API Well Number: 43013521070000

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 Jorgensen 2-4-9-3-2WH
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** UNDESIGNATED
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY	**7. OPERATOR PHONE** 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052	**9. OPERATOR E-MAIL** mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-6269	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ◉ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ○ FEE ◉	
13. NAME OF SURFACE OWNER (if box 12 = 'fee') John Dawson Jorgensen & Edith Louise Jorgensen	**14. SURFACE OWNER PHONE (if box 12 = 'fee')** 435-722-3171
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') RR Box 2151, 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 ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ○ DIRECTIONAL ○ HORIZONTAL ◉	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	231 FNL 1360 FEL	NWNE	4	3.0 S	2.0 W	U
Top of Uppermost Producing Zone	330 FNL 1980 FEL	NWNE	4	3.0 S	2.0 W	U
At Total Depth	330 FSL 1980 FEL	SWSE	9	3.0 S	2.0 W	U

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 231	**23. NUMBER OF ACRES IN DRILLING UNIT** 40
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3275	**26. PROPOSED DEPTH** MD: 19162 TVD: 8954
27. ELEVATION - GROUND LEVEL 5341	**28. BOND NUMBER** WYB000493	**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	8.4	Type III	120	3.33	11.0
							Type III	420	1.9	13.0
I1	12.25	9.625	0 - 9035	40.0	N-80 Buttress	10.5	35/65 Poz	734	3.53	11.0
							50/50 Poz	515	1.29	14.0
PROD	8.75	5.5	0 - 19162	20.0	P-110 Other	14.5	No Used	0	0.0	0.0
							No Used	0	0.0	0.0

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Don Hamilton	**TITLE** Permitting Agent	**PHONE** 435 719-2018
SIGNATURE	**DATE** 03/21/2013	**EMAIL** starpoint@etv.net

API NUMBER ASSIGNED 43013521070000	**APPROVAL** Permit Manager

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Newfield Production Company
2-4-9-3-2WH
Surface Hole Location: 231' FNL, 1360' FEL, Section 4, T3S, R2W
Bottom Hole Location: 330' FSL, 1980' FEL, Section 9, T3S, R2W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	4,252'
Garden Gulch member	7,190'
Uteland Butte member	9,378'
Lateral TD	8,954' TVD / 19,162' MD

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

Base of moderately saline	1,655'		(water)
Green River	7,190'	- 9,378'	(oil)
Uteland Butte member	9,378'	- 8,954'	(oil)

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3. Pressure Control

Section	BOP Description
Surface	12-1/4" Diverter
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.
Prod/Prod Liner	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system. A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Conductor 20	0'	60'	--	--	Weld	--	--	--	--	--	--
									--	--	--
Surface 13 3/8	0'	1,500'	54.5	J-55	STC	8.33	8.4	14	2,730	1,130	514,000
									2.68	2.24	6.29
Intermediate 9 5/8	0'	8,993' 9,035'	40	N-80	BTC	10	10.5	15	5,750	3,090	916,000
									1.02	1.26	2.55
Production 5 1/2	0'	8,954' 19,162'	20	P-110	BTC	14	14.5	16	12,360	11,080	641,000
									2.20	1.89	1.67

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Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Intermediate casing MASP = (reservoir pressure) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
Intermediate collapse calculations assume 50% evacuated
Maximum intermediate csg collapse load assumes loss of mud to a fluid level of 4,497'
Intermediate csg run from surface to 8,993' and will not experience full evacuation
Production csg run from surface to TD will isolate intermediate csg from production loads
Production csg withstands burst and collapse loads for anticipated production conditions
Surface & production collapse calcs assume fully evacuated casing w/ a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

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

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	24	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	66 / 57	15%	15.8	1.17
Surface Lead	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399 / 120	15%	11.0	3.33
Surface Tail	17 1/2	1,000'	Varicem (Type III) + .125 lbs/sk Cello Flakes	799 / 420	15%	13.0	1.9
Intermediate Lead	12 1/4	7,190'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	2590 / 734	15%	11.0	3.53
Intermediate Tail	12 1/4	1,845'	50/50 Poz/Class G + 1% bentonite	665 / 515	15%	14.0	1.29
-- --	--	--	--	-- / --	--	--	--
-- --	--	--	--	-- / --	--	--	--

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

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

The 5.5" production string will be left uncemented and run from surface to TD. Individual frac stages will be isolated with open hole packers.

This well will not be perforated or produced outside the legal setbacks

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.

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1,500'	- 9,035'	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 10.5 ppg.

9,035'	- 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). All cuttings will be dried and centrifuged so that they can be easily transferred to a lined cuttings pit with little to no free fluid on them. The cuttings will be mixed with fly ash prior to transportation to a location on Newfield owned surface. Once on Newfield owned surface, the cuttings will be treated with the previously approved FIRMUS process and used as a construction material on future location and/or roads on Newfield owned surface. The cuttings may also be transported to a state approved disposal facility.

Anticipated maximum mud weight is 14.5 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 and or intermediate casing.

Cores: As deemed necessary.

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

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8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.73 psi/ft gradient.

8,954' x 0.73 psi/ft = 6518.5 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

The lateral of this well will target the Uteland Butte member of the Green River formation
After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 9,070'
Directional tools will then be used to build to 92.81 degrees inclination.
The lateral will be drilled to the bottomhole location shown on the plat. A 5-1/2" Long string will be run from TD to Surface. An open hole completion system with a series of open hole packers & sliding sleeves will be used to provide multi-stage frac isolation in the lateral. A Casing Packer will be placed at the 9-5/8" Shoe and a swell packer at the heal of the well for casing stability and frac isolation.

Newfield requests the following variances from Onshore Order #2:

- Variance from Onshoer Order #2, III.E.1
  Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

If oil based mud (OBM) is used and If 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.

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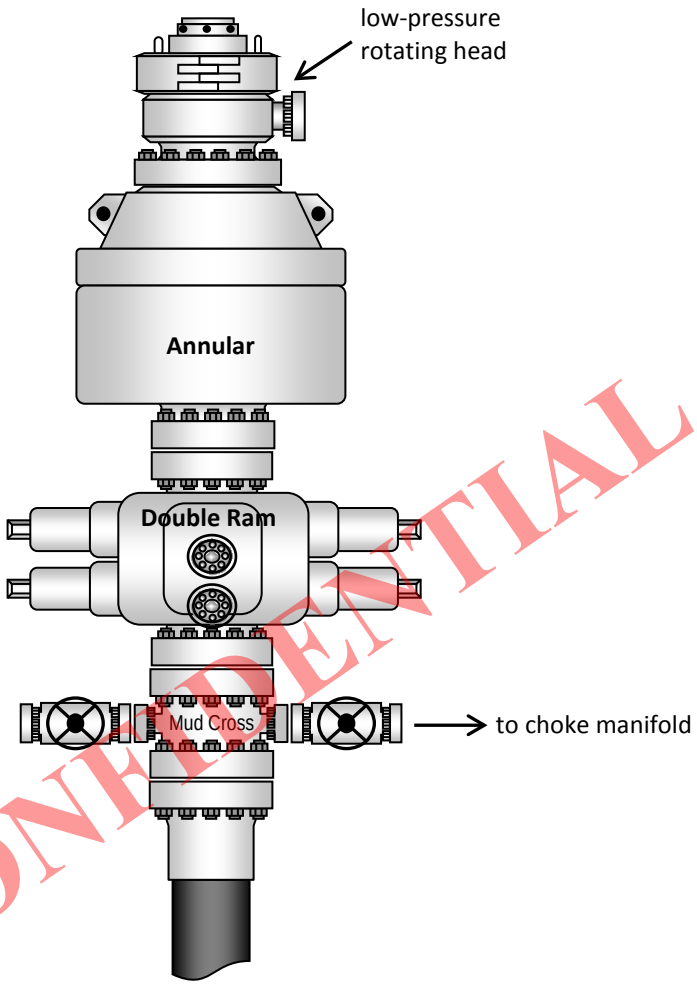
RECEIVED: July 09, 2013

Typical 5M BOP stack configuration



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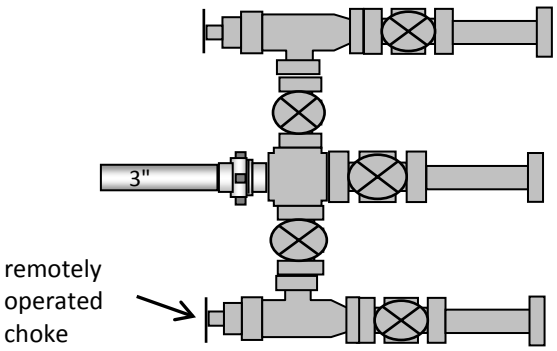
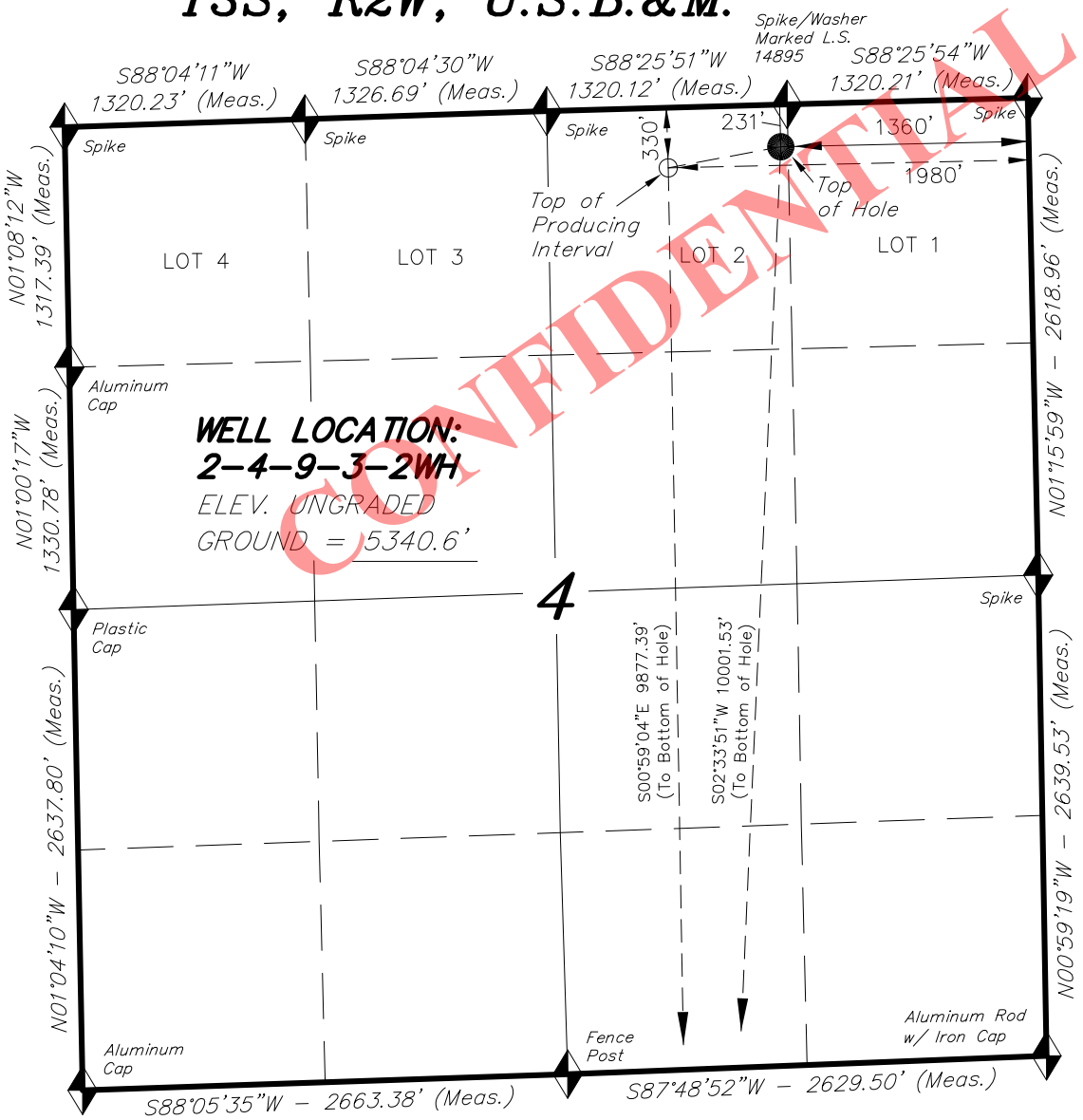
Typical 5M choke manifold configuration



RECEIVED: July 09, 2013

API Well Number: 43013521070000

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



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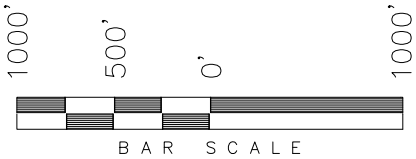
= SECTION CORNERS LOCATED

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

NAD 83 (TOP OF PROD. INTERVAL)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°15'26.67" LONGITUDE = 110°06'44.62"	LATITUDE = 40°15'27.72" LONGITUDE = 110°06'36.64"
NAD 27 (TOP OF PROD. INTERVAL)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°15'26.82" LONGITUDE = 110°06'42.08"	LATITUDE = 40°15'27.87" LONGITUDE = 110°06'34.10"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 2-4-9-3-2WH, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 (LOT 2) OF SECTION 4, T3S, R2W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Top of Producing Interval bears S79°23'35"W 627.90' from the Top of Hole.

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

REGISTERED LAND SURVEYOR No.189377 11-19-12 STACY W. STEWART STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

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

DATE SURVEYED: 10-14-12	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 03-13-12	DRAWN BY: R.B.T.	V2
REVISED: 11-19-12 V.H.	SCALE: 1" = 1000'	

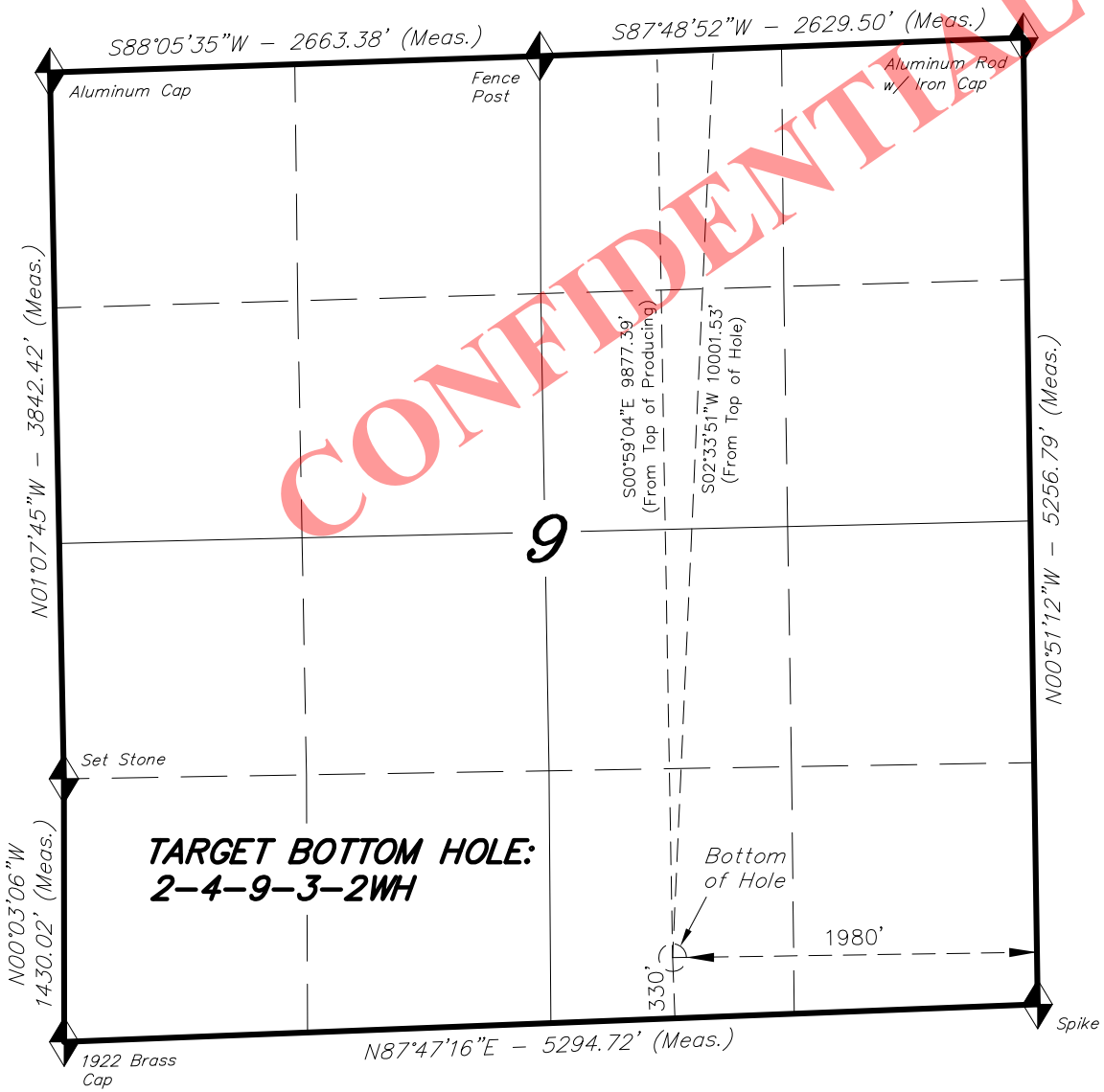
RECEIVED: March 21, 2013

API Well Number: 43013521070000

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

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, 2-4-9-3-2WH,
LOCATED AS SHOWN IN THE SW 1/4 SE
1/4 OF SECTION 9, T3S, R2W, U.S.B.&M.
DUCHESNE COUNTY, UTAH.



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1000' 500' 0' 1000'
BAR SCALE

N

NOTES:

1. *Well footages are measured at right angles to the Section Lines.*
2. *Bearings are based on Global Positioning Satellite observations.*

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REGISTERED LAND SURVEYOR No.189377 11-19-12 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No.
STATE OF UTAH

= SECTION CORNERS LOCATED

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

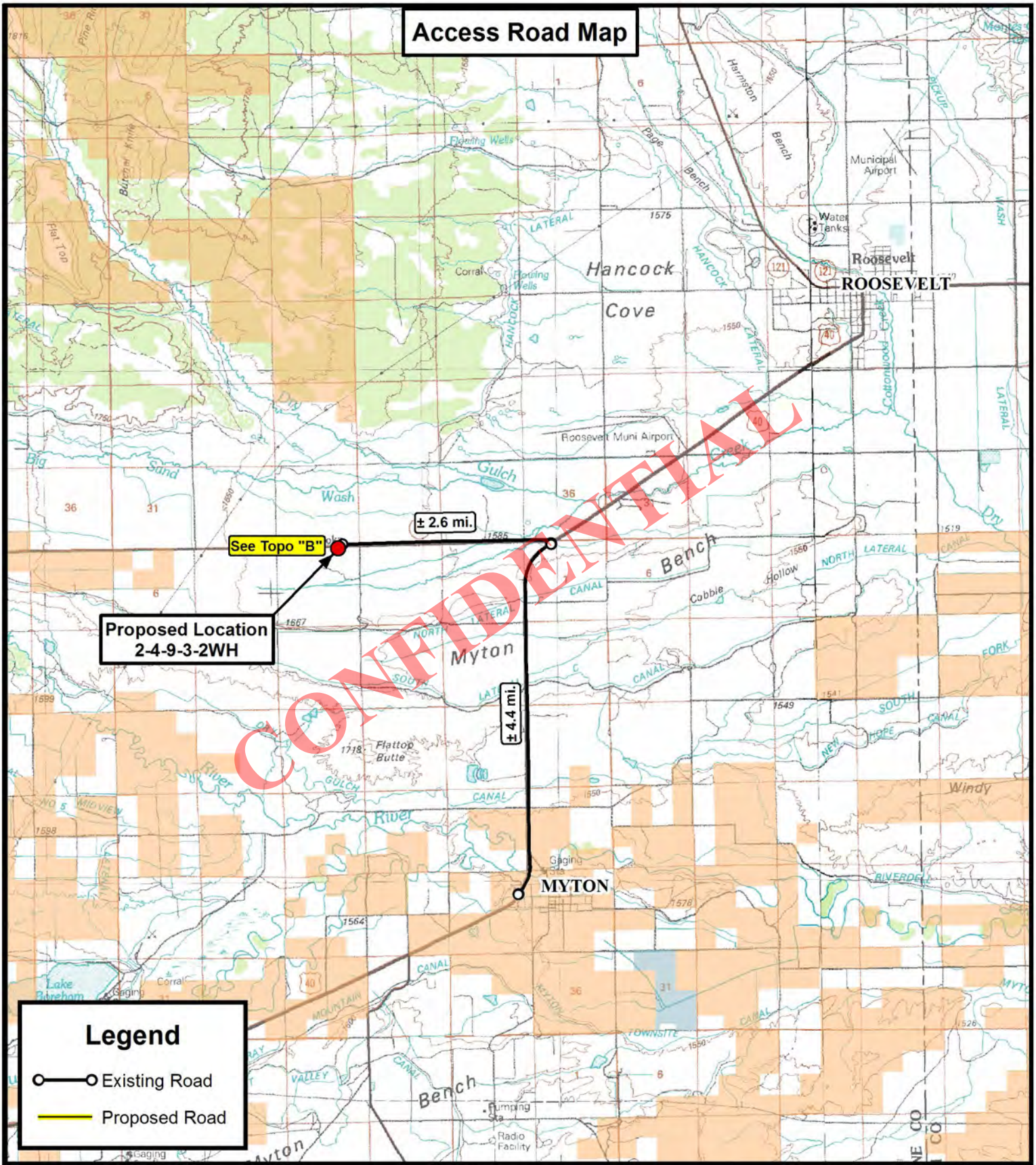
NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°13'49.09"
LONGITUDE = 110°06'44.41"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°13'49.24"
LONGITUDE = 110°06'41.86"

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

DATE SURVEYED: 10-14-12	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 03-13-12	DRAWN BY: R.B.T.	V2
REVISED: 11-19-12 V.H.	SCALE: 1" = 1000'	

RECEIVED: March 21, 2013

API Well Number: 43013521070000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

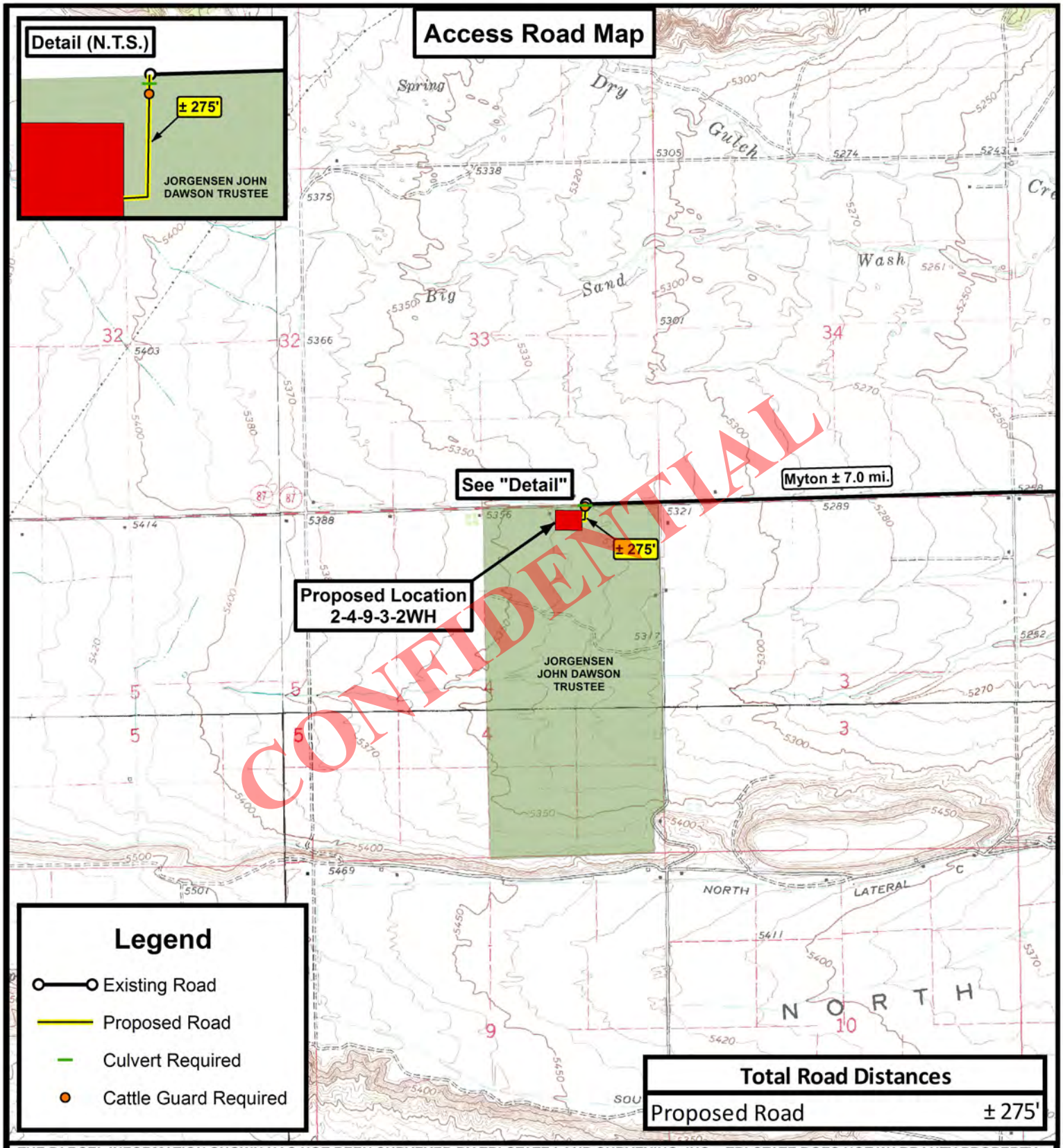
2-4-9-3-2WH
SEC. 4, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	11-19-12 D.C.R.	VERSION:
DATE:	03-13-2012			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013521070000



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

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

2-4-9-3-2WH
SEC. 4, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

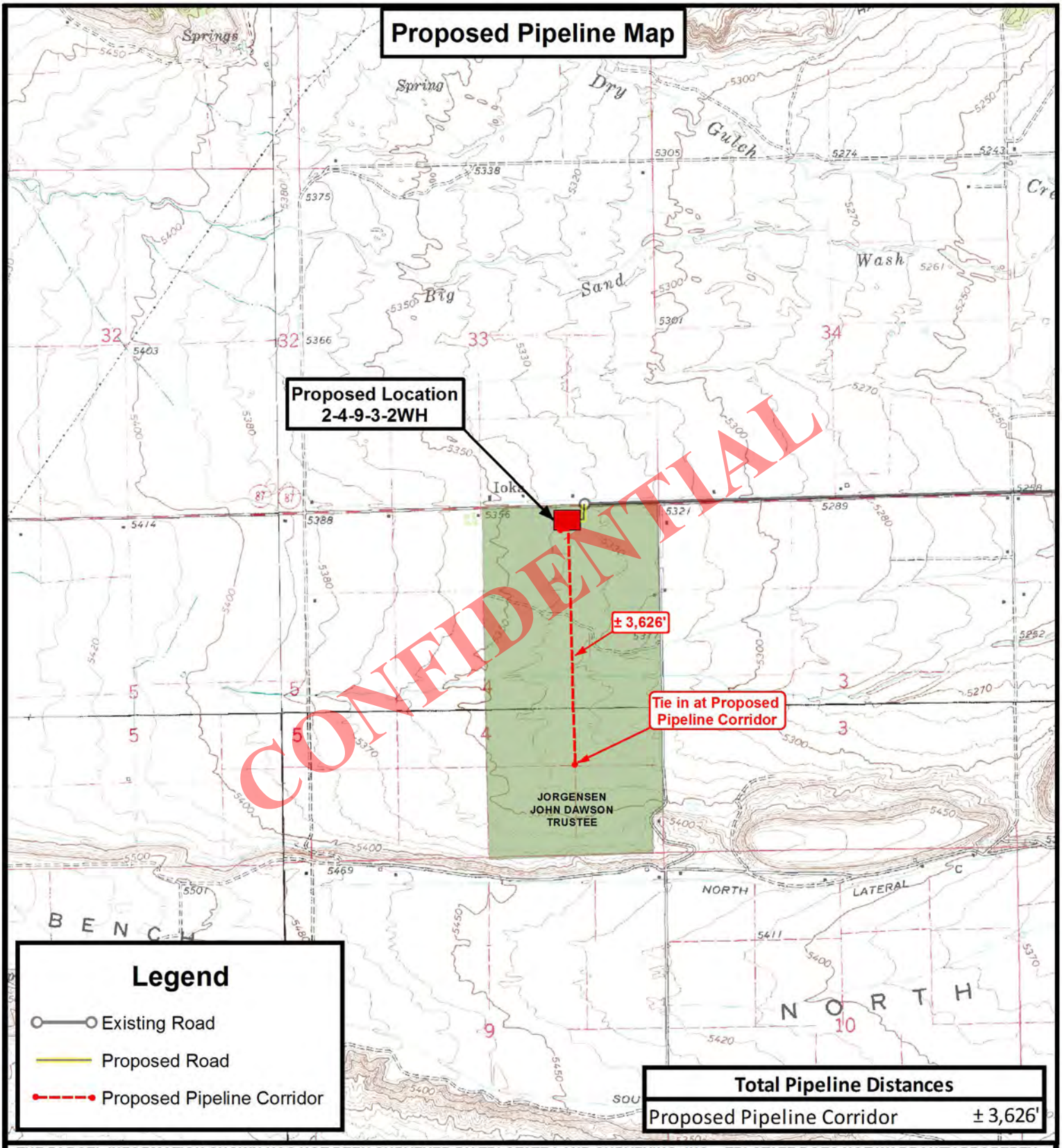
DRAWN BY:	D.C.R.	REVISED:	11-19-12 D.C.R.	VERSION:
DATE:	03-13-2012			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013521070000

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road
- Proposed Pipeline Corridor

Total Pipeline Distances	
Proposed Pipeline Corridor	± 3,626'

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Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

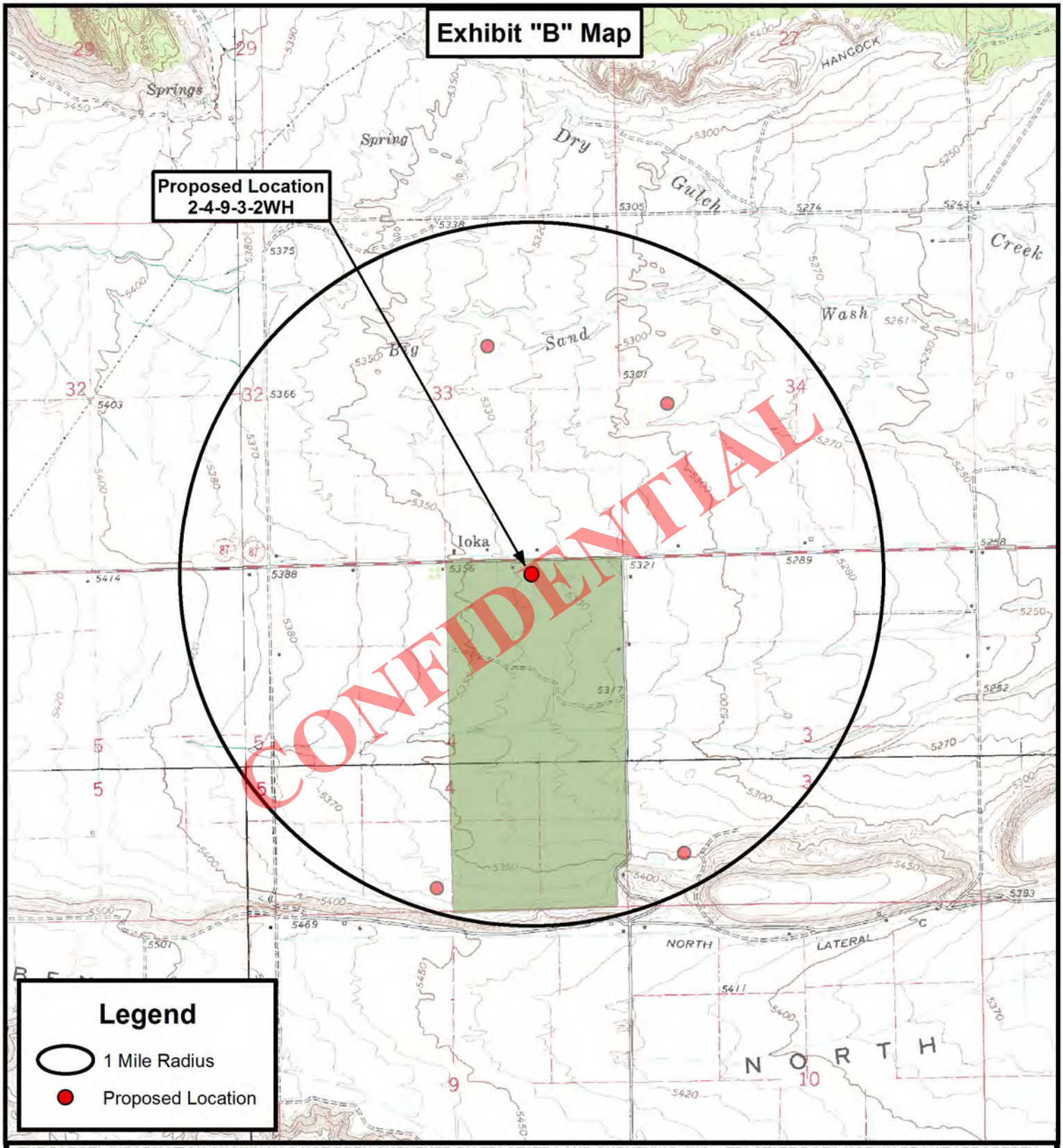
2-4-9-3-2WH
SEC. 4, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	11-19-12 D.C.R.	VERSION:
DATE:	03-13-2012			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013521070000



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

NEWFIELD EXPLORATION COMPANY

2-4-9-3-2WH
SEC. 4, T3S, R2W, U.S.B.&M.
Duchesne County, UT.

