6269
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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.		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: Aubrey 1A-15-22-3-2WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013522700000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0250 FNL 0201 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/20/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Daily Drilling Reports"/>

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

As per our conversation with Dustin Doucet, attached find the Daily Drilling Reports for the above mentioned well.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 22, 2016**

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 1/21/2016	

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Job Category	Job Start Date	Job End Date

Daily Operations		
Report Start Date 1/11/2014	Report End Date 1/12/2014	24hr Activity Summary Set 80' of 20" conductor pipe.
Start Time 00:00	End Time 00:00	Comment Pete Martin Rig #16 spudded 26" hole on 01/11/2014 and drilled to 80' GL. Set 20", 52.78# (0.250" wall), SA53B conductor pipe at 80' GL and cemented to surface with Redi Mix. Kylan Cook notified UDOGM and BLM by e-mail @ 17:30 PM on 01/09/2014 to spud conductor hole on 01/11/2014.
Report Start Date 1/13/2014	Report End Date 1/14/2014	24hr Activity Summary MIRU Pro Petro Rig #10 from Perank 13-10-3-3-3WH.
Start Time 11:00	End Time 00:00	Comment MIRU Pro Petro Rig #10 from Perank 13-10-3-3-3WH.
Report Start Date 1/14/2014	Report End Date 1/15/2014	24hr Activity Summary Finish rigging up. Pick up directional BHA. Trip in hole to 80' GL. Spud 17 1/2" surface hole. Drill from 80' GL to 130' GL. Repair oil leak on mud pump. Drill from 130' GL to 190' GL. Replace hydraulic hose on rig. Drill from 130' GL to 190' GL. Surface hole survey depths are from ground level.
Start Time 00:00	End Time 13:30	Comment Finish rigging up.
Start Time 13:30	End Time 15:00	Comment Start picking up directional BHA. Trip in hole to 80' GL.
Start Time 15:00	End Time 17:00	Comment Spud 17 1/2" hole @ 15:00 PM on 01/14/2014. Drill from 80' GL to 130' GL while picking up directional tools.
Start Time 17:00	End Time 18:00	Comment Repair oil leak on mud pump.
Start Time 18:00	End Time 19:00	Comment Drill from 130' GL to 190' GL while picking up BHA.
Start Time 19:00	End Time 23:00	Comment Replace hydraulic hose on rig. Had to bring new hose from Vernal.
Start Time 23:00	End Time 00:00	Comment Drill from 190' GL to 250' GL while picking up BHA.
Report Start Date 1/15/2014	Report End Date 1/16/2014	24hr Activity Summary Drill from 190' GL to 530' GL. Change rubber size in rotating head. Drill from 530' GL to 680' GL. Wait for water. Drill from 680' GL to 830' GL. Trouble shoot turbo on mud pump. Drill from 830' GL to 1520' GL.
Start Time 00:00	End Time 04:30	Comment Drill from 250' GL to 530' GL while picking up BHA. Slide: 363' to 383' - TFO=0M Slide: 392' to 412' - TFO=0M Slide: 421' to 441' - TFO=0M Slide: 474' to 500' - TFO=0M
Start Time 04:30	End Time 05:00	Comment Change rubber size in rotating head.
Start Time 05:00	End Time 08:00	Comment Drill from 530' GL to 680' GL. Slide: 534' to 560' - TFO=340M Slide: 560' to 590' - TFO=330M

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	08:00	End Time	09:00	Comment	Wait for more water. First call to ITL for water was at 03:30 AM. Called again at 06:15 AM. Water truck on location with first load at 09:00 AM.
Start Time	09:00	End Time	10:30	Comment	Drill from 680' GL to 830' GL.
Start Time	10:30	End Time	11:30	Comment	Turbo on mud pump making a howling noise. Shut down. Check fluids in pump. Tighten oil lines going to turbo. Restart and everything sounds normal.
Start Time	11:30	End Time	00:00	Comment	Drill from 830' GL to 1520' GL. Slide: 1130' to 1220' - TFO=180
Report Start Date	1/16/2014	Report End Date	1/17/2014	24hr Activity Summary Drill from 1520' GL to 1580' GL. Repair mud pump. Drill from 1580' GL to TD @ 1630' GL. Circulate. Make wiper trip. Circulate. Trip out of hole. Start running surface casing.	
Start Time	00:00	End Time	01:30	Comment	Drill from 1520' GL to 1580' GL.
Start Time	01:30	End Time	07:30	Comment	Pipe threads in 90 going to pop off on mud pump started leaking. Replace with new 90.
Start Time	07:30	End Time	08:30	Comment	Drill from 1580' GL to TD @ 1630' GL. TD 17 1/2" hole @ 08:30 AM on 01/16/2014.
Start Time	08:30	End Time	10:00	Comment	Circulate for wiper trip.
Start Time	10:00	End Time	12:30	Comment	Trip out to drill collars. No tight hole while tripping out. Trip back to bottom. Had to wash last 120' back to bottom.
Start Time	12:30	End Time	13:30	Comment	Circulate to trip out of hole and run surface casing.
Start Time	13:30	End Time	21:00	Comment	Trip out of hole to run surface casing. Lay down directional BHA.
Start Time	21:00	End Time	22:00	Comment	Rig up to run surface casing. No water flow.
Start Time	22:00	End Time	00:00	Comment	Start running surface casing. Casing details will be on next report.
Report Start Date	1/17/2014	Report End Date	1/18/2014	24hr Activity Summary Finish running surface casing. Circulate with casing on bottom. Weld top cap. Cement surface casing. Wait on cement. Release rig @ 20:00 PM on 01/17/2014.	
Start Time	00:00	End Time	03:00	Comment	Run 38 joints (1610.60') of 13 3/8", 54.5#, J-55, BT&C casing with Top-Co guide shoe and float collar. 14 centralizers spaced 10' from the shoe, on top of joints #2 & #3 then every 3rd collar to surface. Landed @ 1610.60' GL, Float Collar @ 1564.34' GL. Had to wash last 2 joints of casing down.
Start Time	03:00	End Time	04:00	Comment	Circulate with casing on bottom.
Start Time	04:00	End Time	06:00	Comment	Weld top cap from casing to conductor pipe.
Start Time	06:00	End Time	09:00	Comment	Circulate casing with rig pump. Rig up Halliburton Cementers.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time			Comment		
09:00			11:30			<p>Cement Job: Pumped 10 bbls fresh water & 20 bbls gelled water flush ahead of cement.</p> <p>Lead: Mixed and pumped 490 sacks (207 bbls) of Varicem Cement with 0.125 #/sk Poly-E-Flake and 0.25 #/sk Kwik Seal. Mixed cement @ 12.0 ppg with yield of 2.37 cf/sk.</p> <p>Tail: Mixed and pumped 805 sacks (205 bbls) of Densecem Cement. Mixed cement @ 16.2 ppg with yield of 1.43 cf/sk.</p> <p>Displaced cement with 242 bbls fresh water. Bumped plug with 1100# @ 11:27 AM on 01/17/2014. Floats held. 90 bbls cement to surface. Shut in well after pumping stopped.</p> <p>Kylan Cook notified UDOGM and BLM of the surface casing & cement job via e-mail on 11/15/2014 @ 19:00 PM.</p>		
Start Time			End Time			Comment		
11:30			20:00			<p>Wait on cement. Prepare to move rig over (Pad Well) to Ranch 16-10-3-3-2WH.</p> <p>Release rig @ 20:00 PM on 01/17/2014.</p>		
Report Start Date	Report End Date	24hr Activity Summary						
2/10/2014	2/11/2014	Finish preparation of location for drilling rig.						
Start Time			End Time			Comment		
00:00			00:00			<p>01/24/2014 - Drill Mouse Hole.</p> <p>02/05/2014 - Final blade location.</p> <p>02/07/2014 - Weld on Wellhead.</p> <p>02/10/2014 - Cement cellar floor up to the top of base plate on wellhead.</p> <p>SURFACE HOLE DIRECTIONAL SURVEY DEPTHS ARE GROUND LEVEL.</p> <p>Location is ready for drilling rig.</p>		
Report Start Date	Report End Date	24hr Activity Summary						
2/21/2014	2/22/2014	Moved Camp in & Rigged up, For Rig Move - 8 haul trucks, 2 bed trucks, 1 crane 240 ton, 23 trucking employees and 2 pilots. 26 total loads. Crane shut down due to high winds at 14:30						
Start Time			End Time			Comment		
13:00			18:00			(Start) Rig Down... 8 haul trucks, 2 bed trucks, 1 crane, 1 240 ton, 23 trucking employees and 2 pilots. 26 total loads. Crane shut down due to high winds at 14:30 hrs		
Start Time			End Time			Comment		
18:00			00:00			Unbridled set Blocks in shipping position, unspool drawworks, power down rig floor, drillers cabin, main rig power and rig down electrical lines. Remove wind walls & Function MRC's, prep for AM rig movers.		
Report Start Date	Report End Date	24hr Activity Summary						
2/22/2014	2/23/2014	Moving Rig Componets & Setting in place For Rig Move - 10 haul trucks, 2 bed trucks, 1 crane 240 ton, 23 trucking employees and 2 pilots. 12 total loads.						
Start Time			End Time			Comment		
00:00			06:00			Remove Sub Windwalls & Fumnction MRC's prep rig for rig movers.		
Start Time			End Time			Comment		
06:00			06:30			Held safety Mtg. W/ Pioneer, 2-Nfx Forman, Peak, Jd Trucking, Egaged Mtg. Overview Safety/Rig Move Stop work working @ height.		

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time			Comment		
06:30			18:30			(Start) MOB (Trucks)... Lowered subs and derrick. Move mud tanks and shaker skid onto new location set and level tanks and shaker skid. Set mats and begin Gen-Pac. 80% rigged down on old location. 45% moved in. Set mud tanks and shaker tanks. Set mud pumps and begin setting generator package. 20% Rigged up. Cease Crane operations @ 14:00 due to high winds (Inspecting DP and HWDP offsite w/B&K. DS1 Cat 4 50% complete. 26 - loads hauled, 8 - haul trucks, 2 - pole Trucks, 2 - forklifts, 2 - bed trucks 6 pilot cars 24 rig movers.		
Start Time			End Time			Comment		
18:30			00:00			JSA, Put up hand rails on mud tanks, hopper house, Hookup power lines, To Shakers, water house, rebuilt manifold on air line & water line, RU by hands.		
Report Start Date	Report End Date	24hr Activity Summary						
2/23/2014	2/24/2014	Finished moving all rig Componets off old Location @ 13:00 Hrs Moved in Equipment to New location set in place 100% Moved in 60% Rigged up						
Start Time			End Time			Comment		
00:00			06:00			JSA, Put up hand rails on mud tanks, hopper house, Run & Hookup power lines, RU Super Vac lines, hook up power Chokehouse, Steam lines to pump house, install ground rods on buildings & install drain plugs in mud lines, pumps in hopper, water house, & pumps. 100% rigged down on old location.		
Start Time			End Time			Comment		
06:00			18:00			Held prejob safety meeting with Poineer, JD Field Services, Crane, NFX. Peak, Finish RD Derrick, Ceenter Steal, Drawworks split Subs, haul off loaction, set in place Subs, Center steal, Drawworks. Peak Equipment 80% RU 100% rigged down on old location. 100% moved in. 60% Rigged up. 14 - loads hauled, 6 - haul trucks, 2 - pole Trucks, 2 - forklifts, 2 - bed trucks 6 pilot cars 24 rig mover (Rig Off Old Location @ 14:00 Hrs) Inspecting DP and HWDP offsite w/B&K. DS1 Cat 4 75% complete.		
Start Time			End Time			Comment		
18:00			00:00			Rigging up by hand, Change out Bridal lines in Derrick, rig up rig power, Install ground rods, hookup water lines, set tools on floor.		
Report Start Date	Report End Date	24hr Activity Summary						
2/24/2014	2/25/2014	Rig Up, Pin Derrick, set on floor, raised derrick & Sub, 75% Rigged up						
Start Time			End Time			Comment		
00:00			06:30			(Start) MOB (Trucks)... HPJSM Rigging up Back yard, power up houses, Run Elec. Lines.		
Start Time			End Time			Comment		
06:30			18:30			HPJSM with JD Trucking, Peak, Poineer & NFX, Set drawworks center steel, Pin derrick set on rig floor dress same. Raise derrick and floor. Prep to scope derrick up in AM. Continue RU floor and back yard. Released all JD 13:00 Hrs haul trucks, i - Crane 1 - pole, Pilots.		
Start Time			End Time			Comment		
18:30			00:00			HPJSM Haul in WBM Fill Active tanks, Haul in OBM to Frac tanks, RU hand Rails, & Lights, RU Top Drive for DErrick Scopping.		
Report Start Date	Report End Date	24hr Activity Summary						
2/25/2014	2/26/2014	Finish RU @ 18:00 Hrs, NU BOP & Test						
Start Time			End Time			Comment		
00:00			06:00			Rig up steam heaters and steam hoses on the rig floor and sub. Get pits circulating, rig up electrical hydraulic power unit. Run line backers from HPU to VFD house. Raise lights on HPU. Install mud line from the fire house to teh sub. Install caps on all ground rods. Rig up vacume blow down lines. Plug in top drive electrical lines. Boiler ran - yes.		
Start Time			End Time			Comment		
06:00			15:00			JSA - Inspect derrick to scope, set windwalls on rig floor, set koomey house, set 3 matboards, catwalk, BOP wrangler, unload pipe f/pipe tubs into helicopter racks, JD field services arrived @0630 w/ 1 bed truck, 1 haul truck, 1 forklift, 1 truck pusher, 1 safety hand, 1 swamper and were released @0830. Rig up Koomey power and lighting, rig up catwalk power, scoped derrick up @1000. Bridle down topdrive, rig up crown electrical, rig up derrick climbers, set ODS windwalls, set stompers, flowline and standpipe.		

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Report Start Date 2/26/2014			Report End Date 2/27/2014			24hr Activity Summary Finish Testing BOP's, PU Dir Tools, TIH, Drill Cmt FC/FS & 13' New Hole, Ran FIT Test, Drill from 1650' to 1667' (17') 8 fph. Pump Repair/Rig Service		
Start Time	15:00	End Time	17:30	Comment	(Start) Rig Up... JSA Set Walking System & Beams, Rig Up Floor Equipment/Handling Tools.			
Start Time	17:30	End Time	18:00	Comment	Perform Pre-Spud Inspection/ NFX JoeJohnson Accepted Rig @ 18:00 Hrs			
Start Time	18:00	End Time	20:00	Comment	(Start) NU BOPE... JSA Rig up Choike hose to strack & Choke House, Rig up Bells & Elevators, instasll Mousehole Sock, Rig Up Flow line to stack, Hook up Kooomey lines and Function test Rams.			
Start Time	20:00	End Time	21:30	Comment	Hold JSA Safety Meeting W/ Eager Beaver & Crew NU BOP			
Start Time	21:30	End Time	22:30	Comment	BOP Tester - Rig Up Pick up Joint DP install TIW, Pump in Sub, Make up Test Plug, Run in Stack Fill BOP w/ Water			
Start Time	22:30	End Time	00:00	Comment	(Start) Test BOPE/Csg... Test BOP: Test: # 1 Annular to 250 psi - Low 5 min - 3500 psi High 10 min Test: # 2 Mud line valves/ Lower Pipe Rams / Dart Valve - 250 Low 5 Min 5000 psi high 10 Min Test: # 3 Hydraulic lbop/Upper Pipe Rams/Inside Kill valve/Inside Choke line valve - 250 Low 5 Min 5000 psi high 10 Min			
Start Time	00:00	End Time	04:30	Comment	Test BOP: Test: # 4 Manual lbop/outside kill/HCR inside Choke to 250 psi - Low 5 min - 5000 psi High 10 min Test: # 5 check valve/TIW - 250 Low 5 Min 5000 psi high 10 Min Accumulator Function Test Test: # 6 Blind Rams/Choke Manual Valves - 250 Low 5 Min 5000 psi high 10 Min Test: # 7 Super Choke Bump Test @ 5000 psi Test: # 8 Choke Manifold 250 Low 5 Min 5000 psi high 10 Min Test: # 9 Casing 1500 psi f/ 30 min (Both Cameron Wellhead valves leaked @ start of test worked valves held ok)			
Start Time	04:30	End Time	05:00	Comment	RD BOP Tester, Driller Assisted Rig Manager on proper line up on hard shut in) (Blow down Choke & pickle w/ Methonal)			
Start Time	05:00	End Time	05:30	Comment	Rig Service			
Start Time	05:30	End Time	07:00	Comment	(Start) Handle BHA/PU Drill Pipe... Install Wear Bushing			
Start Time	07:00	End Time	13:30	Comment	PJSM W/Pioneer, Weatherford, PU 12 1/4" Smith MSi616, Weatherford MM 5/6 Lobe 6.0 Stage 0.15 rpg/gal 1.83 Bend Weatherford EM Tool WGamma 8" NMDC spiral. X-O, 24 jts 5" HWDP, 6 1/2" Hunting jars, 6 jts 5" HWDP 1 jt DP.			
Start Time	13:30	End Time	14:30	Comment	Continue picking up drill pipe of rack F/ 1089' to 1539'. (Tag Cement @ 1539')			
Start Time	14:30	End Time	15:00	Comment	(Start) Drill Shoe Track/FIT... Install rotating head rubber.			
Start Time	15:00	End Time	16:30	Comment	Drilling cement F/ 1536' to 1637' float collar, shoe track, float shoe & 10' new formation. Float collar @ 1590', Float Shoe @ 1636' Drill F/ 1637' To 1650', 13' new formation. (Spud well @ 17:00 Hrs 2-26-14).			
Start Time	16:30	End Time	17:30	Comment	Circulate bottoms up @ 1647' prepare for FIT, Spot 60 bbls 90 vis mud in open hole.			
Start Time	17:30	End Time	18:30	Comment	PJSM W/ Pioneer, Eager Beaver testers, NFX Rep, Perform FIT close pipe rams pressure up to 275 psi held for 30 mins @ 275 psi EMW 12.0 ppg, EMW desired 12.0 ppg. RD Eager Beaver			

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	18:30	End Time	19:00	Comment
				(Start) Drilling... Drill 12.25 vertical section F/ 1650' to 1658'
Start Time	19:00	End Time	20:00	Comment
				(Stop) Unplanned - Rig Repair... Change out Savor Sub
Start Time	20:00	End Time	20:30	Comment
				Rig Service
Start Time	20:30	End Time	21:00	Comment
				Change out shaker screens to accomidate higher flow rate.
Start Time	21:00	End Time	21:30	Comment
				(Start) Drilling... Drill 12.25 vertical section F/ 1658' to 1667'
Start Time	21:30	End Time	00:00	Comment
				(Stop) Unplanned - Rig Repair... Both pumps down due to overtemp code (wire from heat sensor came off of blower box throughing fault code)
Report Start Date	Report End Date	24hr Activity Summary		
2/27/2014	2/28/2014	Drill 12.25 vertical section F/ 1667' to 1864', Change out discharge valve in # 2 mud pump, Drill 12.25 vertical section F/ 1864' to 2045', Noticed decrease in pump pressure, trouble shoot pumps, located pressure loss, 2" bleed off valve on #1 mud pump replace it. Drill 12.25 vertical section F/ 2045' to 2444' (399'), Rig Service, Drill 12.25 vertical section F/ 2444' to 4338' (1894')		
Start Time	00:00	End Time	01:30	Comment
				(Start) Drilling... Drill 12.25 vertical section F/ 1667' to 1864' 197' 313.3 fph.
Start Time	01:30	End Time	02:00	Comment
				(Stop) Unplanned - Rig Repair... Change out discharge valve in # 2 mud pump.
Start Time	02:00	End Time	03:30	Comment
				(Start) Drilling... Drill 12.25 vertical section F/ 1864' to 2045' 181' 120.6 fph.
Start Time	03:30	End Time	04:00	Comment
				(Stop) Unplanned - Rig Repair... Noticed decrease in pump pressure, trouble shoot pumps, located pressure loss, 2" bleed off valve on #1 mud pump replace it.
Start Time	04:00	End Time	07:00	Comment
				(Start) Drilling... Drill 12.25 vertical section F/ 2045' to 2444' (399') 133.0 fph. 50 rpm, 863 gpm, 350-550 diff.
Start Time	07:00	End Time	07:30	Comment
				Rig Service.
Start Time	07:30	End Time	00:00	Comment
				Drill 12.25 vertical section F/ 2444' to 4338' (1894') 130 fph. 50 rpm, 990 gpm, 350-550 diff. Slide: 3643' to 3657' @ 50 R GTF 14' 25 Min. Slide: 3738' to 3757' @ 60 R GTF 19' 30 Min. Slide: 3927' to 3947' @ 90 R GTF 20' 30 Min. Slide: 4210' to 4235' @ 90 R GTF 25' 30 Min.
Report Start Date	Report End Date	24hr Activity Summary		
2/28/2014	3/1/2014	Drill 12.25 vertical section F/4338' to 5288" (950') Trouble Shoot MWD, Rig Service, Motor Failure pressured up, TOOH for Motor.		
Start Time	00:00	End Time	05:30	Comment
				Drill 12.25 vertical section F/ 4338' to 4780' (442') 80 fph. 50 rpm, 990 gpm, 350-550 diff.
Start Time	05:30	End Time	06:00	Comment
				Rig Service.
Start Time	06:00	End Time	11:30	Comment
				Drill 12.25 vertical section F/ 4780' to 5157' (377') 68.5 fph. 50 rpm, 900 gpm, 350-550 diff.
Start Time	11:30	End Time	13:00	Comment
				(Stop) Unplanned - MWD... Circulate & reciprocate while troubleshooting mwd surface equipment, weatherford mwd change out 2 trancievers on surface equipment.
Start Time	13:00	End Time	17:30	Comment
				(Start) Drilling... Drill 12.25 vertical section F/ 5157' to 5288' (131') 29.2 fph. 50 rpm, 800 gpm, 350-550 diff. PP Increased 1000 psi after stalling out, prep for trip for motor

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time		Comment
17:30			19:00		(Stop) Unplanned - Motor Failure... Circulate & condition hole for Trip, Check Flow, Pump Slug.
Start Time			End Time		Comment
19:00			20:30		(Start) Trip... Trip out of hole from 5288' to 2822' (Tight hole @ 1822')
Start Time			End Time		Comment
20:30			21:00		Back Ream from 2822' to 2475' @ 50 RPM 500 gpm
Start Time			End Time		Comment
21:00			23:30		Trip out of hole from 2475' to BHA (Pulling Wet)
Start Time			End Time		Comment
23:30			00:00		Pull MWD tools LD, Drain Motor, Break off bit & LD, LD Tool carrier. (Bit had 3 plugged jets w/ rubber)
Report Start Date	Report End Date	24hr Activity Summary			
3/1/2014	3/2/2014	TOOH LD MWD Tool & Carrier, LD Monel & double pin Id Bit & Motor, PU New Bit & Motor Monel & MWD, TIH to 2047' W&R to 2142', TIH to 5255' Wash 33' to 5288' Drill 12.25 vertical section F/5288' to 6130' (842')			
Start Time			End Time		Comment
00:00			01:30		Rack back NMDC on BTM of HWDP stand, mousehole 2nd NMDC, Pull MWD tools, Pull up to bit and drain motor. Break off bit, Lay down tool carrier, mud motor and bit sub
Start Time			End Time		Comment
01:30			03:30		P/U - M/U new bit and motor. Scribe Motor. Make up new tool carrier, make up NMDC. Latch stand with NMDC. Test communication on MWD tools.
Start Time			End Time		Comment
03:30			04:00		Rig Service
Start Time			End Time		Comment
04:00			08:00		T.I.H to 1200', Install ROT rubber, Cont TIH from 1200' to 2047', Reaming from 2,047' to 2142' Cont T.I.H to 5235' Ream 33' to BTM
Start Time			End Time		Comment
08:00			13:30		(Start) Drilling... Drill 12.25 vertical section F/ 5288' to 5627' (339') 61.7 fph. 45 rpm, 853 gpm, 350-550 diff.
Start Time			End Time		Comment
13:30			14:00		Rig Service
Start Time			End Time		Comment
14:00			00:00		Drill 12.25 vertical section F/ 5627' to 6130' (503) 50 fph. 45 rpm, 853 gpm, 350-550 diff. Top trona @ 5817' MD Mahogany Bench @ 5860' MD
Report Start Date	Report End Date	24hr Activity Summary			
3/2/2014	3/3/2014	Drill 12.25 vertical section F/ 6130' to 6384', Rig Service, Drill 12.25 vertical section F/ 6384' to 6667', Rig Service, Drill 12.25 vertical section F/ 6667' to 7130'. (1000') 43.5 fph			
Start Time			End Time		Comment
00:00			05:30		Drill 12.25 vertical section F/ 6130' to 6384' (259') 67.1 fph. 45 rpm, 853 gpm, 350-550 diff.
Start Time			End Time		Comment
05:30			06:00		Rig Service.
Start Time			End Time		Comment
06:00			12:30		Drill 12.25 vertical section F/ 6384' to 6667' (283') 43.5 fph. 45 rpm, 828 gpm, 350-550 diff.
Start Time			End Time		Comment
12:30			13:00		Rig Service.
Start Time			End Time		Comment
13:00			00:00		Drill 12.25 vertical section F/ 6667' to 7130' (463') 24.3 fph. 45 rpm, 830 gpm, 350-550 diff.
Report Start Date	Report End Date	24hr Activity Summary			
3/3/2014	3/4/2014	Drill from 7,130' to 7,998' (868') 40.6 fph. Rig Service			
Start Time			End Time		Comment
00:00			03:30		Drill 12 1/4" intermediate section from 7,130' to 7,333' (203') 58fph.
Start Time			End Time		Comment
03:30			04:00		Rig service.