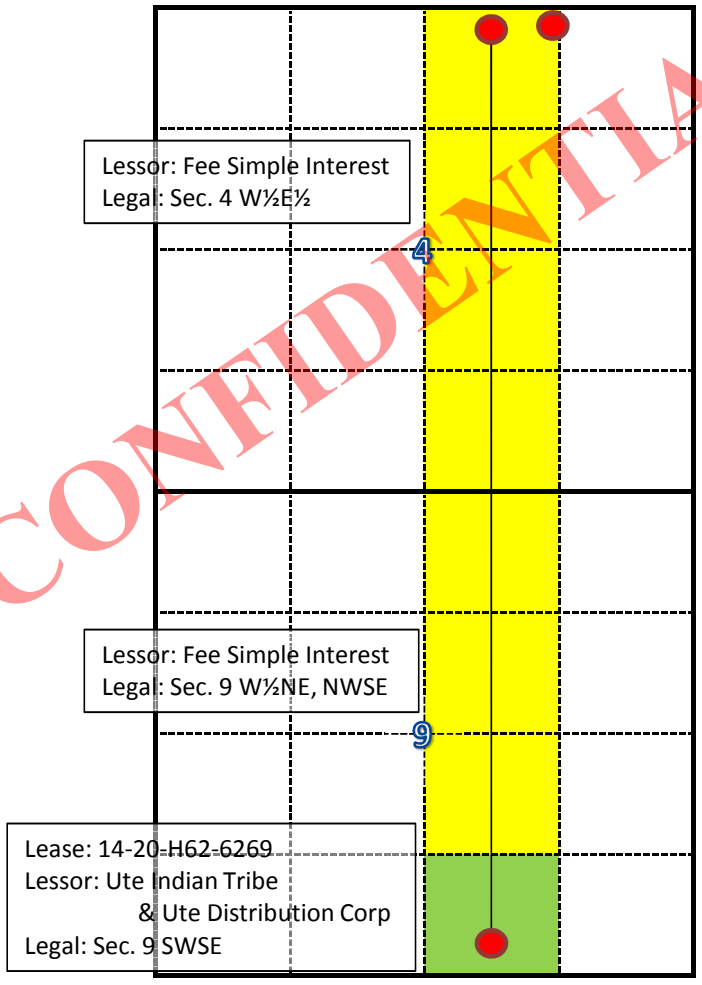
DRAWN BY:	D.C.R.	REVISED:	11-19-12 D.C.R.	VERSION:
DATE:	03-13-2012			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET D

Jorgensen 2-4-9-3-2WH

SHL 231' FNL & 1360' FEL of Section 4
Top of Producing Interval 330' FSL & 1980' FEL of Section 4
BHL 330' FNL & 1980' FEL of Section 9



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RECEIVED: March 21, 2013

API Well Number: 43013521070000

LEAM Drilling Systems, Inc.
FOR
NEWFIELD EXPLORATION ROCKY MOUNTAINS
WELL: 2-4-9-3-2WH JORGENSEN (PLAN: Rev00)
SEC. 4, T3S-R2W, DUCHESNE COUNTY, UTAH
RIG NAME: PIONEER 78 (KB= 28')
JULY 03, 2013 -- WELL PLAN PLOT

NEWFIELD ROCKY MOUNTAINS

LEAM Drilling Systems LLC

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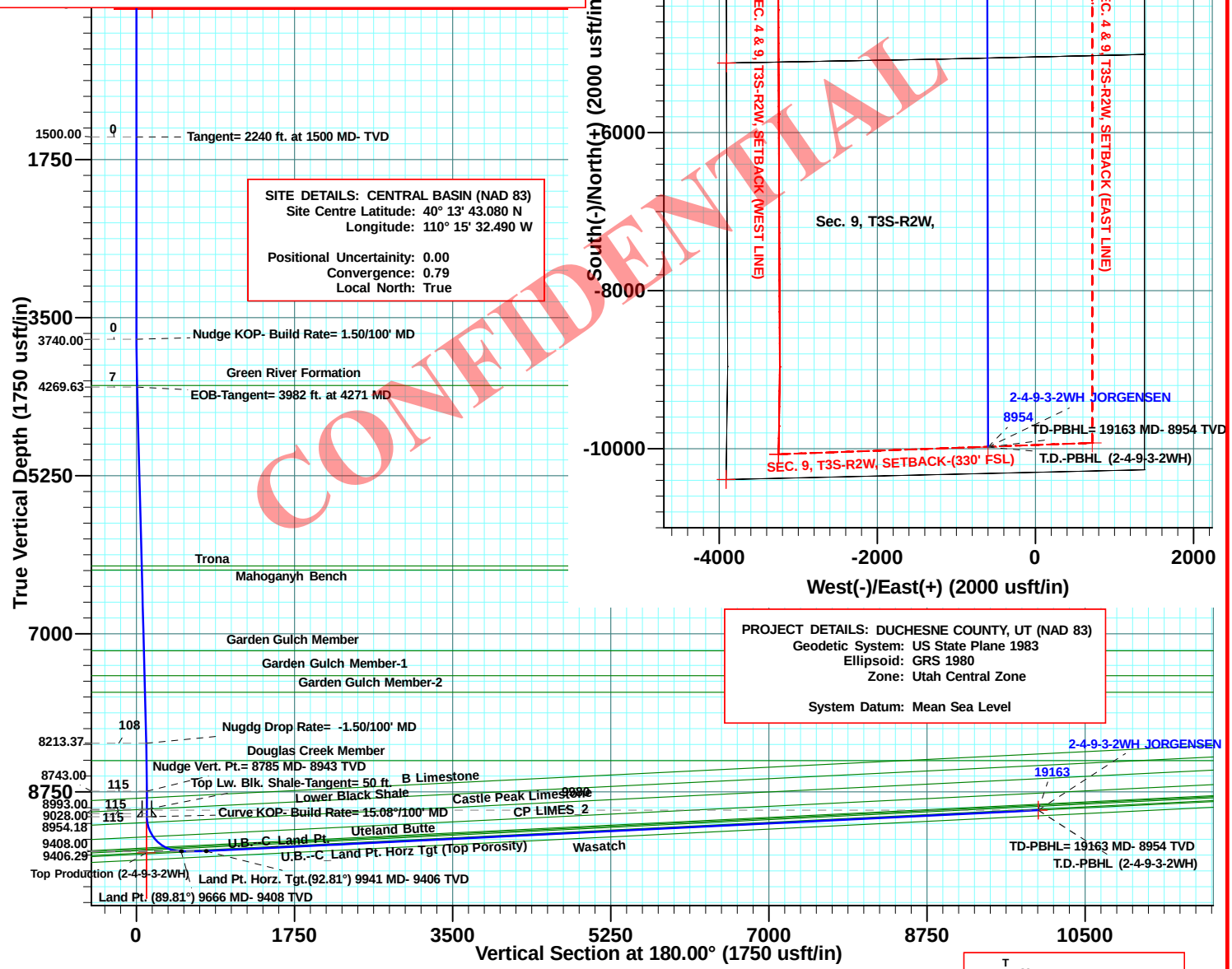
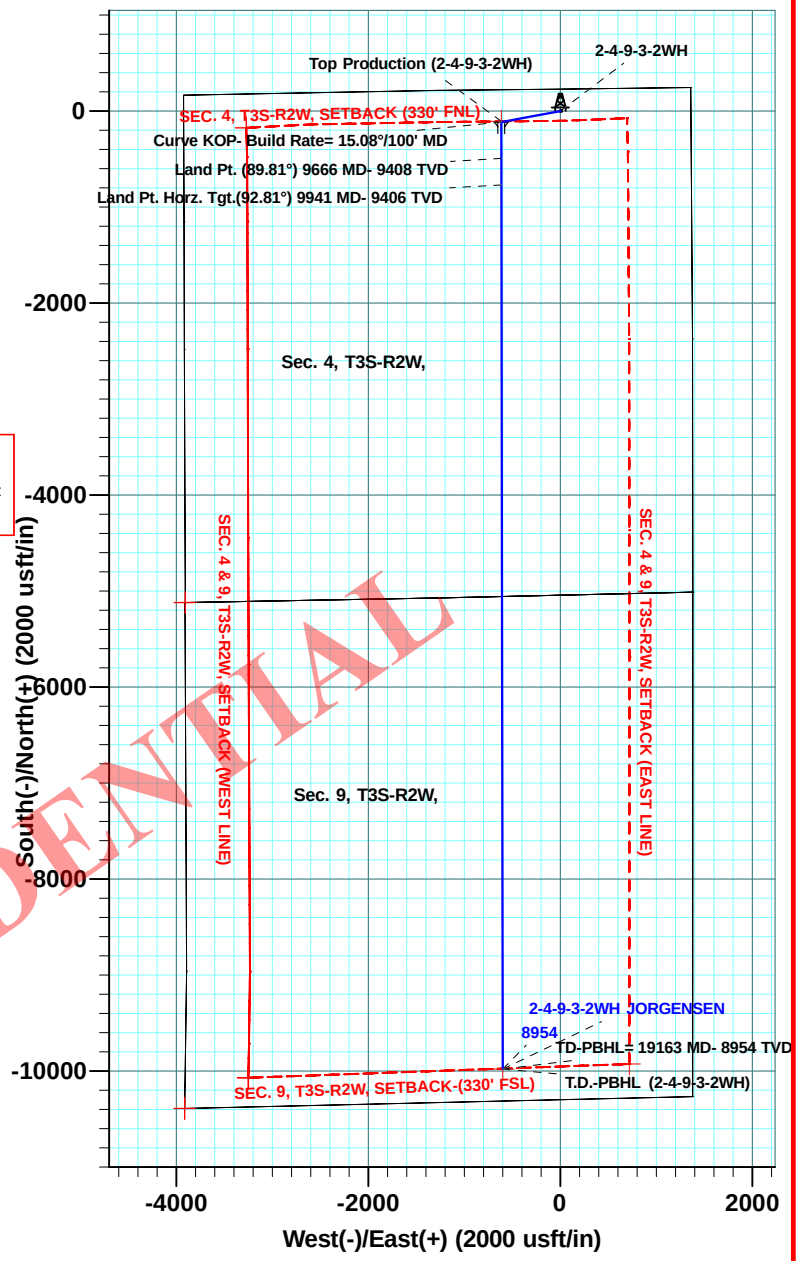
WELL DETAILS: 2-4-9-3-2WH
Ground Level: 5341.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7265610.00	2028279.65	40° 15' 27.744 N	110° 6' 36.663 W	

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





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

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00		Tangent= 2240 ft. at 1500 MD- TVD
3740.00	0.00	0.00	3740.00	0.00	0.00	0.00	0.00	0.00		Nudge KOP- Build Rate= 1.50/100' MD
4271.34	7.97	259.41	4269.63	-6.78	-36.27	1.50	259.41	6.78		EOB-Tangent= 3982 ft. at 4271 MD
8253.55	7.97	259.41	8213.37	-108.22	-579.03	0.00	0.00	108.22		Nugdg Drop Rate= -1.50/100' MD
8784.89	0.00	0.00	8743.00	-115.00	-615.30	1.50	180.00	115.00		Nudge Vert. Pt.= 8785 MD- 8943 TVD
8984.89	0.00	0.00	8943.00	-115.00	-615.30	0.00	0.00	115.00		Top Lw. Blk. Shale-Tangent= 50 ft.
9034.89	0.00	0.00	8993.00	-115.00	-615.30	0.00	0.00	115.00		Casing- Tangent= 35 ft.
9069.89	0.00	0.00	9028.00	-115.00	-615.30	0.00	0.00	115.00		Curve KOP- Build Rate= 15.08°/100' MD
9665.54	89.81	179.91	9408.00	-493.74	-614.71	15.08	179.91	493.74		Land Pt. (89.81°) 9666 MD- 9408 TVD
9840.54	89.81	179.91	9408.58	-668.74	-614.43	0.00	0.00	668.74		Curve Build Rate= 3.00/100' MD
9940.54	92.81	179.91	9406.29	-768.70	-614.27	3.00	0.00	768.70		Land Pt. Horz. Tgt.(92.81°) 9941 MD- 9406 TVD
19162.79	92.81	179.91	8954.18	-9979.86	-599.80	0.00	0.00	9979.86		TD-PBHL= 19163 MD- 8954 TVD

Azimuths to True North
Magnetic North: 11.10°

Magnetic Field
Strength: 52177.8snT
Dip Angle: 65.91°
Date: 7/3/2013
Model: IGRF2010

Plan: 2-4-9-3-2WH Jorgensen Rev00 (2-4-9-3-2WH/2-4-9-3-2WH JORGENSEN)
Created By: Chad Dubois Date: 14:15, July 03 2013

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

RECEIVED: July 09, 2013

NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

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 2-4-9-3-2WH, JORGENSEN

Well Position	**+N/-S**	10,625.23 usft	**Northing:**	7,265,610.00 usft	**Latitude:**	40° 15' 27.744 N
	+E/-W	41,539.44 usft	**Easting:**	2,028,279.65 usft	**Longitude:**	110° 6' 36.663 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,369.00 usft	**Ground Level:**	5,341.00 usft

Wellbore 2-4-9-3-2WH JORGENSEN

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/3/2013	11.10	65.91	52,178

Design 2-4-9-3-2WH Jorgensen Rev00

Audit Notes:

Version:	Rev00	**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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,740.00	0.00	0.00	3,740.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,271.34	7.97	259.41	4,269.63	-6.78	-36.27	1.50	1.50	0.00	259.41	
8,253.55	7.97	259.41	8,213.37	-108.22	-579.03	0.00	0.00	0.00	0.00	
8,784.89	0.00	0.00	8,743.00	-115.00	-615.30	1.50	-1.50	0.00	180.00	
8,984.89	0.00	0.00	8,943.00	-115.00	-615.30	0.00	0.00	0.00	0.00	
9,034.89	0.00	0.00	8,993.00	-115.00	-615.30	0.00	0.00	0.00	0.00	
9,069.89	0.00	0.00	9,028.00	-115.00	-615.30	0.00	0.00	0.00	0.00	
9,665.54	89.81	179.91	9,408.00	-493.74	-614.71	15.08	15.08	0.00	179.91	
9,840.54	89.81	179.91	9,408.58	-668.74	-614.43	0.00	0.00	0.00	0.00	
9,940.54	92.81	179.91	9,406.29	-768.70	-614.27	3.00	3.00	0.00	0.00	
19,162.79	92.81	179.91	8,954.18	-9,979.86	-599.80	0.00	0.00	0.00	0.00	T.D.-PBHL (2-4-9-3

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NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

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Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

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
Tangent= 2240 ft. at 1500 MD- TVD									
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
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,740.00	0.00	0.00	3,740.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge KOP- Build Rate= 1.50/100' MD									
3,800.00	0.90	259.41	3,800.00	-0.09	-0.46	0.09	1.50	1.50	0.00
3,900.00	2.40	259.41	3,899.95	-0.62	-3.29	0.62	1.50	1.50	0.00
4,000.00	3.90	259.41	3,999.80	-1.63	-8.69	1.63	1.50	1.50	0.00
4,100.00	5.40	259.41	4,099.47	-3.11	-16.66	3.11	1.50	1.50	0.00
4,200.00	6.90	259.41	4,198.89	-5.08	-27.19	5.08	1.50	1.50	0.00
4,253.55	7.70	259.41	4,252.00	-6.33	-33.88	6.33	1.50	1.50	0.00
Green River Formation									
4,271.34	7.97	259.41	4,269.63	-6.78	-36.27	6.78	1.50	1.50	0.00
EOB-Tangent= 3982 ft. at 4271 MD									
4,300.00	7.97	259.41	4,298.01	-7.51	-40.17	7.51	0.00	0.00	0.00

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NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

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)
4,400.00	7.97	259.41	4,397.05	-10.06	-53.80	10.06	0.00	0.00	0.00
4,500.00	7.97	259.41	4,496.08	-12.60	-67.43	12.60	0.00	0.00	0.00
4,600.00	7.97	259.41	4,595.11	-15.15	-81.06	15.15	0.00	0.00	0.00
4,700.00	7.97	259.41	4,694.15	-17.70	-94.69	17.70	0.00	0.00	0.00
4,800.00	7.97	259.41	4,793.18	-20.25	-108.32	20.25	0.00	0.00	0.00
4,900.00	7.97	259.41	4,892.22	-22.79	-121.95	22.79	0.00	0.00	0.00
5,000.00	7.97	259.41	4,991.25	-25.34	-135.58	25.34	0.00	0.00	0.00
5,100.00	7.97	259.41	5,090.28	-27.89	-149.21	27.89	0.00	0.00	0.00
5,200.00	7.97	259.41	5,189.32	-30.44	-162.84	30.44	0.00	0.00	0.00
5,300.00	7.97	259.41	5,288.35	-32.98	-176.47	32.98	0.00	0.00	0.00
5,400.00	7.97	259.41	5,387.39	-35.53	-190.10	35.53	0.00	0.00	0.00
5,500.00	7.97	259.41	5,486.42	-38.08	-203.73	38.08	0.00	0.00	0.00
5,600.00	7.97	259.41	5,585.45	-40.62	-217.36	40.62	0.00	0.00	0.00
5,700.00	7.97	259.41	5,684.49	-43.17	-230.99	43.17	0.00	0.00	0.00
5,800.00	7.97	259.41	5,783.52	-45.72	-244.62	45.72	0.00	0.00	0.00
5,900.00	7.97	259.41	5,882.56	-48.27	-258.25	48.27	0.00	0.00	0.00
6,000.00	7.97	259.41	5,981.59	-50.81	-271.88	50.81	0.00	0.00	0.00
6,100.00	7.97	259.41	6,080.62	-53.36	-285.51	53.36	0.00	0.00	0.00
6,200.00	7.97	259.41	6,179.66	-55.91	-299.14	55.91	0.00	0.00	0.00
6,271.03	7.97	259.41	6,250.00	-57.72	-308.82	57.72	0.00	0.00	0.00
Trona									
6,300.00	7.97	259.41	6,278.69	-58.46	-312.77	58.46	0.00	0.00	0.00
6,317.48	7.97	259.41	6,296.00	-58.90	-315.15	58.90	0.00	0.00	0.00
Mahoganyh Bench									
6,400.00	7.97	259.41	6,377.73	-61.00	-326.40	61.00	0.00	0.00	0.00
6,500.00	7.97	259.41	6,476.76	-63.55	-340.03	63.55	0.00	0.00	0.00
6,600.00	7.97	259.41	6,575.79	-66.10	-353.66	66.10	0.00	0.00	0.00
6,700.00	7.97	259.41	6,674.83	-68.65	-367.29	68.65	0.00	0.00	0.00
6,800.00	7.97	259.41	6,773.86	-71.19	-380.92	71.19	0.00	0.00	0.00
6,900.00	7.97	259.41	6,872.90	-73.74	-394.55	73.74	0.00	0.00	0.00
7,000.00	7.97	259.41	6,971.93	-76.29	-408.18	76.29	0.00	0.00	0.00
7,100.00	7.97	259.41	7,070.96	-78.84	-421.81	78.84	0.00	0.00	0.00
7,200.00	7.97	259.41	7,170.00	-81.38	-435.44	81.38	0.00	0.00	0.00
7,220.20	7.97	259.41	7,190.00	-81.90	-438.19	81.90	0.00	0.00	0.00
Garden Gulch Member									
7,300.00	7.97	259.41	7,269.03	-83.93	-449.07	83.93	0.00	0.00	0.00
7,400.00	7.97	259.41	7,368.07	-86.48	-462.70	86.48	0.00	0.00	0.00
7,497.88	7.97	259.41	7,465.00	-88.97	-476.04	88.97	0.00	0.00	0.00
Garden Gulch Member-1									
7,500.00	7.97	259.41	7,467.10	-89.03	-476.33	89.03	0.00	0.00	0.00
7,600.00	7.97	259.41	7,566.13	-91.57	-489.95	91.57	0.00	0.00	0.00
7,683.67	7.97	259.41	7,649.00	-93.70	-501.36	93.70	0.00	0.00	0.00
Garden Gulch Member-2									
7,700.00	7.97	259.41	7,665.17	-94.12	-503.58	94.12	0.00	0.00	0.00
7,800.00	7.97	259.41	7,764.20	-96.67	-517.21	96.67	0.00	0.00	0.00
7,900.00	7.97	259.41	7,863.24	-99.22	-530.84	99.22	0.00	0.00	0.00
8,000.00	7.97	259.41	7,962.27	-101.76	-544.47	101.76	0.00	0.00	0.00
8,100.00	7.97	259.41	8,061.31	-104.31	-558.10	104.31	0.00	0.00	0.00
8,200.00	7.97	259.41	8,160.34	-106.86	-571.73	106.86	0.00	0.00	0.00
8,253.55	7.97	259.41	8,213.37	-108.22	-579.03	108.22	0.00	0.00	0.00
Nugdg Drop Rate= -1.50/100' MD									

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Design:	2-4-9-3-2WH Jorgensen Rev00		

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)
8,300.00	7.27	259.41	8,259.41	-109.35	-585.09	109.35	1.50	-1.50	0.00
8,400.00	5.77	259.41	8,358.76	-111.44	-596.25	111.44	1.50	-1.50	0.00
8,447.45	5.06	259.41	8,406.00	-112.26	-600.66	112.26	1.50	-1.50	0.00
Douglas Creek Member									
8,500.00	4.27	259.41	8,458.37	-113.05	-604.86	113.05	1.50	-1.50	0.00
8,600.00	2.77	259.41	8,558.18	-114.18	-610.90	114.18	1.50	-1.50	0.00
8,700.00	1.27	259.41	8,658.12	-114.83	-614.37	114.83	1.50	-1.50	0.00
8,784.89	0.00	0.00	8,743.00	-115.00	-615.30	115.00	1.50	-1.50	0.00
Nudge Vert. Pt.= 8785 MD- 8943 TVD									
8,800.00	0.00	0.00	8,758.11	-115.00	-615.30	115.00	0.00	0.00	0.00
8,858.25	0.00	0.00	8,816.36	-115.00	-615.30	115.00	0.00	0.00	0.00
B Limestone									
8,900.00	0.00	0.00	8,858.11	-115.00	-615.30	115.00	0.00	0.00	0.00
8,984.89	0.00	0.00	8,943.00	-115.00	-615.30	115.00	0.00	0.00	0.00
Top Lw. Blk. Shale-Tangent= 50 ft.									
8,985.25	0.00	0.00	8,943.36	-115.00	-615.30	115.00	0.00	0.00	0.00
Lower Black Shale									
9,000.00	0.00	0.00	8,958.11	-115.00	-615.30	115.00	0.00	0.00	0.00
9,034.89	0.00	0.00	8,993.00	-115.00	-615.30	115.00	0.00	0.00	0.00
Casing- Tangent= 35 ft.									
9,069.89	0.00	0.00	9,028.00	-115.00	-615.30	115.00	0.00	0.00	0.00
Curve KOP- Build Rate= 15.08°/100' MD									
9,075.00	0.77	179.91	9,033.11	-115.03	-615.30	115.03	15.08	15.08	0.00
9,100.00	4.54	179.91	9,058.08	-116.19	-615.30	116.19	15.08	15.08	0.00
9,125.00	8.31	179.91	9,082.92	-118.99	-615.29	118.99	15.08	15.08	0.00
9,132.27	9.41	179.91	9,090.10	-120.11	-615.29	120.11	15.08	15.08	0.00
Castle Peak Limestone									
9,150.00	12.08	179.91	9,107.52	-123.41	-615.29	123.41	15.08	15.08	0.00
9,175.00	15.85	179.91	9,131.77	-129.44	-615.28	129.44	15.08	15.08	0.00
9,200.00	19.62	179.91	9,155.58	-137.06	-615.27	137.06	15.08	15.08	0.00
9,225.00	23.39	179.91	9,178.84	-146.22	-615.25	146.22	15.08	15.08	0.00
9,250.00	27.16	179.91	9,201.44	-156.89	-615.23	156.89	15.08	15.08	0.00
9,275.00	30.93	179.91	9,223.29	-169.02	-615.22	169.02	15.08	15.08	0.00
9,300.00	34.70	179.91	9,244.30	-182.57	-615.19	182.57	15.08	15.08	0.00
9,302.05	35.00	179.91	9,245.98	-183.74	-615.19	183.74	15.08	15.08	0.00
CP LIMES_2									
9,325.00	38.46	179.91	9,264.37	-197.46	-615.17	197.46	15.08	15.08	0.00
9,350.00	42.23	179.91	9,283.42	-213.65	-615.15	213.65	15.08	15.08	0.00
9,375.00	46.00	179.91	9,301.37	-231.05	-615.12	231.05	15.08	15.08	0.00
9,400.00	49.77	179.91	9,318.13	-249.59	-615.09	249.59	15.08	15.08	0.00
9,425.00	53.54	179.91	9,333.64	-269.20	-615.06	269.20	15.08	15.08	0.00
9,450.00	57.31	179.91	9,347.82	-289.78	-615.03	289.78	15.08	15.08	0.00
9,475.00	61.08	179.91	9,360.62	-311.25	-614.99	311.25	15.08	15.08	0.00
9,479.03	61.69	179.91	9,362.55	-314.78	-614.99	314.78	15.08	15.08	0.00
Uteland Butte									
9,500.00	64.85	179.91	9,371.98	-333.51	-614.96	333.51	15.08	15.08	0.00
9,501.39	65.06	179.91	9,372.57	-334.77	-614.95	334.77	15.08	15.08	0.00
U.B.--A									
9,525.00	68.62	179.91	9,381.85	-356.47	-614.92	356.47	15.08	15.08	0.00
9,534.15	70.00	179.91	9,385.08	-365.03	-614.91	365.03	15.08	15.08	0.00

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RECEIVED: July 09, 2013

NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

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)
U.B.--B									
9,550.00	72.39	179.91	9,390.19	-380.04	-614.88	380.04	15.08	15.08	0.00
9,575.00	76.16	179.91	9,396.97	-404.10	-614.85	404.10	15.08	15.08	0.00
9,600.00	79.93	179.91	9,402.15	-428.55	-614.81	428.55	15.08	15.08	0.00
9,625.00	83.70	179.91	9,405.71	-453.29	-614.77	453.29	15.08	15.08	0.00
9,650.00	87.47	179.91	9,407.63	-478.21	-614.73	478.21	15.08	15.08	0.00
9,661.48	89.20	179.91	9,407.97	-489.68	-614.71	489.68	15.08	15.08	0.00
U.B.--C_Land Pt.									
9,665.54	89.81	179.91	9,408.00	-493.74	-614.71	493.74	15.08	15.08	0.00
Land Pt. (89.81°) 9666 MD- 9408 TVD									
9,700.00	89.81	179.91	9,408.11	-528.21	-614.65	528.21	0.00	0.00	0.00
9,800.00	89.81	179.91	9,408.45	-628.20	-614.49	628.20	0.00	0.00	0.00
9,840.54	89.81	179.91	9,408.58	-668.74	-614.43	668.74	0.00	0.00	0.00
Curve Build Rate= 3.00/100' MD									
9,900.00	91.59	179.91	9,407.85	-728.20	-614.34	728.20	3.00	3.00	0.00
9,930.83	92.52	179.91	9,406.75	-759.00	-614.29	759.00	3.00	3.00	0.00
U.B.--C_Land Pt. Horz Tgt (Top Porosity)									
9,940.54	92.81	179.91	9,406.29	-768.70	-614.27	768.70	3.00	3.00	0.00
Land Pt. Horz. Tgt.(92.81°) 9941 MD- 9406 TVD									
10,000.00	92.81	179.91	9,403.38	-828.10	-614.18	828.10	0.00	0.00	0.00
10,100.00	92.81	179.91	9,398.48	-927.97	-614.02	927.97	0.00	0.00	0.00
10,200.00	92.81	179.91	9,393.57	-1,027.85	-613.87	1,027.85	0.00	0.00	0.00
10,300.00	92.81	179.91	9,388.67	-1,127.73	-613.71	1,127.73	0.00	0.00	0.00
10,400.00	92.81	179.91	9,383.77	-1,227.61	-613.55	1,227.61	0.00	0.00	0.00
10,500.00	92.81	179.91	9,378.87	-1,327.49	-613.40	1,327.49	0.00	0.00	0.00
10,600.00	92.81	179.91	9,373.96	-1,427.37	-613.24	1,427.37	0.00	0.00	0.00
10,700.00	92.81	179.91	9,369.06	-1,527.25	-613.08	1,527.25	0.00	0.00	0.00
10,800.00	92.81	179.91	9,364.16	-1,627.13	-612.92	1,627.13	0.00	0.00	0.00
10,900.00	92.81	179.91	9,359.26	-1,727.01	-612.77	1,727.01	0.00	0.00	0.00
11,000.00	92.81	179.91	9,354.36	-1,826.89	-612.61	1,826.89	0.00	0.00	0.00
11,100.00	92.81	179.91	9,349.45	-1,926.77	-612.45	1,926.77	0.00	0.00	0.00
11,200.00	92.81	179.91	9,344.55	-2,026.65	-612.30	2,026.65	0.00	0.00	0.00
11,300.00	92.81	179.91	9,339.65	-2,126.53	-612.14	2,126.53	0.00	0.00	0.00
11,400.00	92.81	179.91	9,334.75	-2,226.41	-611.98	2,226.41	0.00	0.00	0.00
11,500.00	92.81	179.91	9,329.84	-2,326.29	-611.83	2,326.29	0.00	0.00	0.00
11,600.00	92.81	179.91	9,324.94	-2,426.17	-611.67	2,426.17	0.00	0.00	0.00
11,700.00	92.81	179.91	9,320.04	-2,526.05	-611.51	2,526.05	0.00	0.00	0.00
11,800.00	92.81	179.91	9,315.14	-2,625.93	-611.36	2,625.93	0.00	0.00	0.00
11,900.00	92.81	179.91	9,310.23	-2,725.81	-611.20	2,725.81	0.00	0.00	0.00
12,000.00	92.81	179.91	9,305.33	-2,825.69	-611.04	2,825.69	0.00	0.00	0.00
12,100.00	92.81	179.91	9,300.43	-2,925.57	-610.89	2,925.57	0.00	0.00	0.00
12,200.00	92.81	179.91	9,295.53	-3,025.45	-610.73	3,025.45	0.00	0.00	0.00
12,300.00	92.81	179.91	9,290.62	-3,125.33	-610.57	3,125.33	0.00	0.00	0.00
12,400.00	92.81	179.91	9,285.72	-3,225.21	-610.41	3,225.21	0.00	0.00	0.00
12,500.00	92.81	179.91	9,280.82	-3,325.09	-610.26	3,325.09	0.00	0.00	0.00
12,600.00	92.81	179.91	9,275.92	-3,424.97	-610.10	3,424.97	0.00	0.00	0.00
12,700.00	92.81	179.91	9,271.01	-3,524.85	-609.94	3,524.85	0.00	0.00	0.00
12,800.00	92.81	179.91	9,266.11	-3,624.72	-609.79	3,624.72	0.00	0.00	0.00
12,900.00	92.81	179.91	9,261.21	-3,724.60	-609.63	3,724.60	0.00	0.00	0.00
13,000.00	92.81	179.91	9,256.31	-3,824.48	-609.47	3,824.48	0.00	0.00	0.00
13,100.00	92.81	179.91	9,251.40	-3,924.36	-609.32	3,924.36	0.00	0.00	0.00

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NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

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)
13,200.00	92.81	179.91	9,246.50	-4,024.24	-609.16	4,024.24	0.00	0.00	0.00
13,300.00	92.81	179.91	9,241.60	-4,124.12	-609.00	4,124.12	0.00	0.00	0.00
13,400.00	92.81	179.91	9,236.70	-4,224.00	-608.85	4,224.00	0.00	0.00	0.00
13,500.00	92.81	179.91	9,231.80	-4,323.88	-608.69	4,323.88	0.00	0.00	0.00
13,600.00	92.81	179.91	9,226.89	-4,423.76	-608.53	4,423.76	0.00	0.00	0.00
13,700.00	92.81	179.91	9,221.99	-4,523.64	-608.37	4,523.64	0.00	0.00	0.00
13,800.00	92.81	179.91	9,217.09	-4,623.52	-608.22	4,623.52	0.00	0.00	0.00
13,900.00	92.81	179.91	9,212.19	-4,723.40	-608.06	4,723.40	0.00	0.00	0.00
14,000.00	92.81	179.91	9,207.28	-4,823.28	-607.90	4,823.28	0.00	0.00	0.00
14,100.00	92.81	179.91	9,202.38	-4,923.16	-607.75	4,923.16	0.00	0.00	0.00
14,200.00	92.81	179.91	9,197.48	-5,023.04	-607.59	5,023.04	0.00	0.00	0.00
14,300.00	92.81	179.91	9,192.58	-5,122.92	-607.43	5,122.92	0.00	0.00	0.00
14,400.00	92.81	179.91	9,187.67	-5,222.80	-607.28	5,222.80	0.00	0.00	0.00
14,500.00	92.81	179.91	9,182.77	-5,322.68	-607.12	5,322.68	0.00	0.00	0.00
14,600.00	92.81	179.91	9,177.87	-5,422.56	-606.96	5,422.56	0.00	0.00	0.00
14,700.00	92.81	179.91	9,172.97	-5,522.44	-606.81	5,522.44	0.00	0.00	0.00
14,800.00	92.81	179.91	9,168.06	-5,622.32	-606.65	5,622.32	0.00	0.00	0.00
14,900.00	92.81	179.91	9,163.16	-5,722.20	-606.49	5,722.20	0.00	0.00	0.00
15,000.00	92.81	179.91	9,158.26	-5,822.08	-606.34	5,822.08	0.00	0.00	0.00
15,100.00	92.81	179.91	9,153.36	-5,921.96	-606.18	5,921.96	0.00	0.00	0.00
15,200.00	92.81	179.91	9,148.45	-6,021.84	-606.02	6,021.84	0.00	0.00	0.00
15,300.00	92.81	179.91	9,143.55	-6,121.72	-605.86	6,121.72	0.00	0.00	0.00
15,400.00	92.81	179.91	9,138.65	-6,221.60	-605.71	6,221.60	0.00	0.00	0.00
15,500.00	92.81	179.91	9,133.75	-6,321.48	-605.55	6,321.48	0.00	0.00	0.00
15,600.00	92.81	179.91	9,128.84	-6,421.35	-605.39	6,421.35	0.00	0.00	0.00
15,700.00	92.81	179.91	9,123.94	-6,521.23	-605.24	6,521.23	0.00	0.00	0.00
15,800.00	92.81	179.91	9,119.04	-6,621.11	-605.08	6,621.11	0.00	0.00	0.00
15,900.00	92.81	179.91	9,114.14	-6,720.99	-604.92	6,720.99	0.00	0.00	0.00
16,000.00	92.81	179.91	9,109.23	-6,820.87	-604.77	6,820.87	0.00	0.00	0.00
16,100.00	92.81	179.91	9,104.33	-6,920.75	-604.61	6,920.75	0.00	0.00	0.00
16,200.00	92.81	179.91	9,099.43	-7,020.63	-604.45	7,020.63	0.00	0.00	0.00
16,300.00	92.81	179.91	9,094.53	-7,120.51	-604.30	7,120.51	0.00	0.00	0.00
16,400.00	92.81	179.91	9,089.63	-7,220.39	-604.14	7,220.39	0.00	0.00	0.00
16,500.00	92.81	179.91	9,084.72	-7,320.27	-603.98	7,320.27	0.00	0.00	0.00
16,600.00	92.81	179.91	9,079.82	-7,420.15	-603.83	7,420.15	0.00	0.00	0.00
16,700.00	92.81	179.91	9,074.92	-7,520.03	-603.67	7,520.03	0.00	0.00	0.00
16,800.00	92.81	179.91	9,070.02	-7,619.91	-603.51	7,619.91	0.00	0.00	0.00
16,900.00	92.81	179.91	9,065.11	-7,719.79	-603.35	7,719.79	0.00	0.00	0.00
17,000.00	92.81	179.91	9,060.21	-7,819.67	-603.20	7,819.67	0.00	0.00	0.00
17,100.00	92.81	179.91	9,055.31	-7,919.55	-603.04	7,919.55	0.00	0.00	0.00
17,200.00	92.81	179.91	9,050.41	-8,019.43	-602.88	8,019.43	0.00	0.00	0.00
17,300.00	92.81	179.91	9,045.50	-8,119.31	-602.73	8,119.31	0.00	0.00	0.00
17,400.00	92.81	179.91	9,040.60	-8,219.19	-602.57	8,219.19	0.00	0.00	0.00
17,500.00	92.81	179.91	9,035.70	-8,319.07	-602.41	8,319.07	0.00	0.00	0.00
17,600.00	92.81	179.91	9,030.80	-8,418.95	-602.26	8,418.95	0.00	0.00	0.00
17,700.00	92.81	179.91	9,025.89	-8,518.83	-602.10	8,518.83	0.00	0.00	0.00
17,800.00	92.81	179.91	9,020.99	-8,618.71	-601.94	8,618.71	0.00	0.00	0.00
17,900.00	92.81	179.91	9,016.09	-8,718.59	-601.79	8,718.59	0.00	0.00	0.00
18,000.00	92.81	179.91	9,011.19	-8,818.47	-601.63	8,818.47	0.00	0.00	0.00
18,100.00	92.81	179.91	9,006.28	-8,918.35	-601.47	8,918.35	0.00	0.00	0.00
18,200.00	92.81	179.91	9,001.38	-9,018.23	-601.31	9,018.23	0.00	0.00	0.00
18,300.00	92.81	179.91	8,996.48	-9,118.11	-601.16	9,118.11	0.00	0.00	0.00

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NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

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Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

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)
18,400.00	92.81	179.91	8,991.58	-9,217.98	-601.00	9,217.98	0.00	0.00	0.00
18,500.00	92.81	179.91	8,986.67	-9,317.86	-600.84	9,317.86	0.00	0.00	0.00
18,600.00	92.81	179.91	8,981.77	-9,417.74	-600.69	9,417.74	0.00	0.00	0.00
18,700.00	92.81	179.91	8,976.87	-9,517.62	-600.53	9,517.62	0.00	0.00	0.00
18,800.00	92.81	179.91	8,971.97	-9,617.50	-600.37	9,617.50	0.00	0.00	0.00
18,900.00	92.81	179.91	8,967.06	-9,717.38	-600.22	9,717.38	0.00	0.00	0.00
19,000.00	92.81	179.91	8,962.16	-9,817.26	-600.06	9,817.26	0.00	0.00	0.00
19,100.00	92.81	179.91	8,957.26	-9,917.14	-599.90	9,917.14	0.00	0.00	0.00
19,162.79	92.81	179.91	8,954.18	-9,979.86	-599.80	9,979.86	0.00	0.00	0.00
TD-PBHL= 19163 MD- 8954 TVD									

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RECEIVED: July 09, 2013

NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SEC. 4 & 9, T3S-R2W	0.00	0.00	85.00	-10,069.29	-3,248.50	7,255,491.45	2,025,188.00	40° 13' 48.231 N	110° 7' 18.549 W
- plan misses target center by 9256.67usft at 19162.79usft MD (8954.18 TVD, -9979.86 N, -599.80 E)									
- Polygon									
Point 1			85.00	0.00	0.00	7,255,491.45	2,025,188.00		
Point 2			85.00	356.12	5.36	7,255,847.61	2,025,187.82		
Point 3			85.00	1,106.93	16.23	7,256,598.50	2,025,187.02		
Point 4			85.00	4,303.43	2.38	7,259,794.40	2,025,123.51		
Point 5			85.00	5,622.90	-2.24	7,261,113.64	2,025,098.39		
Point 6			85.00	7,589.99	-9.15	7,263,080.38	2,025,060.91		
Point 7			85.00	8,920.60	-11.43	7,264,410.80	2,025,037.96		
Point 8			85.00	9,587.43	-14.51	7,265,077.50	2,025,024.52		
Point 9			85.00	9,895.08	-22.49	7,265,384.99	2,025,011.76		
Point 10			85.00	9,895.08	-22.49	7,265,384.99	2,025,011.76		
Point 11			85.00	9,587.43	-14.51	7,265,077.50	2,025,024.52		
Point 12			85.00	8,920.60	-11.43	7,264,410.80	2,025,037.96		
Point 13			85.00	7,589.99	-9.15	7,263,080.38	2,025,060.91		
Point 14			85.00	5,622.90	-2.24	7,261,113.64	2,025,098.39		
Point 15			85.00	4,303.43	2.38	7,259,794.40	2,025,123.51		
Point 16			85.00	1,106.93	16.23	7,256,598.50	2,025,187.02		
Point 17			85.00	356.12	5.36	7,255,847.61	2,025,187.82		
Point 18			85.00	0.00	0.00	7,255,491.45	2,025,188.00		
SEC. 4 & 9, T3S-R2W	0.00	0.00	85.00	-9,926.55	719.20	7,255,695.82	2,029,153.00	40° 13' 49.643 N	110° 6' 27.389 W
- plan misses target center by 8966.88usft at 19162.79usft MD (8954.18 TVD, -9979.86 N, -599.80 E)									
- Polygon									
Point 1			85.00	0.00	0.00	7,255,695.82	2,029,153.00		
Point 2			85.00	304.25	-0.10	7,256,000.03	2,029,148.17		
Point 3			85.00	4,240.43	1.73	7,259,935.77	2,029,088.84		
Point 4			85.00	5,559.90	0.78	7,261,255.06	2,029,067.39		
Point 5			85.00	7,551.27	-2.57	7,263,246.14	2,029,033.10		
Point 6			85.00	9,504.19	-15.22	7,265,198.63	2,028,990.10		
Point 7			85.00	9,851.74	-24.90	7,265,545.99	2,028,975.02		
Point 8			85.00	9,851.74	-24.90	7,265,545.99	2,028,975.02		
Point 9			85.00	9,504.19	-15.22	7,265,198.63	2,028,990.10		
Point 10			85.00	7,551.27	-2.57	7,263,246.14	2,029,033.10		
Point 11			85.00	5,559.90	0.78	7,261,255.06	2,029,067.39		
Point 12			85.00	4,240.43	1.73	7,259,935.77	2,029,088.84		
Point 13			85.00	304.25	-0.10	7,256,000.03	2,029,148.17		
Point 14			85.00	0.00	0.00	7,255,695.82	2,029,153.00		
T.D.-PBHL (2-4-9-3-2	0.00	0.00	8,954.00	-9,979.86	-599.29	7,255,622.04	2,027,835.50	40° 13' 49.116 N	110° 6' 44.390 W
- plan misses target center by 0.55usft at 19162.79usft MD (8954.18 TVD, -9979.86 N, -599.80 E)									
- Point									
Top Production (2-4-9	0.00	180.00	9,427.00	-107.55	-615.40	7,265,492.90	2,027,666.00	40° 15' 26.681 N	110° 6' 44.601 W
- plan misses target center by 176.16usft at 9375.00usft MD (9301.37 TVD, -231.05 N, -615.12 E)									
- Rectangle (sides W0.00 H0.00 D1,700.00)									

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RECEIVED: July 09, 2013

NEWFIELD ROCKY MOUNTAINS

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5341'+ 28'= 5369' MSL) @ 5369.00usft (Pioneer 78 (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev00		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,253.55	4,252.00	Green River Formation		0.00	180.00
6,271.03	6,250.00	Trona		0.00	180.00
6,317.48	6,296.00	Mahoganyh Bench		0.00	180.00
7,220.20	7,190.00	Garden Gulch Member		0.00	180.00
7,497.88	7,465.00	Garden Gulch Member-1		0.00	180.00
7,683.67	7,649.00	Garden Gulch Member-2		0.00	180.00
8,447.45	8,406.00	Douglas Creek Member		0.00	180.00
8,858.25	8,816.36	B Limestone		-2.81	180.00
8,985.25	8,943.36	Lower Black Shale		-2.81	180.00
9,132.27	9,090.10	Castle Peak Limestone		-2.81	180.00
9,302.05	9,245.98	CP LIMES_2		-2.81	180.00
9,479.03	9,362.55	Uteland Butte		-2.81	180.00
9,501.39	9,372.57	U.B.--A		-2.81	180.00
9,534.15	9,385.08	U.B.--B		-2.81	180.00
9,930.83	9,406.75	U.B.--C_Land Pt. Horz Tgt (Top Por		-2.81	180.00
9,661.48	9,407.97	U.B.--C_Land Pt.		-2.81	180.00

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,500.00	1,500.00	0.00	0.00	Tangent= 2240 ft. at 1500 MD- TVD
3,740.00	3,740.00	0.00	0.00	Nudge KOP- Build Rate= 1.50/100' MD
4,271.34	4,269.63	-6.78	-36.27	EOB-Tangent= 3982 ft. at 4271 MD
8,253.55	8,213.37	-108.22	-579.03	Nugdg Drop Rate= -1.50/100' MD
8,784.89	8,743.00	-115.00	-615.30	Nudge Vert. Pt.= 8785 MD- 8943 TVD
8,984.89	8,943.00	-115.00	-615.30	Top Lw. Blk. Shale-Tangent= 50 ft.
9,034.89	8,993.00	-115.00	-615.30	Casing- Tangent= 35 ft.
9,069.89	9,028.00	-115.00	-615.30	Curve KOP- Build Rate= 15.08°/100' MD
9,665.54	9,408.00	-493.74	-614.71	Land Pt. (89.81°) 9666 MD- 9408 TVD
9,840.54	9,408.58	-668.74	-614.43	Curve Build Rate= 3.00/100' MD
9,940.54	9,406.29	-768.70	-614.27	Land Pt. Horz. Tgt.(92.81°) 9941 MD- 9406 TVD
19,162.79	8,954.18	-9,979.86	-599.80	TD-PBHL= 19163 MD- 8954 TVD

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RECEIVED: July 09, 2013

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 Jorgensen 2-4-9-3-2WH well with a surface location to be positioned in the NWNE of Section 4, Township 3 South, Range 2 West (the "Drillsite Location"), and a bottom hole location to be positioned in the SWSE of Section 9, Township 3 South, Range 2 West, Duchesne County, Utah. The surface owner of the Drillsite Location, access road and pipeline route is John Dawson Jorgensen, Trustee of the John Dawson Jorgensen 2008 Trust and Edith Louise Jorgensen, Trustee of the Edith Louise Jorgensen 2008 Trust, whose address is RR Box 2151, Roosevelt, UT 84066 ("Surface Owner").

3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated October 23, 2012 covering the Drillsite Location and access to the Drillsite Location.

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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 6th day of March, 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:

ALAN D. WILD NOTARY PUBLIC STATE OF COLORADO MY COMMISSION EXPIRES 2/17/2015

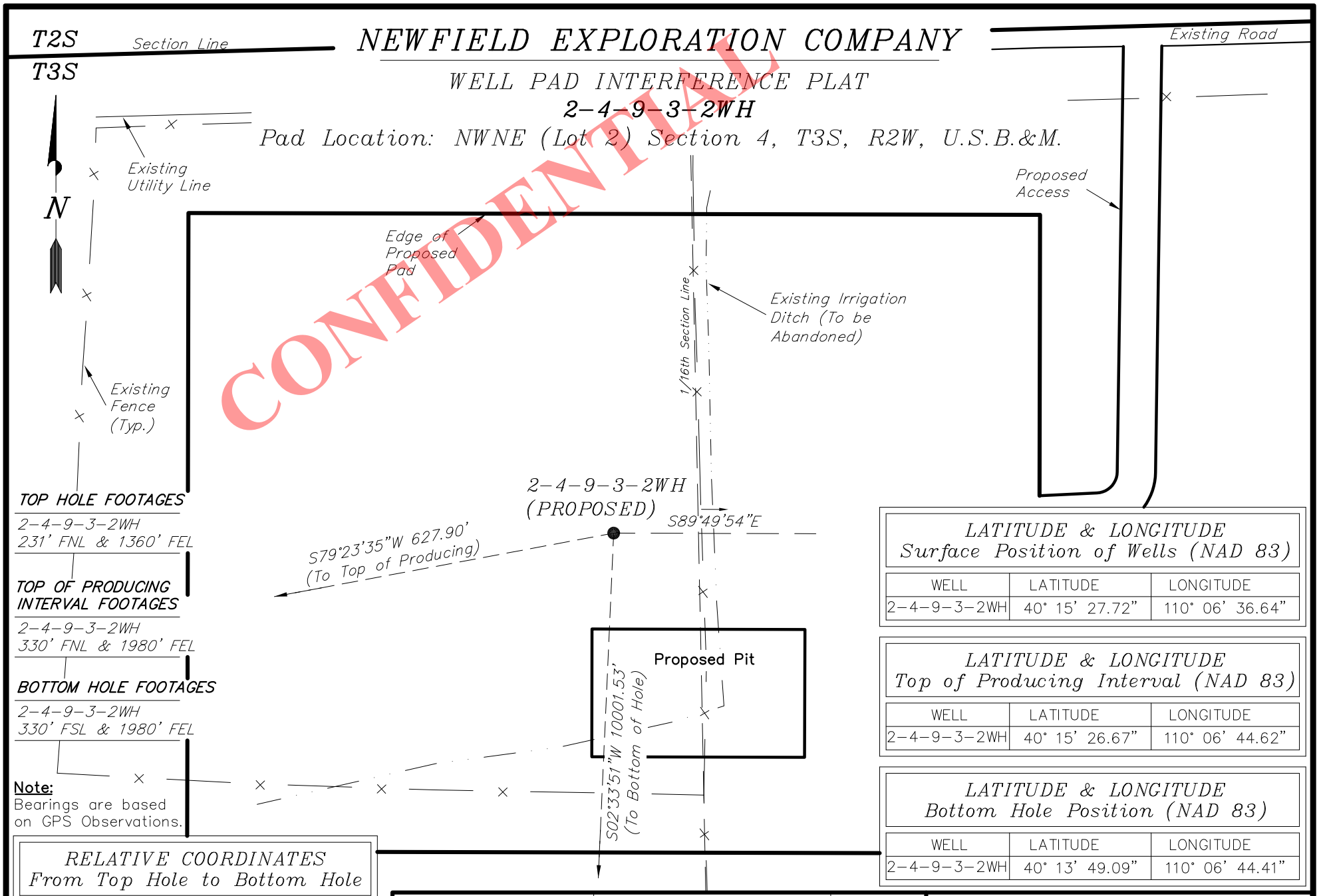
API Well Number: 43013521070000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

2-4-9-3-2WH

Pad Location: NWNE (Lot 2) Section 4, T3S, R2W, U.S.B.&M.



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TOP HOLE FOOTAGES
2-4-9-3-2WH
231' FNL & 1360' FEL

TOP OF PRODUCING INTERVAL FOOTAGES
2-4-9-3-2WH
330' FNL & 1980' FEL

BOTTOM HOLE FOOTAGES
2-4-9-3-2WH
330' FSL & 1980' FEL

Note:
Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
Surface Position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
2-4-9-3-2WH	40° 15' 27.72"	110° 06' 36.64"

LATITUDE & LONGITUDE
Top of Producing Interval (NAD 83)

WELL	LATITUDE	LONGITUDE
2-4-9-3-2WH	40° 15' 26.67"	110° 06' 44.62"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
2-4-9-3-2WH	40° 13' 49.09"	110° 06' 44.41"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
2-4-9-3-2WH	-9,992'	-447'

SURVEYED BY: S.V.	DATE SURVEYED: 10-14-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: R.B.T.	DATE DRAWN: 03-13-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: V.H. 11-19-12		

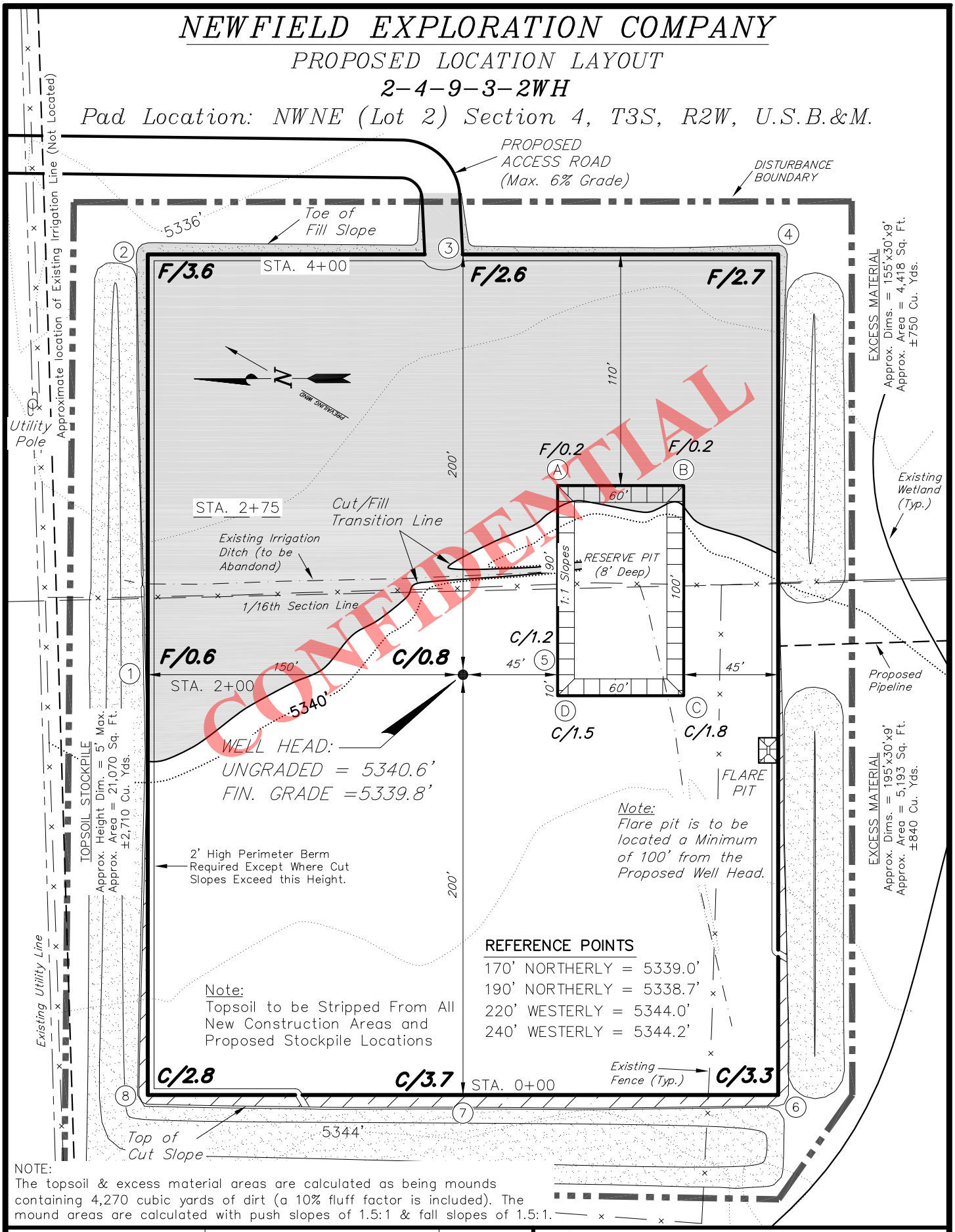
RECEIVED: March 21, 2013

NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

2-4-9-3-2WH

Pad Location: NWNE (Lot 2) Section 4, T3S, R2W, U.S.B.&M.



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NOTE:
The topsoil & excess material areas are calculated as being mounds containing 4,270 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: S.V.	DATE SURVEYED: 10-14-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: R.B.T.	DATE DRAWN: 03-13-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: V.H. 11-19-12		

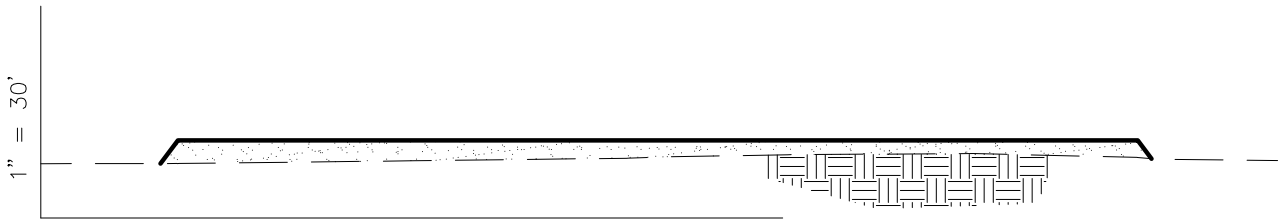
RECEIVED: March 21, 2013

NEWFIELD EXPLORATION COMPANY

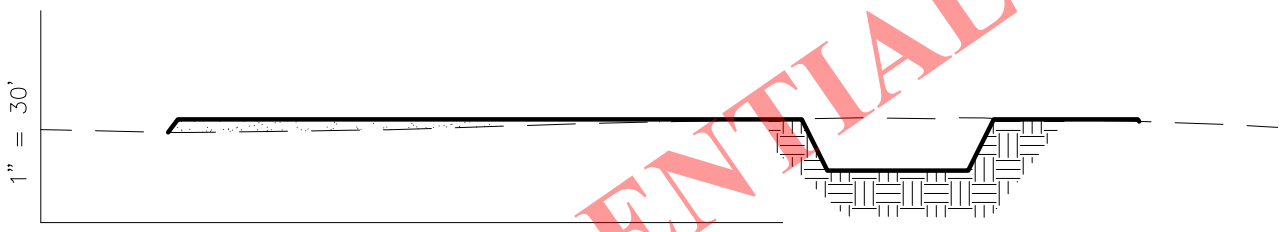
CROSS SECTIONS

2-4-9-3-2WH

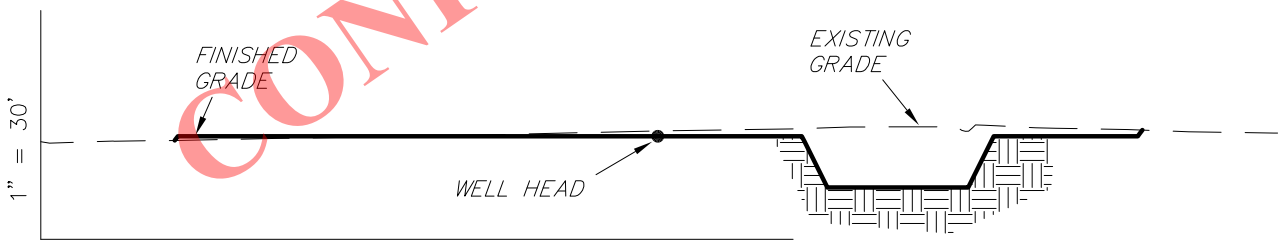
Pad Location: NWNE (Lot 2) Section 4, T3S, R2W, U.S.B.&M.



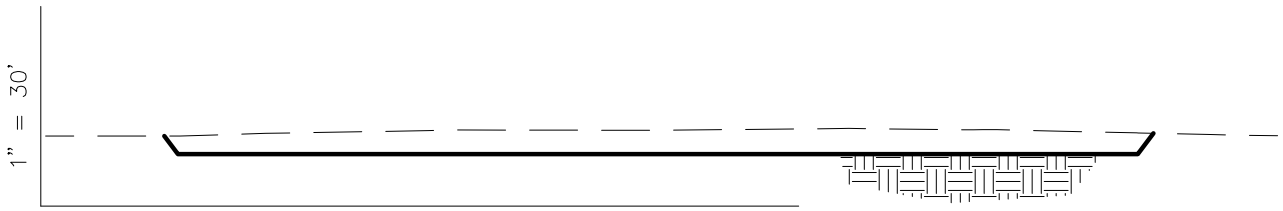
STA. 4+00



STA. 2+75



STA. 2+00



STA. 0+00

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

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,820	3,820	Topsoil is not included in Pad Cut Volume	0
PIT	1,420	0		1,420
TOTALS	5,240	3,820	2,470	1,420

SURVEYED BY: S.V.	DATE SURVEYED: 10-14-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: R.B.T.	DATE DRAWN: 03-13-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: V.H. 11-19-12		

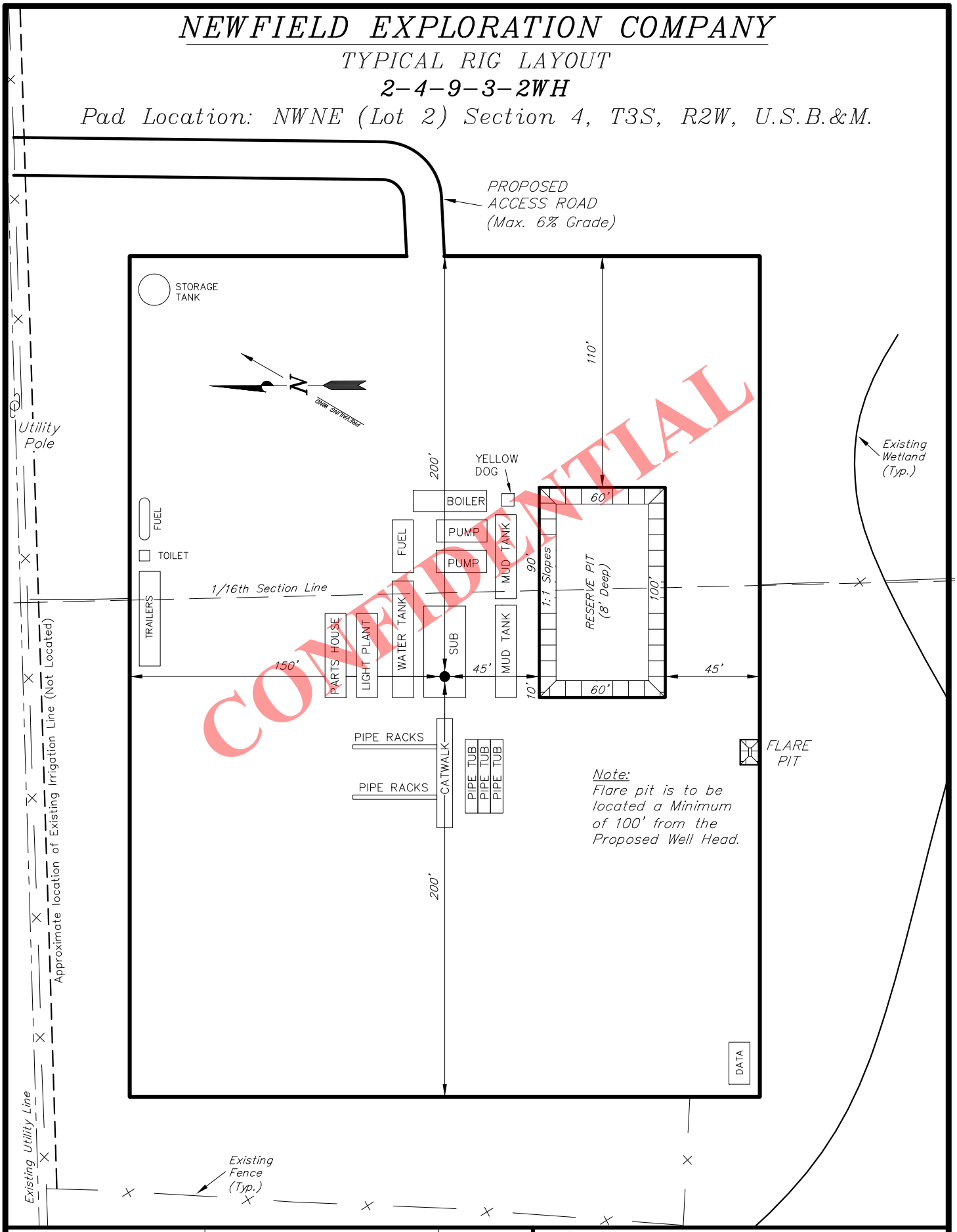
RECEIVED: March 21, 2013

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

2-4-9-3-2WH

Pad Location: NWNE (Lot 2) Section 4, T3S, R2W, U.S.B.&M.



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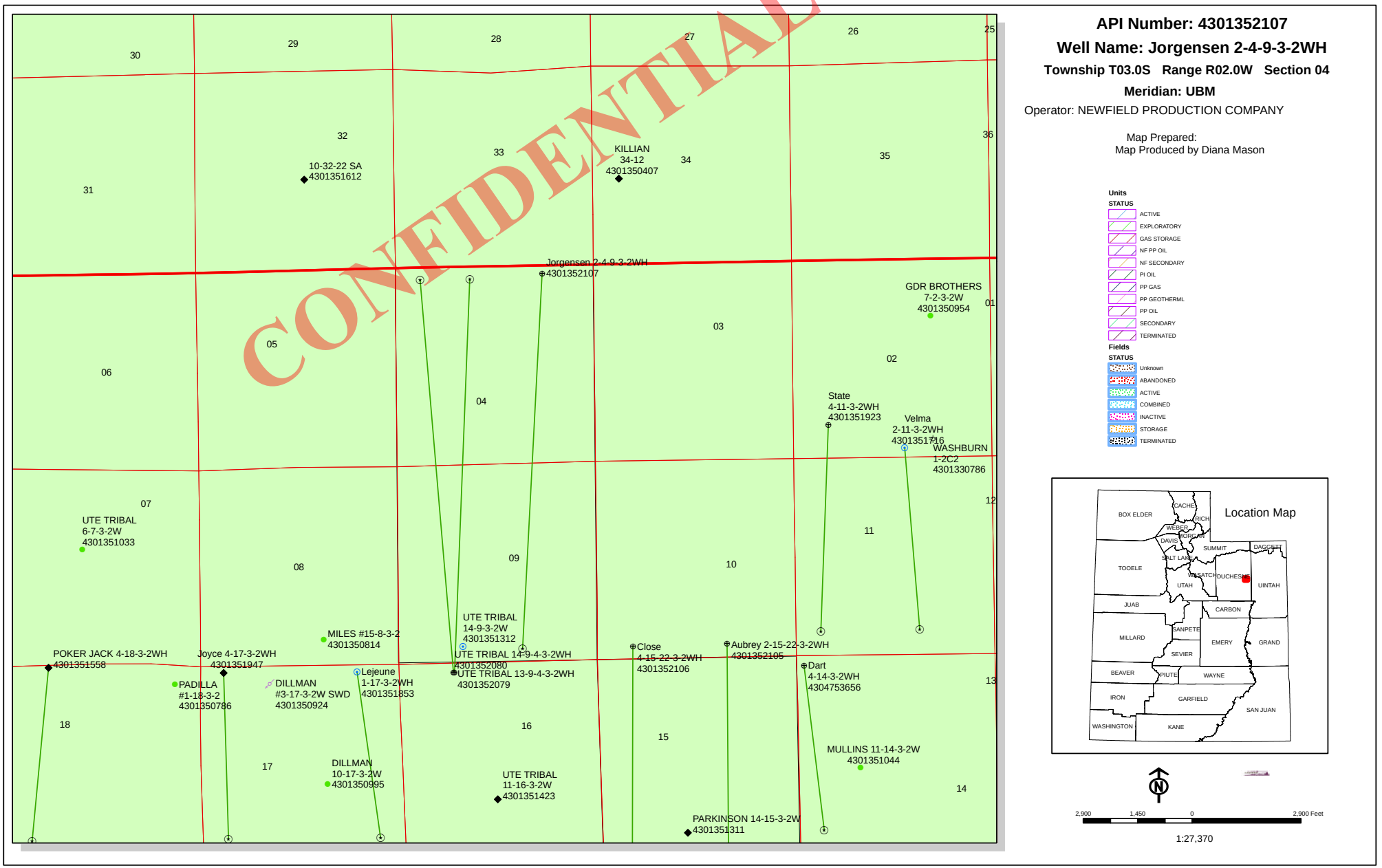
SURVEYED BY: S.V.	DATE SURVEYED: 10-14-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: R.B.T.	DATE DRAWN: 03-13-12	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: V.H. 11-19-12		

RECEIVED: March 21, 2013

API Well Number: 43013521070000



API Number: 4301352107

Well Name: Jorgensen 2-4-9-3-2WH

Township T03.0S Range R02.0W Section 04

Meridian: UBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

2,900 1,450 0 2,900 Feet

1:27,370

RECEIVED: March 22, 2013

NEWFIELD

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

July 1, 2013

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

RE: Jorgensen 2-4-9-3-2WH
Township 3 South, Range 2 West, Sections 4 & 9
Duchesne County, Utah

CONFIDENTIAL

Dear Mr. Hill:

Newfield Production Company ("Newfield") proposes to drill the Jorgensen 2-4-9-3-2WH from a surface location of 231' FNL and 1360' FEL of Section 4, T3S-R2W, to a bottom hole location of 330'FSL and 1980'FEL of Section 9, T3S-R2W.

The Jorgensen 2-4-9-3-2WH 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 Jorgensen 2-4-9-3-2WH is 330' FNL and 1980' FEL of T3S-R2W Section 4. Newfield shall case and cement the Jorgensen 2-4-9-3-2WH 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 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 leasehold owners of minerals underlying the surface location and all that portion of the wellbore of the Jorgensen 2-4-9-3-2WH.

Based on Newfield's compliance with the requirements of Order No. 139-98, Newfield respectfully requests the approval of our APD for the Jorgensen 2-4-9-3-2WH.

Should you have questions or require further information, please do not hesitate to contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration of this matter is greatly appreciated.