NEWFIELD



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	04:00	End Time	16:30	Comment
				Drill 12 1/4" intermediate section from 7,333' to 7,807' (474') 37fph. Slides: 7,618' - 7,653' (35') @ 30 MTF 7,712' - 7,739' (27') @ 35 MTF
Start Time	16:30	End Time	17:00	Comment
				Rig Service
Start Time	17:00	End Time	00:00	Comment
				Drill 12 1/4" intermediate section from 7,807' to 7,998' (191') 27 fph. Slides: 7,807' - 7,825' (18') @ 60 MTF 7,825' - 7,841' (16') @ 60 MTF 7,904 - 7,935' (31') @ 100 MTF
Report Start Date	Report End Date	24hr Activity Summary		
3/4/2014	3/5/2014	Drill from 7,998' to 8,673' (675') 35.5 fph.		
Start Time	00:00	End Time	04:30	Comment
				Drill 12 1/4" intermediate section from 7,998' to 8,188' (190') 42.2fph.
Start Time	04:30	End Time	05:00	Comment
				Rig Service
Start Time	05:00	End Time	16:00	Comment
				Drill 12 1/4" intermediate section from 8,188' to 8,535' (347') 31.5 fph. Slides: 8,475' - 8,535' (58') MTF @ 180
Start Time	16:00	End Time	16:30	Comment
				Rig service.
Start Time	16:30	End Time	20:30	Comment
				Drill 12 1/4" intermediate section from 8,535' to 8,673' (138') 46 fph. TD (Black Shale @ 8634')
Start Time	20:30	End Time	00:00	Comment
				(Start) Circulate... Circulate 2 Btms up, Increase MW to 10.6 ppg Pump 20/30/40 bbl High vis sweeps to clean hole, Work Std. up/Down 96' from 8671' to 8595' Rot. 45 RPM @ 751 gpm
Report Start Date	Report End Date	24hr Activity Summary		
3/5/2014	3/6/2014	TOOH from 8,575' to BHA. LD BHA. Rig up loggers. Run logs to TD. Log 12 1/4" intermediate. Rig up and run casing to 480'		
Start Time	00:00	End Time	05:30	Comment
				(Start) Trip... TOOH from 8,595' to 2,800'. SLM out of hole. Hole pulled tight at 5,840'. Could not work through. Back ream to 5,800'.
Start Time	05:30	End Time	06:00	Comment
				Rig Service.
Start Time	06:00	End Time	07:00	Comment
				TOOH from 2,800' to 1,167'. Lay down Jars and a single.
Start Time	07:00	End Time	07:30	Comment
				Pull Rotating head
Start Time	07:30	End Time	09:00	Comment
				TOOH from 1,167' to BHA. Flow check. Well static. SLM showed no adjustments needed.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	09:00	End Time	10:30	Comment
				Break first NMDC. Pull MWD tools. Laydown same. Make NMDC back up. Rack back NMDC and tool carriers. Drain motor. Break bit and motor. Lay down bit and motor. Bit had several chipped cutters on nose and shoulder. One cutter missing on the shoulder.
Start Time	10:30	End Time	11:00	Comment
				Pull Wear bushing
Start Time	11:00	End Time	13:00	Comment
				(Start) Logging... HPJSM and rig up HES wireline to run quadcombo logs.
Start Time	13:00	End Time	18:00	Comment
				RIH to loggers depth of 8,672'. Log 12 1/4" intermediate section with Neutron density, Gamma, Sonic, resistivity, and Calipers. Hit tightspots with tools at: 8,125' 7,925' 7,780' 7,595' 7,437' Closed callipers and were able to pull through all 5 spots.
Start Time	18:00	End Time	19:30	Comment
				(JSA and Pre Job Safety Meeting) Rig down Loggers
Start Time	19:30	End Time	22:00	Comment
				(Start) Casing Operations... Hold prejob safety meeting with Kimzey casing crew and rig up casing tools, Clear and prepare catwalk and pipe rack area, count and number casing joints and verify tally with casing supervisor. Once rig up was complete held Prejob meeting for casing run and reinforced SWA policy.
Start Time	22:00	End Time	22:30	Comment
				Pick up and run float equipment with single joint shoe track, Thread lock connections and centralize first 3 joints.
Start Time	22:30	End Time	23:30	Comment
				Rig up TOG Tool and fill first 3 Joints then circulate through float equipment with 3.5 BPM
Start Time	23:30	End Time	00:00	Comment
				Run 9 5/8" N-80 casing from 132' to 480'
Report Start Date	Report End Date	24hr Activity Summary		
3/6/2014	3/7/2014	Run casing to TD. Tag bottom. Lay down Tag joints. Pick up pup joints. Install landing assembly. Adjust rotating head. Land casing. Rig up HES cementers.		
Start Time	00:00	End Time	05:30	Comment
				(JSA) Run 9 5/8" N-80 Casing with Kimzey casing from 480 to 3940. Displacement began to taper off to nothing at 3,728'. Fill pipe and break circulation at 3,940'.
Start Time	05:30	End Time	07:00	Comment
				(Stop) Unplanned... While breaking circulation observed no returns. Circulate and try to regain returns. Started with 30spm and decreased to 15spm while working pipe. No success on regaining returns. Decide on finish running casing.
Start Time	07:00	End Time	15:00	Comment
				(Start) Casing Operations... Run 9 5/8" N-80 Casing with Kimzey casing from 3,940' to 8,673'. Hole began displacing again at 4,959'. Filling every 2,000 feet.
Start Time	15:00	End Time	17:30	Comment
				Wash last stand and two tag joints down. Tagged bottom 19.7 feet in on second tag joint. 16' deeper than TD (8,689'). Original TD was at 8673' Pulled off bottom with 420klbs(40klbs OSW). Lay down tag joints and pick up two pup joints to make up depth difference. (Pre-rig up halliburton iron and hoses)
Start Time	17:30	End Time	20:30	Comment
				Pick up Landing joint. Adjust and install 9 5/8" casing rotating rubber. Land mandrel. Rig Down casing equipment
Start Time	20:30	End Time	23:30	Comment
				(Start) Cementing Operations... (JSA) Circulate at 7 bpm with 400 psi and spot in then rig up Halliburton cement crew. Hold Safety Meeting with Halliburton and rig crew then rig up stand pipe and Prime up cement pumps

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time		End Time		Comment
23:30		00:00		Cementing, Fill lines and pressure test to 5400 psi holding. bleed pressure off and open up down hole. 23:55 Begin pumping tuned spacer at 12 ppg at 4 bpm with 2 bpm and 40 psi staging up to 4 bpm with
Report Start Date	Report End Date	24hr Activity Summary		
3/7/2014	3/8/2014	Cement 9 5/8" casing. Rig down HES cementers. Laydown landing joint. Install packoff. Test Packoff. ND BOPE. Suspend Aubrey.		
Start Time		End Time		Comment
00:00		05:00		<p>Pump Cement job as follows:</p> <ol style="list-style-type: none"> 1.) Pressure test cement lines to 5,000 psi 2.) Pump 40 bbls of tuned spacer at 12 ppg 5bpm 3.) Pump 105 bbls (303 sks) of 1st lead cement at 5bpm <ol style="list-style-type: none"> 1.) Mixed at 12.5lb/gal, 1.95 ft3/sk, 10.56gal/sk 4.) Pump 365 bbls (1045 sacks) of 2nd lead at 5 bpm <ol style="list-style-type: none"> 1.) Mixed at 12.5 lb/gal, 1.96 Ft3t/sk, 10.56 gal/sk 5.) Pump 121 bbls (528 sks) of Tail -5bpm <ol style="list-style-type: none"> 1.) Mixed at 14 ppg, 1.29 Ft3/sk, 5.71 gal/sk 6.) Shutdown, wash up pumps 7.) Drop plug 8.) Displace with 654 bbls of OBM at 5-7 bpm <ol style="list-style-type: none"> 1.) Blew hose at 40bbls away 2.) Blew another hose 290bbls away. Slow feed rate and pump rate to 4bpm 3.)Had partial returns at 490bbls to 590bbls into displacement. At 605 bbls into displacement lost full returns. Slowed rate at 620 bbls to try and regain returns. Never regained returns 4.)Bumped plug 655bbls into displacement. FCP-657psi. Bumped to 1100psi 5.)No cement or spacer returned to surface. 9.) Bled pressure off and bled back 3.5bbls. Still had a steady stream after pressure bled down. Bump pressure up to 1100psi again. Bled off and still had stream. Shut in HES trucks to monitor pressure. No pressure gain observed for 10 mins. Open up trucks bleed back an additional barrel. Stream quit after 5minutes. Floats held.
Start Time		End Time		Comment
05:00		06:30		Rig down HES cementers. Wash stack up.
Start Time		End Time		Comment
06:30		08:00		(Start) NU Well Head/Clean Pits... Lay down landing joint. Install Packoff. Rig down choke line, flow line, steam lines, and lay matting boards. Clean settling tanks. Test Packoff to 3200psi for 15mins.
Start Time		End Time		Comment
08:00		10:00		ND BOPE. Continue spot clean settling tanks. Begin Skid. Cut WBM weight back from a 10.7ppg to 9ppg. SUSPEND AUBREY 1A-15-22-3-2WH AND BEGIN RANCH 16-10-3-3-2WH.
Report Start Date	Report End Date	24hr Activity Summary		
4/10/2014	4/11/2014	Walk rig to the Aubrey 1A-15-22-3-2WH from the Ranch 16-10-3-3-2WH. Set and NU BOPE, mud lines, choke line, and flow line. Rig up testers. Function test accumulator. Attempt to test annular. Bled hydraulic lines for air-lock. Continue testing. Tried to test upper pipe rams. Bled hydraulic lines for air-lock. Continue testing.		
Start Time		End Time		Comment
11:00		11:30		(Start) Skid. Hold Pre-Job Safety meeting with Pioneer and NFX on skidding operations.
Start Time		End Time		Comment
11:30		13:00		Walk rig from the Ranch 16-10-3-3-2WH to the Aubrey 1A-15-22-3-2WH. Install night cap on the Ranch while centering rig.
Start Time		End Time		Comment
13:00		16:00		(Start) NU BOPE. Set and Nipple up BOPE, choke line, mud lines, and flow line. Walk cat walk to rig. Raise beaver slide and pin. Install mouse hole. Install test plug. Rig up eager beaver testers.
Start Time		End Time		Comment
16:00		16:30		(Start) Pre-Job Safety Mtg. W/ Eager Beaver Testers, Rig Crew & Newfield Rep. (Testing BOP's)
Start Time		End Time		Comment
16:30		17:00		Function test accumulator.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time			Comment		
17:00			20:00			(Stop) Unplanned. Attempted to test Annular, unable to close annular element completely, Trouble shoot annular Hydraulics, Bleed lines and Element & Kummy for air lock, Re-pressure back up and function Annular Element, Reclose Annular start testing.		
Start Time			End Time			Comment		
20:00			21:30			(Start) Test BOPE/Csg. Test 1: Annular Preventer to 250 Psi Low and 3500 PSI High. Test 2: Test Mud lines back to pumps 5000#		
Start Time			End Time			Comment		
21:30			23:30			(Stop) Unplanned. Attempted to test Pipe Rams, unable to Close Rams, Bleed all lines and Kummy for air lock, Re-pressure back up and function Rams, Restart testing.		
Start Time			End Time			Comment		
23:30			00:00			(Start) Test BOPE/Csg. Test 3: Test Blind Rams, Inside Kill, Inside Manifold Valves to 250 psi low and 5000 psi High		
Report Start Date	Report End Date	24hr Activity Summary						
4/11/2014	4/12/2014	Finish testing BOPE. Test casing for 30 min. Install wear bushing. Handle Curve assembly. TIH to 2000'. Install rotating rubber. Test directional tools. TIH to 8594' tag Cmt, Drill FC/FS 10' New Hole						
Start Time			End Time			Comment		
00:00			02:30			Test#4: Test outside kill valve, Inside manifold valves to 250 psi low and 5000 psi High Test #5: Super choke, Manual choke to 250 psi low and 5000 psi High		
Start Time			End Time			Comment		
02:30			04:00			(Stop) Unplanned Change out upper rams....Attempt to test upper pipe rams. Upper rams would not close. Bleed off accumulator. break lines from stack. Bleed air out of lines. Close pipe rams. Test on upper pipe rams failed.		
Start Time			End Time			Comment		
04:00			06:00			Change out upper pipe rams. Swap VBRs (4-1/2" to 7") for back up VBRs (4-1/2" to 7").		
Start Time			End Time			Comment		
06:00			10:00			(Start) Test BOPE/Csg...Test #6: Upper Pipe Rams, Manual IBOP, Check valve, riser, downstream manifold valves to 250 psi low and 5000 psi High Test #7 Inside choke valve and TIW to 250 psi low and 5000 psi High Test #8 HCR, Hydraulic IBOP to 250 psi low and 5000 psi High. Test #9 Test casing to 1900 psi for 30 mins. Blow down choke and rig down testers.		
Start Time			End Time			Comment		
10:00			11:00			(Start) Handle Curve Assembly. Install Wearbushing.		
Start Time			End Time			Comment		
11:00			12:00			Pick up and make up Curve Assembly: 2.5 degree fixed motor Mule shoe NMDC tool carrier Survey tool, Gamma, & Inc Sonde (scribe motor) 8-3/4 SDI611 6x13 jets. Flex NMDC		
Start Time			End Time			Comment		
12:00			14:00			(Start) Trip....Install Trip nipple. TIH from BHA to 2000'		
Start Time			End Time			Comment		
14:00			14:30			Pull bell nipple. Install rotating head		
Start Time			End Time			Comment		
14:30			15:00			Test directional tools with 80spm. Test successful.		

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Report Start Date 4/12/2014			Report End Date 4/13/2014			24hr Activity Summary Circ. Btms up, Try to pump pill. Began having trouble pumping mud. Fit Test to 15.86 EMW. Trouble shoot pumps. Drill from 8687' to 8729'. Circulate surface volume through kill line over shakers to clean up pits. Drill from 8729' to 8885', Circ. TOH from 8885' to BHA		
Start Time	15:00	End Time	16:00	Comment Continue Tripping in Hole From 2000' to 3000' (Strapping in Hole)				
Start Time	16:00	End Time	16:30	Comment Rig Service (Repaired ST-80)				
Start Time	16:30	End Time	21:00	Comment Continue Tripping in Hole From 3000' to 8598' (Strapping in Hole) Tagged Cement @ 8598'				
Start Time	21:00	End Time	00:00	Comment (Start) Drill Shoe Track (Drill Cement f/ 8598' to 8667') Drill New Hole from 8677' to 8687' MM Hyperline 6 3/4" 2.5 Degree Fixed, 7/8 Lobe, 5 Stage, Rev/Gal .28 WOB 10-25, Flow Rate 300-600 gpm Tagged Cmt @ 8598' Float Collar @ 8623' Float Shoe @ 8667' New Hole @ 8677' (Displace hole w/ 14.7 ppg mud transfered 12 ppg mud into storage tanks)				
Start Time	00:00	End Time	01:00	Comment Circulate to get consistant mud weight around. 14.2ppg mud all the way around.				
Start Time	01:00	End Time	03:30	Comment (Stop) Unplanned. Pumped viscous sweep. Once pumped mud pumps began to loose pressure. Trouble shoot pumps. Go through mud pumps.				
Start Time	03:30	End Time	04:00	Comment (Start) Drill shoe Track/FIT. Perform FIT test with rig. Shut annular and open pumps up to kill line. Pressure up to 700psi and hold. FIT test good to 15.86ppg EMW.				
Start Time	04:00	End Time	04:30	Comment Rig Service				
Start Time	04:30	End Time	05:00	Comment (Stop) Unplanned. Pumps began loosing pressure. Go through fluid ends on mud pumps. Circulate and condition mud to lower vis. Broke and cleaned out suction lines. Found solids and paraffin/thick mud in suction lines.				
Start Time	05:00	End Time	06:00	Comment (Start) Drill 8 3/4" Curve from 8,687'- 8,698' (12')				
Start Time	06:00	End Time	06:30	Comment (Stop) Unplanned Rig Repair.... Picked up and shut pumps down. Had a leak on mud line. Changed out gasket on line.				
Start Time	06:30	End Time	08:30	Comment (Start) Drill 8 3/4" Curve from 8,698'- 8,729' (31'). 100% Slide from KOP at 8,700'.				
Start Time	08:30	End Time	12:00	Comment (Stop) Unplanned Solids Control.... When making connection noticed drill pipe screen was completely packed off with cuttings, cement, rubber, and metal shavings. Try to drill and pump started loosing pressure. Circulate surface mud system with #1 pump through kill lines. Go through # 2 mud pump. Circulated 10,500 strokes which is about 1 complete circulation through surface volume. Begining of circulation had rubber, metal shavings, and solids come across shakers. At the end of 10,500 strokes shakers cleaned up considerably. Stop pumping and switch to # 2 pump. Circulate 8000 stokes at 120spm while going through #1 pump. Found solids, rubber, and metal shavings in pump. During end of circulation pump pressure stabalized and shakers had little to no solids coming over.				
Start Time	12:00	End Time	17:30	Comment (Start) Drill 8 3/4" Curve from 8,729'- 8,870' (141') 25.6 fph 100% Slide from 8,729' to 8,870' HS.				