My Regards,

Shane Gillespie
Landman

API Well Number: 43013521070000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Jorgensen 2-4-9-3-2WH 43013521070000

Well Name	NEWFIELD PRODUCTION COMPANY Jorgensen 2-4-9-3-2WH 43013			
String	COND	SURF	I1	PROD
Casing Size(")	20.000	13.375	9.625	5.500
Setting Depth (TVD)	60	1500	9035	8954
Previous Shoe Setting Depth (TVD)	0	60	1500	9035
Max Mud Weight (ppg)	8.3	8.4	10.5	14.5
BOPE Proposed (psi)	0	500	5000	5000
Casing Internal Yield (psi)	1000	2730	5750	12360
Operators Max Anticipated Pressure (psi)	6519			14.0

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=		60	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=	655		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	475	YES	diverter, air or fresh wtr systm
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	325	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	338	NO	OK
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=	4933		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3849	YES	5M BOPE, 2 ram preventers, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2945	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3275	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=	6751		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	5677	NO	5M BOPE, 2 ram preventers, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4781	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	6769	YES	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		5750	psi *Assumes 1psi/ft frac gradient	

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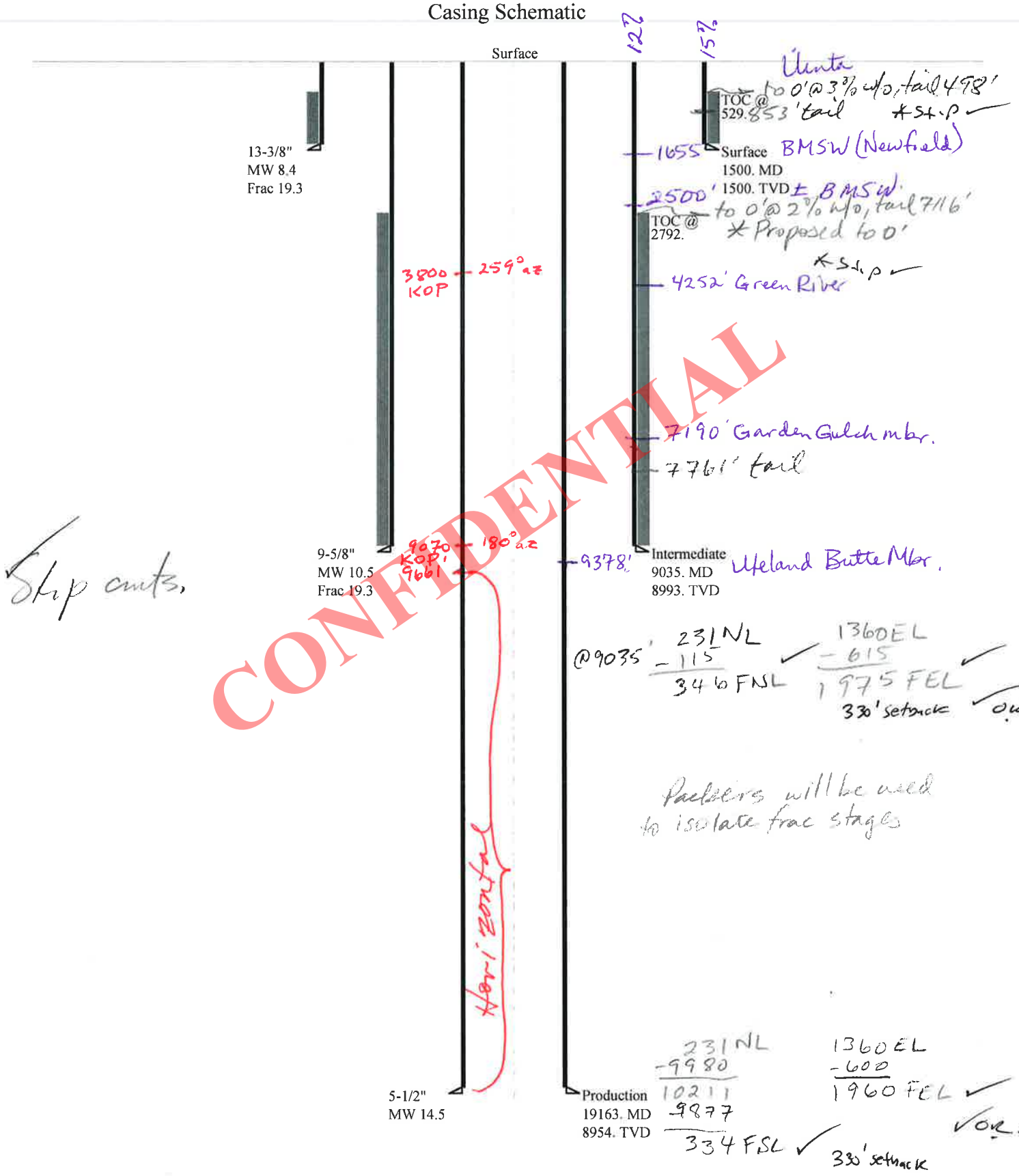
API Well Number: 43013521070000

43013521070000 Jorgensen 2-4-9-3-2WH

Casing Schematic



CONFIDENTIAL

API Well Number: 43013521070000

Well name:	**43013521070000 Jorgensen 2-4-9-3-2WH**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-52107
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

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

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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

Tension is based on buoyed weight.
Neutral point: 1,314 ft

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: 529 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 8,993 ft
Next mud weight: 10.500 ppg
Next setting BHP: 4,905 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	655	1130	1.726	1500	2730	1.82	71.6	514	7.18 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801.538.5357
FAX: 501.359.3940
Date: July 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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Well name:	**43013521070000 Jorgensen 2-4-9-3-2WH**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Intermediate
Project ID:	43-013-52107
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight:	10.500 ppg
Internal fluid density:	5.080 ppg

Burst

Max anticipated surface pressure:	4,775 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	6,753 psi
Annular backup:	2.33 ppg

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

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

Tension is based on buoyed weight.
Neutral point: 7,623 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	201 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	2,792 ft

Directional Info - Build & Hold

Kick-off point	9070 ft
Departure at shoe:	626 ft
Maximum dogleg:	1.5 °/100ft
Inclination at shoe:	0 °

Re subsequent strings:

Next setting depth:	8,954 ft
Next mud weight:	14.500 ppg
Next setting BHP:	6,745 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	8,993 ft
Injection pressure:	8,993 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	9035	9.625	40.00	N-80	Buttress	8993	9035	8.75	123019

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	2532	3090	1.220	5665	5750	1.02	303.5	916.3	3.02 B

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Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801.538.5357
FAX: 501.359.3940

Date: July 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8993 ft, a mud weight of 10.5 ppg An internal gradient of .264 psi/ft was used for collapse from TD
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.

Well name:	**43013521070000 Jorgensen 2-4-9-3-2WH**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-52107
Location:	DUCHESNE COUNTY

Design parameters:

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

Burst
Max anticipated surface pressure: 4,775 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,745 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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

Tension is based on buoyed weight.
Neutral point: 7,017 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 200 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Directional Info - Build & Hold
Kick-off point 9070 ft
Departure at shoe: 9998 ft
Maximum dogleg: 15.08 °/100ft
Inclination at shoe: 92.81 °

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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	19163	5.5	20.00	P-110	Buttress	8954	19163	4.653	158980

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	6745	11100	1.646	6845	12360	1.81	139.8	641.1	4.59 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801.538.5357
FAX: 501.359.3940
Date: July 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8954 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	Jorgensen 2-4-9-3-2WH				
API Number	43013521070000	**APD No**	7815	**Field/Unit**	UNDESIGNATED
Location: 1/4,1/4	NWNE **Sec** 4 **Tw** 3.0S **Rng** 2.0W 231 FNL 1360 FEL				
GPS Coord (UTM)	575669 4456739	**Surface Owner**	John Dawson Jorgensen & Edith Louise Jorgensen		

Participants

Corie Miller, Brian Reynolds - Newfield; Sheri Wysong -BLM; Jim Burns - Starpoint; John Jorgensen - Landowner

Regional/Local Setting & Topography

This location is proposed on productive farm land adjacent the south side of the Ioka road approximately 6 miles West of Roosevelt. This surface is regularly topographically flat as it is situated atop the North Myton bench with the Big Sand Wash Gulch north and North lateral of Dry Gulch to the South. This region is an arid desert with a sparsley vegetated high desert ecosystem. Several levels of differing heights exist between the Bench and the River South. These erosional featrures and historic flood plains are remnants of previous courses taken by the River. The sides of the benches created are rather steep and capped by sandstone cliffs. The soils deposited are slightly silty with some gravels in what is otherwise heavy clays. Numerous system of canals and their laterals and ditches criss cross the area providing for the agricultural base enjoyed in the area. The region has seen recent heavy development in the petroleum extraction Industry and construction of industrial type buildings.

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Surface Use Plan

Current Surface Use
Agricultural

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	**Width** 300 **Length** 400	Offsite	UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

The location is previously disturbed productive irrigated farm lands currently used as cattle pasture.
No native vegetation exist on site

Site may be occassionally visited by deer, rabbits, prarie dogs or Buteo raptor species though none were observed

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API Well Number: 43013521070000

Soil Type and Characteristics
cultivated soils

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)		20	
Dist. Nearest Municipal Well (ft)	1320 to 5280	5	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Oil Base Mud Fluid	15	
Drill Cuttings	Salt or Detrimental	10	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Present	15	
	Final Score	85	1 Sensitivity Level

Characteristics / Requirements
Operator intends on using a closed loop system with oil based mud for drilling fluid

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

Other Observations / Comments

Chris Jensen	5/8/2013
Evaluator	**Date / Time**

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7815	43013521070000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**	John Dawson Jorgensen & Edith Louise Jorgensen	
Well Name	Jorgensen 2-4-9-3-2WH		**Unit**		
Field	UNDESIGNATED		**Type of Work**	DRILL	
Location	NWNE 4 3S 2W U 231 FNL 1360 FEL GPS Coord (UTM) 575671E 4456742N				

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Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 1,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,500'. A search of Division of Water Rights records shows 27 water wells within a 10,000 foot radius of the center of Section 4. Depth is listed as ranging from 34 to 600 feet. Depths are not listed for 2 wells. Water use is listed as irrigation, stock watering, municipal and domestic use. 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	5/16/2013
APD Evaluator	**Date / Time**

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window typical for Horizontal drilling. Access road enters the pad from the East. The landowner was in attendance for the pre-site inspection. His wishes for the placement of the well was taken into consideration. He was promised at the onsite that the entire location would be fenced and cattle guards will be installed at road and pad entrance to protect grazing livestock from entering location.

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

Usual construction standards of the Operator do not appear to be adequate for the proposed purpose as submitted. Operator plans to use oil based mud and drilling fluids with a closed loop system.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A small drainage can be found adjacent the site to the South. The location was not 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.

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Chris Jensen	5/8/2013
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

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RECEIVED: July 22, 2013

API Well Number: 43013521070000

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/21/2013 **API NO. ASSIGNED:** 43013521070000
WELL NAME: Jorgensen 2-4-9-3-2WH
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 719-2018
CONTACT: Don Hamilton

PROPOSED LOCATION: NWNE 04 030S 020W **Permit Tech Review:** ☑
SURFACE: 0231 FNL 1360 FEL **Engineering Review:** ☑
BOTTOM: 0330 FSL 1980 FEL **Geology Review:** ☑
COUNTY: DUCHESNE
LATITUDE: 40.25772 **LONGITUDE:** -110.11016
UTM SURF EASTINGS: 575671.00 **NORTHINGS:** 4456742.00
FIELD NAME: UNDESIGNATED
LEASE TYPE: 2 - Indian
LEASE NUMBER: 14-20-H62-6269 **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

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RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** INDIAN - WYB000493
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☑ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 139-98
Effective Date: 12/14/2012
Siting: See Order

- ☐ **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 - hmacdonald
27 - Other - bhill

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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: Jorgensen 2-4-9-3-2WH
API Well Number: 43013521070000
Lease Number: 14-20-H62-6269
Surface Owner: FEE (PRIVATE)
Approval Date: 7/22/2013

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

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BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pete Martin Rig #16
Submitted By Kylan Cook Phone Number 435-790-8236
Well Name/Number Jorgensen 2-4-9-3-2WH
Qtr/Qtr NW/NE Section 4 Township 3S Range 2W
Lease Serial Number 14-20-H62-6269
API Number 43-013-52107

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

Date/Time 11/29/2013 08:00 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 _____

Form 3160-3
(August 2007)

RECEIVED
MAR 2 2 2013
BLM Vernal UT

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. 1420H626269
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
2. Name of Operator NEWFIELD EXPLORATION COMPANY Contact: DON S HAMILTON Email: starpoint@etv.net	7. If Unit or CA Agreement, Name and No.
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052	8. Lease Name and Well No. JORGENSEN 2-4-9-3-2WH
3b. Phone No. (include area code) Ph: 435-719-2018 Fx: 435-719-2019	9. API Well No. 43013 52107
4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface Lot 2 231FNL 1360FEL 40.152772 N Lat, 110.063664 W Lon At proposed prod. zone SWSE 330FSL 1980FEL 40.152772 N Lat, 110.063664 W Lon Sec. 9	10. Field and Pool, or Exploratory UNDESIGNATED
	11. Sec., T., R., M., or Blk. and Survey or Area Sec 4 T3S R2W Mer UBM SME: FEE
14. Distance in miles and direction from nearest town or post office* 7 MILES NORTHWEST OF MYTON, UT	12. County or Parish DUCHESNE / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 231	16. No. of Acres in Lease 4130.84 / 17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 0	19. Proposed Depth 19407 MD 8947 TVD / 20. BLM/BIA Bond No. on file RLB0010462
21. Elevations (Show whether DF, KB, RT, GL, etc. 5341 GL	22. Approximate date work will start 04/01/2013 / 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:

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

25. Signature (Electronic Submission)	Name (Printed/Typed) DON S HAMILTON Ph: 435-719-2018	Date 03/20/2013
Title PERMITTING AGENT		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date NOV 15 20
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

CONDITIONS OF APPROVAL ATTACHED

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

Additional Operator Remarks (see next page)

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NOV 29 2013
DIV. OF OIL, GAS & MINING

Electronic Submission #202109 verified by the BLM Well Information System
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 03/26/2013 (13JM0900AE)

NOTICE OF APPROVAL

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** 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:**	**LOT 2, Sec. 4, T3S, R2W**
Well No:	**JORGENSEN 2-4-9-3-2WH**	**Lease No:**	**14-20-H62-6269**
API No:	**43-013-52107**	**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.

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

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:
Jorgensen 2-4-9-3-2WH

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013521070000

3. ADDRESS OF OPERATOR:
1001 17th Street, Suite 2000 , Denver, CO, 80202

PHONE NUMBER:
303 382-4443 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0231 FNL 1360 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 04 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		
✓ NOTICE OF INTENT Approximate date work will start: 1/3/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Directional wellbore change

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

Newfield is submitting this sundry notice containing a revised directional survey and consent from Bill Barrett Corporation (BBC), for the portion of the planned wellbore in Section 33, T2S-R2W, which will be cased and cemented and shall not be perforated nor produced. In addition, the cased and cemented portion of the lateral existing from the surface location to 330' FNL, Section 4, T3S, R2W, shall be neither perforated nor produced. Attached is the directional drilling plan, BBC Consent Letter and Newfield sundry letter. The surface, top production, and BHL footages remain the same.

Approved by the Utah Division of Oil, Gas and Mining

Date: January 06, 2014

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Matt Barber	303 382-4493	Senior Regulatory Specialist
SIGNATURE		**DATE**
N/A		1/3/2014

RECEIVED: Jan. 03, 2014

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

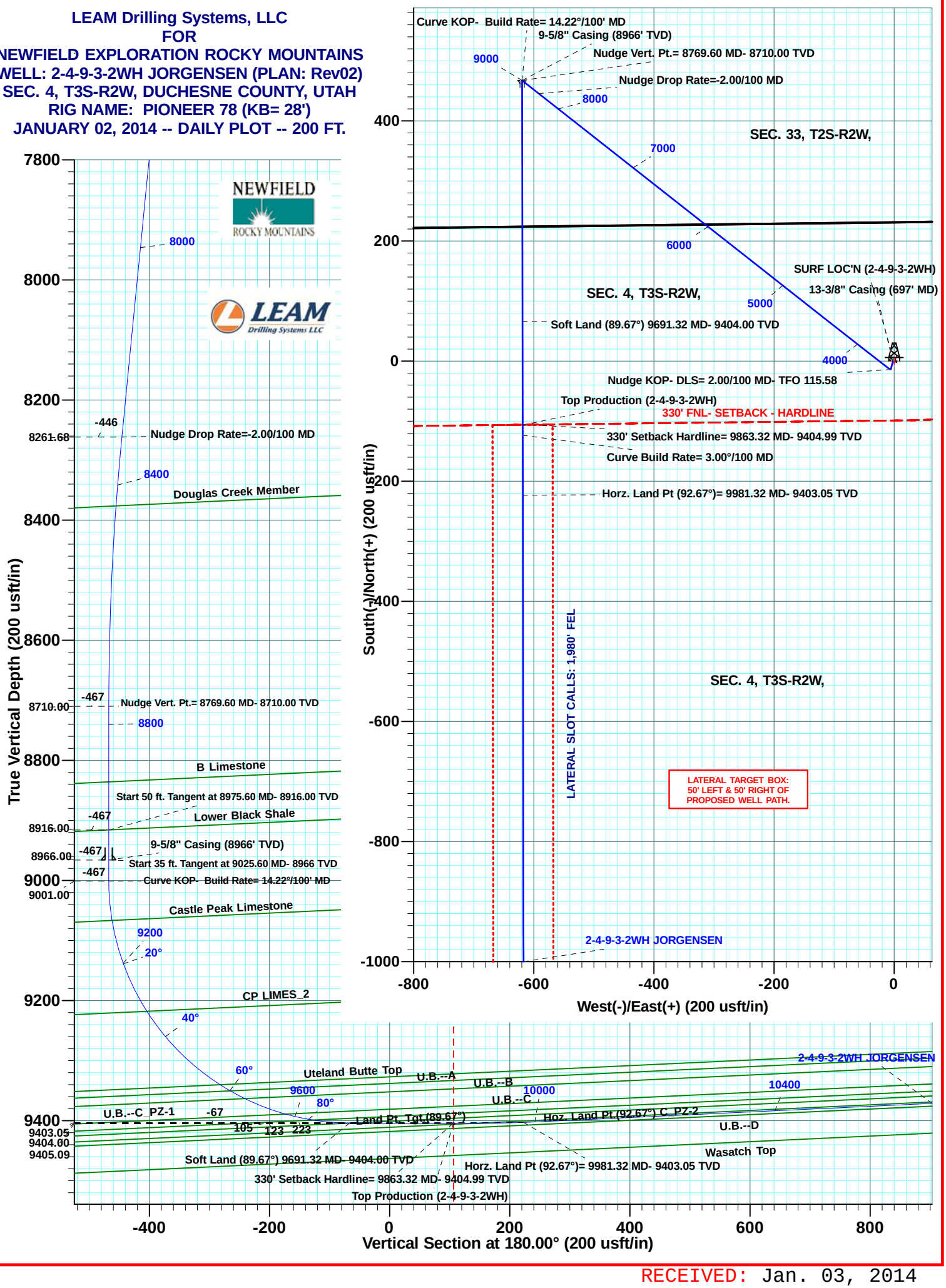
Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013521070000

The wellbore shall be cased and cemented and not produced outside the legal setbacks as defined by Board Cause No. 139-98 (No higher than 9863' MD and no deeper than 19738' MD from the dx survey plan).

RECEIVED: Jan. 06, 2014

LEAM Drilling Systems, LLC
FOR
NEWFIELD EXPLORATION ROCKY MOUNTAINS
WELL: 2-4-9-3-2WH JORGENSEN (PLAN: Rev02)
SEC. 4, T3S-R2W, DUCHESNE COUNTY, UTAH
RIG NAME: PIONEER 78 (KB= 28')
JANUARY 02, 2014 -- DAILY PLOT -- 200 FT.



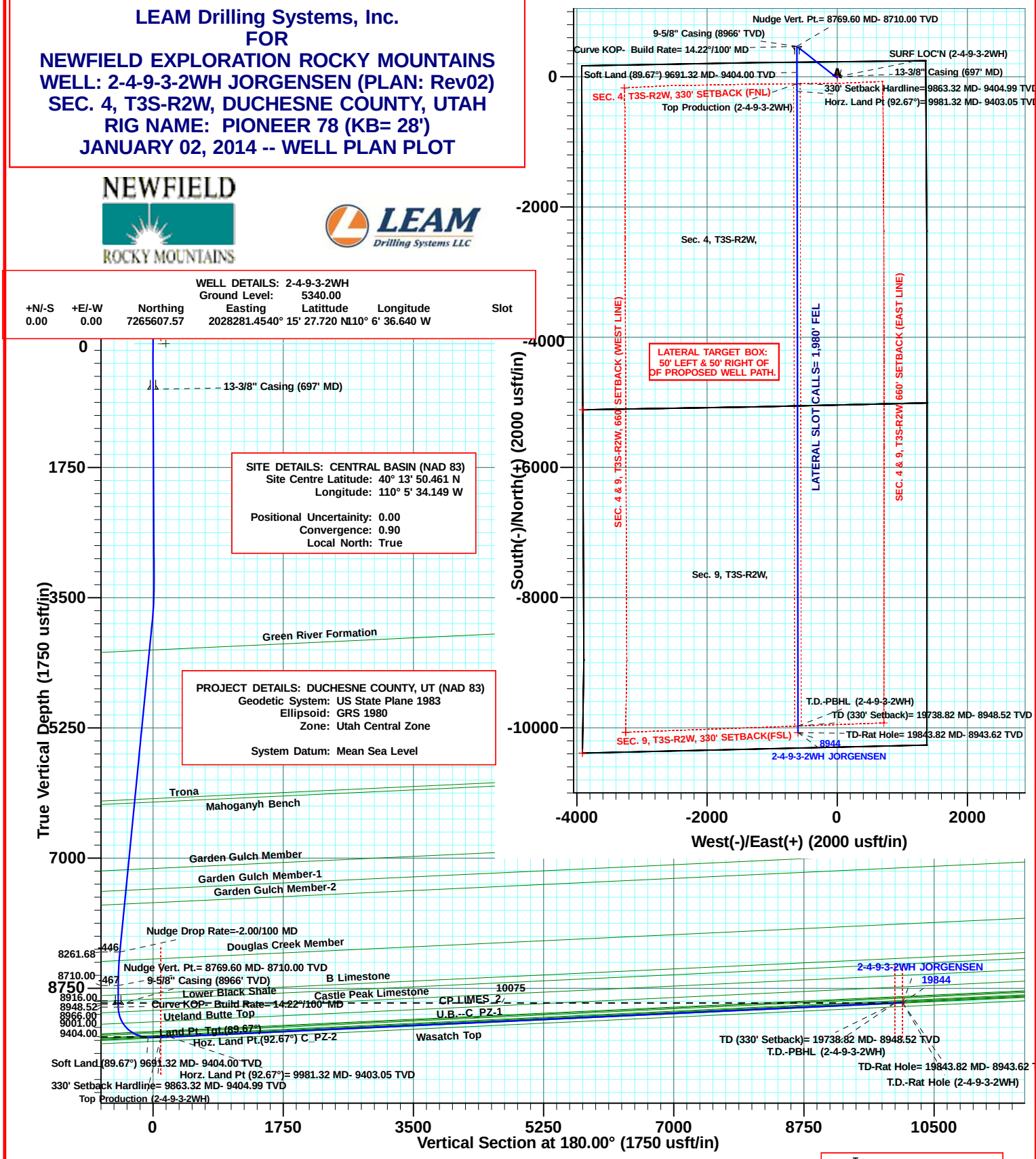
LEAM Drilling Systems, Inc.
FOR
NEWFIELD EXPLORATION ROCKY MOUNTAINS
WELL: 2-4-9-3-2WH JORGENSEN (PLAN: Rev02)
SEC. 4, T3S-R2W, DUCHESNE COUNTY, UTAH
RIG NAME: PIONEER 78 (KB= 28')
JANUARY 02, 2014 -- WELL PLAN PLOT

NEWFIELD ROCKY MOUNTAINS

LEAM Drilling Systems LLC

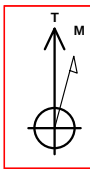
WELL DETAILS: 2-4-9-3-2WH
Ground Level: 5340.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7265607.57	2028281.45	40° 15' 27.720 N	110° 6' 36.640 W	



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
697.00	0.30	194.32	696.99	-0.53	-2.13	0.00	0.00	0.53		Start 2633 ft Tangent at 697.00 MD
3330.00	0.30	194.32	3329.95	-13.94	-5.55	0.00	0.00	13.94		Nudge KOP- DLS= 2.00/100 MD- TFO 115.58
3786.46	9.00	308.19	3784.56	7.03	-33.98	2.00	115.58	-7.03		EOB- Start 4533 ft Tangent at 3786.46 MD
8319.43	9.00	308.19	8261.68	445.64	-591.51	0.00	0.00	-445.64		Nudge Drop Rate=-2.00/100 MD
8769.60	0.00	0.00	8710.00	467.46	-619.25	2.00	180.00	-467.46		Nudge Vert. Pt.= 8769.60 MD- 8710.00 TVD
8975.60	0.00	0.00	8916.00	467.46	-619.25	0.00	0.00	-467.46		Start 50 ft. Tangent at 8975.60 MD- 8916.00 TVD
9025.60	0.00	0.00	8966.00	467.46	-619.25	0.00	0.00	-467.46		Start 35 ft. Tangent at 9025.60 MD- 8966 TVD
9060.60	0.00	0.00	9001.00	467.46	-619.25	0.00	0.00	-467.46		Curve KOP- Build Rate= 14.22°/100' MD
9691.32	89.67	179.91	9404.00	66.77	-618.62	14.22	179.91	-66.77		Soft Land (89.67°) 9691.32 MD- 9404.00 TVD
9863.32	89.67	179.91	9404.99	-105.22	-618.35	0.00	0.00	105.22		330' Setback Hardline= 9863.32 MD- 9404.99 TVD
9881.32	89.67	179.91	9405.09	-123.22	-618.32	0.00	0.00	123.22		Curve Build Rate= 3.00°/100 MD
9981.32	92.67	179.91	9403.05	-223.19	-618.17	3.00	0.00	223.19		Horz. Land Pt (92.67°)= 9981.32 MD- 9403.05 TVD
19738.82	92.67	179.91	8948.52	-9970.08	-602.85	0.00	0.00	9970.08		TD (330' Setback)= 19738.82 MD- 8948.52 TVD
19843.82	92.67	179.91	8943.62	-10074.97	-602.69	0.00	0.00	10074.97		TD-Rat Hole= 19843.82 MD- 8943.62 TVD



Azimuths to True North
Magnetic North: 11.13°

Magnetic Field
Strength: 52037.8snT
Dip Angle: 65.88°
Date: 1/4/2014
Model: BGGM2013

Plan: 2-4-9-3-2WH Jorgensen Rev02 (2-4-9-3-2WH/2-4-9-3-2WH JORGENSEN)
Created By: LEAM DRILLING SYSTEMS Date: 19:03, January 02 2014

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

LEAM Drilling Systems LLC

Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen 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	**Latitude:**	40° 13' 50.461 N
From:	Map	**Easting:**	2,033,280.24 usft	**Longitude:**	110° 5' 34.149 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	20 "	**Grid Convergence:**	0.90 °

Well 2-4-9-3-2WH, JORGENSEN

Well Position	**+N/-S**	9,841.80 usft	**Northing:**	7,265,607.58 usft	**Latitude:**	40° 15' 27.720 N
	+E/-W	-4,844.56 usft	**Easting:**	2,028,281.44 usft	**Longitude:**	110° 6' 36.640 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,368.00 usft	**Ground Level:**	5,340.00 usft

Wellbore 2-4-9-3-2WH JORGENSEN

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	1/4/2014	11.13	65.88	52,038

Design 2-4-9-3-2WH Jorgensen Rev02

Audit Notes:

Version:	Rev02	**Phase:**	PROTOTYPE	**Tie On Depth:**	697.00

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
697.00	0.30	194.32	696.99	-0.53	-2.13	0.00	0.00	0.00	0.00	
3,330.00	0.30	194.32	3,329.95	-13.94	-5.55	0.00	0.00	0.00	0.00	
3,786.46	9.00	308.19	3,784.56	7.03	-33.98	2.00	1.91	24.95	115.58	
8,319.43	9.00	308.19	8,261.68	445.64	-591.51	0.00	0.00	0.00	0.00	
8,769.60	0.00	0.00	8,710.00	467.46	-619.25	2.00	-2.00	0.00	180.00	
8,975.60	0.00	0.00	8,916.00	467.46	-619.25	0.00	0.00	0.00	0.00	
9,025.60	0.00	0.00	8,966.00	467.46	-619.25	0.00	0.00	0.00	0.00	
9,060.60	0.00	0.00	9,001.00	467.46	-619.25	0.00	0.00	0.00	0.00	
9,691.32	89.67	179.91	9,404.00	66.77	-618.62	14.22	14.22	0.00	179.91	
9,863.32	89.67	179.91	9,404.99	-105.22	-618.35	0.00	0.00	0.00	0.00	
9,881.32	89.67	179.91	9,405.09	-123.22	-618.32	0.00	0.00	0.00	0.00	
9,981.32	92.67	179.91	9,403.05	-223.19	-618.17	3.00	3.00	0.00	0.00	
19,738.82	92.67	179.91	8,948.52	-9,970.08	-602.85	0.00	0.00	0.00	0.00	T.D.-PBHL (2-4-9-3
19,843.82	92.67	179.91	8,943.62	-10,074.97	-602.69	0.00	0.00	0.00	0.00	T.D.-Rat Hole (2-4-9

RECEIVED: Jan. 03, 2014

LEAM Drilling Systems LLC

Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen 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
LATERAL TARGET BOX (2-4-9-3-2WH) - SURF LOC'N (2-4-9-3-2WH)									
28.00	0.00	0.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00
95.03	0.34	254.36	95.03	-0.05	-0.19	0.05	0.50	0.50	0.00
SEC. 4, T3S-R2W, 330' SETBACK (FNL)									
106.58	0.40	254.36	106.58	-0.07	-0.26	0.07	0.50	0.50	0.00
Sec. 4, T3S-R2W,									
128.00	0.50	254.36	128.00	-0.12	-0.42	0.12	0.50	0.50	0.00
228.00	0.51	335.40	228.00	0.17	-1.03	-0.17	0.66	0.01	81.04
328.00	0.47	204.43	327.99	0.20	-1.39	-0.20	0.89	-0.04	-130.97
428.00	0.30	157.10	427.99	-0.42	-1.46	0.42	0.35	-0.17	-47.33
528.00	0.33	339.18	527.99	-0.39	-1.46	0.39	0.63	0.03	-177.92
628.00	0.39	246.14	627.99	-0.26	-1.87	0.26	0.53	0.06	-93.04
697.00	0.30	194.32	696.99	-0.53	-2.13	0.53	0.45	-0.13	-75.09
Start 2633 ft Tangent at 697.00 MD - 13-3/8" Casing (697' MD)									
700.00	0.30	194.32	699.99	-0.55	-2.14	0.55	0.00	0.00	0.00
800.00	0.30	194.32	799.99	-1.06	-2.27	1.06	0.00	0.00	0.00
900.00	0.30	194.32	899.99	-1.57	-2.40	1.57	0.00	0.00	0.00
1,000.00	0.30	194.32	999.99	-2.08	-2.53	2.08	0.00	0.00	0.00
1,100.00	0.30	194.32	1,099.98	-2.59	-2.65	2.59	0.00	0.00	0.00
1,200.00	0.30	194.32	1,199.98	-3.09	-2.78	3.09	0.00	0.00	0.00
1,300.00	0.30	194.32	1,299.98	-3.60	-2.91	3.60	0.00	0.00	0.00
1,400.00	0.30	194.32	1,399.98	-4.11	-3.04	4.11	0.00	0.00	0.00
1,500.00	0.30	194.32	1,499.98	-4.62	-3.17	4.62	0.00	0.00	0.00
1,600.00	0.30	194.32	1,599.98	-5.13	-3.30	5.13	0.00	0.00	0.00
1,700.00	0.30	194.32	1,699.98	-5.64	-3.43	5.64	0.00	0.00	0.00
1,800.00	0.30	194.32	1,799.97	-6.15	-3.56	6.15	0.00	0.00	0.00
1,900.00	0.30	194.32	1,899.97	-6.66	-3.69	6.66	0.00	0.00	0.00
2,000.00	0.30	194.32	1,999.97	-7.17	-3.82	7.17	0.00	0.00	0.00
2,100.00	0.30	194.32	2,099.97	-7.68	-3.95	7.68	0.00	0.00	0.00
2,200.00	0.30	194.32	2,199.97	-8.18	-4.08	8.18	0.00	0.00	0.00
2,300.00	0.30	194.32	2,299.97	-8.69	-4.21	8.69	0.00	0.00	0.00
2,400.00	0.30	194.32	2,399.97	-9.20	-4.34	9.20	0.00	0.00	0.00
2,500.00	0.30	194.32	2,499.96	-9.71	-4.47	9.71	0.00	0.00	0.00
2,600.00	0.30	194.32	2,599.96	-10.22	-4.60	10.22	0.00	0.00	0.00
2,700.00	0.30	194.32	2,699.96	-10.73	-4.73	10.73	0.00	0.00	0.00
2,800.00	0.30	194.32	2,799.96	-11.24	-4.86	11.24	0.00	0.00	0.00
2,900.00	0.30	194.32	2,899.96	-11.75	-4.99	11.75	0.00	0.00	0.00
3,000.00	0.30	194.32	2,999.96	-12.26	-5.12	12.26	0.00	0.00	0.00
3,100.00	0.30	194.32	3,099.96	-12.77	-5.25	12.77	0.00	0.00	0.00
3,200.00	0.30	194.32	3,199.95	-13.27	-5.38	13.27	0.00	0.00	0.00
3,300.00	0.30	194.32	3,299.95	-13.78	-5.51	13.78	0.00	0.00	0.00
3,330.00	0.30	194.32	3,329.95	-13.94	-5.55	13.94	0.00	0.00	0.00
Nudge KOP- DLS= 2.00/100 MD- TFO 115.58									
3,400.00	1.30	297.84	3,399.95	-13.74	-6.30	13.74	2.00	1.43	147.88
3,500.00	3.28	305.16	3,499.86	-11.57	-9.64	11.57	2.00	1.98	7.32
3,600.00	5.28	306.97	3,599.58	-7.15	-15.66	7.15	2.00	2.00	1.80
3,700.00	7.28	307.78	3,698.97	-0.51	-24.34	0.51	2.00	2.00	0.81
3,786.46	9.00	308.19	3,784.56	7.03	-33.98	-7.03	2.00	2.00	0.48
EOB- Start 4533 ft Tangent at 3786.46 MD									
3,800.00	9.00	308.19	3,797.93	8.34	-35.65	-8.34	0.00	0.00	0.00