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

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Start Time	17:30	End Time	18:00	Comment	Rig Service
Start Time	18:00	End Time	18:30	Comment	Drill 8 3/4" Curve from 8,870'- 8,885' (15') 25 fph 100% Slide from 8,770' to 8,885' HS.
Start Time	18:30	End Time	20:00	Comment	(Stop) unplanned trip for curve assemble due to build rates Circulate... & Condition Hole for Motor Trip (Flow Check) Pump Slug
Start Time	20:00	End Time	00:00	Comment	(Start) Trip... out of Hole ff 8885 to BHA'
Report Start Date	Report End Date	24hr Activity Summary			
4/13/2014	4/14/2014	Swap motor from 2.5deg to 2.77deg. Rerun bit and NMDC. TIH to TD. Drill from 8,886'- 8,893'. Fix pressure sensor. Resume drilling from 8,893' to 9,007'. Circ. TOOH			
Start Time	00:00	End Time	00:30	Comment	Pull Rotating rubber
Start Time	00:30	End Time	01:00	Comment	Rack back NMDC, dran mud motor, break bit, and lay down motor. Bit was green and re-run.
Start Time	01:00	End Time	01:30	Comment	Rig service
Start Time	01:30	End Time	02:00	Comment	Pick up new mud motor(hyperline 7850 2.77deg adjustable), make up bit, and make up NMDC. Scribe assembly.
Start Time	02:00	End Time	02:30	Comment	Install rotating rubber
Start Time	02:30	End Time	08:00	Comment	TIH from BHA to 8,886'.
Start Time	08:00	End Time	08:30	Comment	(Start) Drill 8 3/4" curve from 8,886' to 8,893' (7').
Start Time	08:30	End Time	09:00	Comment	(Stop) Unplaned. Began having pressure fluctuations. Trouble shoot pumps.
Start Time	09:00	End Time	12:00	Comment	Checked standpipe pressure gauge and pressure was fine. Break off amphion electronic pressure sensor and clean sensor. Install sensor and no pressure was being read from amphion. Pull two stands to shoe. Looked around location for backup sensor. Found @ 11:30am. Electrician for pioneer arrived on location @ 11:45am. Electrician determined a bad wire was the cause of failure. Fix and install.
Start Time	12:00	End Time	12:30	Comment	Rig Service. Trip 2 stands back to bottom.
Start Time	12:30	End Time	18:00	Comment	(Start) Drill Curve. Wash to bottom and line up tool face. Drill 8 3/4" curve from 8,893' to 9,007' (114') 20.7 fph. 100% slide.
Start Time	18:00	End Time	20:30	Comment	(Stop) unplanned trip for curve assemble due to build rates Circulate... & Condition Hole for Motor Trip (Flow Check) Pump Slug
Start Time	20:30	End Time	00:00	Comment	(Start) Trip... out of Hole f 9,007' to BHA'
Report Start Date	Report End Date	24hr Activity Summary			
4/14/2014	4/15/2014	TIH, Cut Drlg. Line, TIH Drill from from 9,007' to 9,136'.			
Start Time	00:00	End Time	00:30	Comment	Rack back NMDC, drain mud motor, and break bit.
Start Time	00:30	End Time	01:00	Comment	Rig Service

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

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Start Time	01:00	End Time	01:30	Comment
				Pick up new motor and adjust to 3 degrees.
Start Time	01:30	End Time	02:00	Comment
				Shallow test motor, scribe motor and survey tools, and make up bit.
Start Time	02:00	End Time	02:30	Comment
				Install rotating head rubber
Start Time	02:30	End Time	07:00	Comment
				TIH from BHA to 8,672'
Start Time	07:00	End Time	08:00	Comment
				(Start) Slip and cut drill line.
Start Time	08:00	End Time	08:30	Comment
				TIH from 8,672 to 9,004'
Start Time	08:30	End Time	00:00	Comment
				(Start) Drill 8 3/4" Curve from 9,007' to 9,136' (129') 7.8 fph. 100% slide.
Report Start Date	Report End Date	24hr Activity Summary		
4/15/2014	4/16/2014	Circulate. TOOH. Dial motor back to 2.77deg. TIH. Wash thru Curve Section, Drill curve from 9136' to 9230'		
Start Time	00:00	End Time	00:30	Comment
				Rig Service
Start Time	00:30	End Time	02:00	Comment
				(Stop) Unplanned trip due to build rates. Circulate at 144spm(506). Build slug. Flow check. Well static. Pump slug.
Start Time	02:00	End Time	08:00	Comment
				(Start) Trip...TOOH from 9,136' to 1,692' due to build rates.
Start Time	08:00	End Time	09:30	Comment
				Drain Motor, break bit, adjust motor to 2.77 degrees, make up new bit, and scribe motor.
Start Time	09:30	End Time	17:00	Comment
				Trip In Hole from BHA to 8,782'. Set down 30klbs. Pull 40klbs over string weight. High side motor . Wash through curve from 8,782' to 9,136'.
Start Time	17:00	End Time	17:30	Comment
				(Start) Drill 8 3/4" Curve from 9,136' to 9,156' (20') 40 fph. 100% slide.
Start Time	17:30	End Time	18:00	Comment
				Service Rig
Start Time	18:00	End Time	00:00	Comment
				Drill 8 3/4" Curve from 9,156' to 9,230' (74') 12.3 fph. 100% slide.
Report Start Date	Report End Date	24hr Activity Summary		
4/16/2014	4/17/2014	Drill 8 3/4" curve from 9,230'-9,263'. Work tight spots. Plan on side track. TOOH for side track BHA. PU Sidetrack BHA Trip in hole from 92' to 6,000'.		
Start Time	00:00	End Time	00:30	Comment
				Drill 8 3/4" Curve from 9,230' to 9,234' (4') 8 fph. 100% slide.
Start Time	00:30	End Time	01:30	Comment
				Circulate and work tight spot at 9,224' with 150 spm (527gpm)
Start Time	01:30	End Time	04:00	Comment
				Drill 8 3/4" Curve from 9,234' to 9,254' (20') 8 fph. 100% slide.
Start Time	04:00	End Time	05:30	Comment
				Circulate and work tight spot at 9,244' with 120 spm (420gpm)
Start Time	05:30	End Time	06:00	Comment
				Rig service
Start Time	06:00	End Time	06:30	Comment
				Circulate and work pipe from 9,234' to 9,254'. Begin rotating at 15 rpm with 120 spm.
Start Time	06:30	End Time	07:30	Comment
				Drill 8 3/4" Curve from 9,254' to 9,263' (9') 9 fph.

NEWFIELD



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	07:30	End Time	08:30	Comment	(Stop) Unplanned....Discuss plan for sidetrack. Circulate 1 BU. While discussing plan forward for open hole side track.
Start Time	08:30	End Time	14:30	Comment	(Start) Trip... TOOH for BHA change to side track from 9,263' to 8,716'. Flow check. Pump slug. TOOH on elevators from 8,716' to BHA. Pull Rotating rubber on last stand of drillpipe
Start Time	14:30	End Time	16:00	Comment	Drain motor and break bit. Lay down flex NMDC, survey tools, tool carrier, and mud motor. Bit had chipped teeth on the shoulder and one plugged jet with rubber.
Start Time	16:00	End Time	16:30	Comment	Rig Service
Start Time	16:30	End Time	19:30	Comment	PU Motor 2.77*, Mule Shoe, Tool Carrier, PU MWD Tool, PU Flex NMDC, Shallow Test MWD OK, @ 70 SPM, Rack Back Head Rubber Std. Scribe Motor & Install Bit.
Start Time	19:30	End Time	22:00	Comment	Install Head Rubber Tip in hole From 92' to 2,093' (Fill Pipe)
Start Time	22:00	End Time	22:30	Comment	Rig Service.
Start Time	22:30	End Time	00:00	Comment	Trip in hole From 2,093' to 6,000' (Fill Every 3,000')
Report Start Date	4/17/2014	Report End Date	4/18/2014	24hr Activity Summary Trip in Hole f/ 6,000' to 8,985', Orient toolface to 225 GTF, Build Trough f/ 9,000' to 8,980', Time Drill f/ 9,000' to 9,027', Circulate Wash clean up trough/Sidetrack area due to tight hole.	
Start Time	00:00	End Time	02:00	Comment	Cont. TIH F/ 6000' to 8985' (Fill Every 2,000')
Start Time	02:00	End Time	03:00	Comment	Circulate and orient tool face @ 225 GTF.
Start Time	03:00	End Time	12:30	Comment	(Start)... Building Trough...Troughing F/ 9000' to 9015'. Work through up and down f/8980' to 9015'.
Start Time	12:30	End Time	21:30	Comment	Time Drill @ 5 Min/Per Inch f/9019' to 9020' GTF 215 Time Drill @ 4 Min/Per Inch f/9020' to 9025' GTF 245 Time Drill @ 2 Min/Per Inch f/9025' to 9027' GTF 270 Started adding weight unable to slide - start working pipe to clean up trough/sidetrack
Start Time	21:30	End Time	22:00	Comment	Rig Service
Start Time	22:00	End Time	00:00	Comment	Work through tight area 9000' to 9027' to clean up - very sticky hanging up! PP 2430 psi, Stks 119, gpm 420,
Report Start Date	4/18/2014	Report End Date	4/19/2014	24hr Activity Summary Work Tight area f/9026' to 9010', Time Drill f/ 9026' to 9071', Slide from 9071' to 9156', MM Failure, Circulate & Condition for Trip, Flow Check-OK, Trip out of Hole f/ 9171' to 2300', Cut Drill Line, Trip out of Hole f/ 2300' to BHA, LD MM & Bit, Clean Rig Floor.	
Start Time	00:00	End Time	01:00	Comment	Cont. Work through tight area F/ 9026' to 9010' to clean up - very sticky hanging up! PP 2430 psi, Stks 119, gpm 420,
Start Time	01:00	End Time	05:30	Comment	Time Drill @ 2 Min/Per Inch F/9026' to 9030' GTF 215 Time Drill @ 10 Min/Per Inch F/9030' to 9040' GTF 245 Time Drill @ 15 Min/Per Inch F/9040' to 9060' GTF 270 Slide F/ 9060 to 9071' @ 30R GTF.
Start Time	05:30	End Time	06:00	Comment	Rig Service.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time			Comment		
06:00			14:00			Drill slide F/ 9071' to 9156' @ HS GTF (85' @ 11 FPH 8 hrs. sliding)		
Start Time			End Time			Comment		
14:00			15:30			(Stop) Unplanned Motor Failure... Circ. biuld slug prepare to pooh to change motor. (Check Flow, Well Static, Pump Slug.)		
Start Time			End Time			Comment		
15:30			17:30			(Start) Trip F/ motor... POOH F/ mud motor failure. F/ 9156' to 2310'.		
Start Time			End Time			Comment		
17:30			18:00			Rig Service.		
Start Time			End Time			Comment		
18:00			20:00			(Start)...Slip & cut 100' drilling line.		
Start Time			End Time			Comment		
20:00			23:00			Cont. POOH F/ 2310' to BHA, LD Bit & Motor		
Start Time			End Time			Comment		
23:00			00:00			Clean Rig Floor, prep for Trip		
Report Start Date	Report End Date	24hr Activity Summary						
4/19/2014	4/20/2014	PU New MM 2.77* AKA & Bit, Scribe, Test, Trip in hole from 92' to 9,000' Orient tool Face slide to 9,015', Wash to Btm @ 9,156', Slide f/ 9156' to 9,262', RS, Slide f/ 9,262' to 9,326', RS, Slide f/ 9,326' to 9338'						
Start Time			End Time			Comment		
00:00			02:00			PU Motor 2.77*, RIH Latch NMDC Stand, Shallow Test MWD OK, @ 70 SPM, Scribe Motor & Install Bit.		
Start Time			End Time			Comment		
02:00			05:30			TIH F/ 92' to 5974' Filling pipe every 3000'.		
Start Time			End Time			Comment		
05:30			06:00			Rig Service.		
Start Time			End Time			Comment		
06:00			08:00			Cont. TIH F/ 5974' to 9000' Filling pipe every 3000'.		
Start Time			End Time			Comment		
08:00			08:30			Orient tool @ 9000' slide down to 9015'. (Entered side track with no issues).		
Start Time			End Time			Comment		
08:30			09:00			Wash/Ream F/ 9015' to 9156' Bottom W/ #1 pump @ 120 spm. (Entered side track with no issues).		
Start Time			End Time			Comment		
09:00			17:30			(Start)Drilling Curve... Drill slide F/ 9156' to 9262' @ HS GTF (106' @ 12.5 FPH 100% Slide)		
Start Time			End Time			Comment		
17:30			18:00			Rig Service		
Start Time			End Time			Comment		
18:00			21:30			Drill slide F/ 9262' to 9326' @ HS GTF (64' @ 18.3 FPH 100% Slide)		
Start Time			End Time			Comment		
21:30			23:30			Circulate and Condition hole for Directional gpm 500, PP 3586 Psi TQ 0, RPM 0' Work from 9,326' to 9242'		
Start Time			End Time			Comment		
23:30			00:00			Drill slide F/ 9326' to 9338' @ HS GTF (12' @ 20.0 FPH 100% Slide)		
Report Start Date	Report End Date	24hr Activity Summary						
4/20/2014	4/21/2014	Drill 8 3/4" curve from 9,338'-9,350'. Rot. f/ 9,350' to 9,355' (Motor Failure), Circ. Trip out of Hole f/ 9,355' to BHA, LD MM, PU New MM & Bit TIH, Test MWD, Trip in Hole f/ 502' to 9,355' (Planned Operation) Drill f/ 9,355' to 9,450'						
Start Time			End Time			Comment		
00:00			02:00			Drill slide F/ 9338' to 9350' @ HS GTF (12' @ 20.0 FPH 100% Slide) Rotate F/ 9350' to 9355'.		
Start Time			End Time			Comment		
02:00			03:00			(Stop) Unplanned POOH to dial down motor... Circ. build slug prepare to pooh to change motor. (Check Flow, Well Static, Pump Slug.)		
Start Time			End Time			Comment		
03:00			05:30			(Start) Trip F/ motor... POOH to dial down motor. F/ 9156' to 5113'.		