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Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen 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)
3,900.00	9.00	308.19	3,896.70	18.02	-47.95	-18.02	0.00	0.00	0.00
4,000.00	9.00	308.19	3,995.47	27.69	-60.25	-27.69	0.00	0.00	0.00
4,100.00	9.00	308.19	4,094.24	37.37	-72.54	-37.37	0.00	0.00	0.00
4,200.00	9.00	308.19	4,193.00	47.04	-84.84	-47.04	0.00	0.00	0.00
4,210.36	9.00	308.19	4,203.24	48.05	-86.12	-48.05	0.00	0.00	0.00
Green River Formation									
4,300.00	9.00	308.19	4,291.77	56.72	-97.14	-56.72	0.00	0.00	0.00
4,400.00	9.00	308.19	4,390.54	66.40	-109.44	-66.40	0.00	0.00	0.00
4,500.00	9.00	308.19	4,489.31	76.07	-121.74	-76.07	0.00	0.00	0.00
4,600.00	9.00	308.19	4,588.08	85.75	-134.04	-85.75	0.00	0.00	0.00
4,700.00	9.00	308.19	4,686.84	95.42	-146.34	-95.42	0.00	0.00	0.00
4,800.00	9.00	308.19	4,785.61	105.10	-158.64	-105.10	0.00	0.00	0.00
4,900.00	9.00	308.19	4,884.38	114.77	-170.94	-114.77	0.00	0.00	0.00
5,000.00	9.00	308.19	4,983.15	124.45	-183.24	-124.45	0.00	0.00	0.00
5,100.00	9.00	308.19	5,081.92	134.13	-195.54	-134.13	0.00	0.00	0.00
5,200.00	9.00	308.19	5,180.68	143.80	-207.84	-143.80	0.00	0.00	0.00
5,300.00	9.00	308.19	5,279.45	153.48	-220.14	-153.48	0.00	0.00	0.00
5,400.00	9.00	308.19	5,378.22	163.15	-232.44	-163.15	0.00	0.00	0.00
5,500.00	9.00	308.19	5,476.99	172.83	-244.74	-172.83	0.00	0.00	0.00
5,600.00	9.00	308.19	5,575.76	182.51	-257.04	-182.51	0.00	0.00	0.00
5,700.00	9.00	308.19	5,674.52	192.18	-269.33	-192.18	0.00	0.00	0.00
5,800.00	9.00	308.19	5,773.29	201.86	-281.63	-201.86	0.00	0.00	0.00
5,900.00	9.00	308.19	5,872.06	211.53	-293.93	-211.53	0.00	0.00	0.00
6,000.00	9.00	308.19	5,970.83	221.21	-306.23	-221.21	0.00	0.00	0.00
6,100.00	9.00	308.19	6,069.60	230.89	-318.53	-230.89	0.00	0.00	0.00
6,200.00	9.00	308.19	6,168.36	240.56	-330.83	-240.56	0.00	0.00	0.00
6,243.59	9.00	308.19	6,211.42	244.78	-336.19	-244.78	0.00	0.00	0.00
Trona									
6,289.36	9.00	308.19	6,256.62	249.21	-341.82	-249.21	0.00	0.00	0.00
Mahoganyh Bench									
6,300.00	9.00	308.19	6,267.13	250.24	-343.13	-250.24	0.00	0.00	0.00
6,400.00	9.00	308.19	6,365.90	259.91	-355.43	-259.91	0.00	0.00	0.00
6,500.00	9.00	308.19	6,464.67	269.59	-367.73	-269.59	0.00	0.00	0.00
6,600.00	9.00	308.19	6,563.44	279.27	-380.03	-279.27	0.00	0.00	0.00
6,700.00	9.00	308.19	6,662.20	288.94	-392.33	-288.94	0.00	0.00	0.00
6,800.00	9.00	308.19	6,760.97	298.62	-404.63	-298.62	0.00	0.00	0.00
6,900.00	9.00	308.19	6,859.74	308.29	-416.93	-308.29	0.00	0.00	0.00
7,000.00	9.00	308.19	6,958.51	317.97	-429.23	-317.97	0.00	0.00	0.00
7,100.00	9.00	308.19	7,057.27	327.64	-441.53	-327.64	0.00	0.00	0.00
7,198.67	9.00	308.19	7,154.72	337.19	-453.66	-337.19	0.00	0.00	0.00
Garden Gulch Member									
7,200.00	9.00	308.19	7,156.04	337.32	-453.83	-337.32	0.00	0.00	0.00
7,300.00	9.00	308.19	7,254.81	347.00	-466.12	-347.00	0.00	0.00	0.00
7,400.00	9.00	308.19	7,353.58	356.67	-478.42	-356.67	0.00	0.00	0.00
7,478.37	9.00	308.19	7,430.99	364.26	-488.06	-364.26	0.00	0.00	0.00
Garden Gulch Member-1									
7,500.00	9.00	308.19	7,452.35	366.35	-490.72	-366.35	0.00	0.00	0.00
7,600.00	9.00	308.19	7,551.11	376.02	-503.02	-376.02	0.00	0.00	0.00
7,665.52	9.00	308.19	7,615.83	382.36	-511.08	-382.36	0.00	0.00	0.00
Garden Gulch Member-2									
7,700.00	9.00	308.19	7,649.88	385.70	-515.32	-385.70	0.00	0.00	0.00

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NEWFIELD ROCKY MOUNTAINS

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Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen 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)
7,800.00	9.00	308.19	7,748.65	395.38	-527.62	-395.38	0.00	0.00	0.00
7,900.00	9.00	308.19	7,847.42	405.05	-539.92	-405.05	0.00	0.00	0.00
8,000.00	9.00	308.19	7,946.19	414.73	-552.22	-414.73	0.00	0.00	0.00
8,100.00	9.00	308.19	8,044.95	424.40	-564.52	-424.40	0.00	0.00	0.00
8,200.00	9.00	308.19	8,143.72	434.08	-576.82	-434.08	0.00	0.00	0.00
8,300.00	9.00	308.19	8,242.49	443.76	-589.12	-443.76	0.00	0.00	0.00
8,319.43	9.00	308.19	8,261.68	445.64	-591.51	-445.64	0.00	0.00	0.00
Nudge Drop Rate=-2.00/100 MD									
8,400.00	7.39	308.19	8,341.42	452.74	-600.54	-452.74	2.00	-2.00	0.00
8,435.08	6.69	308.19	8,376.24	455.40	-603.92	-455.40	2.00	-2.00	0.00
Douglas Creek Member									
8,500.00	5.39	308.19	8,440.80	459.62	-609.29	-459.62	2.00	-2.00	0.00
8,600.00	3.39	308.19	8,540.50	464.36	-615.31	-464.36	2.00	-2.00	0.00
8,700.00	1.39	308.19	8,640.41	466.94	-618.59	-466.94	2.00	-2.00	0.00
8,769.60	0.00	0.00	8,710.00	467.46	-619.25	-467.46	2.00	-2.00	0.00
Nudge Vert. Pt.= 8769.60 MD- 8710.00 TVD									
8,800.00	0.00	0.00	8,740.40	467.46	-619.25	-467.46	0.00	0.00	0.00
8,895.40	0.00	0.00	8,835.80	467.46	-619.25	-467.46	0.00	0.00	0.00
B Limestone									
8,900.00	0.00	0.00	8,840.40	467.46	-619.25	-467.46	0.00	0.00	0.00
8,975.40	0.00	0.00	8,915.80	467.46	-619.25	-467.46	0.00	0.00	0.00
Lower Black Shale									
8,975.60	0.00	0.00	8,916.00	467.46	-619.25	-467.46	0.00	0.00	0.00
Start 50 ft. Tangent at 8975.60 MD- 8916.00 TVD									
9,000.00	0.00	0.00	8,940.40	467.46	-619.25	-467.46	0.00	0.00	0.00
9,025.60	0.00	0.00	8,966.00	467.46	-619.25	-467.46	0.00	0.00	0.00
Start 35 ft. Tangent at 9025.60 MD- 8966 TVD - 9-5/8" Casing (8966' TVD)									
9,060.60	0.00	0.00	9,001.00	467.46	-619.25	-467.46	0.00	0.00	0.00
Curve KOP- Build Rate= 14.22°/100' MD									
9,075.00	2.05	179.91	9,015.40	467.20	-619.25	-467.20	14.22	14.22	0.00
9,100.00	5.60	179.91	9,040.34	465.54	-619.25	-465.54	14.22	14.22	0.00
9,125.00	9.16	179.91	9,065.13	462.33	-619.24	-462.33	14.22	14.22	0.00
9,126.44	9.36	179.91	9,066.55	462.09	-619.24	-462.09	14.22	14.22	0.00
Castle Peak Limestone									
9,150.00	12.71	179.91	9,089.67	457.58	-619.23	-457.58	14.22	14.22	0.00
9,175.00	16.26	179.91	9,113.87	451.33	-619.22	-451.33	14.22	14.22	0.00
9,200.00	19.82	179.91	9,137.64	443.59	-619.21	-443.59	14.22	14.22	0.00
9,225.00	23.37	179.91	9,160.88	434.39	-619.20	-434.39	14.22	14.22	0.00
9,250.00	26.93	179.91	9,183.50	423.77	-619.18	-423.77	14.22	14.22	0.00
9,275.00	30.48	179.91	9,205.43	411.76	-619.16	-411.76	14.22	14.22	0.00
9,289.57	32.55	179.91	9,217.85	404.15	-619.15	-404.15	14.22	14.22	0.00
CP LIMES_2									
9,300.00	34.04	179.91	9,226.57	398.42	-619.14	-398.42	14.22	14.22	0.00
9,325.00	37.59	179.91	9,246.84	383.79	-619.12	-383.79	14.22	14.22	0.00
9,350.00	41.14	179.91	9,266.16	367.94	-619.09	-367.94	14.22	14.22	0.00
9,375.00	44.70	179.91	9,284.47	350.92	-619.07	-350.92	14.22	14.22	0.00
9,400.00	48.25	179.91	9,301.68	332.79	-619.04	-332.79	14.22	14.22	0.00
9,425.00	51.81	179.91	9,317.74	313.64	-619.01	-313.64	14.22	14.22	0.00
9,450.00	55.36	179.91	9,332.57	293.52	-618.98	-293.52	14.22	14.22	0.00
9,463.68	57.31	179.91	9,340.16	282.14	-618.96	-282.14	14.22	14.22	0.00
Uteland Butte Top									

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Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
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Design:	2-4-9-3-2WH Jorgensen 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)
9,475.00	58.92	179.91	9,346.14	272.53	-618.94	-272.53	14.22	14.22	0.00
9,483.35	60.10	179.91	9,350.37	265.33	-618.93	-265.33	14.22	14.22	0.00
U.B.--A									
9,500.00	62.47	179.91	9,358.37	250.73	-618.91	-250.73	14.22	14.22	0.00
9,510.81	64.01	179.91	9,363.24	241.07	-618.89	-241.07	14.22	14.22	0.00
U.B.--B									
9,525.00	66.02	179.91	9,369.23	228.22	-618.87	-228.22	14.22	14.22	0.00
9,550.00	69.58	179.91	9,378.68	205.07	-618.84	-205.07	14.22	14.22	0.00
9,575.00	73.13	179.91	9,386.67	181.39	-618.80	-181.39	14.22	14.22	0.00
9,583.59	74.35	179.91	9,389.07	173.14	-618.79	-173.14	14.22	14.22	0.00
U.B.--C									
9,600.00	76.69	179.91	9,393.18	157.26	-618.76	-157.26	14.22	14.22	0.00
9,625.00	80.24	179.91	9,398.18	132.76	-618.72	-132.76	14.22	14.22	0.00
9,629.85	80.93	179.91	9,398.97	127.98	-618.72	-127.98	14.22	14.22	0.00
U.B.--C_PZ-1									
9,650.00	83.80	179.91	9,401.65	108.01	-618.69	-108.01	14.22	14.22	0.00
9,675.00	87.35	179.91	9,403.58	83.09	-618.65	-83.09	14.22	14.22	0.00
9,691.32	89.67	179.91	9,404.00	66.77	-618.62	-66.77	14.22	14.22	0.00
Soft Land (89.67°) 9691.32 MD- 9404.00 TVD									
9,693.50	89.67	179.91	9,404.01	64.60	-618.62	-64.60	0.00	0.00	0.00
Land Pt. Tgt.(89.67°)									
9,700.00	89.67	179.91	9,404.05	58.10	-618.61	-58.10	0.00	0.00	0.00
9,800.00	89.67	179.91	9,404.63	-41.90	-618.45	41.90	0.00	0.00	0.00
9,863.32	89.67	179.91	9,404.99	-105.22	-618.35	105.22	0.00	0.00	0.00
330' Setback Hardline= 9863.32 MD- 9404.99 TVD									
9,864.33	89.67	179.91	9,405.00	-106.23	-618.35	106.23	0.00	0.00	0.00
Top Production (2-4-9-3-2WH)									
9,881.32	89.67	179.91	9,405.09	-123.22	-618.32	123.22	0.00	0.00	0.00
Curve Build Rate= 3.00°/100 MD									
9,884.41	89.76	179.91	9,405.11	-126.31	-618.32	126.31	3.00	3.00	0.00
Hoz. Land Pt.(92.67°) C_PZ-2									
9,900.00	90.23	179.91	9,405.11	-141.90	-618.29	141.90	3.00	3.00	0.00
9,981.32	92.67	179.91	9,403.05	-223.19	-618.17	223.19	3.00	3.00	0.00
Horz. Land Pt (92.67°)= 9981.32 MD- 9403.05 TVD									
10,000.00	92.67	179.91	9,402.18	-241.85	-618.14	241.85	0.00	0.00	0.00
10,100.00	92.67	179.91	9,397.52	-341.74	-617.98	341.74	0.00	0.00	0.00
10,200.00	92.67	179.91	9,392.87	-441.63	-617.82	441.63	0.00	0.00	0.00
10,300.00	92.67	179.91	9,388.21	-541.52	-617.67	541.52	0.00	0.00	0.00
10,400.00	92.67	179.91	9,383.55	-641.41	-617.51	641.41	0.00	0.00	0.00
10,500.00	92.67	179.91	9,378.89	-741.31	-617.35	741.31	0.00	0.00	0.00
10,600.00	92.67	179.91	9,374.23	-841.20	-617.19	841.20	0.00	0.00	0.00
10,700.00	92.67	179.91	9,369.57	-941.09	-617.04	941.09	0.00	0.00	0.00
10,800.00	92.67	179.91	9,364.92	-1,040.98	-616.88	1,040.98	0.00	0.00	0.00
10,900.00	92.67	179.91	9,360.26	-1,140.87	-616.72	1,140.87	0.00	0.00	0.00
11,000.00	92.67	179.91	9,355.60	-1,240.76	-616.57	1,240.76	0.00	0.00	0.00
11,100.00	92.67	179.91	9,350.94	-1,340.65	-616.41	1,340.65	0.00	0.00	0.00
11,200.00	92.67	179.91	9,346.28	-1,440.54	-616.25	1,440.54	0.00	0.00	0.00
11,300.00	92.67	179.91	9,341.62	-1,540.44	-616.10	1,540.44	0.00	0.00	0.00
11,400.00	92.67	179.91	9,336.97	-1,640.33	-615.94	1,640.33	0.00	0.00	0.00
11,500.00	92.67	179.91	9,332.31	-1,740.22	-615.78	1,740.22	0.00	0.00	0.00
11,600.00	92.67	179.91	9,327.65	-1,840.11	-615.63	1,840.11	0.00	0.00	0.00

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LEAM Drilling Systems LLC

Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen 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)
11,700.00	92.67	179.91	9,322.99	-1,940.00	-615.47	1,940.00	0.00	0.00	0.00
11,800.00	92.67	179.91	9,318.33	-2,039.89	-615.31	2,039.89	0.00	0.00	0.00
11,900.00	92.67	179.91	9,313.67	-2,139.78	-615.15	2,139.78	0.00	0.00	0.00
12,000.00	92.67	179.91	9,309.02	-2,239.67	-615.00	2,239.67	0.00	0.00	0.00
12,100.00	92.67	179.91	9,304.36	-2,339.57	-614.84	2,339.57	0.00	0.00	0.00
12,200.00	92.67	179.91	9,299.70	-2,439.46	-614.68	2,439.46	0.00	0.00	0.00
12,300.00	92.67	179.91	9,295.04	-2,539.35	-614.53	2,539.35	0.00	0.00	0.00
12,400.00	92.67	179.91	9,290.38	-2,639.24	-614.37	2,639.24	0.00	0.00	0.00
12,500.00	92.67	179.91	9,285.72	-2,739.13	-614.21	2,739.13	0.00	0.00	0.00
12,600.00	92.67	179.91	9,281.07	-2,839.02	-614.06	2,839.02	0.00	0.00	0.00
12,700.00	92.67	179.91	9,276.41	-2,938.91	-613.90	2,938.91	0.00	0.00	0.00
12,800.00	92.67	179.91	9,271.75	-3,038.81	-613.74	3,038.81	0.00	0.00	0.00
12,900.00	92.67	179.91	9,267.09	-3,138.70	-613.59	3,138.70	0.00	0.00	0.00
13,000.00	92.67	179.91	9,262.43	-3,238.59	-613.43	3,238.59	0.00	0.00	0.00
13,100.00	92.67	179.91	9,257.77	-3,338.48	-613.27	3,338.48	0.00	0.00	0.00
13,200.00	92.67	179.91	9,253.12	-3,438.37	-613.11	3,438.37	0.00	0.00	0.00
13,300.00	92.67	179.91	9,248.46	-3,538.26	-612.96	3,538.26	0.00	0.00	0.00
13,400.00	92.67	179.91	9,243.80	-3,638.15	-612.80	3,638.15	0.00	0.00	0.00
13,500.00	92.67	179.91	9,239.14	-3,738.04	-612.64	3,738.04	0.00	0.00	0.00
13,600.00	92.67	179.91	9,234.48	-3,837.94	-612.49	3,837.94	0.00	0.00	0.00
13,700.00	92.67	179.91	9,229.82	-3,937.83	-612.33	3,937.83	0.00	0.00	0.00
13,800.00	92.67	179.91	9,225.17	-4,037.72	-612.17	4,037.72	0.00	0.00	0.00
13,900.00	92.67	179.91	9,220.51	-4,137.61	-612.02	4,137.61	0.00	0.00	0.00
14,000.00	92.67	179.91	9,215.85	-4,237.50	-611.86	4,237.50	0.00	0.00	0.00
14,100.00	92.67	179.91	9,211.19	-4,337.39	-611.70	4,337.39	0.00	0.00	0.00
14,200.00	92.67	179.91	9,206.53	-4,437.28	-611.55	4,437.28	0.00	0.00	0.00
14,300.00	92.67	179.91	9,201.87	-4,537.18	-611.39	4,537.18	0.00	0.00	0.00
14,400.00	92.67	179.91	9,197.22	-4,637.07	-611.23	4,637.07	0.00	0.00	0.00
14,500.00	92.67	179.91	9,192.56	-4,736.96	-611.07	4,736.96	0.00	0.00	0.00
14,600.00	92.67	179.91	9,187.90	-4,836.85	-610.92	4,836.85	0.00	0.00	0.00
14,700.00	92.67	179.91	9,183.24	-4,936.74	-610.76	4,936.74	0.00	0.00	0.00
14,800.00	92.67	179.91	9,178.58	-5,036.63	-610.60	5,036.63	0.00	0.00	0.00
14,900.00	92.67	179.91	9,173.92	-5,136.52	-610.45	5,136.52	0.00	0.00	0.00
15,000.00	92.67	179.91	9,169.27	-5,236.41	-610.29	5,236.41	0.00	0.00	0.00
15,100.00	92.67	179.91	9,164.61	-5,336.31	-610.13	5,336.31	0.00	0.00	0.00
15,200.00	92.67	179.91	9,159.95	-5,436.20	-609.98	5,436.20	0.00	0.00	0.00
15,300.00	92.67	179.91	9,155.29	-5,536.09	-609.82	5,536.09	0.00	0.00	0.00
15,400.00	92.67	179.91	9,150.63	-5,635.98	-609.66	5,635.98	0.00	0.00	0.00
15,500.00	92.67	179.91	9,145.97	-5,735.87	-609.51	5,735.87	0.00	0.00	0.00
15,600.00	92.67	179.91	9,141.32	-5,835.76	-609.35	5,835.76	0.00	0.00	0.00
15,700.00	92.67	179.91	9,136.66	-5,935.65	-609.19	5,935.65	0.00	0.00	0.00
15,800.00	92.67	179.91	9,132.00	-6,035.54	-609.04	6,035.54	0.00	0.00	0.00
15,900.00	92.67	179.91	9,127.34	-6,135.44	-608.88	6,135.44	0.00	0.00	0.00
16,000.00	92.67	179.91	9,122.68	-6,235.33	-608.72	6,235.33	0.00	0.00	0.00
16,100.00	92.67	179.91	9,118.02	-6,335.22	-608.56	6,335.22	0.00	0.00	0.00
16,200.00	92.67	179.91	9,113.37	-6,435.11	-608.41	6,435.11	0.00	0.00	0.00
16,300.00	92.67	179.91	9,108.71	-6,535.00	-608.25	6,535.00	0.00	0.00	0.00
16,400.00	92.67	179.91	9,104.05	-6,634.89	-608.09	6,634.89	0.00	0.00	0.00
16,500.00	92.67	179.91	9,099.39	-6,734.78	-607.94	6,734.78	0.00	0.00	0.00
16,600.00	92.67	179.91	9,094.73	-6,834.68	-607.78	6,834.68	0.00	0.00	0.00
16,700.00	92.67	179.91	9,090.07	-6,934.57	-607.62	6,934.57	0.00	0.00	0.00
16,800.00	92.67	179.91	9,085.42	-7,034.46	-607.47	7,034.46	0.00	0.00	0.00

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LEAM Drilling Systems LLC

Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen 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)
16,900.00	92.67	179.91	9,080.76	-7,134.35	-607.31	7,134.35	0.00	0.00	0.00
17,000.00	92.67	179.91	9,076.10	-7,234.24	-607.15	7,234.24	0.00	0.00	0.00
17,100.00	92.67	179.91	9,071.44	-7,334.13	-607.00	7,334.13	0.00	0.00	0.00
17,200.00	92.67	179.91	9,066.78	-7,434.02	-606.84	7,434.02	0.00	0.00	0.00
17,300.00	92.67	179.91	9,062.12	-7,533.91	-606.68	7,533.91	0.00	0.00	0.00
17,400.00	92.67	179.91	9,057.47	-7,633.81	-606.52	7,633.81	0.00	0.00	0.00
17,500.00	92.67	179.91	9,052.81	-7,733.70	-606.37	7,733.70	0.00	0.00	0.00
17,600.00	92.67	179.91	9,048.15	-7,833.59	-606.21	7,833.59	0.00	0.00	0.00
17,700.00	92.67	179.91	9,043.49	-7,933.48	-606.05	7,933.48	0.00	0.00	0.00
17,800.00	92.67	179.91	9,038.83	-8,033.37	-605.90	8,033.37	0.00	0.00	0.00
17,900.00	92.67	179.91	9,034.17	-8,133.26	-605.74	8,133.26	0.00	0.00	0.00
18,000.00	92.67	179.91	9,029.52	-8,233.15	-605.58	8,233.15	0.00	0.00	0.00
18,100.00	92.67	179.91	9,024.86	-8,333.05	-605.43	8,333.05	0.00	0.00	0.00
18,200.00	92.67	179.91	9,020.20	-8,432.94	-605.27	8,432.94	0.00	0.00	0.00
18,300.00	92.67	179.91	9,015.54	-8,532.83	-605.11	8,532.83	0.00	0.00	0.00
18,400.00	92.67	179.91	9,010.88	-8,632.72	-604.96	8,632.72	0.00	0.00	0.00
18,500.00	92.67	179.91	9,006.22	-8,732.61	-604.80	8,732.61	0.00	0.00	0.00
18,600.00	92.67	179.91	9,001.57	-8,832.50	-604.64	8,832.50	0.00	0.00	0.00
18,700.00	92.67	179.91	8,996.91	-8,932.39	-604.48	8,932.39	0.00	0.00	0.00
18,800.00	92.67	179.91	8,992.25	-9,032.28	-604.33	9,032.28	0.00	0.00	0.00
18,900.00	92.67	179.91	8,987.59	-9,132.18	-604.17	9,132.18	0.00	0.00	0.00
19,000.00	92.67	179.91	8,982.93	-9,232.07	-604.01	9,232.07	0.00	0.00	0.00
19,100.00	92.67	179.91	8,978.27	-9,331.96	-603.86	9,331.96	0.00	0.00	0.00
19,200.00	92.67	179.91	8,973.62	-9,431.85	-603.70	9,431.85	0.00	0.00	0.00
19,300.00	92.67	179.91	8,968.96	-9,531.74	-603.54	9,531.74	0.00	0.00	0.00
19,400.00	92.67	179.91	8,964.30	-9,631.63	-603.39	9,631.63	0.00	0.00	0.00
19,500.00	92.67	179.91	8,959.64	-9,731.52	-603.23	9,731.52	0.00	0.00	0.00
19,600.00	92.67	179.91	8,954.98	-9,831.42	-603.07	9,831.42	0.00	0.00	0.00
19,700.00	92.67	179.91	8,950.32	-9,931.31	-602.92	9,931.31	0.00	0.00	0.00
19,738.79	92.67	179.91	8,948.52	-9,970.06	-602.85	9,970.06	0.00	0.00	0.00
T.D.-PBHL (2-4-9-3-2WH)									
19,738.82	92.67	179.91	8,948.52	-9,970.08	-602.85	9,970.08	0.00	0.00	0.00
TD (330' Setback)= 19738.82 MD- 8948.52 TVD									
19,800.00	92.67	179.91	8,945.67	-10,031.20	-602.76	10,031.20	0.00	0.00	0.00
19,843.80	92.67	179.91	8,943.62	-10,074.95	-602.69	10,074.95	0.00	0.00	0.00
T.D.-Rat Hole (2-4-9-3-2WH)									
19,843.82	92.67	179.91	8,943.62	-10,074.97	-602.69	10,074.97	0.00	0.00	0.00
TD-Rat Hole= 19843.82 MD- 8943.62 TVD - SEC. 9, T3S-R2W, 330' SETBACK(FSL) - SEC. 4 & 9, T3S-R2W, 660' SETBACK									

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LEAM Drilling Systems LLC

Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev02		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SEC. 4 & 9, T3S-R2W	0.00	0.00	0.00	-10,066.84	-3,250.26	7,255,491.45	2,025,188.00	40° 13' 48.231 N	110° 7' 18.549 W
- plan misses target center by 9327.28usft at 19843.82usft MD (8943.62 TVD, -10074.97 N, -602.69 E)									
- Polygon									
Point 1			0.00	0.00	0.00	7,255,491.45	2,025,188.00		
Point 2			0.00	356.12	5.39	7,255,847.61	2,025,187.86		
Point 3			0.00	1,106.93	16.34	7,256,598.50	2,025,187.14		
Point 4			0.00	4,303.43	2.81	7,259,794.40	2,025,123.94		
Point 5			0.00	5,622.91	-1.68	7,261,113.65	2,025,098.95		
Point 6			0.00	7,589.99	-8.40	7,263,080.39	2,025,061.67		
Point 7			0.00	8,920.60	-10.55	7,264,410.81	2,025,038.84		
Point 8			0.00	9,587.43	-13.56	7,265,077.51	2,025,025.47		
Point 9			0.00	9,895.08	-21.51	7,265,385.00	2,025,012.74		
Point 10			0.00	9,895.08	-21.51	7,265,385.00	2,025,012.74		
Point 11			0.00	9,587.43	-13.56	7,265,077.51	2,025,025.47		
Point 12			0.00	8,920.60	-10.55	7,264,410.81	2,025,038.84		
Point 13			0.00	7,589.99	-8.40	7,263,080.39	2,025,061.67		
Point 14			0.00	5,622.91	-1.68	7,261,113.65	2,025,098.95		
Point 15			0.00	4,303.43	2.81	7,259,794.40	2,025,123.94		
Point 16			0.00	1,106.93	16.34	7,256,598.50	2,025,187.14		
Point 17			0.00	356.12	5.39	7,255,847.61	2,025,187.86		
Point 18			0.00	0.00	0.00	7,255,491.45	2,025,188.00		
SEC. 4 & 9, T3S-R2W	0.00	0.00	0.00	-9,924.10	717.44	7,255,695.82	2,029,153.00	40° 13' 49.643 N	110° 6' 27.389 W
- plan misses target center by 9041.79usft at 19843.82usft MD (8943.62 TVD, -10074.97 N, -602.69 E)									
- Polygon									
Point 1			0.00	0.00	0.00	7,255,695.82	2,029,153.00		
Point 2			0.00	304.25	-0.07	7,256,000.03	2,029,148.20		
Point 3			0.00	4,240.43	2.15	7,259,935.77	2,029,089.26		
Point 4			0.00	5,559.90	1.33	7,261,255.07	2,029,067.94		
Point 5			0.00	7,551.27	-1.83	7,263,246.15	2,029,033.84		
Point 6			0.00	9,504.19	-14.29	7,265,198.64	2,028,991.04		
Point 7			0.00	9,851.74	-23.93	7,265,546.00	2,028,976.00		
Point 8			0.00	9,851.74	-23.93	7,265,546.00	2,028,976.00		
Point 9			0.00	9,504.19	-14.29	7,265,198.64	2,028,991.04		
Point 10			0.00	7,551.27	-1.83	7,263,246.15	2,029,033.84		
Point 11			0.00	5,559.90	1.33	7,261,255.07	2,029,067.94		
Point 12			0.00	4,240.43	2.15	7,259,935.77	2,029,089.26		
Point 13			0.00	304.25	-0.07	7,256,000.03	2,029,148.20		
Point 14			0.00	0.00	0.00	7,255,695.82	2,029,153.00		
LATERAL TARGET B	0.00	179.91	0.00	-106.23	-618.64	7,265,491.75	2,027,664.53	40° 15' 26.670 N	110° 6' 44.620 W
- plan misses target center by 627.69usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Rectangle (sides W100.00 H9,866.00 D0.00)									
SURF LOC'N (2-4-9-3	0.00	0.00	0.00	0.00	0.00	7,265,607.58	2,028,281.44	40° 15' 27.720 N	110° 6' 36.640 W
- plan hits target center									
- Point									
SEC. 9, T3S-R2W, 33	0.00	0.00	84.00	-10,066.84	-3,250.26	7,255,491.45	2,025,188.00	40° 13' 48.231 N	110° 7' 18.549 W
- plan misses target center by 9246.76usft at 19843.82usft MD (8943.62 TVD, -10074.97 N, -602.69 E)									
- Polygon									
Point 1			84.00	0.00	0.00	7,255,491.45	2,025,188.00		
Point 2			84.00	142.74	3,967.70	7,255,695.82	2,029,153.00		
Point 3			84.00	142.74	3,967.70	7,255,695.82	2,029,153.00		
Point 4			84.00	0.00	0.00	7,255,491.45	2,025,188.00		
Sec. 4, T3S-R2W,	0.00	0.00	84.00	-5,115.72	-3,909.56	7,260,431.73	2,024,451.85	40° 14' 37.160 N	110° 7' 27.060 W
- plan misses target center by 6438.37usft at 124.32usft MD (124.32 TVD, -0.11 N, -0.39 E)									

RECEIVED: Jan. 03, 2014

LEAM Drilling Systems LLC

Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev02		

- Polygon									
Point 1			84.00	0.00	0.00	7,260,431.73	2,024,451.85		
Point 2			84.00	2,636.94	-8.90	7,263,068.21	2,024,401.98		
Point 3			84.00	3,967.55	-11.01	7,264,398.63	2,024,379.19		
Point 4			84.00	5,284.00	-17.01	7,265,714.83	2,024,352.74		
Point 5			84.00	5,308.11	1,302.44	7,265,759.44	2,025,671.66		
Point 6			84.00	5,332.30	2,628.87	7,265,804.23	2,026,997.55		
Point 7			84.00	5,347.45	3,948.31	7,265,839.88	2,028,316.60		
Point 8			84.00	5,362.66	5,267.76	7,265,875.59	2,029,635.65		
Point 9			84.00	2,744.93	5,284.96	7,263,258.45	2,029,693.52		
Point 10			84.00	106.98	5,289.76	7,260,620.89	2,029,739.31		
Point 11			84.00	47.27	2,661.95	7,260,520.36	2,027,112.74		
Point 12			84.00	0.00	0.00	7,260,431.73	2,024,451.85		
Sec. 9, T3S-R2W,	0.00	0.00	84.00	-10,386.55	-3,915.04	7,255,161.45	2,024,528.26	40° 13' 45.070 N	110° 7' 27.120 W
- plan misses target center by 9463.70usft at 19843.82usft MD (8943.62 TVD, -10074.97 N, -602.69 E)									
- Polygon									
Point 1			84.00	0.00	0.00	7,255,161.45	2,024,528.26		
Point 2			84.00	1,429.76	21.17	7,256,591.37	2,024,527.21		
Point 3			84.00	5,270.83	5.49	7,260,431.73	2,024,451.84		
Point 4			84.00	5,318.11	2,667.44	7,260,520.36	2,027,112.74		
Point 5			84.00	5,377.81	5,295.25	7,260,620.89	2,029,739.30		
Point 6			84.00	122.17	5,291.66	7,255,365.83	2,029,817.37		
Point 7			84.00	0.00	0.00	7,255,161.45	2,024,528.26		
SEC. 4, T3S-R2W, 33	0.00	0.00	84.00	-171.76	-3,271.77	7,265,385.00	2,025,012.74	40° 15' 26.020 N	110° 7' 18.843 W
- plan misses target center by 3276.09usft at 109.06usft MD (109.06 TVD, -0.08 N, -0.28 E)									
- Polygon									
Point 1			84.00	0.00	0.00	7,265,385.00	2,025,012.74		
Point 2			84.00	34.19	659.87	7,265,429.44	2,025,672.00		
Point 3			84.00	58.37	1,986.41	7,265,474.23	2,026,998.00		
Point 4			84.00	73.52	3,305.80	7,265,509.88	2,028,317.00		
Point 5			84.00	99.40	3,965.28	7,265,546.00	2,028,976.00		
Point 6			84.00	99.40	3,965.28	7,265,546.00	2,028,976.00		
Point 7			84.00	73.52	3,305.80	7,265,509.88	2,028,317.00		
Point 8			84.00	58.37	1,986.41	7,265,474.23	2,026,998.00		
Point 9			84.00	34.19	659.87	7,265,429.44	2,025,672.00		
Point 10			84.00	0.00	0.00	7,265,385.00	2,025,012.74		
T.D.-Rat Hole (2-4-9-3	0.00	180.00	8,944.00	-10,074.97	-603.15	7,255,524.45	2,027,834.91	40° 13' 48.152 N	110° 6' 44.417 W
- plan misses target center by 0.59usft at 19843.80usft MD (8943.62 TVD, -10074.95 N, -602.69 E)									
- Rectangle (sides W0.00 H0.00 D1,000.00)									
T.D.-PBHL (2-4-9-3-2	0.00	180.00	8,949.00	-9,970.08	-602.60	7,255,629.34	2,027,833.83	40° 13' 49.189 N	110° 6' 44.410 W
- plan misses target center by 0.55usft at 19738.79usft MD (8948.52 TVD, -9970.06 N, -602.85 E)									
- Rectangle (sides W0.00 H0.00 D1,000.00)									
Top Production (2-4-9	0.00	180.00	9,405.00	-106.23	-618.64	7,265,491.75	2,027,664.52	40° 15' 26.670 N	110° 6' 44.620 W
- plan misses target center by 0.30usft at 9864.33usft MD (9405.00 TVD, -106.23 N, -618.35 E)									
- Rectangle (sides W0.00 H0.00 D1,700.00)									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
697.00	696.99	13-3/8" Casing (697' MD)	13-3/8	17-1/2
9,025.60	8,966.00	9-5/8" Casing (8966' TVD)	9-5/8	12-1/4

RECEIVED: Jan. 03, 2014

LEAM Drilling Systems LLC

Planning Report

NEWFIELD ROCKY MOUNTAINS

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	2-4-9-3-2WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	2-4-9-3-2WH JORGENSEN		
Design:	2-4-9-3-2WH Jorgensen Rev02		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,157.00	0.00	U.B.--D		-2.67	180.00
3,157.00	0.00	Wasatch Top		-2.67	180.00
4,210.36	47.24	Green River Formation		-2.67	180.00
6,243.59	2,055.42	Trona		-2.67	180.00
6,289.36	2,100.62	Mahoganyh Bench		-2.67	180.00
7,198.67	2,998.72	Garden Gulch Member		-2.67	180.00
7,478.37	3,274.99	Garden Gulch Member-1		-2.67	180.00
7,665.52	3,459.83	Garden Gulch Member-2		-2.67	180.00
8,435.08	4,220.24	Douglas Creek Member		-2.67	180.00
8,895.40	4,679.80	B Limestone		-2.67	180.00
8,975.40	4,759.80	Lower Black Shale		-2.67	180.00
9,126.44	4,910.55	Castle Peak Limestone		-2.67	180.00
9,289.57	5,061.85	CP LIMES_2		-2.67	180.00
9,463.68	5,184.16	Uteland Butte Top		-2.67	180.00
9,483.35	5,194.37	U.B.--A		-2.67	180.00
9,510.81	5,207.24	U.B.--B		-2.67	180.00
9,583.59	5,233.07	U.B.--C		-2.67	180.00
9,629.85	5,242.97	U.B.--C_PZ-1		-2.67	180.00
9,693.50	5,248.01	Land Pt. Tgt.(89.67°)		-2.67	180.00
9,884.41	5,249.11	Hoz. Land Pt.(92.67°) C_PZ-2		-2.67	180.00

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
697.00	696.99	-0.53	-2.13	Start 2633 ft Tangent at 697.00 MD
3,330.00	3,329.95	-13.94	-5.55	Nudge KOP- DLS= 2.00/100 MD- TFO 115.58
3,786.46	3,784.56	7.03	-33.98	EOB- Start 4533 ft Tangent at 3786.46 MD
8,319.43	8,261.68	445.64	-591.51	Nudge Drop Rate=-2.00/100 MD
8,769.60	8,710.00	467.46	-619.25	Nudge Vert. Pt.= 8769.60 MD- 8710.00 TVD
8,975.60	8,916.00	467.46	-619.25	Start 50 ft. Tangent at 8975.60 MD- 8916.00 TVD
9,025.60	8,966.00	467.46	-619.25	Start 35 ft. Tangent at 9025.60 MD- 8966 TVD
9,060.60	9,001.00	467.46	-619.25	Curve KOP- Build Rate= 14.22°/100' MD
9,691.32	9,404.00	66.77	-618.62	Soft Land (89.67°) 9691.32 MD- 9404.00 TVD
9,863.32	9,404.99	-105.22	-618.35	330' Setback Hardline= 9863.32 MD- 9404.99 TVD
9,881.32	9,405.09	-123.22	-618.32	Curve Build Rate= 3.00°/100 MD
9,981.32	9,403.05	-223.19	-618.17	Horz. Land Pt (92.67°)= 9981.32 MD- 9403.05 TVD
19,738.82	8,948.52	-9,970.08	-602.85	TD (330' Setback)= 19738.82 MD- 8948.52 TVD
19,843.82	8,943.62	-10,074.97	-602.69	TD-Rat Hole= 19843.82 MD- 8943.62 TVD

RECEIVED: Jan. 03, 2014

NEWFIELD

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

January 3, 2014

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

RE: Jorgensen 2-4-9-3-2WH
Township 3 South, Range 2 West, Sections 4 & 9
Duchesne County, Utah

Dear Mr. Hill:

Newfield Production Company ("Newfield") has received an approved Application for Permit to Drill ("APD") the Jorgensen 2-4-9-3-2WH from a surface location of 231' FNL and 1360' FEL of Section 4, T3S-R2W, to a bottom hole location of 330'FSL and 1980'FEL of Section 9, T3S-R2W. The drilling plan submitted with the APD contemplated that the wellbore be located wholly within the drilling unit comprised of Sections 4 and 9, T3S-R2W. Newfield is submitting a Sundry Notice containing a revised drilling plan which contemplates the location of non-productive portions of the lateral in Section 33, T2S-R2W.