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

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Start Time	05:30	End Time	06:00	Comment
				Rig Service.
Start Time	06:00	End Time	10:00	Comment
				Cont. POOH F/ 5113' to BHA, LD Bit & Motor. (Pull Rotating head rubber)
Start Time	10:00	End Time	10:30	Comment
				Clean Rig Floor, prep for Trip in hole.
Start Time	10:30	End Time	11:00	Comment
				Rig Service.
Start Time	11:00	End Time	13:00	Comment
				PU X/O. Motor 1.83, RIH Latch NMDC Stand, Shallow Test MWD OK, @ 70 SPM, Scribe Motor & Install Bit.
Start Time	13:00	End Time	15:30	Comment
				TIH F/ 540' to 8,548' Filling pipe every 3000'.
Start Time	15:30	End Time	16:00	Comment
				Change out Rotating Head Rubber
Start Time	16:00	End Time	19:30	Comment
				TIH F/ 8,548' to 9,000' Filling pipe every 3,000'.Orient Tool Face to enter curve, Continue Tripping in Hole f/9,000' to 9,055', (No Problems entering Sidetrack)
Start Time	19:30	End Time	00:00	Comment
				(Start)... Tangent Sectionl f/9,355' to 9,450' (95') 100% Rotate 144 spm, 506 gpm 3836 pp
Report Start Date	Report End Date	24hr Activity Summary		
4/21/2014	4/22/2014	Trip out of hole f/1765 to BHA, LD Motor & Bit, PU Bull Nose & Reamers f/Curve, TIH to 8700', Start Washing & Reaming f/ 8,700' to 9,068', unable to get any deeper. Prep to TOH		
Start Time	00:00	End Time	01:00	Comment
				(Start) Circulate & Condition for Trip
Start Time	01:00	End Time	05:30	Comment
				(Start)... Trip out of hole from 9450' to 552'
Start Time	05:30	End Time	06:00	Comment
				Rig Service
Start Time	06:00	End Time	07:30	Comment
				Cont.Trip out of hole f/ 552' to BHA, LD Bit & Motor (MWD)
Start Time	07:30	End Time	08:00	Comment
				Clean obm off rig floor while moving reamers.
Start Time	08:00	End Time	09:30	Comment
				P/U Reamer Assembly... P/U 10 piece reamer assembly.
Start Time	09:30	End Time	13:30	Comment
				TIH F/ 88' - 8623' filling pipe every 3000'.
Start Time	13:30	End Time	14:00	Comment
				Rig Service.
Start Time	14:00	End Time	00:00	Comment
				(Start) Reaming Curve section... Ream F/ 8,623' to 9,068' @ 100 RPM, 150 SPM, 530 GPM, 100' PH. Tagged up at 9068' Normal torque, stacked out @ 25K, Worked but unsuccessful in getting any deeper. (Left 2 String Mills in hole 17' in length, Top of Fish @ 9,068') Prep to TOO H
Report Start Date	Report End Date	24hr Activity Summary		
4/22/2014	4/23/2014	Trip out of hole, PU Fishing tools, Trip in Hole, Work Fishing Tools, Trip out of Hole f/9,050' to 1,900'		
Start Time	00:00	End Time	01:00	Comment
				(Stop) Unplanned POOH to Check Reamer Assembly... Circ. build slug prepare to pooh to check reamer assenbly. (Check Flow, Well Static, Pump Slug, Fill TripTank.)
Start Time	01:00	End Time	05:00	Comment
				(Start) Trip F/Reamer Assembly... POOH to check reamer assembly. F/ 9068' to BHA'.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	05:00	End Time	06:30	Comment	Lay down reamer assembly. (left 2 pieces of the reamer assembly in hole 1 reamer and the bullnose hole opener.
Start Time	06:30	End Time	07:00	Comment	Rig Service.
Start Time	07:00	End Time	08:30	Comment	Waiting on fishing tools.
Start Time	08:30	End Time	10:30	Comment	Pick up Slauch fishing tools.(PU, OS, XO, MBS, XO, Drilling Jars, 4 Stds. HWDP, XO, INT, XO to drill pipe)
Start Time	10:30	End Time	14:30	Comment	Trip in hole w/ fishing tools F/ 432.21' to 8617'. Filling pipe every 3000'.
Start Time	14:30	End Time	15:00	Comment	Install Head Rubber
Start Time	15:00	End Time	16:00	Comment	(Start) Cut & Slip Drill Line 130'.
Start Time	16:00	End Time	20:00	Comment	Trip in Hole Wash from 8,617' to 9050' Work over top of fish 40K work Tool, unable to latch fish.
Start Time	20:00	End Time	20:30	Comment	Circ. build slug prepare to pooh with fish . (Check Flow, Well Static, Pump Slug.)
Start Time	20:30	End Time	00:00	Comment	Trip out of Hole from 9055' to 1,900'
Report Start Date	4/23/2014	Report End Date	4/24/2014	24hr Activity Summary Pull out of the hole with fishing assembly and redress tools then trip in and attempt to engage fish with no luck, Pull out of the hole and replace grapple then trip in hole to fish top and break circulation	
Start Time	00:00	End Time	00:30	Comment	Check Flow @ 1900' Well Static, Pull Rotating head rubber.
Start Time	00:30	End Time	02:00	Comment	Cont. POOH F/ 1900' to Fishing BHA (No Fish)
Start Time	02:00	End Time	02:30	Comment	Rig Service.
Start Time	02:30	End Time	03:30	Comment	Change Out Slauch fishing tools.(PU, OS, XO, 1 stand d/p, XO, MBS, XO, Drilling Jars, 4 Stds. HWDP, XO, INT, XO to drill pipe)
Start Time	03:30	End Time	09:30	Comment	Trip in hole w/ fishing tools F/ 528' to 9050'. Filling pipe every 3000'.
Start Time	09:30	End Time	10:30	Comment	Fishing slacked off to 160K, Pump pressure increased F/ 655 to 1104 psi, picked up pulled up to 293K, broke free. (build slug, check flow, well static, pump slug)
Start Time	10:30	End Time	15:00	Comment	POOH F/ 9050' to Fishing BHA. (Pull Rotating Head Rubber)
Start Time	15:00	End Time	16:00	Comment	Pull out fishing assembly, layed down Intensifier, Mousehole jars, pulled overshot (No fish on) Break down overshot.
Start Time	16:00	End Time	16:30	Comment	Service rig and top drive, Inspect ST-80 and Blocks
Start Time	16:30	End Time	23:30	Comment	Make up Overshot with 6 3/4" spiral grapple pickup fishing assembly and install rotating head then trip in hole to fish top at 9050'
Start Time	23:30	End Time	00:00	Comment	Break circulation at 9050 and wash down to engage fish.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

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Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
4/24/2014	4/25/2014	Engage fish and pull out of the hole. Lay down fish and fishing assembly then trip in hole with reamer run, slip and cut DL and begin reaming from 8700' to 9113'	
Start Time	00:00	End Time	03:30
			Comment Fishing - Engage Fish and confirmed fish was on but stuck, warm up jars with 260 k up, then Jar on fish with 325 K then pull up to 350 K. Jar for 1.5 hr and pull free with no drop in pump pressure to indicate pulling off fish top. Pull out of hole with 3 stands then check flow and pump slug to dry pipe.
Start Time	03:30	End Time	04:00
			Comment Lubricate rig and perform post Jarring inspection
Start Time	04:00	End Time	07:30
			Comment Pull out of hole with fishing assembly, Maintain proper fill up with trip tank. (Pull rotating head rubber)
Start Time	07:30	End Time	09:30
			Comment Break down fishing assembly, lay down fish, inspect bullnose reamer, continue laying down the rest of fishing tools.
Start Time	09:30	End Time	10:00
			Comment Rig Service.
Start Time	10:00	End Time	12:00
			Comment Rack out & P/U Reamer Assembly... P/U 10 piece reamer assembly & 1 Stand. (Install rotating head rubber)
Start Time	12:00	End Time	16:00
			Comment TIH W/ Reamer Assembly F/ 181' to 6600' Filling pipe every 3000'.
Start Time	16:00	End Time	17:00
			Comment Slip & cut 100' drill line.
Start Time	17:00	End Time	20:00
			Comment Wash and ream from 8700' to 9068' with 100 RPM and flow rate of 530 gpm while maintaining rotary torque of 12 to 15k
Start Time	20:00	End Time	00:00
			Comment (Start) Reamer run - Wash and ream from 9068' to 9113' with 530 GPM and 100 RPM maintaining rotary torque at 14 to 15 K while reaming.
Report Start Date	Report End Date	24hr Activity Summary	
4/25/2014	4/26/2014	Wash and ream to bottom at 9540', pull out of hole and lay down reamer assembly, Pick up RSS assembly and trip in hole to 3032' and fill pipe then notice that float in drill string was not holding. Pump pill and pull out to 95' and replace float valve then trip in hole to 711'	
Start Time	00:00	End Time	05:30
			Comment Cont. Wash and ream from 9113' to 9383' with 530 GPM and 100 RPM maintaining rotary torque at 14 to 15 K while reaming.
Start Time	05:30	End Time	06:00
			Comment Rig Service.
Start Time	06:00	End Time	07:30
			Comment Cont. Wash and ream from 9383' to 9450' with 530 GPM and 100 RPM maintaining rotary torque at 14 to 15 K while reaming.
Start Time	07:30	End Time	08:30
			Comment (Start) Circulate... Circ. Bottoms up @ 9450' work pipe up & down a full stand. @ 530 GPM @ 100 rpm. Check Flow, Well Static, Pump Slug & Prepare to pull out of hole with reamer assembly.
Start Time	08:30	End Time	13:30
			Comment (Start) Tripping... POOH F/ 9450' to 181' Max over pull 25K over string weight in cruve, while monitoring well on trip tank. (Pull rotating head rubber @ 200')
Start Time	13:30	End Time	15:00
			Comment Lay down reamer assembly.
Start Time	15:00	End Time	15:30
			Comment Rig Service.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	15:30	End Time	18:00	Comment	(Start)P/U Lateral Assembly... PU & MU R.S.S. Assembly, Program tool,
Start Time	18:00	End Time	21:00	Comment	(Start) Trip....Trip in hole from 95' to 3032' fill pipe then notice float in drill string is not holding
Start Time	21:00	End Time	22:00	Comment	(Stop) Unplanned POOH - Circulate, build pill and check well for flow, pump slug. (POOH because floats did not hold)
Start Time	22:00	End Time	23:30	Comment	Pull out of hole from 3032 to float sub at 95' and change out float valve.
Start Time	23:30	End Time	00:00	Comment	Trip in hole from 95' to 711'
Report Start Date	4/26/2014	Report End Date	4/27/2014	24hr Activity Summary Trip in hole to 9413' then wash down to 9450'. Drilled from 9450' to 10060'	
Start Time	00:00	End Time	01:00	Comment	Trip in hole from 711 to 3032'
Start Time	01:00	End Time	04:00	Comment	(START) Trip in hole from 3032' to 8440' Filling pipe every 3000'.
Start Time	04:00	End Time	04:30	Comment	Install New Rotating Head Rubber.
Start Time	04:30	End Time	05:00	Comment	Rig Service.
Start Time	05:00	End Time	06:00	Comment	Cont. TIH F/ 8440' to 9413' Filling pipe every 3000'.
Start Time	06:00	End Time	06:30	Comment	Wash down to bottom F/ 9413' to 9450' @ 150 spm, 526 gpm, 2900 psi with no rotary until 9433'. @ 9433' Start rotating f/ 9433' to 9450 with 120 120 rpm @ 100' fph.
Start Time	06:30	End Time	16:00	Comment	(Start) Drill 8-1/2" Lateral F/ 9450' - 9758' (308') @ 33 fph . WOB 20-30, PP 3450 psi, 562 gpm, 140 RPM
Start Time	16:00	End Time	16:30	Comment	Rig service
Start Time	16:30	End Time	00:00	Comment	Drill 302' of 8 1/2" Lateral with Weatherford RSS assembly from 9758' to 10060' at 40 FPH with 25 K wob and 150 RPM MW: 14 ppg Change Shaker screens #1 230, #2 200, #3 200 Drilled into Utland Butte at 9974' MD, 8987 TVD
Report Start Date	4/27/2014	Report End Date	4/28/2014	24hr Activity Summary Drill lateral with RSS from 10,060' to 10,808' Replace swabs and liners in mud pumps and Wash pipe in top drive.	
Start Time	00:00	End Time	05:30	Comment	Drill 175' of 8 1/2" Lateral with Weatherford RSS assembly from 10,060' to 10,235' at 32 FPH Average ROP with 25-30 K wob and 130-150 RPM (Change out 3 swabs in #1 mud pump)
Start Time	05:30	End Time	06:00	Comment	Rig Service.
Start Time	06:00	End Time	15:00	Comment	Drill 8-1/2" Lateral F/ 10,235' - 10,482' (247') @ 27.4 fph . WOB 20-30, PP 3450 psi, 562 gpm, 140 RPM (Change out 3 swabs & 2 liners in #2 mud pump)
Start Time	15:00	End Time	16:30	Comment	(STOP) Rig repair - Top Drive wash pipe assembly

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time			Comment		
16:30			00:00			(START) - Drill 326' of 8 1/2" Lateral with Weatherford RSS assembly from 10,482' to 10,808' at 43 FPH Average ROP with 25-30 K wob and 130-150 RPM Raised MW to 14.2 ppg to control back ground gas and paraffin		
Report Start Date	Report End Date	24hr Activity Summary						
4/28/2014	4/29/2014	Drill Lateral with RSS from 10808' to 10897' then change Rotating head rubber service rig and Repair Pumps # 1 & 2 (Swabs) Continue drilling from 10897' to 11452'						
Start Time			End Time			Comment		
00:00			02:00			Drill 89' of 8 1/2" Lateral with Weatherford RSS assembly from 10,808' to 10,897' at 44 FPH Average ROP with 25-30 K wob and 130-150 RPM		
Start Time			End Time			Comment		
02:00			02:30			(Stop).....Change out Leaking Rotating head ruber		
Start Time			End Time			Comment		
02:30			03:00			Service rig- Lubricate draw works, ST-80, Blocks and top drive. Inspect Fluid end on #1 Mud pump.		
Start Time			End Time			Comment		
03:00			08:30			Repair Mud pumps - Change 4 swab in # 2 Mud pump and 3 Swabs in #1 Mud pump and 1 liner.		
Start Time			End Time			Comment		
08:30			15:00			(Start) Drilling... Drill 8-1/2" Lateral F/ 10,897' - 11,184' (287') @ 44.15 fph . WOB 20-35, PP 4050 psi, 565 gpm, 130-140 RPM		
Start Time			End Time			Comment		
15:00			15:30			Rig Service.		
Start Time			End Time			Comment		
15:30			00:00			Drill 268' of 8 1/2" Lateral with Weatherford RSS assembly from 11,184' to 11,452' at 31.5 FPH Average ROP with 30-35 K wob and 145-155 RPM Repair pump but continue drilling with reduced flow rate of 475 Gpm / Changes swab #3 in Mud Pump 2 and inspect fluid end (valves and seats) MW at 14.3 ppg Peak offline for 5 Hours		
Report Start Date	Report End Date	24hr Activity Summary						
4/29/2014	4/30/2014	Drill lateral from 11452' to 12415'						
Start Time			End Time			Comment		
00:00			05:00			Drill 205' of 8 1/2" Lateral with Weatherford RSS assembly from 11,452' to 11,657' at 41 FPH Average ROP with 30-35 K wob and 145-155 RPM MW at 14.3 ppg		
Start Time			End Time			Comment		
05:00			05:30			Service rig and Top Drive, Inspect ST-80 and Hyd Catwalk. Personel lift permit and JSA		
Start Time			End Time			Comment		
05:30			17:00			Drill 8-1/2" Lateral F/ 11657' - 12133' (476') @ 41.4 fph . WOB 20-40, PP 4350 psi, 565 gpm, 140-160 RPM MW @ 14.5 ppg		
Start Time			End Time			Comment		
17:00			17:30			Service rig and Top Drive, Inspect ST-80 and Hyd Catwalk. Personel lift permit and JSA		
Start Time			End Time			Comment		
17:30			00:00			Drill 282' of 8 1/2" Lateral with Weatherford RSS assembly from 12,133' to 12,415' at 43.4 FPH Average ROP with 35 K wob and 130-145 RPM MW at 14.6 ppg Changed top 2 screens #1 Shaker with 230, top 2 screens on #2 shaker with 230, and changed top screen on #3 shaker with 200. (At the depth of 12310 We noticed that "slack-off" on drill string was no longer possible without rotation. "Pick-up" without rotation possible with 285K)		
Report Start Date	Report End Date	24hr Activity Summary						
4/30/2014	5/1/2014	Drill Lateral from 12,415 to 12,898'. Change rotating head. Circulate in preperation for trip, Pull out wet from 12898 to 11305 ream from 12348 to 12255						

NEWFIELD



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time	00:00	End Time	04:30	Comment
				Drill 192' of 8 1/2" Lateral with Weatherford RSS assembly from 12,415' to 12,607' at 42.7 FPH Average ROP with 35 K wob and 130-145 RPM MW at 14.6 ppg
Start Time	04:30	End Time	05:00	Comment
				Lubricate rig and top drive, Inspect fluid end on #1 Mud pump (Changed out 6 Valves) JSA and personel lift permit
Start Time	05:00	End Time	15:00	Comment
				Drill 283' of 8 1/2" Lateral with Weatherford RSS assembly from 12,607' to 12,890' at with an average ROP of 16 FPH 28.3 FPH with 35 K WOB and 130-145 RPM MW at 14.6 ppg Change Shaker screen 3 on Shaker #3
Start Time	15:00	End Time	15:30	Comment
				Rig Service.
Start Time	15:30	End Time	17:30	Comment
				(Stop) Unplanned Change leaking rotating head... Rotating head began leaking and a valve and union on the mud line washed out. While breaking out to rack back a stand a thread hung up on the box end on the saver sub. The pipe was lifted and when the thread slipped off the saver sub. The pipe fell about 5" and damaged a thread on one joint and scared the face of the box in the hole. Laid down both stands and change out rotating head. Had to pick up to 332 klbs (100klbs OSW).
Start Time	17:30	End Time	18:00	Comment
				Lock out tag out pump #2 and isolate. Rig up Pump #1 to bypass washed union and valve.
Start Time	18:00	End Time	18:30	Comment
				(Start)...Drill 8' of 8 1/2" Lateral with Weatherford RSS assembly from 12,890' to 12,898' with an average ROP of 16 FPH. Parameters: 35 K WOB and 130-145 RPM
Start Time	18:30	End Time	22:00	Comment
				(Stop) Unplanned due to low ROP. Circulate 3 bottoms up in preparation for TOOH for bit.
Start Time	22:00	End Time	00:00	Comment
				Pull out of hole wet from 12898' to 11305' / Back ream from 12348' to 12255' with 475 GPM and 160 RPM
Report Start Date	Report End Date	24hr Activity Summary		
5/1/2014	5/2/2014	Pull out of hole from 12898 to surface, Change bit and make changes to BHA, Trip in hole to 5400' and noticed Float failure. Pulled out of hole and replaced float as well as picked up secondary float sub. Trip in hole to 4500'		
Start Time	00:00	End Time	05:30	Comment
				Pump pill and trip out of hole from 11305' to 700' Check well for flow and pull rotating head at casing shoe.
Start Time	05:30	End Time	06:00	Comment
				Rig service
Start Time	06:00	End Time	07:30	Comment
				TOOH from 700' to BHA.
Start Time	07:30	End Time	11:30	Comment
				Break and lay down security bit, RSS, and HEL tool. Mouse hole Flex collar, ToMax, spiral stabilizers, and joint of drillpipe. Swap batteries on HEL tool. Clean rig floor while swaping batteries. Pick up new bit, RSS, and HEL tool. Program tools. Decide to swap ToMax. Laydown used and pick up new. Make up tools.
Start Time	11:30	End Time	15:00	Comment
				TIH from BHA to 1,000'. Insall Rotating rubber. Test directional tools. TIH from 1,000' to 5,152'.
Start Time	15:00	End Time	16:30	Comment
				While trying to fill pipe pressure came up after pumping about 5 barrels. Confirmed flow and pressure. Pipe was full. Displacement was equivalent to tripping in the hole with no float and pulling dry pipe. Pump for 8 minutes with 70 storkes. Run 5 stands in and check displacement. Displacment for five stands is equal to about 11.5 barrels. After tripping in 5 stands displacment showed about 8 barrels.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time		Comment
16:30			19:30		Pull out of hole to Change out leaking float valve From 5681' to 94'
Start Time			End Time		Comment
19:30			21:30		Pull float from Stabilizer and find Dart seal washed out, Upon inspection of float bore in reamer we found 2 4 to 5" long washes in intenal reamer body, Laydown reamer and strap and pick up back up reamer. Pick up secondary float sub and run above reamer. Job stopped to clean rig floor and prepare for trip in.
Start Time			End Time		Comment
21:30			00:00		Trip in hole from 96' to 4500' fill pipe evry thirty stands and record proper displacement with trip tank
Report Start Date	Report End Date	24hr Activity Summary			
5/2/2014	5/3/2014	Trip in hole from 4500' to 8615' fill pipe and cut DL then continue trip in hole to 12800 then wash 90' to bottom and drill from 12898 to 13203			
Start Time			End Time		Comment
00:00			03:00		Trip in hole from 4500' to 8615', Fill pipe every 30 Stands then record Displacement with trip sheet.
Start Time			End Time		Comment
03:00			04:00		(Start) Slip and Cut 128' Drilling line
Start Time			End Time		Comment
04:00			04:30		Lubricate rig, Inspect ST-80 and Top drive.
Start Time			End Time		Comment
04:30			09:30		Trip in hole from 8615' to to 12,895'. Wash last stand down. No abnormal drag or tight spots going in. Trip gas- 5,100 units.
Start Time			End Time		Comment
09:30			17:30		Drill 227' of 8 1/2" Lateral with Weatherford RSS assembly from 12,898' to 13,125' with an average ROP of 28.4 FPH. Parameters: 30-35 K WOB, 130-145 RPM, and 136spm(480gpm).
Start Time			End Time		Comment
17:30			18:00		Lubricate rig, Service Draw Works, Top Drive, ST-80 and Catwalk (Personel lift permit for man hoisting and JSA)
Start Time			End Time		Comment
18:00			00:00		Drill 78' of 8 1/2" Lateral with Weatherford RSS assembly from 13,125' to 13,203' with an average ROP of 13 FPH. Parameters: 35-40 K WOB, 130-160 RPM, and 136spm(480gpm) Adjusting all parameters to find optimum performance. Maintaining MW at 14.5 ppg
Report Start Date	Report End Date	24hr Activity Summary			
5/3/2014	5/4/2014	Drilled from 13,203' to 13,234'. Wiper trip with 15 stands. Went back to bottom. Could not drill. Prep for Trip out of hole and pull out of hole to find Drill bit damaged beyond repair (Ring out)			
Start Time			End Time		Comment
00:00			05:30		Drill 8 1/2" Lateral from 13203' to 13225'. Experiencing excessive torque and vibrations from stick slip due to trying to break through hard cap to get down in zone and find better ROP.
Start Time			End Time		Comment
05:30			06:00		Rig Service.
Start Time			End Time		Comment
06:00			10:00		Drill 9' of 8 1/2" Lateral with Weatherford RSS assembly from 13,225' to 13,234' with an average ROP of 2.25 FPH. Parameters: 30-35 K WOB, 120-160 RPM, and 136spm(480gpm). Trying to steer down through hard cap. Drilling slowed down to 2-4 fph and had to pick up every 5-10 minutes due to excessive torque and vibrations.
Start Time			End Time		Comment
10:00			14:00		(Stop) Unplanned wiper trip due to excessive torque, vibrations, and ROP. TOOH 15 stands with 80klbs OSW on first stand and slick on the other 14 stands. TIH 15 stands. Wash last 50' down.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Report Start Date 5/4/2014			Report End Date 5/5/2014			24hr Activity Summary Change rotating head Bowl (making necessary changes to outlet configuration) Picked up BHA then begin trip in hole.		
Start Time	14:00	End Time	14:30	Comment (Start) Drilling 8 1/2" lateral. Tag up at 13,233.65'. Try to work down string torqued up and vibrations became too high. Pick up and then work down. Tag 1 foot higher than original TD. Could not drill or work down any farther. 33 klbs WOB and 13218 ft-lbs of torque.				
Start Time	14:30	End Time	15:00	Comment (Stop) Unplanned Trip for ROP and vibrations. Prep for trip. Circulate with 137 spm(483gpm) while building slug and filling trip tanks.				
Start Time	15:00	End Time	17:30	Comment Flow check for 15 mins. Well static. Begin TOOH from 13,171' to 9500' Pulled off bottom good with 305K				
Start Time	17:30	End Time	18:00	Comment Lubricate Rig and Draw works, Check oil and service top drive, ST-80. Performed JSA and Personel lift permit				
Start Time	18:00	End Time	22:00	Comment Pull out of the hole from 9500' to 105' then pull rotating head rubber Monitor well on trip tank and ensure proper fill				
Start Time	22:00	End Time	00:00	Comment Handle BHA - Lay down Float sub and Top Stabilizer then Pull out RSS Assembly and Inspect Complete assembly. Noticed no Damage to RSS but Drill bit was DBR (Ring out in nose area) No Junk Damage. Clean and inspect all tool prior to lay down.				
Report Start Date	5/4/2014	Report End Date	5/5/2014	24hr Activity Summary Change rotating head Bowl (making necessary changes to outlet configuration) Picked up BHA then begin trip in hole.				
Start Time	00:00	End Time	05:30	Comment Noticed earlier yesterday the rotating rubber had gone bad again after 24 hours. Decide to swap rotating heads due to bearings. Rig down Oil mud Containment, Nipple down Rotating head from top of hydril and remove old rotating head. Remove and modify flowline adapter with Justin Bensen welding.(Hot Work Permit)				
Start Time	05:30	End Time	06:00	Comment Lubricate rig				
Start Time	06:00	End Time	20:30	Comment Install catch can and new head. While installing new head noticed the neck out to the flange for the flow line was too short and sitting on the annular preventer. Order a welder, extra piping and a flange to cut and lengthen flowline neck. @03:00pm Welder has all cuts made, welding rotating head to neck and flange(Hot work Permit) and finished welding in Flanges by 17:00. installed rotating head and catchpan on top of hydrill then installed flow line and dresser sleeve. Circulate through flowline with trip pump to check head and flowline for leaks (NO Leaks)				
Start Time	20:30	End Time	23:00	Comment Begin Picking up RSS assembly and related tools, Pick up new Smith MDI611 Drill bit and torque to 20,000 lbs then Make up HEL/IDS, Roller reamer, NMDC, Tomax and Float sub. Program tools and Function test.				
Start Time	23:00	End Time	00:00	Comment Trip - Intsall Used rotating head insert and trip in hole from 88' to 941 monitoring returns with trip tank to ensure proper displacement. 4C crew on site with Pig truck cleaning upoil base mud in and around sub structure and cleaning out Peak Mud Vac system.				
Report Start Date	5/5/2014	Report End Date	5/6/2014	24hr Activity Summary Trip in hole and wash to bottom. Drill from 13,234'-13,262'. RSS Malfunction. TOOH, Break out bit and change RSS then trip in hole				
Start Time	00:00	End Time	01:00	Comment Trip in hole from 941' to 1702' Shallow test MWD at 1036' Tested good with 70 SPM				
Start Time	01:00	End Time	01:30	Comment Service rig - Lubricate Draw works, Service and inspect draw works and Service ST-80				
Start Time	01:30	End Time	05:00	Comment Trip in hole from 1702' to 8570 filling pipe every 30 stands and pumping out trip tank.				
Start Time	05:00	End Time	06:00	Comment Change rotating head rubber at shoe				