The Jorgensen 2-4-9-3-2WH 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 Jorgensen 2-4-9-3-2WH is 330' FNL and 1980' FEL of T3S-R2W Section 4. Newfield shall case and cement the Jorgensen 2-4-9-3-2WH 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 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. Further, Newfield has obtained authorization from the leasehold owner of the portion of Section 33, T2S-R2W in which portions of the non-producing lateral will be located, as is evidenced by the attached consent

Based on Newfield's compliance with the requirements of Order No. 139-98, Newfield respectfully requests the approval of the Sundry Notice for the Jorgensen 2-4-9-3-2WH.

Should you have questions or require further information, please do not hesitate to contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration of this matter is greatly appreciated.

My Regards,

Shane Gillespie
Landman

Bill Barrett Corporation

January 3, 2014

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

RE: Jorgensen 2-4-9-3-2WH
Sections 4 and 9, Township 3 South, Range 2 West,
Duchesne County, Utah

Dear Mr. Hill;

Newfield Production Company ("Newfield") has advised Bill Barrett Corporation ("BBC") of its intent to submit a Sundry Notice for its Jorgensen 2-4-9-3-2WH. Newfield has also advised BBC the portion of the wellbore existing in Section 33, T2S-R2W will be cased and cemented and shall not be perforated nor produced.

Please be advised that BBC, as the leasehold owner of the S2SE of Section 33, T2S-R2W, consents to and has no objections to Newfield's drilling plan as contemplated in the Sundry Notice dated January 3, 2014. Should you have any questions, please contact me direct at dwatts@billbarrettcorp.com or 303-312-8544.

Sincerely,

David Watts
Uinta Basin Land Manager

1099 18TH STREET
SUITE 2300
DENVER, CO 80202

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: Jorgensen 2-4-9-3-2WH

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521070000

3. ADDRESS OF OPERATOR:
1001 17th Street, Suite 2000 , Denver, CO, 80202

PHONE NUMBER: 303 382-4443 Ext

9. FIELD and POOL or WILDCAT: UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0231 FNL 1360 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 04 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 12/14/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Surface Casing Detail

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

Newfield Production Company respectfully submits this subsequent sundry notice detailing surface operations on the subject well from 12/2/2013 to 12/14/2013. Please see all attached documents

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 10, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Matt Barber	303 382-4493	Senior Regulatory Specialist

SIGNATURE	DATE
N/A	1/10/2014

RECEIVED: Jan. 10, 2014

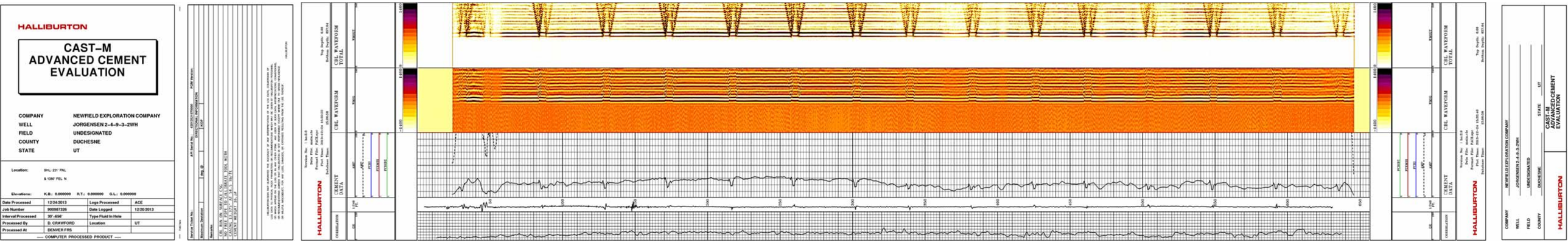
Jorgensen 2-4-9-3-2WH – Detailed Surface Operations from 12/2/2013 to 12/14/2013:

While drilling the surface hole of the subject well, a water flow was encountered at a depth of 510' GL on 12/2/13 @ 1100 hrs. The well was killed with 16.0 ppg fresh water mud and drilling was continued. On 12/6/13 while drilling ahead at 1130' GL, Robin Hansen with the BLM contacted Sean Stevens with Newfield and required us to stop drilling and pump a cement plug across the water flow interval. The following cement plug details were verbally approved by Robin Hansen with the BLM:

- 200' plug coverage (400' to 600' GL)
- 100% excess cement
- 16.4 ppg class G cement

On 12/7/13 at 1500 hrs the cement plug was pumped. The well started flowing after pumping the cement plug. On 12/7/13 @ 1830 hrs Jesse Tatman with Newfield received verbal permission from Robin Hansen with the BLM to finish drilling the well with 16.0 ppg kill mud and run casing and cement. On trip back to bottom, hard cement was drilled from 430' to 680' GL. The attachment shows a plan forward from the point the cement plug was pumped to finishing the well and releasing the rig. Both the State and the BLM approved this plan via email to Sean Stevens with Newfield. On 12/12/13 Sean Stevens with Newfield received verbal permission from Dustin Doucet with the State and Robin Hansen with the BLM to shorten TD to 1145' GL. On 12/14/13 while running 13-3/8" casing, the string became stuck at a depth of 730' GL. The rig worked pipe and adjusted mud properties for 30 hrs without success. Sean Stevens received verbal approval from Dustin Doucet at the state and Robin Hansen with the BLM to cement the casing with the casing shoe at 730' GL. The cement job was an operational success. Full circulation throughout the job, 118 bbls of good 16.2 ppg returned to surface, well was static after pumps shut down and cement level stayed at surface without falling out. After the spud rig was released, Dustin Doucet with the state requested both a CBL and a Temperature log be run on the surface casing to confirm ground water isolation. Both are attached.

RECEIVED: Jan. 10, 2014



RECEIVED: Jan. 10, 2014

Sundry Number: 46799 API Well Number: 43013521070000

HALLIBURTON

BOREHOLE PROPERTIES TOOL

COMPANY	NEWFIELD EXPLORATION
WELL	JORGENSEN 2-4-9-3-2WH
FIELD/BLOCK	UNDESIGNATED
COUNTY	DUCHESNE
STATE	UT

COMPANY	NEWFIELD EXPLORATION
WELL	JORGENSEN 2-4-9-3-2WH
FIELD/BLOCK	UNDESIGNATED
COUNTY	DUCHESNE
STATE	UT

API No. 43013521070000
Location SURFACE HOLE LOCATION: 231' FNL & 1360' FEL (NWNE)
Sect. 4 Twp. 3S Rge. 2W

Other Services: RWCH

Permanent Datum	GL	Elev. 5340.0 ft	Elev.: K.B. 5367.0 ft
Log measured from	GL	, 27.0 ft above perm. Datum	D.F. 5366.0 ft
Drilling measured from	N/A		G.L. 5340.0 ft
Date	31-Dec-13		
Run No.	ONE		
Depth - Driller	700.00 ft		
Depth - Logger	660.0 ft		
Bottom - Logged Interval	657.0 ft		
Top - Logged Interval	30.0 ft		
Casing - Driller	13.375 in @ 700.0 ft	@	@
Casing - Logger	660.0 ft		
Bit Size	17.500 in	@	@
Type Fluid in Hole	WATER		
Density / Viscosity	8.4 ppg / 24.00 s/qt		
Fluid Loss	N/A / N/A		
Source of Sample	N/A		
Rm @ Meas. Temperature	N/A @ N/A	@	@
Rmf @ Meas. Temperature	N/A @ N/A	@	@
Rmc @ Meas. Temperature	N/A @ N/A	@	@
Source Rmf / Rmc	N/A / N/A		
Rm @ BHT	N/A @ 65.5 degF	@	@
Time Since Circulation	N/A		
Time on Bottom	31-Dec-13 01:24		
Max. Rec. Temperature	65.5 degF @ 660.0 ft	@	@
Equipment / Location	11014853 / VERNAL		
Recorded By	M. LECUREUX		
Witnessed By	T. FRANK		

Fold here

Service Ticket No.: 901003865 API Serial No.: 43013521070000 PGM Version: WL INSITE R3.8.4 (Build 5)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE					
Date	Sample No.				
Depth-Driller					
Type Fluid in Hole					
Density	Viscosity				
Ph	Fluid Loss				
Source of Sample					
Rm @ Meas. Temp		@		@	
Rmf @ Meas. Temp.		@		@	
Rmc @ Meas. Temp.		@		@	
Source Rmf	Rmc				
Rm @ BHT		@		@	
Rmf @ BHT		@		@	
Rmc @ BHT		@		@	

RESISTIVITY SCALE CHANGES			
Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA				
Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.		Run No.	
Serial No.	10935684	Serial No.		Serial No.		Serial No.	
Model No.	GTET	Model No.		Model No.		Model No.	
Diameter	3.625"	No. of Cent.		Diameter		Diameter	
Detector Model No.	SCINT.	Spacing		Log Type		Log Type	
Type	GTET			Source Type		Source Type	
Length	8"	LSA [Y/N]		Serial No.		Serial No.	
Distance to Source	N/A	FWDA [Y/N]		Strength		Strength	

LOGGING DATA

Sundry Number: 46799 API Well Number: 43013521070000

GENERAL	GAMMA	ACOUSTIC	DENSITY	NEUTRON

Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	660	30	REC	0	150									

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks:

FRESH WATER, ALL CASED NO OPEN HOLE

NO MUD TO TAKE SAMPLE WITH

BHPT SERIAL NUMBER 11964077

LATITUDE: 40.25772° N

LONGITUDE: 110.11016° W

IQ CREW: T. MIGLIACCIO, K. TAYLOR, J. STEPHENSON

THANK YOU FOR CHOOSING HALLIBURTON LOGGING SERVICES - VERNAL, UT (435) 789 - 2550 RIG: PIONEER #78

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

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PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	17.500	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	8.400	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	0.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	Yes	
	SHARED	CSOD	Inner Casing OD size	13.375	in
	SHARED	CSWT	Casing Weight	54.50	lbpf
	SHARED	ISOC	Is Outer Casing Present?	No	
	SHARED	CSCM	Casing Cemented	Yes	
	SHARED	CMWT	Cement Weight	16.200	ppg
	SHARED	ST	Surface Temperature	20.0	degF
	SHARED	TD	Total Well Depth	656.00	ft
	SHARED	BHT	Bottom Hole Temperature	65.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TEMM	Temperature Master Tool	NONE	
	SHARED	BHSM	Borehole Size Master Tool	NONE	

Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GRSO	Gamma Tool Standoff	0.000	in
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
BHPT-I	CASO	Compute BHPT Results	Yes	
BHPT-I	TTMP	Internal Tool Temperature	0.0	degF
BHPT-I	TOLP	Tool Pressure	0.00	
BHPT-I	UFIN	Use fixed inclination?	Yes	
BHPT-I	DEVF	Fixed Inclination Value	0.0	deg
BHPT-I	TEME	Process High Resolution Temperature Tool?	Yes	

BOTTOM

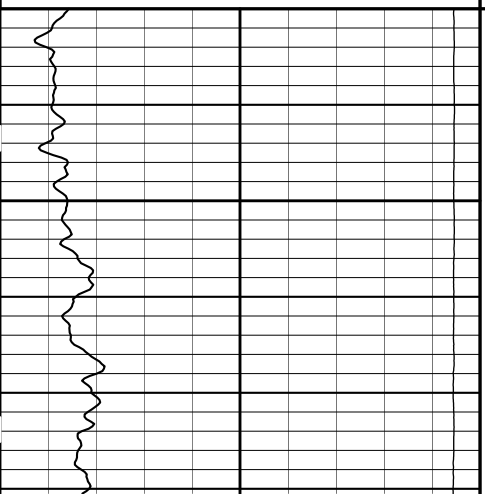
Data: JOR_2_4_9_3_2WH\0001 CALS\IDLE **Date: 31-Dec-13 03:25:34**

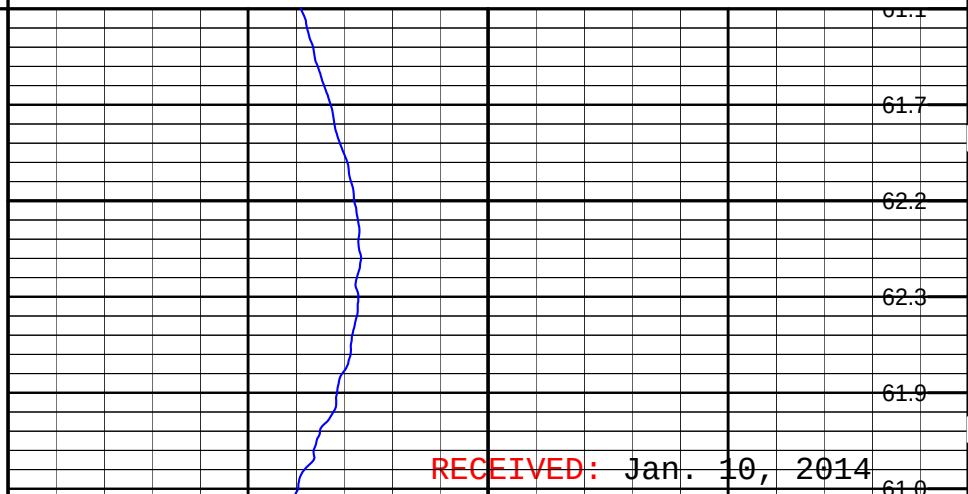
HALLIBURTON

Plot Time: 31-Dec-13 03:34:30
Plot Range: 30 ft to 674 ft
Data: JOR_2_4_9_3_2WH\Well Based\MAIN
Plot File: \\BHPT\I_BHPT_R

MAIN PASS 5" = 100'

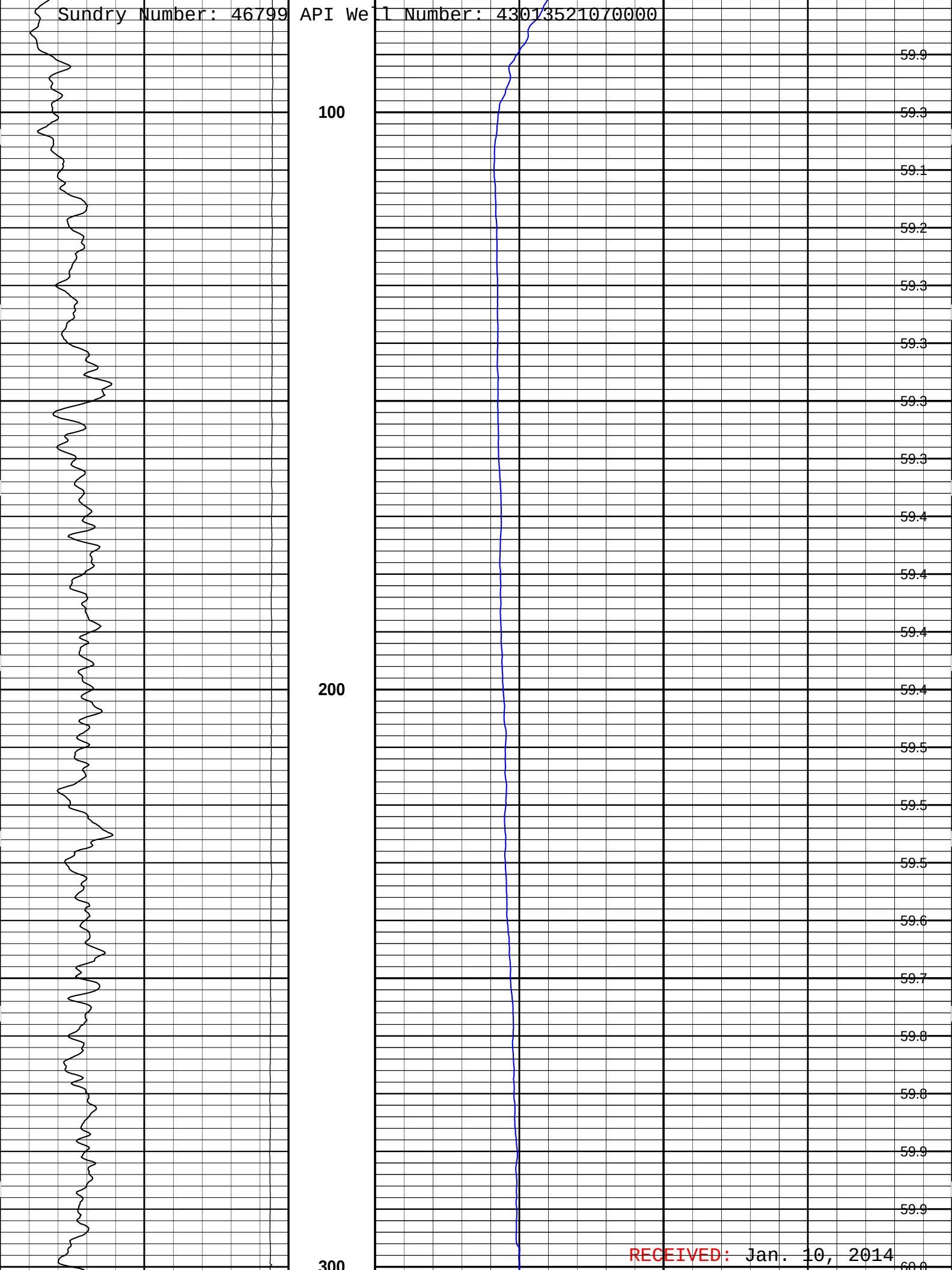
10000 TENSION 0		55 Temperature 75
pounds		Fahrenheit
0 GAMMA RAY 150	1 : 240 FT.	
api		





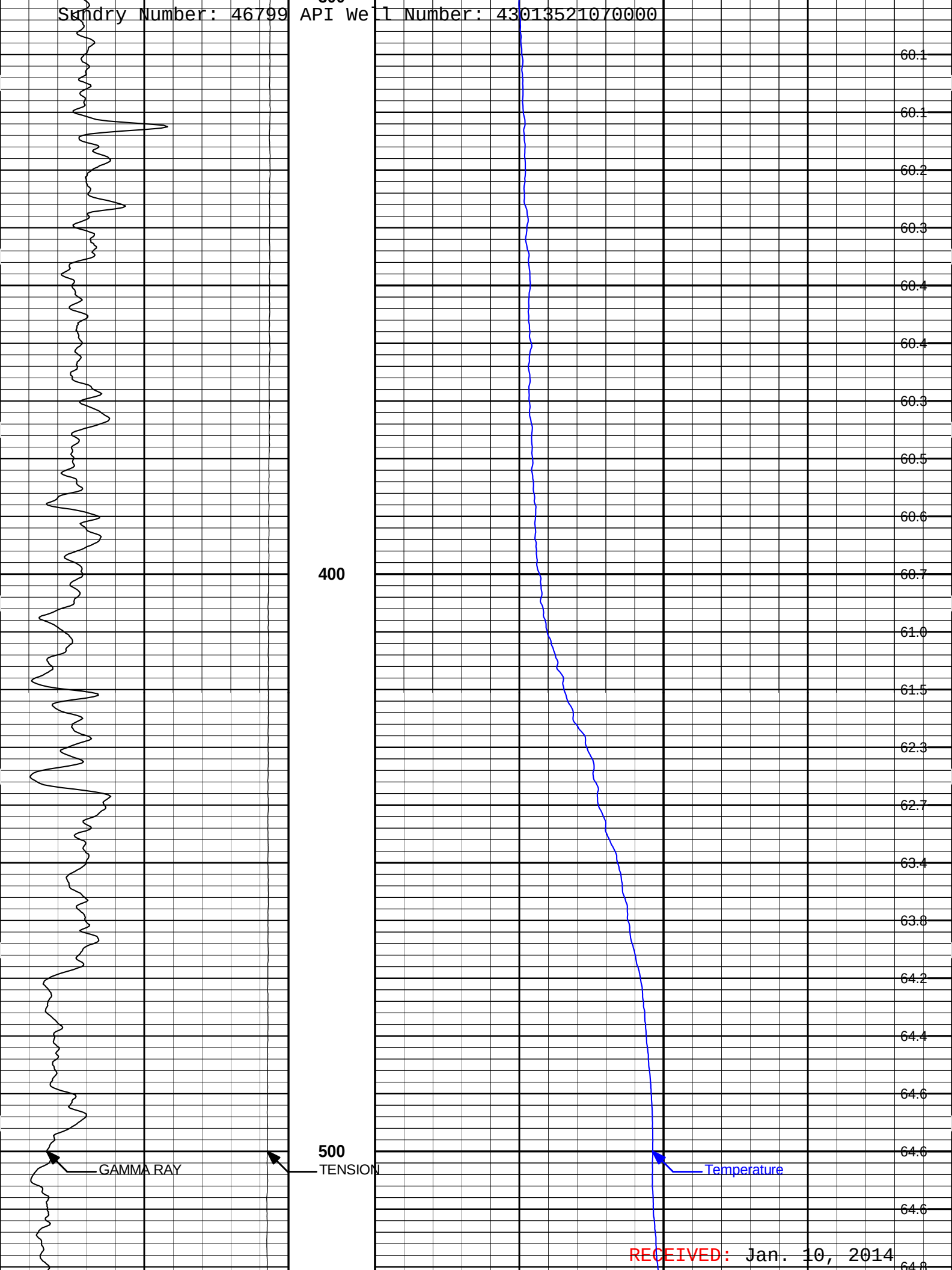
RECEIVED: Jan. 10, 2014

Sundry Number: 46799 API Well Number: 43013521070000

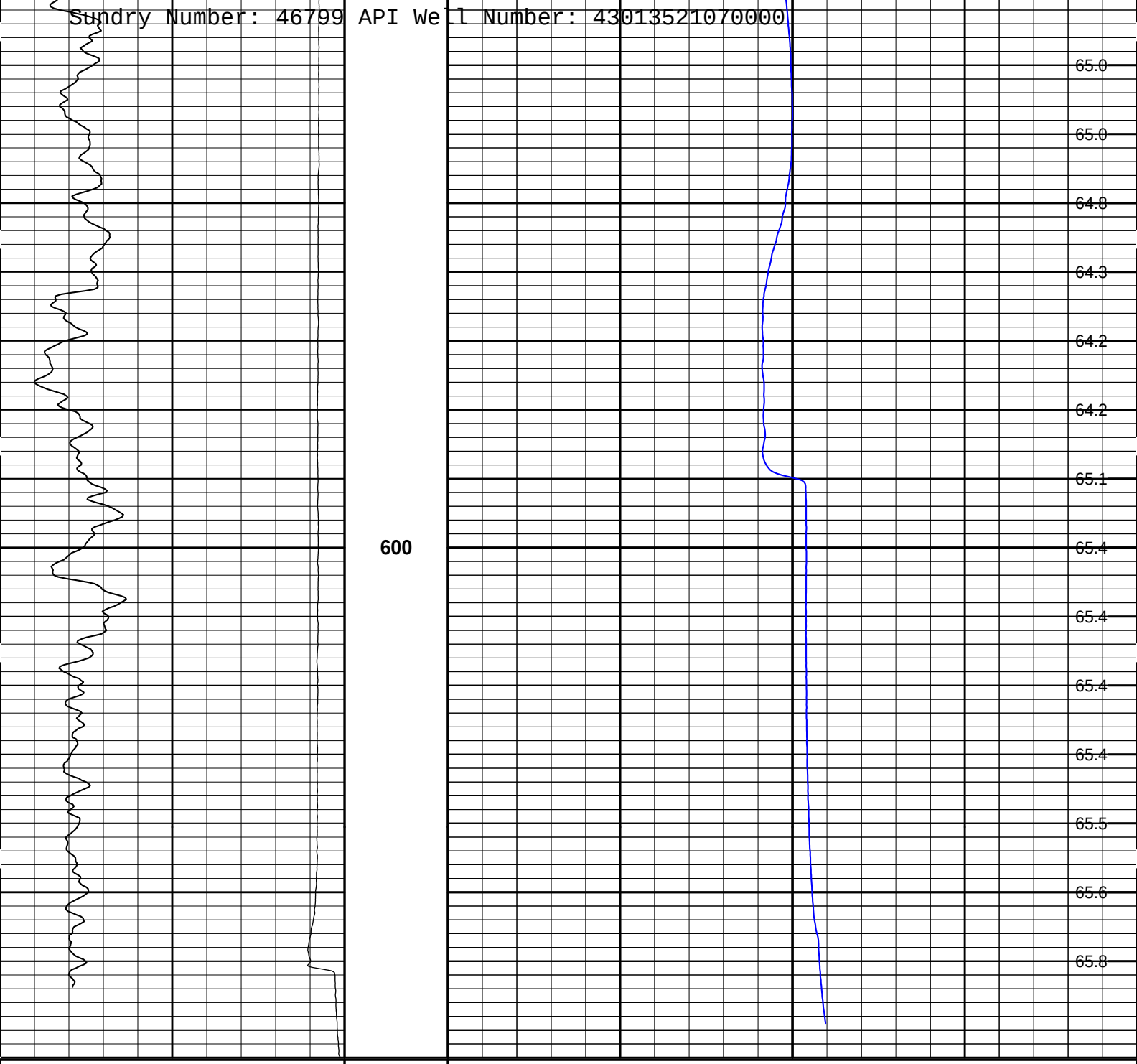


RECEIVED: Jan. 10, 2014

Sundry Number: 46799 API Well Number: 43013521070000



RECEIVED: Jan. 10, 2014



0 GAMMA RAY 150		1 : 240 FT.	55 Temperature	75
api			Fahrenheit	
10000 TENSION 0				
pounds				

HALLIBURTON

Plot Time: 31-Dec-13 03:34:33
Plot Range: 30 ft to 674 ft
Data: JOR_2_4_9_3_2WH\Well Based\MAIN\
Plot File: \\BHPT\I_BHPT_R

MAIN PASS 5" = 100'

HALLIBURTON

Plot Time: 31-Dec-13 03:34:33

RECEIVED: Jan. 10, 2014

Sundry Number: 46799 API Well Number: 43013521070000

HALLIBURTON

Plot Time: 31 Dec 13 08:54:55

Plot Range: 450 ft to 674 ft

Data: JOR_2_4_9_3_2WH\Well Based\REPEAT\

Plot File: \\BHPT\I_BHPT_R

REPEAT PASS 5" = 100'

10000 TENSION 0		55 Temperature 75
pounds		
0 GAMMA RAY 150	1 : 240 FT.	Fahrenheit
api		

500

600

GAMMA RAY

TENSION

Temperature

63.7

64.1

64.2

64.4

64.5

64.5

64.6

64.8

64.8

64.6

64.1

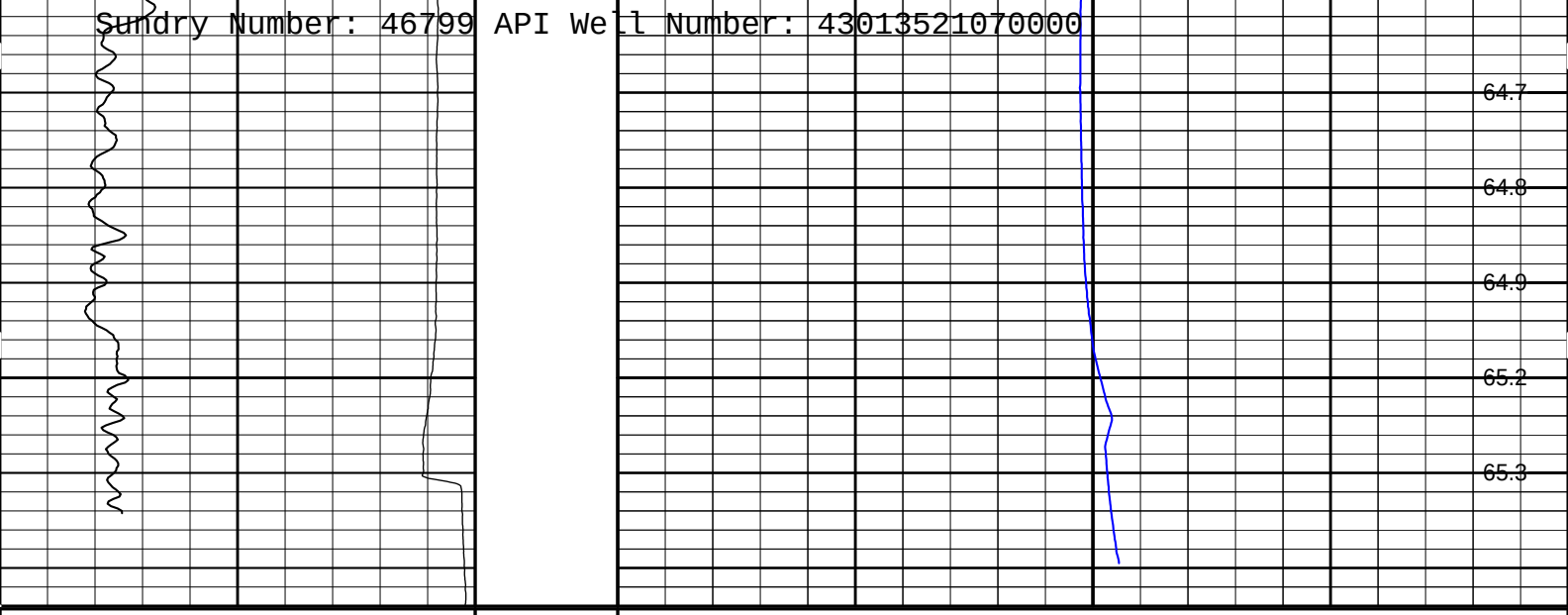
63.8

63.9

64.7

64.8

RECEIVED: Jan. 10, 2014



0	GAMMA RAY	150	1 : 240 FT.	55 Temperature 75
	api			Fahrenheit
10000	TENSION	0		
	pounds			

HALLIBURTON

Plot Time: 31-Dec-13 03:34:35
Plot Range: 450 ft to 674 ft
Data: JOR_2_4_9_3_2WH\Well Based\REPEAT\
Plot File: \\BHPT\I_BHPT_R