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time			Comment		
06:00			11:00			Trip in hole from 8570' to 13,168' while monitoring well on trip tank and filling every 3000 feet. Wash from 13,168' to 13,231'.		
Start Time			End Time			Comment		
11:00			13:30			(Start)...Drill 28' of 8 1/2" Lateral with Weatherford RSS assembly from 13,234' to 13,262' with an average ROP of 11.2 FPH. Parameters: 25-30 K WOB, 130-145 RPM, and 157spm(550gpm). Initially near bit inc was not working on RSS. While drilling RSS would not hold a tool face.		
Start Time			End Time			Comment		
13:30			14:30			(Stop) Unplanned-RSS malfunction. Trouble shoot RSS with downlinks. Downlinks did not solve problem. Build slug and fill trip tank.		
Start Time			End Time			Comment		
14:30			21:30			Flow Check (Well static) Pump Slug. TOOH due to RSS malfunction from 13,262' to 100'. Monitor proper displacement with trip tank and record		
Start Time			End Time			Comment		
21:30			22:00			Pull Rotating head rubber		
Start Time			End Time			Comment		
22:00			23:30			Brerak out and inspect Float sub and float, Visually inspect roller reamer and RSS assembly, Inspect and grade Bit (0,0, ND). Pick up New RSS, Make up and rerun same good Bit with 20k Makeup torque. Pick up complete assembly and Float sub (Inspected Float) Plug in and Program RSS		
Start Time			End Time			Comment		
23:30			00:00			Install Rotating head rubber to trip in hole.		
Report Start Date	Report End Date	24hr Activity Summary						
5/6/2014	5/7/2014	Trip in hole to 8610 Then Slip and cut drilling line, TIH to 13170 then wash down 90' to bottom. Drill from 13262 to 13830' (568')						
Start Time			End Time			Comment		
00:00			00:30			Shallow test MWD tools at 356 GPM with 495 psi (Tools working properly)		
Start Time			End Time			Comment		
00:30			01:00			Service and Lubricate Rig, Draw Works, ST-80, Top Drive, Blocks and Catwalk.		
Start Time			End Time			Comment		
01:00			05:00			Trip in Hole from 88' to 8612' while monitoring returns on trip tank. Fill pipe every 2000'		
Start Time			End Time			Comment		
05:00			06:00			(Start) Slip and cut 120' of drilling line, Recalibrate Draw works and Function test COM.		
Start Time			End Time			Comment		
06:00			10:00			TIH from 8,612' to 13,262'. Wash last stand down and downlink to RSS.		
Start Time			End Time			Comment		
10:00			17:30			(Start) Drill 285' of 8 1/2" Lateral with Weatherford RSS assembly from 13,262' to 13,547' with an average ROP of 38 FPH. Parameters: 25-30 K WOB, 150 RPM, and 157spm(550gpm). Max trip gas-2593units.		
Start Time			End Time			Comment		
17:30			18:00			Lubricate rig - (Perform JSA and Personel lift Permit)Service Draw works, Top Drive and ST-80.		
Start Time			End Time			Comment		
18:00			00:00			Drill 283' of 8 1/2" Lateral with Weatherford RSS assembly from 13,547' to 13,830' with 160 RPM and 550 GPM at 4860 PSI Mud weight 14.5 ppg		
Report Start Date	Report End Date	24hr Activity Summary						
5/7/2014	5/8/2014	Drill 8 1/2" Lateral from 13,830' to 14,020' Rig Service, Drill 8 1/2" Lateral from 14,020' to 14,875', Rig Service, Drill 8 1/2" Lateral from 14,875' to 15,107', Change out Head Rubber, Drill 8 1/2" Lateral from 15,107' to 15,113' (1283')						

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	00:00	End Time	03:30	Comment
				Drill 190' of 8 1/2" Lateral with Weatherford RSS assembly from 13,830' to 14,020' with an average ROP of 54.3 FPH. Parameters: 27 K WOB, 160 RPM, and 154 spm(544gpm).
Start Time	03:30	End Time	04:00	Comment
				Rig Service
Start Time	04:00	End Time	17:30	Comment
				Drill 855' of 8 1/2" Lateral with Weatherford RSS assembly from 14,020' to 14,875' with an average ROP of 63.4 FPH. Parameters: 27 K WOB, 160 RPM, and 154 spm(544gpm). Blew one swab on each pump. Decreased flow rate for the last 100 feet to 423 gpm with no ROP change and no major increases in pressure. Go through pump #2 completely and bring back on. Change out gear end oil in pump #1 due to gear oil becoming bad.
Start Time	17:30	End Time	18:00	Comment
				Rig Service
Start Time	18:00	End Time	22:30	Comment
				Drill 232' of 8 1/2" Lateral with Weatherford RSS assembly from 14,875' to 15,107' with an average ROP of 51.6 FPH. Parameters: 27 K WOB, 160 RPM, and 154 spm (544gpm).
Start Time	22:30	End Time	23:30	Comment
				Change out Head Rubber
Start Time	23:30	End Time	00:00	Comment
				Drill 6' of 8 1/2" Lateral with Weatherford RSS assembly from 15,107' to 15,113' with an average ROP of 50 FPH. Parameters: 27 K WOB, 160 RPM, and 154 spm (544 gpm).
Report Start Date	Report End Date	24hr Activity Summary		
5/8/2014	5/9/2014	Drill 8 1/2" Lateral from 15,113' to 16,389'. (1276') RS.		
Start Time	00:00	End Time	00:30	Comment
				Send downlinks to RSS.
Start Time	00:30	End Time	05:00	Comment
				Drill 234' of 8 1/2" Lateral with Weatherford RSS assembly from 15,113' to 15,347' with an average ROP of 52 FPH. Parameters: 27 K WOB, 160 RPM, and 154 spm (544 gpm).
Start Time	05:00	End Time	05:30	Comment
				Rig Service
Start Time	05:30	End Time	17:00	Comment
				Drill 663' of 8 1/2" Lateral with Weatherford RSS assembly from 15,347' to 16,010' with an average ROP of 57.6 FPH. Parameters: 27-29 K WOB, 160 RPM, and 154 spm (544 gpm).
Start Time	17:00	End Time	17:30	Comment
				Rig Service
Start Time	17:30	End Time	00:00	Comment
				Drill 379' of 8 1/2" Lateral with Weatherford RSS assembly from 16,010' to 16,389' with an average ROP of 58.3 FPH. Parameters: 27-29 K WOB, 160 RPM, and 154 spm (544 gpm). (Pumped 10 ppb Walnut sweep 50 bbls)
Report Start Date	Report End Date	24hr Activity Summary		
5/9/2014	5/10/2014	Drill 8 1/2" Lateral from 16,389' to 17,397' (1008') 52.4 fph.		
Start Time	00:00	End Time	04:00	Comment
				Drill 191' of 8 1/2" Lateral with Weatherford RSS assembly from 16,389' to 16,580' with an average ROP of 47.75 FPH. Parameters: 27-29 K WOB, 160 RPM, and 144 spm (508 gpm).

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	04:00	End Time	04:30	Comment	Rig Service
Start Time	04:30	End Time	13:00	Comment	Drill 475' of 8 1/2" Lateral with Weatherford RSS assembly from 16,580' to 17,055' with an average ROP of 55.8 FPH. Parameters: 27-29 K WOB, 160 RPM, and 144 spm (508 gpm).
Start Time	13:00	End Time	14:00	Comment	Change rotating head rubber.
Start Time	14:00	End Time	17:30	Comment	Drill 145' of 8 1/2" Lateral with Weatherford RSS assembly from 17,055' to 17,200' with an average ROP of 41.4 FPH. Parameters: 27-29 K WOB, 160 RPM, and 140 spm (493 gpm).
Start Time	17:30	End Time	18:00	Comment	Rig Service
Start Time	18:00	End Time	00:00	Comment	Drill 197' of 8 1/2" Lateral with Weatherford RSS assembly from 17,200' to 17,397' with an average ROP of 32.8 FPH. Parameters: 27-29 K WOB, 160 RPM, and 140 spm (493 gpm).
Report Start Date	Report End Date	24hr Activity Summary			
5/10/2014	5/11/2014	Drill 8 1/2" Lateral from 17,397' to 17,924' (564') 41 fph. Change Swivel packing, Hole Started Packing off, Started working Stand/Clean up Cycle lost 200 bbls OBM, Pulled up to 17,718', Pump LCM Pills of 15 ppg			
Start Time	00:00	End Time	04:00	Comment	Drill 131' of 8 1/2" Lateral with Weatherford RSS assembly from 17,397' to 17,528' with an average ROP of 32.8 FPH. Parameters: 27-29 K WOB, 160 RPM, and 140 spm (493 gpm).
Start Time	04:00	End Time	04:30	Comment	Rig Service
Start Time	04:30	End Time	11:00	Comment	Drill 317' of 8 1/2" Lateral with Weatherford RSS assembly from 17,528' to 17,845' with an average ROP of 48.7 FPH. Parameters: 27-29 K WOB, 160 RPM, and 140 spm (493 gpm).
Start Time	11:00	End Time	12:00	Comment	(Stop) Unplanned- Swivel packing began to leak. Change out swivel packing
Start Time	12:00	End Time	12:30	Comment	Rig Service.
Start Time	12:30	End Time	16:30	Comment	(Start) Drill 116.8' of 8 1/2" Lateral with Weatherford RSS assembly from 17,845' to 17,961.8' with an average ROP of 116.8 FPH. Parameters: 27-29 K WOB, 160 RPM, and 140 spm (493 gpm).
Start Time	16:30	End Time	00:00	Comment	(Stop) Unplanned... Hole started packing off, Start Circulate & Working Stand for Clean-up Cycle. RPM 160, SPM 135 gpm 493. Pump 40bbls 10ppb walnut sweep. While pumping sweep pumps aired up. In attempt to air out pumps the hole packed off and started loosing returns. Lower pump rate to 20 spm and pull another stand up and rack stand back. Pump another 40 bbls of 12 ppb calcium carbonate and walnut sweep. Walk rate up to 50 spm with increasing returns and pressure. Pump another ~80 bbls of 15 ppb calcium carbonate and walnut sweep. Returns gradually became stronger.
Report Start Date	Report End Date	24hr Activity Summary			
5/11/2014	5/12/2014	Circ Sweep, C/O Head Rubber, Increased Flow to 490 gpm wash from 17,718' to btm. Drill lateral from 17.961' to 18,640' (679') 37.6 fph			
Start Time	00:00	End Time	01:00	Comment	Continue circulating while working rate up to 120spm with full returns and work top drive rotary up to 160rpms. Cut mud weight to 14.3ppg with peak centrifuge.

NEWFIELD



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

Start Time			End Time			Comment		
01:00			02:00			Rotating head began leaking. Change out rotating heads and check flow. Well static.		
Start Time			End Time			Comment		
02:00			02:30			Rig service.		
Start Time			End Time			Comment		
02:30			05:30			Bring pumps on slowly to 80spm with 5rpm. Verify full returns with no losses. Work pumps and rotary up to 138spm and 160rpm. Bring mud weight up to 14.8ppg. Work back to bottom. Pump Proactive 50ppb 40bbl LCM sweeps of BaraCarb 150 & 50, Steel Seal, and BaroSeal.		
Start Time			End Time			Comment		
05:30			17:30			(Start) Drill 421' of 8 1/2" Lateral with Weatherford RSS assembly from 17,961' to 18,382' with an average ROP of 35.0 FPH. Parameters: 24-27 K WOB, 160 RPM, and 140 spm (493 gpm). Sending 20bbls of 50ppb LCM sweeps every connection. No significant losses observed.		
Start Time			End Time			Comment		
17:30			18:00			Rig Service		
Start Time			End Time			Comment		
18:00			20:30			(Start) Drill 127' of 8 1/2" Lateral with Weatherford RSS assembly from 18,382' to 18,509' with an average ROP of 50.8 FPH. Parameters: 24-27 K WOB, 160 RPM, and 140 spm (493 gpm). Sending 20bbls of 50ppb LCM sweeps every connection. No significant losses observed.		
Start Time			End Time			Comment		
20:30			21:30			Change out Swab on # 2 Pump while circ. & Reciprocating w/ #1 pump 160 RPM, 5 fpm		
Start Time			End Time			Comment		
21:30			00:00			(Start) Drill 131' of 8 1/2" Lateral with Weatherford RSS assembly from 18,509' to 18,640' with an average ROP of 52.4 FPH. Parameters: 24-27 K WOB, 160 RPM, and 140 spm (493 gpm). Sending 20bbls of 50ppb LCM sweeps every connection. No significant losses observed.		
Report Start Date	Report End Date	24hr Activity Summary						
5/12/2014	5/13/2014	Drill lateral from 18,640' to 19,555' (915') 39.8 fph Rig Service						
Start Time			End Time			Comment		
00:00			05:30			Drill 213' of 8 1/2" Lateral with Weatherford RSS assembly from 18,640' to 18,853' with an average ROP of 38.7 FPH. Parameters: 24-27 K WOB, 160 RPM, and 140 spm (493 gpm). Sending 20bbls of 30ppb LCM sweeps every other connection. No significant losses observed.		
Start Time			End Time			Comment		
05:30			06:00			Rig Service.		
Start Time			End Time			Comment		
06:00			17:30			Drill 475 of 8 1/2" Lateral with Weatherford RSS assembly from 18,853' to 19,328' with an average ROP of 41.3 FPH. Parameters: 24-27 K WOB, 160 RPM, and 140 spm (493 gpm). Sending 20bbls of 30ppb LCM sweeps as needed. No significant losses or seepage observed.		
Start Time			End Time			Comment		
17:30			18:00			Rig Service		
Start Time			End Time			Comment		
18:00			00:00			Drill 227 of 8 1/2" Lateral with Weatherford RSS assembly from 19,328' to 19,555' with an average ROP of 37.8 FPH. Parameters: 24-27 K WOB, 160 RPM, and 140 spm (493 gpm). Sending 20bbls of 30ppb LCM sweeps as needed. No significant losses or seepage observed.		
Report Start Date	Report End Date	24hr Activity Summary						
5/13/2014	5/14/2014	Drill 8 1/2" Lateral from 19,555' to 19,590' TD, Circ & Condition Hole. every Std. from 19,590' to 18,844' Rig Service, Wash & Ream to Btm. Circulate & Condition.						

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time	00:00	End Time	01:00	Comment Drill 37' of 8 1/2" Lateral with Weatherford RSS assembly from 19,553' to 19,590'(TD) with an average ROP of 37FPH. Parameters: 24-27 K WOB, 160 RPM, and 140 spm (493 gpm). Sending 20bbls of 30ppb LCM sweeps as needed. No significant losses or seepage observed.
Start Time	01:00	End Time	03:00	Comment (Start) Final Clean up Cycle with 137 spm(475gpm), 160 rpm, and working a full stand. Upon the completion of one bottoms up rack one stand back. Parameters at begining of clean up: Top Drive Torque-14 Kft-lbs Pump Pressure- 4900 psi w/137spm Rotating pick up-178 klbs Rotating slack off- 154 klbs
Start Time	03:00	End Time	08:00	Comment Pumps began to air up after pumping proactive LCM sweep. Trouble shoot pumps and go through both. Circulate with one pump at 120 spm for 2 bottoms up. Finish going through pumps and trouble shooting.
Start Time	08:00	End Time	17:30	Comment Circulate with 137 spm(475gpm), 160 rpm, and working a full stand. Upon the completion of one bottoms up rack one stand back. 76300/132000 Strokes completed(Currently on 7 out of 11 bottoms up). 4th- 20-30% coverage with fine cuttings. 5th-20-30% Coverage with fine cuttings. 6th-20-25% coverage with fine cuttings. 7th-20-25% coverage with fine cuttings.
Start Time	17:30	End Time	18:00	Comment Rig Service
Start Time	18:00	End Time	20:00	Comment Circulate with 137 spm(475gpm), 160 rpm, and working a full stand. Upon the completion of one bottoms up rack one stand back. 76300/132000 Strokes completed(Currently on 7 out of 11 bottoms up). 7th-20-25% coverage with fine cuttings. 8th-20-25% coverage with fine cuttings.
Start Time	20:00	End Time	00:00	Comment Wash back to Btm 19,590' Circulate 2 Btms. up @ 138 spm, 485 gpm, 160 rpm, reciprocating stand of DP 09th BU- 25% coverage of ultra fines. 10th BU- 15-25% coverage of ultra fines and some coarse cuttings. Parameters @ End of clean up Torque- 12-15 Kft-lbs Rotating PU- 160-190 klbs Rotating SO- 150 klbs Pump Pressure- 4900 psi
Report Start Date	5/14/2014	Report End Date	5/15/2014	24hr Activity Summary Finish Circulating, Backream out from 19,590' to 17,326'. Try pulling on elevators at 19,070', 18,182', and succesfully pulled at 17,326'.Next stand had to backream. Backream from 17,200' to 16,281'. Flow check and pump slug. Trouble shoot top drive during rig survice. TOOH from 16,281' to 8,620'. Cut Drlg. Line, LDDP f/8,620' to 3,500'

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time			End Time			Comment		
00:00			00:30			Finish clean up cycle. 11th BU- 15-25% coverage of ultra fines and some coarse cuttings. Parameters @ End of clean up Torque- 12-15 Kft-lbs Rotating PU- 160-190 klbs Rotating SO- 150 klbs Pump Pressure- 4900 psi		
Start Time			End Time			Comment		
00:30			05:30			(Start) Trip for casing. Back ream out to 17,600'. Tried on elevators at 19,070' and 18,182'.		
Start Time			End Time			Comment		
05:30			06:00			Rig service		
Start Time			End Time			Comment		
06:00			11:00			Back ream from 17,600' to 17,326'. Successfully pulled one stand at 17,326'. Could not pull on elevators at 17,223'. Back ream from 17,223' to 16,281'. Pull 6 more stands on elevators. Flow check, well static. Pump slug.		
Start Time			End Time			Comment		
11:00			11:30			Rig Service. Service rig while trouble shooting draw works. Lost communication from chair to drawworks. Reset updog house. Unplug and plug in communication line.		
Start Time			End Time			Comment		
11:30			16:30			Trip on elevators from 15,700' to 8,629'. Monitor well on trip tank. Take PU weights every 3 stands and SO every 12 stands.		
Start Time			End Time			Comment		
16:30			17:30			Slip and cut 135' of drill line.		
Start Time			End Time			Comment		
17:30			00:00			(Start)... LDDP from 8620' to 3500'		
Report Start Date	Report End Date	24hr Activity Summary						
5/15/2014	5/16/2014	LDDP f/3500' to BHA, LD BHA, Pull Wear Bushing, Safety Mtg., RU Casing Crew, Run 5.5" casing f/ Surface to 8,527'						
Start Time			End Time			Comment		
00:00			04:30			Cont. laying down drill pipe F/ 3500' to 88'. pull rotating head rubber.		
Start Time			End Time			Comment		
04:30			06:30			Lay Down lateral BHA. Bit had 2 broken cutters on nose and was still in gauge.		
Start Time			End Time			Comment		
06:30			08:00			Pull wear bushing. Clean obm off rig floor.		
Start Time			End Time			Comment		
08:00			10:30			(Start) Casing Operations- Hold PJSM with Pioneer, NFX, and Kimzey on rigging up. Rig up Kimzey casing crews. Spot in power unit. Pick up flush mounted slips, elevators, bales, power tongs, and misc equipment.		
Start Time			End Time			Comment		
10:30			11:00			Hold PJSM with Pioneer, NFX, and Kimzey on running casing.		
Start Time			End Time			Comment		
11:00			00:00			Running 5.5" BTC XP, P-110, 20# Casing f/ Surface to 8,527' Filled casing at 224' (Break Circ) Filled Casing at 2,100' (Break Circ) 50 Jts. Run Filled casing at 7,348' (Break Circ) 171 Jts Run Marker Jt. # 1 - Top of Jt. #100 Landed @ 15,335' Marker Jt. # 2 - Top of Jt. #171 Landed @ 12,340' (Making up casing @ 15 RPM per joint @ Deep Well Tread Reprs. orders)		
Report Start Date	Report End Date	24hr Activity Summary						
5/16/2014	5/17/2014	Running 5.5" Casing f/11,233' to 17,755', Tagged Fill, Wash casing down f/ 17,755' to 18,025'						

NEWFIELD



Summary Rig Activity

Well Name: Aubrey 1A-15-22-3-2WH

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Start Time	00:00	End Time	14:30	Comment
				Running 5.5" BTC XP, P-110, 20# Casing f/ 8,527 to 17755' Filled casing & Circulate Btrms. up @ 9,158' (5500 stks.) Filled Casing at 13,827', 16,980' Wash through tight spot at 17,755' Marker Jt. # 3 - Top of Jt. # 251 Landed @ 8,974' Marker Jt. # 4 - Top of Jt. # 285 Landed @ 7,541' (Making up casing @ 15 RPM per joint @ Deep Well Tread Reqs. orders)
Start Time	14:30	End Time	00:00	Comment
				Working casing @ 17,755' Attempt to wash down rotating @ 15 rpm, 90 spm 300 gpm. Wash down from 17,755' to 18,025'
Report Start Date	Report End Date	24hr Activity Summary		
5/17/2014	5/18/2014	Washing Casing Down f/ 18,025' to 18,300' ran csg. to 19,575' Land out RU CMT Head, Circ. Casing, RD Casing Crew, RU Cmt 5.5" Production csg. Bumped plug Floats held. SI Backside & Monitor. Start Cleaning Pits		
Start Time	00:00	End Time	04:30	Comment
				Cont. wash & reaming down rotating @ 15 rpm, 90 spm 300 gpm. Wash down from 18,025' to 18,303'. From 18,303' to 19542' Back on elevators with out pumping, install landing joint.
Start Time	04:30	End Time	05:30	Comment
				Rig down CRT tool f/ top drive, remove casing elevators & bails & extersions.
Start Time	05:30	End Time	06:00	Comment
				Rig Service.
Start Time	06:00	End Time	09:30	Comment
				Rig down kimzey casing's elevators, Bales, and slips. Install rig bales and elevators. Pick up GSI rotating cement head. Make up RCH with kimzey power tongs. Rig down slips and power tongs. Begin rigging up Halliburton cementers. Pull mandrel hanger 8 inches above bowl. Circulate bottoms up @ 90 spm (310gpm) and 15rpms with 12-13 Kft-lbs. Halliburton cementers are spot in and rigging up.
Start Time	09:30	End Time	10:00	Comment
				(Start) Cementing operations. Hold Pre-Job Safety meeting with HES, Pioneer, and NFX.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

Start Time 10:00	End Time 16:00	Comment Rig up HES hardlines to RCH. Pump cement as follows. 1.)Pump 10 bbls water through backside iron to test in-line equipment 2.)Pressure test cement lines to 7000 psi hold pressure while testing N2 3.)Pressure test N2 lines to 8000 psi (bleed off in reverse order) 3..A Pump 5 bbls of Tuned Spacer III with Surfactants 15.0 ppg 3.)B. Shut down and dropped bottom plug 4.)Pump 35 bbls of Tuned Spacer™ III with surfactant at 15.0 ppg – 5 bpm 5.)Pump 356.6 bbls of TergoVis™ I – 4 bpm 1.)15.4 ppg, 1.41 ft3/sk, 7.34 gal/sk 6.)Pump 91.4 bbls (450 sks) of Conventional Lead Cement – 4 bpm 1.)15.4 ppg, 1.42 ft3/sk, 4.89 gal/sk 2.)Bring on foamer at 80 bbls away – 144 gal needed for job 3.)Bring on N2 at begining of foamed lead 95 bbls away 7.)Pump 401.7 bbls (1430 sks) of foamed lead – 4 bpm 1.)Mixed at 17.5 ppg, 1.43 ft3/sk, 4.99 gal/sk 2.)Foamed to 15.7 ppg, 1.59 ft3/sk 8.)Pump 12.7 bbls (50 sks) of unfoamed tail – 4 bpm 1.)17.5 ppg, 1.43 ft3/sk, 4.99 gal/sk 9.)Shutdown, wash up to small three sided tank, drop Top Plug 10.)Pump 10 bbls of MMCR – 5 bpm 5 Gal 11.)Pump 405 bbls of Cla-Web, Aldacide, Anhib II at 5 bpm 1.) Full returns throughout cement job. 2.) Pressure climbed to 5100 psi with 5.0 bpm at 30 bbls into displacement. Raised max pressure to 5500 psi. 3.) Pressure continued to climb and was at 5,500 psi with at 200 bbls away. Raised max pressure to 6,000psi 4.) Pressure held through rest of job at 4800 psi. Increased to 5 bpm with the rest of displacement and to land the plug.. 2.) All of 8 bbls of Tuned Spacer back to surface . 3.) Continued displacement @ 5 bpm. 4.)Bumped plug 500psi over FCP(4,900psi) 3 bbls early 5.)Held Pressure for 5mins. Bled back 8.5bbls. 6.)Could not rotate casing through job. held 19Kft-lbs. while bleeding off pressure and checking floats casing began to rotate at 15rpm and 12Kft-lbs. let rotate for 5 minutes 12.)Shut in well and monitor annular pressures
Start Time 16:00	End Time 17:30	Comment Flush stack, gas buster, Shit in well, Hold pressure on backside. rig down hallibuton , 4-C on loc. cleaning mud tanks, rigging down peak, break out & lay down HES cement head, while WOC, Pressure built to 825 psi over four hours.
Start Time 17:30	End Time 18:00	Comment Rig Service.
Start Time 18:00	End Time 00:00	Comment (Start)... Pit Cleaning 4-C on loc. cleaning mud tanks, rigging down peak, break out Back yard while WOC, Bleed Pressure off and opened up, Backside flowing 2-3 bpm SI w/ Choke & monitor- built to 425 psi over 2 hrs + Bleed off press. while monitoring.
Report Start Date 5/18/2014	Report End Date 5/19/2014	24hr Activity Summary Clean Pits while monitoring Backside, Rig Down Backyard & ND BOP Set BPV, Wellhead & Test, Haule 28 Loads to new location, LDDP in Mouse hole.

NEWFIELD**Summary Rig Activity****Well Name: Aubrey 1A-15-22-3-2WH**

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Start Time 00:00	End Time 09:30	Comment 4-C on loc. cleaning mud tanks, rigging down peak, Bleed Pressure off and opened up, Backside flowing 2-3 bpm SI w/ Choke & monitor- built to 425 psi over 2 hrs + Bleed off press.several times, while monitoring pressure. Opened up bleed down for 3 hrs. Bleed down @ 10:30 am While WOC, Break out Back yard start Rigging down hoses elec. lines, Flush Stack Remove Wind walls while waiting on flow to die off.) HPJSM, @ 05:30 am W/JD Trucking, Mountain West, EM, & NFX, C&G Electric, & Poineer rig crews, Overview Road conditions, Stop Work, overall Safety expectations, Plan forward & Goals set for today. Rig down camps move same to new location, Hauled 3 pumps 2- to new location, spare pump back to Pioneer yard, hauled mud pits, shakers, and hauled off Centrifuges to yard for replacement, Hauled Choke house, Zeco Vacuum, Gas Buster, Bar Hoppers & Cement Hoppers.
Start Time 09:30	End Time 11:00	Comment (Start)... Nipple down BOP and flow line, choke line, Kill Line, Koomey, LD Bop
Start Time 11:00	End Time 14:30	Comment (Start)...NU Wellhead Back out of hanger, LD Hanger & Head Rubber. Set BPV & Pack-off, Verified landing Pins and tightened Gland Nuts, Set cover and test void to 10K psi f/ 10 min. RD tools.
Start Time 14:30	End Time 15:00	Comment Rig Service
Start Time 15:00	End Time 00:00	Comment (Start)... LDDP in Mouse Hole, from Std. # 108 to # 78 Std. Total loads hauled 28 loads, Equipment on Location: 2 pole trucks, 3 bed trucks, 5 haul truck, 2 forklifts 1 Crane, 2 Pushers, 2 Pilots, Poineer had 2 crews on days, 1 Crew on nights.Held

Report Start Date 5/19/2014	Report End Date 5/20/2014	24hr Activity Summary LDDP Remainder of DP in Mouse hole, Clean Floor and Prep for Derrick Scoping. Rig Released @ 18:00 Hrs 5/19/14
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Start Time 00:00	End Time 18:00	Comment Cont. LDDP in Mouse Hole, from Std. # 78 to Last Std. Total 7,780' (Jts. Very Tight Breaking W/ Tongs) Clean Floor Prep For Rig Move. Rig Release @ 18:00 Hrs 5/19/14 Total loads hauled 7 loads, Equipment on Location: 1 pole trucks, 1 bed trucks, 3 haul truck, 2 forklifts 0 Crane, 2 Pushers, 0 Pilots, Poineer had 2 crews on days, 1 Crew on nights.Held
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