REPEAT PASS 5" = 100'

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	**GTET - 10935684**	**Reference Calibration Date:**	**09-Nov-13 12:37:37**
Engineer:	**A. KAMPA**	**Calibration Date:**	**30-Nov-13 11:22:55**
Software Version:	**WL INSITE R3.8.4 (Build 5)**	**Calibration Version:**	**1**

Calibrator Source S/N: MP051807-01
Calibrator API Reference:236.00 api
Equivalent Calibrator API Reference:240.1 api

Measurement	Measured	Calibrated	Units
Background	37.5	37.4	api
Background + Calibrator	277.8	277.6	api
Calibrator	240.4	240.1	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	**GTET - 10935684**	**Reference Calibration Date:**	**30-Nov-13 11:22:55**
Engineer:	**M. LECUREUX**	**Calibration Date:**	**30-Dec-13 09:02:16**
Software Version:	**WL INSITE R3.8.4 (Build 5)**	**Calibration Version:**	**1**

Calibrator Source S/N: MP051807-01

Calibrator API Reference:236.00 api
Equivalent Calibrator API Reference:240.1 api

Field Verification	Shop	Field	Units
Background	37.4	36.9	api
Background + Calibrator	277.6	277.2	api
Calibrator	240.1	240.3	api

Shop	Field	Difference	Tolerance
240.1	240.3	-0.2	+/- 9.00

ACCELEROMETER SHOP CALIBRATION

Tool Name: GTET - 10935684 **Reference Calibration Date:** 09-Nov-13 12:43:54
Engineer: A. KAMPA **Calibration Date:** 30-Nov-13 11:17:33
Software Version: WL INSITE R3.8.4 (Build 5) **Calibration Version:** 1

Horizontal-1 Telemetry	Horizontal-2 Telemetry	Vertical Telemetry	Units
-115.82	-3.91	-16389.46	cnts

Coefficient	Coefficient Value	Tolerance
Gain	-0.000061	-----
Offset	-0.004	-----
Noise	0.0005	0.0000 - 0.0030

Orientation	Measured	Tolerance	Calibrated	Tolerance
Horizontal	0.00	-0.10 - 0.10	0.00	-0.10 - 0.10
Vertical	1.00	0.90 - 1.10	1.00	0.90 - 1.10

BOREHOLE PROPERTIES TOOL SHOP CALIBRATION

Tool Name: BHPT-I - 11964077 **Reference Calibration Date:** 19-Mar-12 11:31:15
Engineer: B. RIDDEL **Calibration Date:** 18-Jul-13 14:44:58
Software Version: WL INSITE R3.6.0 (Build 3) **Calibration Version:** 1

Measurement	Measured	Calibrated	Units
XDCR Temperature	191.56	191.56	degF
Pressure	12776.3458	12779.72	psia
Resistivity	0.0985	0.0989	ohmm

BHPT Tool Constants

Constant	0	1	2	3	4
Pressure G	-6.6847999573e+001	3.2978999615e+000	-2.2238999605e-002	4.7508001444e-005	0.0000000000e+000
Pressure H	6.5430999756e+002	-1.5247999690e-002	5.9830999817e-005	-2.4825000722e-008	0.0000000000e+000
Pressure I	-2.6282998919e-001	1.4461000683e-004	-8.9257997615e-007	1.0710999865e-009	0.0000000000e+000
Pressure J	2.6227000635e-003	-4.6461000238e-006	1.9607000468e-008	-1.7873999156e-011	0.0000000000e+000
Pressure T	3.8388999939e+001	6.0100002289e+000	2.9065999389e-001	-3.7291999906e-003	0.0000000000e+000

BOREHOLE PROPERTIES TOOL FIELD CALIBRATION

Tool Name: BHPT-I - 11964077 **Reference Calibration Date:** 18-Jul-13 14:44:58
Engineer: Z. TAYLOR **Calibration Date:** 30-Dec-13 15:13:15
Software Version: WL INSITE R3.8.0 (Build 2) **Calibration Version:** 1

Measurement	Shop	Field	Difference	Limit	Unit (Diff & Limit)	Flag
XDCR Temperature	191.56	191.65	0.18	3.45	DegF-DegF	N/A
Pressure	12779.7164	12770.74	-0.0623	0.4432	psia-psia	N/A

Resistivity	0.0930	0.0930	0.0930	ohmm	N/A

HIGH RESOLUTION TEMPERATURE TOOL SHOP CALIBRATION

Tool Name:	**BHPT-I - 11964077**	**Reference Calibration Date:**	**16-Aug-12 16:56:18**
Engineer:	**B. RIDDEL**	**Calibration Date:**	**18-Jul-13 14:45:36**
Software Version:	**WL INSITE R3.6.0 (Build 3)**	**Calibration Version:**	**1**

Calibration Summary

Measurement	Previous Raw Value	Current Raw Value	Units
Ambient Temperature	77.14	77.99	degF

HIGH RESOLUTION TEMPERATURE TOOL FIELD CALIBRATION

Tool Name:	**BHPT-I - 11964077**	**Reference Calibration Date:**	**18-Jul-13 14:45:36**
Engineer:	**Z. TAYLOR**	**Calibration Date:**	**30-Dec-13 15:14:14**
Software Version:	**WL INSITE R3.8.0 (Build 2)**	**Calibration Version:**	**1**

MEASURED/CALIBRATED VALUES

Measurement	Shop	Field	Change	Control Limit On New Value
Temperature (degF)	61	62.41	-1.4100	+/- 5.00

PASS/FAIL SUMMARY

Temperature Check:	Passed

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10935684						
Gamma Ray Calibrator	240.1	240.3	----------	-0.2	+/- 9.00	api
BHPT-I-11964077						
Temperature:	77.99	62.41	----------	15.58	+/- 5.00	degF

Data: JOR_2_4_9_3_2WH\0001 CALS\IDLE **Date: 31-Dec-13 02:48:31**

HALLIBURTON

CUSTOMER EVENT LOG

Event Type	Time & Date	Depth (ft)	Event Description
	31-Dec-13 02:41:40	674.00	Logging 001 31-Dec-13 02:41 Up @674.0f
	31-Dec-13 02:49:50	431.10	Halting 001 31-Dec-13 02:41 Up @674.0f
	31-Dec-13 02:59:05	675.00	Logging 002 31-Dec-13 02:59 Up @675.0f
	31-Dec-13 03:06:49	440.40	Halting 002 31-Dec-13 02:59 Up @675.0f
	31-Dec-13 03:08:33	674.50	Logging 003 31-Dec-13 03:08 Up @674.5f

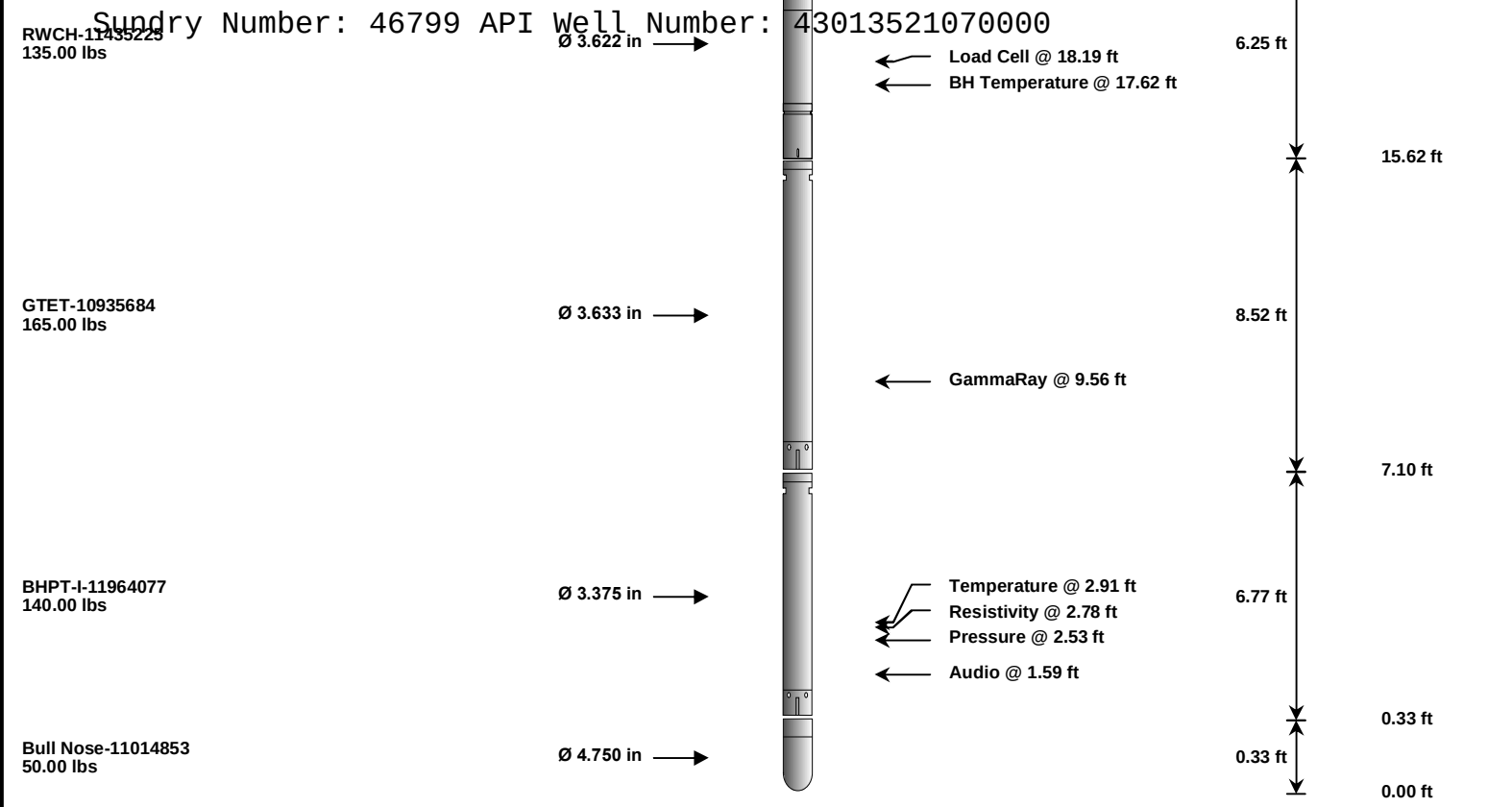
Data: JOR_2_4_9_3_2WH\0001 CALS\HW11047 **Date: 31-Dec-13 03:10:02**

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
						21.87 ft

Sundry Number: 46799 API Well Number: 43013521070000



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	11435225	135.00	6.25	15.62	300.00
GTET	Gamma Telemetry Tool	10935684	165.00	8.52	7.10	60.00
BHPT	Borehole Properties Tool - Insite	11964077	140.00	6.77	0.33	100.00
RBG	Roller Bogie	11014853	50.00	0.33	0.00	300.00
Total			**490.00**	**21.87**		

Data: JOR_2_4_9_3_2WH\0001 CALS\IDLE **Date: 31-Dec-13 02:20:09**

COMPANY	**NEWFIELD EXPLORATION**
WELL	**JORGENSEN 2-4-9-3-2WH**
FIELD	**UNDESIGNATED**
COUNTY	**DUCHESNE** STATE **UT**

HALLIBURTON

BOREHOLE PROPERTIES TOOL

RECEIVED: Jan. 10, 2014

Drilling Program

Well: Jorgensen 2-4-9-3-2WH
County, State: Duchesne, Utah
AFE#: 26582D
Ground Level: 5,340'
Rig: Pioneer 78
RKB - GL: 27'

SHL Legal Description
NW/NE Sec. 4, T3S, R2W Duchesne Co., UT (231' FNL 1,360' FEL)
Approximately 4 miles northwest of Myton, UT

BHL Legal Description
SW/SE Sec. 9, T3S, R2W Duchesne Co., UT (330' FSL 1,980 FEL)

Lat: 40°13'49.09" Long: 110°06'44.41" (NAD 83)

Contacts

Drilling Engineer:	Sean Stevens	Office: 303-382-4481	Cell: 435-823-1162
Drilling Manager:	Tommy Gaydos	Office: 303-685-8088	Cell: 832-248-1275
CB Field Superintendent:	Jesse Tatman		Cell: 801-360-7896
Company Man Shack:		Office:	

Casing	Size	Weight	Grade	Conn	MD	TVD
Surface (pre-set)	13-3/8"	54.5 lb/ft	J-55	BTC	1,150'	1,150'
Intermediate	9-5/8"	40 lb/ft	N-80	BTC	8,551'	8,515'
Long String	5-1/2"	20 lb/ft	P-110	XP BTC	19,330'	8,965'

Geological Objective
Uteland Butte PZ2

Drilling Plan Summary (spud rig only)
Drill 17-1/2" hole to +/- 1,150. Circulate and Condition mud. Flow check. TOOH. LDDP. Run 13-3/8" casing. Set Weatherford ECP @ +/- 430'. Cement with Halliburton

****Newfield's Safety and Environmental policies must be followed at all times**
****Daily pre-tour safety meetings are mandatory for all personnel on location**
****JSA's shall be performed prior to performing any major operations**
****Adhere to APD at all times**

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Jorgensen 2-4-9-3-2WH

NEWFIELD

1. **Drill through cement plug set from 430' to 660'**
    - Drill through competent cement plug with 16 ppg mud
    - Maintain fresh water based mud properties per Baroid recommendations
        - **i.** Treat for cement contamination
    - Flow check the well periodically to ensure proper mud weight maintained to prevent any water flow

2. **Drill to +/- 1,150' (new approved TD)**
    - Once the plug is drilled, slow stage in the hole and C&C mud maintaining mud properties
        - **i.** If needed stop and take time to ensure mud properties are taken care of
    - Previous hole depth was 1,130', drill to +/- 1,150' to fit the current casing tally
    - Circulate and condition mud prior to TOOH
    - Flow check well, ensure well is statically dead before TOOH

3. **TOOH LDDP**
    - TOOH laying down drill pipe
    - Periodically flow check the well

4. **Run 13-3/8" casing**
    - 13-3/8", 54.5#, J-55, BTC pipe specifications:
        - **i.** Burst = 2,730 psi
        - **ii.** Collapse = 1,130 psi
        - **iii.** Tensile = 853,000 lbs
        - **iv.** ID = 12.615"
        - **v.** Drift = 12.459"
    - Run Weatherford ECP in string @ +/- 430
        - i. This is ~80' above the known water flow at 510'
        - ii. See below for ECP running procedure
    - Run bow spring centralizers on first 3 joints then every third joint to surface

5. **Cement with Halliburton**
    - MIRU Halliburton cementers
        - **i.** Make sure 2 pumps are rigged up on the hole (1 for backup)
    - Pump cement per Halliburton program
        - **i.** Halliburton is still in the process of designing the slurry
    - 400 % excess cement should be delivered to location
    - Plan to mix and pump cement no less than 4 bpm
    - Pump cement until good 16.2 ppg cement is received back to surface
    - After dropping the plug, pump the fresh water displacement > 4 bpm if possible

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- Be prepared to take returns of all the mud in the hole and as much as 500 bbls of cement
- Bump the plug 500 psi over circulating pressure
- Check floats
- Shut annular cap valves

6. **Inflate Weatherford ECP**
   - See detailed running/setting procedures below
   -
7. **WOC**
   - Wait on cement for at least 24 hrs
   - Open annular cap valves and check for flow

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Weatherford

GENERALIZED OPERATING PROCEDURE FOR WEATHERFORD ACP

The following program begins when the hole has been drilled to TD. These procedures are based upon generally accepted cementing practices, but they may be altered due to the condition of the well at the time of the primary cement job or prior to inflation of the packer.

1. Proceed with appropriate logging programs.

2. Determine from open hole logs desired position for the Weatherford ACP (Annulus Casing Packer).

3. Conduct Safety meeting with all parties involved with the running of the Casing/ACP and cementing operation.

4. Hold operational meeting with Company representative, Rig Crew, Casing Crew, Cement Company and any parties involved with the running and cementing of the ACP Packer. Discuss procedure for makeup, running, and inflating the ACP packer as well as any unique operational issues involved.

5. Caliper and tally all tools including Float Equipment, ACP Packer and any additional tools to be run. Run casing per normal design considerations with Weatherford packer positioned as determined in Steps 1 and 2. Weatherford packers are designed for compatibility with conventional down hole cementing equipment. However, the following is recommended:

   a. To minimize (metal) debris in the wellbore, only high quality centralizers should be run below the packers.

   b. Differential/automatic fill-up shoes are not recommended.

   c. All hydraulically operated equipment needs to be checked prior to running in order to ensure proper pressure settings, (i.e. number of pins in a hydraulically operated stage tool or liner hanger). Also proper setting order of all hydraulic equipment must be verified.

6. Fill casing at predetermined intervals, establish circulation of casing on last joint of casing before picking up ACP Packer. Record circulation rates and pressures observed prior to picking up ACP. Make up ACP Packer into casing string, use caution lowering ACP through pressure control equipment and well head stack.

7. Fill casing at predetermined intervals (when possible it is advised to fill casing with a fill up hose after the ACP has been made up into the casing) while running remaining casing in the

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ACP GENERALIZED CEMENTING PROCEDURE

hole. Use caution when filling casing after ACP packer has been installed into casing string as excessive pressure could result in premature setting of the ACP Packer.

8. With ACP positioned at setting depth establish circulation through casing string.

   Note: Operational meeting should be conducted prior to establishing circulation and max pressures agreed on by all parties involved prion to pumping operation. Care should be taken when establishing circulation, start circulation rates slowly while closely monitoring pressure inside the casing string, as excessive pressure applied could prematurely set the ACP packer.

9. Sufficient fluid should be circulated to ensure proper operation of float equipment.

10. Conduct normal first stage cementing operations as follows:

    a. Test surface lines to 5,000 psi or per safe operating practices.
    b. Pump in spacer/pre-flush fluids.
    c. Pump in normal volume of cement for 1st stage cement job.
    d. Drop the appropriate Top Wiper Plug

6. Displace cement until the first stage Top Plug "bumps" down on the Float Collar. A cementing pump is recommended and volumes and pressures should be closely monitored. Slow displacement to 1 bpm prior to landing plug and record surface (balance) pressure.

   NOTE: The first stage Top Plug must be displaced to the float collar and hold pressure. Since the required displacement volume (as measured from surface tanks) is increased by compressibility and extent of aeration:

   1) ***verification that the plug leaves the head on time, and***

   2) ***a commitment to displace more than the theoretical volume is essential to success of the installation.***

9. When plug lands, increase surface pressure 300 psi above balance pressure and hold for 2-5 minutes. Bleed of pressure and check floats.

   NOTE: If excessive lift or circulating pressures are observed while pumping cement it may not be possible to bleed off pressure and check floats prior to inflating the ACP. Consult with Weatherford Service Operator for recommendations. Floats can be checked after the ACP and been inflated.

10. Check for and repair all surface pump line leaks no matter how small. Record volume in displacement tank.

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ACP GENERALIZED CEMENTING PROCEDURE

11. Increase surface pressure to balance pressure plus rated differential shear pin pressure. If no pressure decline, increase pressure by 200 psi or as needed to open valve. Record volume in displacement tank.

12. Inflate packer and monitor pressure decline as the packer takes fluid. Record volume in displacement tank.

    NOTE: When packer is fully inflated, surface pressure will stabilize and not decline. Record volume in displacement tank.

13. Hold pressure 5-10 minutes.

14. Bleed surface pressure to 0 psi and record flow back for net inflation volume calculation.

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NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 11/29/2013
Report #: 1
Depth Progress:

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Set 60' of 20" conductor pipe.

Operations from 0000 to 0500	Planned Operations Next Report Period
Ready for surface rig.	MIRU Pro Petro Rig #10.

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
47,385	47,385

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
	0

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	00:00	24.00	P	Drill Vertical	Pete Martin Rig #16 spudded 26" hole on 11/29/2013 and drilled to 60' GL. Hole started falling in with cobble rocks from surface. Filled hole with 12.0 PPG fresh water mud to enable drilling. Set 20", 52.78# (0.250" wall), SA53B conductor pipe at 60' GL and cemented to surface with Pro Petro Cementers on 11/29/2013. Cement Job: Pumped 15 bbls fresh water flush ahead of cement. Mixed and pumped 450 sacks (92 bbls) of Premium Class G Cement with 2% CaCl2, and 1/4 lb/sk flocele. Mixed cement @ 15.8 ppg with yield of 1.15 cf/sk. Displaced cement with 18 bbls fresh water. Finished pumping @ 19:30 PM on 11/29/2013. 18 bbls cement to surface. Shut in well after pumping stopped. Hole stood full after pumping stopped. Kylan Cook notified UDOGM and BLM by e-mail @ 14:00 PM on 11/27/2013 to spud conductor hole on 11/29/2013.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
	3652059

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 11/29/2013
Report #: 1
Depth Progress:

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/1/2013
Report #: 2
Depth Progress:

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
MIRU Pro Petro Rig #10. Start picking up BHA.

Operations from 0000 to 0500	Planned Operations Next Report Period
Start picking up BHA. Trip in hole to 60' GL. Spud 17 1/2" hole. Drill from 60' GL to 290' GL.	Continue drilling 17 1/2" surface hole.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	23:30	23.50	P	Move In Rig Up	MIRU Pro Petro Rig #10.
23:30	00:00	0.50	P	Handle BHA	Start picking up BHA.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3…	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
2,760	50,145

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
	0

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
1	3652060

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/2/2013
Report #: 3
Depth Progress: 630

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Start picking up BHA. Trip in hole to 60' GL. Spud 17 1/2" hole. Drill from 60' GL to 510' GL. Change rubber in rotating head. Big water flow @ 510' GL. (About 1,500 bbls per hour.) Drill from 510' GL to 690' GL while waiting for kill mud from Halliburton.

Operations from 0000 to 0500	Planned Operations Next Report Period
Drill from 690' GL to 900' GL. Take Single Shot survey @ 780' GL = 1.25 Degrees.	Drill 17 1/2" surface hole. Pump 16 PPG fresh water kill mud. Continue drilling 17 1/2" surface hole.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	01:00	1.00	P	Handle BHA	Start picking up BHA. Trip in hole to 60' GL.
01:00	06:00	5.00	P	Drill Vertical	Spud 17 1/2" hole @ 01:00 AM on 12/02/2013. Drill from 60' GL to 320' GL.
06:00	06:30	0.50	P	Directional Survey	Circulate for survey. Take Single Shot survey @ 260' GL = 0.75 Degree.
06:30	10:00	3.50	P	Drill Vertical	Drill from 320' GL to 510' GL.
10:00	11:00	1.00	P	Remove Rotating Rubber	Change rubber size in rotating head.
11:00	12:00	1.00	P	Drill Vertical	Hit big water flow @ 510' GL. Flowing about 1,500 bbls per hour. Called Halliburton to mix 500 bbls of 16.0 PPG fresh water kill mud. Will attempt to drill ahead while waiting for mud from Halliburton. Hauling water flow to disposal. Drill from 510' GL to 555' GL.
12:00	12:30	0.50	P	Directional Survey	Circulate for survey. Take Single Shot survey @ 510' GL = 0.75 Degree.
12:30	00:00	11.50	U	Drill Vertical	Attempt to drill ahead while waiting for mud from Halliburton. Only able to drill intermittently. Had to keep shutting down to manage water flow. Was able to get enough extra transfer pumps on location, and running to continue drilling with out shutting down about 22:30 PM. Using 6 transfer pumps to keep up. Drill from 555' GL to 690' GL. About 5 hours of actual drilling time.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

12/2/2013 00:00 - 12/3/2013 00:00 - from 87.0 ftKB to 717.0 ftKB

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
	100			100	43.4

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A casing component contains a null value in ID

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
2,760	52,905

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
630	717

Avg ROP (ft/hr)	TVD (ftKB)
43	

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
2	3652061

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/2/2013
Report #: 3
Depth Progress: 630

Drill String

BHA #1 , Slick

Bit Run	Make	Drill Bit	String Length (ft)
1	Hycalog	17 1/2in, M716, A160491	475.34

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)
87	1,157	4,200	42.00

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)
20/20/20/20/20/20/20	1-2-CT-S-X-0-WT-HP	2.15

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
XO Sub	1	6		1.55	IF
Drill Collar	9	6		244.83	XH
XO Sub	1	8		2.78	XH
Drill Collar	6	8		174.11	Reg
Pin to Pin XO Sub	1	7 15/16		3.00	Reg
Shock Sub	1	7 15/16		12.84	Reg
Wrench Slot Sub	1	9 1/16		2.90	Reg
Mud Motor	1	9 5/8		29.93	Reg
Bit Sub	1	8 15/16		1.90	Reg

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/3/2013
Report #: 4
Depth Progress: 320

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Drill from 690' GL to 990' GL. Pump 16.0 PPG fresh water kill mud. Drill from 990' GL to 1010' GL. Water flow unloaded mud from hole. Flowing again. Shut down. Order materials to mud up rig pits. Order 400 BBLS 16.0 PPG fresh water mud from Halliburton. Mix mud in rig pits.

Operations from 0000 to 0500	Planned Operations Next Report Period
Finish mixing mud in rig pits. Pump kill mud. Water flow stopped with 14.5 PPG mud returns.	Finish mixing mud in rig pits. Pump kill mud. Circulate and condition mud. Continue drilling 17 1/2" surface hole.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	03:30	3.50	P	Drill Vertical	Drill from 690' GL to 840' GL.
03:30	04:00	0.50	P	Directional Survey	Circulate for survey. Take Single Shot survey @ 780' GL = 1.25 Degrees.
04:00	08:00	4.00	P	Drill Vertical	Drill from 840' GL to 990' GL.
08:00	10:30	2.50	U	Condition Mud	Pump 500 BBLS of 16.0 PPG fresh water mud. 12.3 PPG mud returns back after pumping. Water flow stopped for about 30 minuets then started trying to flow again. Put rig on hourly at 08:00 AM on 12/03/2013.
10:30	11:30	1.00	P	Drill Vertical	Drill from 990' GL to 1010' GL. Water flow unloaded mud from hole. Flowing again.
11:30	13:30	2.00	U	Condition Mud	Shut down. Isolate rig pits from water flow. Hauling water flow to disposal. Order materials to mud up rig pits. Order 400 BBLS 16.0 PPG fresh water mud from Halliburton.
13:30	00:00	10.50	U	Condition Mud	Mix mud in rig pits. 15.1 PPG mud in rig pits at 00:00 AM. 400 BBLS 16.0 PPG mud from Halliburton on location at 22:00 PM.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...)	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

12/3/2013 00:00 - 12/4/2013 00:00 - from 717.0 ftKB to 1,037.0 ftKB

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
	100			100	37.6

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A casing component contains a null value in ID

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
2,760	55,665

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
320	1,037

Avg ROP (ft/hr)	TVD (ftKB)
38	

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
3	3652062

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/3/2013
Report #: 4
Depth Progress: 320

Drill String

BHA #1 , Slick

Bit Run	Make	Drill Bit	String Length (ft)
1	Hycalog	17 1/2in, M716, A160491	475.34

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)
87	1,157	4,200	42.00

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)
20/20/20/20/20/20/20	1-2-CT-S-X-0-WT-HP	2.15

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
XO Sub	1	6		1.55	IF
Drill Collar	9	6		244.83	XH
XO Sub	1	8		2.78	XH
Drill Collar	6	8		174.11	Reg
Pin to Pin XO Sub	1	7 15/16		3.00	Reg
Shock Sub	1	7 15/16		12.84	Reg
Wrench Slot Sub	1	9 1/16		2.90	Reg
Mud Motor	1	9 5/8		29.93	Reg
Bit Sub	1	8 15/16		1.90	Reg

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/4/2013
Report #: 5
Depth Progress: 80

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary

Finish mixing mud in rig pits. Pump kill mud. Circulate and condition mud. Drill from 1010' GL to 1090' GL. Mud properties not maintained do to hopper failure. Hopper going again at 18:00 PM. Mud weight dropped to 14.5 PPG. Mud weight continued dropping to 13.3 PPG while mixing gel and bar. Shut down. Isolate rig pits from water flow.

Operations from 0000 to 0500	Planned Operations Next Report Period
Weight up mud in rig pits.	Weight up mud in rig pits. Pump kill mud. Continue drilling 17 1/2" surface hole.

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519
Daily Field Est Total (Cost)	**Cum To Date (Cost)**
2,760	58,425
Daily Mud Field Est (Cost)	**Cum Mud Field Est (Cost)**
Depth Progress (ft)	**MD (ftKB)**
80	1,117
Avg ROP (ft/hr)	**TVD (ftKB)**
7	
Daily Rotate Footage (ft)	**Daily Slide Footage (ft)**
Daily Rotate Hours	**Daily Slide Hours**

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	02:30	2.50	U	Condition Mud	Finish mixing mud in rig pits.
02:30	03:30	1.00	U	Condition Mud	Pump 16.0 PPG fresh water kill mud. Water flow stopped with 14.5 PPG mud returns to surface.
03:30	11:00	7.50	U	Condition Mud	Almost out of mud in active system. Able to circulate at 7 BPM with out sucking air on suction side of mud pump. Circulate at 7 BPM while waiting for more 16.0 PPG mud from Halliburton.
11:00	12:30	1.50	U	Condition Mud	Fill rig pits with 16.0 PPG mud from Halliburton.
12:30	23:30	11.00	P	Drill Vertical	Drill from 1010' GL to 1090' GL. Mud properties not maintained do to hopper failure. Hopper going again at 18:00 PM. Mud weight dropped to 14.5 PPG. Mud weight continued dropping to 13.3 PPG while mixing gel and bar.
23:30	00:00	0.50	U	Condition Mud	Shut down. Isolate rig pits from water flow. Hauling water flow to disposal. Order more materials to mud up rig pits. Order 400 BBLS 16.0 PPG fresh water mud from Halliburton.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3…	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

12/4/2013 00:00 - 12/5/2013 00:00 - from 1,037.0 ftKB to 1,117.0 ftKB

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
	100			100	7.3

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A casing component contains a null value in ID

Drill String

BHA #1 , Slick

Bit Run	Make	Drill Bit	String Length (ft)
1	Hycalog	17 1/2in, M716, A160491	475.34

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)
87	1,157	4,200	42.00

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)
20/20/20/20/20/20/20	1-2-CT-S-X-0-WT-HP	2.15

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
XO Sub	1	6		1.55	IF

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
4	3652063

Weather / Conditions

Weather	Temperature (°F)
Wind	**Road Condition**

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas
Avg Connection Gas	**Max Connection Gas**
Avg Trip Gas	**Max Trip Gas**

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/4/2013
Report #: 5
Depth Progress: 80

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Collar	9	6		244.83	XH
XO Sub	1	8		2.78	XH
Drill Collar	6	8		174.11	Reg
Pin to Pin XO Sub	1	7 15/16		3.00	Reg
Shock Sub	1	7 15/16		12.84	Reg
Wrench Slot Sub	1	9 1/16		2.90	Reg
Mud Motor	1	9 5/8		29.93	Reg
Bit Sub	1	8 15/16		1.90	Reg

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/5/2013
Report #: 6
Depth Progress: 10

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Weight up mud in rig pits. Thaw out rig and mud pump lines. Pump kill mud. 16.0 PPG mud returns to surface. Flow check. Well is static. Circulate. Drill from 1090' GL to 1100' GL.

Operations from 0000 to 0500	Planned Operations Next Report Period
Drill from 1100' GL to 1125' GL. Take Single Shot survey @ 1050' GL = 0.75 Degree.	Continue drilling 17 1/2" surface hole.

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519
Daily Field Est Total (Cost)	**Cum To Date (Cost)**
6,444	64,869
Daily Mud Field Est (Cost)	**Cum Mud Field Est (Cost)**
Depth Progress (ft)	**MD (ftKB)**
10	1,127
Avg ROP (ft/hr)	**TVD (ftKB)**
10	
Daily Rotate Footage (ft)	**Daily Slide Footage (ft)**
Daily Rotate Hours	**Daily Slide Hours**

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	13:00	13.00	U	Condition Mud	Weight up mud in rig pits. 450 BBLS 16.0 PPG mud from Halliburton on location. Thaw out rig and mud pump lines.
13:00	20:00	7.00	U	Rig Repair	Thaw the following: Air lines to pump clutches. Vibrating lines from mud pumps to rig. Hard line going into rig. Flow line going into shakers. Work on rod washers on pumps. Change out shaker screens.
20:00	21:00	1.00	U	Condition Mud	Spot mud trucks. Prepare to pump 16.0 PPG fresh water kill mud.
21:00	22:00	1.00	U	Condition Mud	Pump 16.0 PPG fresh water kill mud. 16.0 PPG mud returns to surface. Flow check. Well is static.
22:00	23:00	1.00	U	Condition Mud	Circulate and condition mud. Flow check. Well is static.
23:00	00:00	1.00	P	Drill Vertical	Drill from 1090' GL to 1100' GL.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

12/5/2013 00:00 - 12/6/2013 00:00 - from 1,117.0 ftKB to 1,127.0 ftKB

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
	100			100	10.0

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A casing component contains a null value in ID

Drill String

BHA #1 , Slick

Bit Run	Make	Drill Bit	String Length (ft)
1	Hycalog	17 1/2in, M716, A160491	475.34

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)
87	1,157	4,200	42.00

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)
20/20/20/20/20/20/20	1-2-CT-S-X-0-WT-HP	2.15

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
XO Sub	1	6		1.55	IF
Drill Collar	9	6		244.83	XH
XO Sub	1	8		2.78	XH
Drill Collar	6	8		174.11	Reg
Pin to Pin XO Sub	1	7 15/16		3.00	Reg

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
5	3652064

Weather / Conditions

Weather	Temperature (°F)
Wind	**Road Condition**

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas
Avg Connection Gas	**Max Connection Gas**
Avg Trip Gas	**Max Trip Gas**

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/5/2013
Report #: 6
Depth Progress: 10

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Shock Sub	1	7 15/16		12.84	Reg
Wrench Slot Sub	1	9 1/16		2.90	Reg
Mud Motor	1	9 5/8		29.93	Reg
Bit Sub	1	8 15/16		1.90	Reg

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/6/2013
Report #: 7
Depth Progress: 30

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary

Drill from 1100' GL to 1130' GL. Work on mud pumps. Received orders from BLM to pump cement plug across water flow zone. Circulate. Start tripping out of hole to pump cement plug. Wait for more 16.0 PPG fresh water mud. Try to continue tripping out of hole. Rig has hydraulic leak. Trouble shoot where leak is coming from. Wait for more hydraulic oil.

Operations from 0000 to 0500	Planned Operations Next Report Period
Fix hydraulic leak on rig. Resume tripping out of hole from 470' GL to 440' GL.	Fix hydraulic leak on rig. Finish tripping out of hole. Trip in hole with drill pipe and pump cement plug. Wait on cement. Trip in hole and tag cement plug. Drill through cement. Continue drilling 17 1/2" surface hole.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	01:30	1.50	P	Drill Vertical	Drill from 1100' GL to 1110' GL.
01:30	02:30	1.00	P	Directional Survey	Circulate for survey. Take Single Shot survey @ 1050' GL = 0.75 Degree.
02:30	08:00	5.50	P	Drill Vertical	Drill from 1110' GL to 1130' GL.
08:00	15:00	7.00	U	Rig Repair	Work on mud pumps. Change swabs. Clean out rod washer box. Unclog rod washer lines.
15:00	17:00	2.00	U	Circulate	While working on mud pumps, received orders from BLM to pump cement plug across water flow zone. Circulate to trip out of hole and pump cement plug. Rig up to trip out of hole while circulating.
17:00	19:30	2.50	U	Trip	Trip out of hole from 1130' GL to 470' GL. Had to wash and ream out to 530' GL.
19:30	22:00	2.50	U	Trip	Ran out of mud in active system. Shut down and wait for more 16.0 PPG fresh water mud from Halliburton to ensure being able to keep back side full of mud while tripping out of hole. Well is standing full with 16.1 PPG mud at surface.
22:00	22:30	0.50	U	Trip	Fill rig pits with 16.0 PPG fresh water mud from Halliburton.
22:30	00:00	1.50	U	Rig Repair	Try to continue tripping out of hole. Rig has hydraulic leak. Trouble shoot where leak is coming from. Wait for more hydraulic oil.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

12/6/2013 00:00 - 12/7/2013 00:00 - from 1,127.0 ftKB to 1,157.0 ftKB

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
	100			100	4.3

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A casing component contains a null value in ID

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
2,760	67,629

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
30	1,157

Avg ROP (ft/hr)	TVD (ftKB)
4	

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
6	3652065

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/6/2013
Report #: 7
Depth Progress: 30

Drill String

BHA #1 , Slick

Bit Run	Make	Drill Bit	String Length (ft)
1	Hycalog	17 1/2in, M716, A160491	475.34

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)
87	1,157	4,200	42.00

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)
20/20/20/20/20/20/20	1-2-CT-S-X-0-WT-HP	2.15

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
XO Sub	1	6		1.55	IF
Drill Collar	9	6		244.83	XH
XO Sub	1	8		2.78	XH
Drill Collar	6	8		174.11	Reg
Pin to Pin XO Sub	1	7 15/16		3.00	Reg
Shock Sub	1	7 15/16		12.84	Reg
Wrench Slot Sub	1	9 1/16		2.90	Reg
Mud Motor	1	9 5/8		29.93	Reg
Bit Sub	1	8 15/16		1.90	Reg

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/7/2013
Report #: 8
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Fix hydraulic leak on rig. Finish tripping out of hole. Trip in hole with drill pipe and pump cement plug. Trip drill pipe out of hole. Wait on cement. Well started flowing back. Prepare to trip back in hole and pump kill mud again.

Operations from 0000 to 0500	Planned Operations Next Report Period
Prepare to trip back in hole and pump kill mud.	Prepare to trip back in hole and pump kill mud. Trip in hole. Pump kill mud. Continue drilling 17 1/2" surface hole.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	04:00	4.00	U	Rig Repair	Fix hydraulic leak on rig.
04:00	13:30	9.50	U	Handle BHA	Finish tripping out of hole from 470' GL. No tight hole. Extended trip time due to cold weather.
13:30	14:30	1.00	U	Trip	Rig up to trip in hole with yellow band drill pipe.
14:30	15:00	0.50	U	Trip	Trip in hole to 660' GL with yellow band drill pipe.
15:00	16:00	1.00	U	Cementing Operations - Other	Rig up Pro Petro Cementers. Cement Job: Pumped 15 bbls fresh water flush ahead of cement. Mixed and pumped 675 sacks (127 bbls) of Premium Class G Cement with 2% CaCl2, and 1/4 lb/sk flocele. Mixed cement @ 16.4 ppg with yield of 1.06 cf/sk. Displaced cement with 3 bbls fresh water.
16:00	16:30	0.50	U	Trip	Trip drill pipe back out of hole. Leave last joint of drill pipe stabbed in rotating head rubber.
16:30	18:00	1.50	U	WOC	Wait for cement before tripping back in hole to tag plug. Keeping hole full of 16.0 ppg mud. At 17:30 PM mud started flowing back to pits. Shut in flow line. At 18:00 PM water started coming out of the ground on the back edge of location. No water left location. Opened flow line back up to prevent washing out conductor pipe.
18:00	18:30	0.50	U	Condition Mud	Isolate rig pits from water flow. Hauling water flow to disposal. Order more 16.0 ppg fresh water mud from Halliburton.
18:30	00:00	5.50	U	Rig Repair	Prepare rig pits and pumps to trip back in hole and pump more kill mud. Pumps and lines froze up. Jesse Tatman received verbal permission from Robin Hansen with BLM to trip back in hole, pump kill mud, and finish drilling to TD with 16.0 ppg mud in the hole. Then run casing and cement.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
30,097	97,726

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,157

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String: Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
7	3652066

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/7/2013
Report #: 8
Depth Progress: 0

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)
Error				

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)
Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)
Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)	

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date
Mud Lost to Hole (bbl)		Cum Mud Lost to Hole (bbl)			

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/8/2013
Report #: 9
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Thaw out rig, pumps, and lines.

Operations from 0000 to 0500	Planned Operations Next Report Period
Thaw out rig, pumps, and lines.	Thaw out rig, pumps, and lines. Trip in hole. Pump kill mud. Continue drilling 17 1/2" surface hole.

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519
Daily Field Est Total (Cost)	**Cum To Date (Cost)**
2,760	100,486
Daily Mud Field Est (Cost)	**Cum Mud Field Est (Cost)**
Depth Progress (ft)	**MD (ftKB)**
0	1,157
Avg ROP (ft/hr)	**TVD (ftKB)**
Daily Rotate Footage (ft)	**Daily Slide Footage (ft)**
Daily Rotate Hours	**Daily Slide Hours**

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	00:00	24.00	U	Rig Repair	Pumps, lines, and rig froze up. Thaw out.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
Drill Str Wt (1000lbf)	**PU Str Wt (1000lbf)**	**SO Str Wt (1000lbf)**	**Drilling Torque**	**Off Bottom Torque**	**Flow Rate (gpm)**

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	**Max Open Hole AV (ft/min)**	**Min Casing AV (ft/min)**	**Min Open Hole AV (ft/min)**	**ECD End (lb/gal)**

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)
Depth In (ftKB)	**Depth Out (ftKB)**	**Total Depth Drilled by Bit (ft)**	**Total Hours Drilled by Bit (hr)**

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple
Gr Elev (ft)	**KB-Grd (ft)**	**Orig KB Elev (ft)**
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single
Gr Elev (ft)	**KB-Grd (ft)**	**Orig KB Elev (ft)**
5,341	27	5,368
Current Rig Days (days)	**Total Rig Days (days)**	
8	3652067	

Weather / Conditions

Weather	Temperature (°F)
Wind	**Road Condition**

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas
Avg Connection Gas	**Max Connection Gas**
Avg Trip Gas	**Max Trip Gas**

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/9/2013
Report #: 10
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary

Thaw out rig, pumps, and lines. Trip in hole with BHA. Tag cement at 430' GL. Drill cement from 430' GL to 500' GL. Drain water from pits and fill with 16.0 ppg mud. Pump kill mud. Well is static with 16.0 ppg mud returns to surface. Circulate and condition mud. Pre treat mud for drilling out the rest of cement plug.

Operations from 0000 to 0500	Planned Operations Next Report Period
Clean mud and ice build up out from under shakers.	Clean mud and ice build up out from under shakers. Drill out cement plug. Circulate back to bottom. Continue drilling 17 1/2" surface hole.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	11:00	11.00	U	Rig Repair	Thaw out rig, pumps, and lines.
11:00	16:00	5.00	U	Handle BHA	Picking up BHA. Trip in hole to 430' GL. Tag top of cement at 430' GL.
16:00	18:00	2.00	U	Drill Vertical	Drill cement from 430' GL to 500' GL.
18:00	19:00	1.00	U	Circulate	Circulate.
19:00	22:00	3.00	U	Condition Mud	Drain water from pits and fill with 16.0 ppg mud. Prepare to pump kill mud.
22:00	23:00	1.00	U	Condition Mud	Pump 16.0 ppg fresh water kill mud. 16.0 ppg mud returns to surface. Flow check. Well is static.
23:00	00:00	1.00	U	Condition Mud	Circulate and condition mud. Pre treat mud in preparation for drilling out the rest of cement plug.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3…	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
2,760	103,246

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,157

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
9	3652068

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/9/2013
Report #: 10
Depth Progress: 0

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/10/2013
Report #: 11
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Clean mud and ice build up out from under shakers. Drill cement plug from 530' GL to 580' GL. Lost gear end in mud pump. Working on a replacement pump in Vernal yard to send out.

Operations from 0000 to 0500	Planned Operations Next Report Period
Rig up replacement pump from Vernal yard.	Get replacement pump from Vernal yard. Rig up pump. Drill out cement plug. Circulate back to bottom. Continue drilling 17 1/2" surface hole.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	08:00	8.00	U	Rig Repair	Clean mud and ice build up out from under shakers.
08:00	11:00	3.00	U	Drill Vertical	Drill cement plug from 500' GL to 570' GL.
11:00	14:00	3.00	U	Condition Mud	Circulate and condition mud. Treat mud for cement contamination.
14:00	14:30	0.50	U	Drill Vertical	Drill cement plug from 570' GL to 580' GL.
14:30	00:00	9.50	U	Rig Repair	Lost gear end in mud pump. Pro Petro working on a replacement pump in Vernal yard to send out.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...)	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
247,745	350,991

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,157

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
10	3652069

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/10/2013
Report #: 11
Depth Progress: 0

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/11/2013
Report #: 12
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
MIRU replacement mud pump. Drill cement plug from 580' GL to 680' GL. Trip in hole from 680' GL to 710' GL. Circulate and condition mud for cement contamination and to maintain weight at 16.0 ppg while drilling cement and tripping.

Operations from 0000 to 0500	Planned Operations Next Report Period
Condition mud to maintain weight at 16.0 ppg while tripping from 710' GL to 860' GL.	Circulate and condition mud for cement contamination and to maintain weight at 16.0 ppg while tripping back to bottom. Drill 17 1/2" surface hole from 1130' GL to TD @ 1145' GL. Circulate. Trip out of hole. Run casing.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	15:00	15.00	U	Rig Repair	MIRU spare pump from Pro Petro Vernal Yard. Install 6 1/2" liners in mud pump #1.
15:00	22:00	7.00	U	Drill Vertical	Drill cement plug from 580' GL to 680' GL. Circulate and condition mud for cement contamination while drilling.
22:00	00:00	2.00	U	Trip	Trip in hole from 680' GL to 710' GL. Circulate and condition mud for cement contamination while tripping. Also adding bar as needed to maintain 16.0 ppg mud.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3…	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
188,253	539,244

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,157

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
11	3652070

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/11/2013
Report #: 12
Depth Progress: 0

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/12/2013
Report #: 13
Depth Progress: 15

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Trip in hole from 710' GL to 920' GL. Change swabs in mud pump. Trip in hole from 920' GL to 1130' GL. Drill from 1130' GL to TD @ 1145' GL. Circulate. Change swab in mud pump. Circulate. Trip out of hole from 1145' GL to 560' GL. Replace break out wrench on rig. Work on mud pump.

Operations from 0000 to 0500	Planned Operations Next Report Period
Work on mud pump. Trip out from 560' GL to 530' GL. Working tight hole at 530' GL.	Work on mud pump. Finish tripping out of hole. Run surface casing. Cement surface casing.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	06:00	6.00	U	Trip	Trip in hole from 710' GL to 920' GL. Circulate and condition mud while tripping.
06:00	09:30	3.50	U	Rig Repair	Change swabs in mud pump. Clean out rod washers.
09:30	12:30	3.00	U	Trip	Trip in hole from 920' GL to 1130' GL. Circulate and condition mud while tripping.
12:30	14:00	1.50	P	Drill Vertical	Drill from 1130' GL to TD @ 1145' GL. TD 17 1/2" hole @ 14:00 PM on 12/12/2013.
14:00	15:00	1.00	P	Circulate	Circulate to trip out of hole and run surface casing.
15:00	16:30	1.50	U	Rig Repair	Change swab in mud pump. Clean out rod washers.
16:30	17:00	0.50	P	Circulate	Circulate to trip out of hole and run surface casing.
17:00	21:00	4.00	P	Trip	Trip out of hole from 1145' GL to 560' GL. Had to start treating mud for cement contamination at 620' GL.
21:00	00:00	3.00	U	Rig Repair	Replace break out wrench on rig. Work on mud pump: swabs, valves, and rod washers.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

12/12/2013 00:00 - 12/13/2013 00:00 - from 1,157.0 ftKB to 1,172.0 ftKB

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
	100			100	10.0

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A casing component contains a null value in ID

Drill String

BHA #2 , Slick

Bit Run	Make	Drill Bit	String Length (ft)
2	Hycalog	17 1/2in, M716, A160492	473.96

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)
1,157	1,172	15	1.50

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)
20/20/20/20/20/20/20	0-0-BU-A-X-0-NO-TD	2.15

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
XO Sub	1	6		1.55	IF
Drill Collar	9	6		244.83	XH
XO Sub	1	8		2.78	XH

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
101,116	640,360

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
15	1,172

Avg ROP (ft/hr)	TVD (ftKB)
10	

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
12	3652071

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/12/2013
Report #: 13
Depth Progress: 15

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Collar	6	8		174.11	Reg
Pin to Pin XO Sub	1	7 15/16		3.00	Reg
Shock Sub	1	7 15/16		12.84	Reg
Wrench Slot Sub	1	9 1/16		2.02	Reg
Mud Motor	1	9 5/8		29.43	Reg
Bit Sub	1	8 15/16		1.90	Reg

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/13/2013
Report #: 14
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary

Work on mud pump. Finish tripping out of hole. Well started flowing again while laying down mud motor. Order more 16.0 ppg fresh water mud from Halliburton. Bring mud weight in rig pits back up to 16.0 ppg. Rig up to run casing. Run casing to 678' GL. Wait for Halliburton to finish building 16.0 ppg fresh water mud. Prepare to pump kill mud.

Operations from 0000 to 0500	Planned Operations Next Report Period
Wait for mud coming from Halliburton.	Pump kill mud. Make up and run Weatherford ACP. Finish running casing. Circulate casing. Weld top cap on conductor pipe. Cement surface casing.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	02:30	2.50	U	Rig Repair	Work on mud pump: swabs, valves, and rod washers.
02:30	06:30	4.00	P	Trip	Trip out from 560' GL to 470' GL. Work tight hole from 530' GL to 470' GL. Losing partial returns when pulling tight. Circulate and work pipe. Had to bring out 200 bbls of 16.0 ppg mud from Halliburton.
06:30	12:30	6.00	P	Handle BHA	Finish tripping out of hole. Laying down BHA.
12:30	19:00	6.50	U	Casing Operations - Drill Casings	While laying down mud motor well started flowing again unloading 16.0 ppg mud from hole. Isolate rig pits from water flow. Hauling water flow to disposal. Order more 16.0 ppg fresh water mud from Halliburton. Bring mud weight in rig pits back up to 16.0 ppg. Rig up to run casing.
19:00	22:30	3.50	P	Casing Operations - Drill Casings	Run 16 joints (678.97') of 13 3/8", 54.5#, J-55, BT&C casing with Top-Co guide shoe and float collar.
22:30	00:00	1.50	U	Condition Mud	Wait for Halliburton to finish building 16.0 ppg fresh water mud. Prepare to pump kill mud.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
65,358	705,717

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,172

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
13	3652072

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/13/2013
Report #: 14
Depth Progress: 0

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/14/2013
Report #: 15
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Wait for mud coming from Halliburton. Pump kill mud. Make up and run Weatherford ACP. Become stuck while trying to run next joint of casing. Casing shoe is approximately 730' GL. Circulate and work casing. Repair rig, replace hydraulic hoses. Also going through mud pumps.

Operations from 0000 to 0500	Planned Operations Next Report Period
Repair rig, replace hydraulic hoses. Go through mud pumps.	Repair rig, replace hydraulic hoses. Go through mud pumps. Roll hole over to water in an attempt to get casing free. Finish running casing. Cement surface casing.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	06:00	6.00	U	Condition Mud	Wait for 16.0 ppg fresh water kill mud coming from Halliburton.
06:00	08:00	2.00	U	Condition Mud	Pump 16.0 ppg fresh water kill mud. 15.7 ppg mud returns to surface. Flow check. Well is static.
08:00	09:30	1.50	U	Condition Mud	Circulate and condition mud. Bring mud weight up to 16.0 ppg in active system.
09:30	12:30	3.00	U	Casing Operations - Drill Casings	Pick up and run Weatherford ACP with casing pup joint. Had to circulate and wash last 5' of pup joint down.
12:30	13:30	1.00	P	Casing Operations - Drill Casings	Pick up next joint of casing and continue circulating and washing down. Working casing up and down while circulating. Casing moving free up and back down to the last point previously washed to. Washed about 25' down and became stuck. Circulating with about 100 psi but unable to move casing. Casing shoe is approximately 730' GL.
13:30	18:00	4.50	U	Casing Operations - Drill Casings	Circulate adjusting rate from 6 bpm up to 12 bpm and pressure 100 psi to 150 psi. Pulling up to 120k and pushing down up to 30k. No pressure change while pulling up or pushing down. Make plans with water trucks to be able to haul water flow to disposal. Prepare to roll hole back to water in an attempt to get casing free.
18:00	00:00	6.00	U	Rig Repair	Lost 2 hydraulic hoses on rig. Repair rig, replace hydraulic hoses. Also giong thrugh mud pumps.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
25,415	731,132

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,172

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Conductor, 87ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
14	3652073

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/14/2013
Report #: 15
Depth Progress: 0

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/15/2013
Report #: 16
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Rig and mud pump repair. Circulate hole back to water in an attempt to get casing free. Circulate and work casing. Unable to pull free. Pump 16.0 ppg fresh water kill mud. Flow check. Well is static.

Operations from 0000 to 0500	Planned Operations Next Report Period
Circulate. Cut off casing and weld new collar. Weld top cap from casing to conductor.	Circulate. Cut off casing and weld new collar to enable rigging up cement head at ground level. Weld top cap from casing to conductor pipe. MIRU Halliburton Cementers. Cement surface casing. Wait on cement.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	15:30	15.50	U	Rig Repair	Lost 2 hydraulic hoses on rig. Repair rig, replace hydraulic hoses. Also giong thrugh mud pumps.
15:30	16:30	1.00	U	Condition Mud	Transfer 16.0 ppg mud out of rig pits. Prepare to roll hole back to water.
16:30	17:30	1.00	U	Circulate	Circulate hole back to water in an attempt to get casing free. Work casing up and down while circulating mud out of hole.
17:30	19:30	2.00	U	Casing Operations - Drill Casings	Circulate and work casing adjusting rate from 6 bpm up to 12 bpm. Pump pressure 100 psi. Pulling up to 120k and pushing down up to 30k. No pressure change while pulling up or pushing down.
19:30	20:00	0.50	U	Casing Operations - Drill Casings	Sean Stevens received verbal approval from Dustin Doucet with UDOGM and Robin Hansen with BLM to cement surface casing. Casing Summary: Ran 18 joints (726.78') of 13 3/8", 54.5#, J-55, BT&C casing with Top-Co guide shoe and float collar and Weatherford ACP. 7 centralizers spaced 10' from the shoe, on top of joints #2 & #3 then every 3rd collar to surface. Landed @ 726.78' GL. Float Collar @ 680.60' GL. Packer Element is 28' GL to 38' GL.
20:00	22:30	2.50	U	Casing Operations - Drill Casings	Continue to circulate and work casing. Unable to pull free.
22:30	00:00	1.50	U	Condition Mud	Pump 16.0 ppg fresh water kill mud. 16.0 ppg mud returns to surface. Flow check. Well is static.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
50,093	781,225

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,172

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Surface, 754ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
15	3652074

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/15/2013
Report #: 16
Depth Progress: 0

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/16/2013
Report #: 17
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Circulate. Cut off casing and weld new collar to enable rigging up cement head at ground level. Weld top cap from casing to conductor pipe. MIRU Halliburton Cementers. Cement surface casing. Wait on cement, clean pits, and rig down.

Operations from 0000 to 0500	Planned Operations Next Report Period
Wait on cement and rig down.	Wait on cement and rig down. Open 4" valves on conductor and check for water flow. Cut top cap off and check for cement. Release Rig.

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519
Daily Field Est Total (Cost)	**Cum To Date (Cost)**
189,930	971,155
Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)
Depth Progress (ft)	MD (ftKB)
0	1,172
Avg ROP (ft/hr)	TVD (ftKB)
Daily Rotate Footage (ft)	Daily Slide Footage (ft)
Daily Rotate Hours	Daily Slide Hours

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	01:30	1.50	P	Circulate	Circulate hole with 16.0 ppg fresh water mud.
01:30	05:30	4.00	P	Casing Operations - Drill Casings	Cut off casing and weld new collar to enable rigging up cement head at ground level. Weld top cap from casing to conductor pipe. Prepare to pump surface casing cement.
05:30	09:00	3.50	P	Cementing Operations - Casing	MIRU Halliburton cementers. Circulate casing with rig pump.
09:00	11:00	2.00	P	Cementing Operations - Casing	Cement Job: Pumped 20 bbls 16.1 ppg Tuned Spacer flush ahead of cement. Mixed and pumped 1131 sacks (288 bbls) of HalCem with 8.5% Cal-Seal, 20% Barite, 0.5% D-Air, and 0.3% Versaset. Mixed cement @ 16.2 ppg with yield of 1.43 cf/sk. Pumped cement until good cement came to surface. Cement returns = 16.3 ppg. Displaced cement with 105 bbls fresh water. Bumped plug with 850# @ 11:07 AM on 12/16/2013. Floats held. 118 bbls cement to surface. Well is static after pumping stopped. Shut in well after pumping stopped. Kylan Cook notified UDOGM and BLM of the surface casing & cement job via e-mail on 12/12/2013 @ 12:44 AM. Stoney Anderton with the BLM was on location for the cement job.
11:00	00:00	13.00	P	WOC	Wait on cement, clean pits, and rig down.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3…)	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Surface, 754ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
16	3652075

Weather / Conditions

Weather	Temperature (°F)
Wind	**Road Condition**

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas
Avg Connection Gas	**Max Connection Gas**
Avg Trip Gas	**Max Trip Gas**

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/16/2013
Report #: 17
Depth Progress: 0

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/17/2013
Report #: 18
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Wait on cement and rig down. Run Gyro Survey. Open 4" valves on conductor and check for water flow. No flow. Cut top cap off and check for cement. Release Rig.

Operations from 0000 to 0500	Planned Operations Next Report Period
Rig Released. Will prepare location for drilling rig.	Prepare location for drilling rig.

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519
Daily Field Est Total (Cost)	**Cum To Date (Cost)**
376,762	1,347,917
Daily Mud Field Est (Cost)	**Cum Mud Field Est (Cost)**
Depth Progress (ft)	**MD (ftKB)**
0	1,172
Avg ROP (ft/hr)	**TVD (ftKB)**
Daily Rotate Footage (ft)	**Daily Slide Footage (ft)**
Daily Rotate Hours	**Daily Slide Hours**

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	11:00	11.00	P	WOC	Wait on cement. Rig down. Run Gyro Survey.
11:00	12:30	1.50	P	Cementing Operations - Casing	Open 4" valves on conductor and check for water flow. No flow. Cut top cap off and check for cement. Cement to surface. Glade Rich with BLM was on location to cut top cap off and check for cement. Release rig @ 12:30 PM on 12/17/2013.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3...	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)
Drill Str Wt (1000lbf)	**PU Str Wt (1000lbf)**	**SO Str Wt (1000lbf)**	**Drilling Torque**	**Off Bottom Torque**	**Flow Rate (gpm)**

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	**Max Open Hole AV (ft/min)**	**Min Casing AV (ft/min)**	**Min Open Hole AV (ft/min)**	**ECD End (lb/gal)**

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)
Depth In (ftKB)	**Depth Out (ftKB)**	**Total Depth Drilled by Bit (ft)**	**Total Hours Drilled by Bit (hr)**

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Surface, 754ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple
Gr Elev (ft)	**KB-Grd (ft)**	**Orig KB Elev (ft)**
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single
Gr Elev (ft)	**KB-Grd (ft)**	**Orig KB Elev (ft)**
5,341	27	5,368
Current Rig Days (days)	**Total Rig Days (days)**	
17	3652076	

Weather / Conditions

Weather	Temperature (°F)
Wind	**Road Condition**

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas
Avg Connection Gas	**Max Connection Gas**
Avg Trip Gas	**Max Trip Gas**

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

NEWFIELD

Newfield Daily Drilling - Detail

Jorgensen 2-4-9-3-2WH

Report Start Date: 12/23/2013
Report #: 19
Depth Progress: 0

Legal Well Name	Wellbore
Jorgensen 2-4-9-3-2WH	Original Hole

Well Type	Primary Job Type	Target Formation
Development	Drilling - Original	Uteland Butte PZ2

County	State/Province	Proposed MD (ftKB)	Proposed TVD (ftKB)	Spud Date	Final Rig Release Date
Duchesne	Utah	19,162		11/29/2013	

24hr Activity Summary
Finish preparation of location for drilling rig.

Operations from 0000 to 0500	Planned Operations Next Report Period
Location ready for drilling rig.	Location ready for drilling rig.

Time Log

Start Time	End Time	Dur (hr)	P/U/A	Activity Description	Com
00:00	00:00	24.00	P	Location Prep/Work	12/17/2013 - Run Gyro. 12/19/2013 - Drill Mouse Hole. 12/21/2013 - Final blade location. 12/23/2013 - Weld on Wellhead. 12/23/2013 - Cement cellar floor up to the top of base plate on wellhead. GYRO SURVEY DEPTHS ARE GROUND LEVEL. Location is ready for drilling rig.

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
327	0.47	204.43	327	1	0	-2	0.89
427	0.30	157.10	427	2	0	-2	0.35
527	0.33	339.18	527	2	0	-2	0.63
627	0.39	246.14	627	2	0	-2	0.53
696	0.30	194.32	696	2	-1	-2	0.45

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Conductor	20	52.78	SA53B	27.0	87
Surface	13 3/8	54.50	J-55	27.2	754

Mud Checks

<depth>ftKB, <dttm>

Type	Density (lb/gal)	Vis (s/qt)	PV Calc (Pa•s)	YP Calc (lbf/100ft²)	Percent Water (%)	Percent Oil (%)	Oil Water Ratio

Gel 10 sec (lbf/100ft²)	Gel 10 min (lbf/100ft²)	Gel 30 min (lbf/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/3…	HTHP FC (1/32")

MBT (lb/bbl)	pH	Chlorides (mg/L)	WPS (ppm)	Lime (lb/bbl)	Elec Stab (V)	Corrected Solids (%)	LGS (%)	HGS (%)	LCM

Vis 3rpm	Vis 6rpm	Vis 100rpm	Vis 200rpm	Vis 300rpm	Vis 600rpm

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

Drilling Parameters

<Start Date?> - <End Date?> - from <Start Depth?> to <End Depth?>

Weight on Bit (1000lbf)	RPM (rpm)	Motor RPM (rpm)	Stand Pipe Pressure (psi)	Bit RPM (rpm)	Interval ROP (ft/hr)

Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque	Flow Rate (gpm)

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)

Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Drill String

BHA #<BHA #?>, <Drill String Name?>

Bit Run	Make	Drill Bit	String Length (ft)

Depth In (ftKB)	Depth Out (ftKB)	Total Depth Drilled by Bit (ft)	Total Hours Drilled by Bit (hr)

Nozzles (1/32")	IADC Bit Dull Out	Bit Total Fluid Area (nozzles) (in²)

BHA Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Bit Summary

Bit Run	Size (in)	Depth In (ftKB)	Depth Out (ftKB)	Date In	Date Out	Make	Model	Bit Dull	Drilled (ft)	Drill Time (hr)	BHA ROP (ft/hr)
2	17 1/2	1,157	1,172	12/12/2013	12/13/2013	Hycalog	M716	0-0-BU-A-X-0-NO-TD	15	1.5	10.0
1	17 1/2	87	1,157	12/2/2013	12/7/2013	Hycalog	M716	1-2-CT-S-X-0-WT-HP	1,070	42.0	25.5

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date

Mud Lost to Hole (bbl)	Cum Mud Lost to Hole (bbl)

AFE Number	AFE+Supp Amt (Cost)
26582D	5,666,519

Daily Field Est Total (Cost)	Cum To Date (Cost)
152,891	1,500,807

Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)

Depth Progress (ft)	MD (ftKB)
0	1,172

Avg ROP (ft/hr)	TVD (ftKB)

Daily Rotate Footage (ft)	Daily Slide Footage (ft)

Daily Rotate Hours	Daily Slide Hours

Wellbore Sections

Section Des	Size (in)	Actual Bottom Depth (MD) (ftKB)
Conductor	26	87
Vertical	17 1/2	1,172

KOP (ftKB)	EOB (ftKB)	LOL (ft)

Last Casing String
Surface, 754ftKB

Rigs

Pioneer Drilling 78, <Rig Start Date?>

Contractor	Rig #	Rig Type
Pioneer Drilling	78	Drilling - Triple

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Pro Petro 10, 12/1/2013 - 12/17/2013

Contractor	Rig #	Rig Type
Pro Petro	10	Drilling - Single

Gr Elev (ft)	KB-Grd (ft)	Orig KB Elev (ft)
5,341	27	5,368

Current Rig Days (days)	Total Rig Days (days)
	3652076

Weather / Conditions

Weather	Temperature (°F)

Wind	Road Condition

Daily Contacts

Job Contact	Title	Mobile
Sean Stevens	Drilling Engineer	435-823-1162

Personnel Total Hours (hr)	Cum Pers Tot Hr (hr)

Safety Check Summary

Type	Last Date	Next Date
BOP Test		
Pre-Job Safety Meeting		
Pre-Tour		

Hole Conditions

Avg Background Gas	Max Background Gas

Avg Connection Gas	Max Connection Gas

Avg Trip Gas	Max Trip Gas

Centrifuges

Make	Model	Hrs (hr)	RPM (rpm)

Shakers

Make	Model	Scr Sz X
Brandt	King Cobra Venom	

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

Jars and Agitator Hours

Item Des	Start Hrs (hr)	End Hrs (hr)

EAGER BEAVER TESTERS INC.

P.O. BOX 1616
ROCK SPRINGS, WY 82902

PHONE:
ROCK SPRINGS: (307) 382-3350

43 013 52107

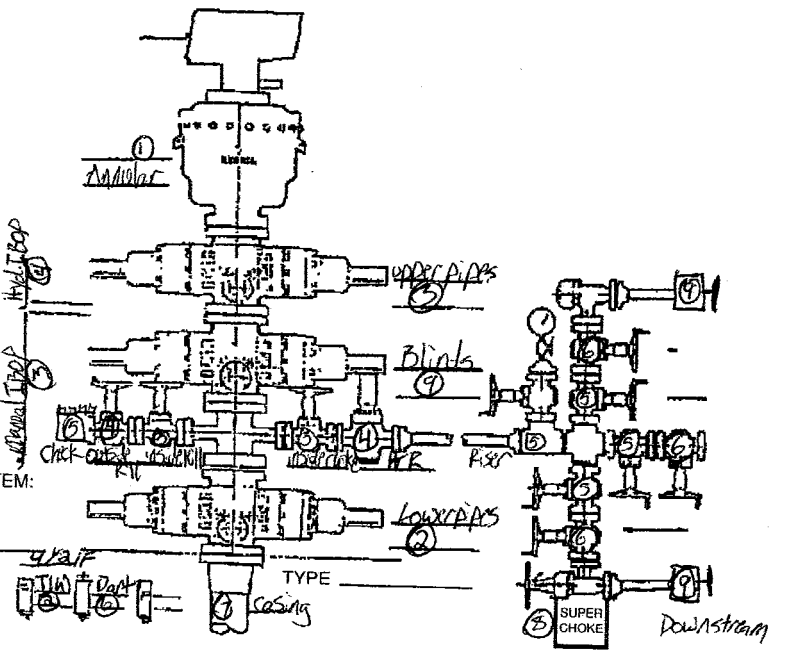
BOP TEST REPORT

DATE: 1-1-14 OPERATOR: NewField RIG OR SITE #: Pioneer 14 SEC: 4 TNSHIP: 3S RANGE: 2W

FIELD: Central Basin WELL #: Jorgensen 2-4-3-2WH TEST PRESSURE: 250/5000 PSI

EQUIPMENT PRESSURE TESTED:

ANNULAR 50%	1
UPPER PIPE RAMS	3
LOWER PIPE RAMS	2
BLIND RAMS	9
KILL LINE VALAVES	3 & 5
HCR VALVE	4
CHOKE VALVES	3
MANIFOLD VALVES	5 & 9
SUPER CHOKE	8
MANUAL CHOKE	N/A
UPPER KELLY VALVE	4
LOWER KELLY VALVE	3
INSIDE BOP	2
FLOOR VALVE	10
CASING PRE. 1500 PSI	7



ACCUMULATOR AND CLOSING SYSTEM:

NITROGEN PRECHARGE PSI 1050
FIELD CHECK X GUAGE CHECK ____
BOTTLES X SPHERES ____

FUNCTION CHECK 0'13 SEC
PUMP CHECK 1400
REMOTE OPERATION CHECK X
HYDRAULIC FLUID LEVEL X

OTHER TESTS:

EQUIPMENT TYPE ____ PRESSURE ____

REPAIRS OR POTENTIAL PROBLEMS:

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JAN 06 2014
DIV. OF OIL, GAS & MINING

EAGER BEAVER TESTERS

DATE: 1-14 COMPANY: Newfield RIG: Pioneer 78 WELL NAME & #: Jorgensen 2-49-3-2WH

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 1,400 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 0:31 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 1,050 PSI

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

RECEIVED
JAN 06 2014
DIV. OF OIL, GAS & MINING

EAGER BEAVER TESTERS

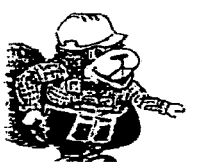
DATE: 1-1-14/1-2-14 COMPANY: NewField RIG: Pioneer 78 WELL NAME & #: Jonah 1512-4-9-32WH

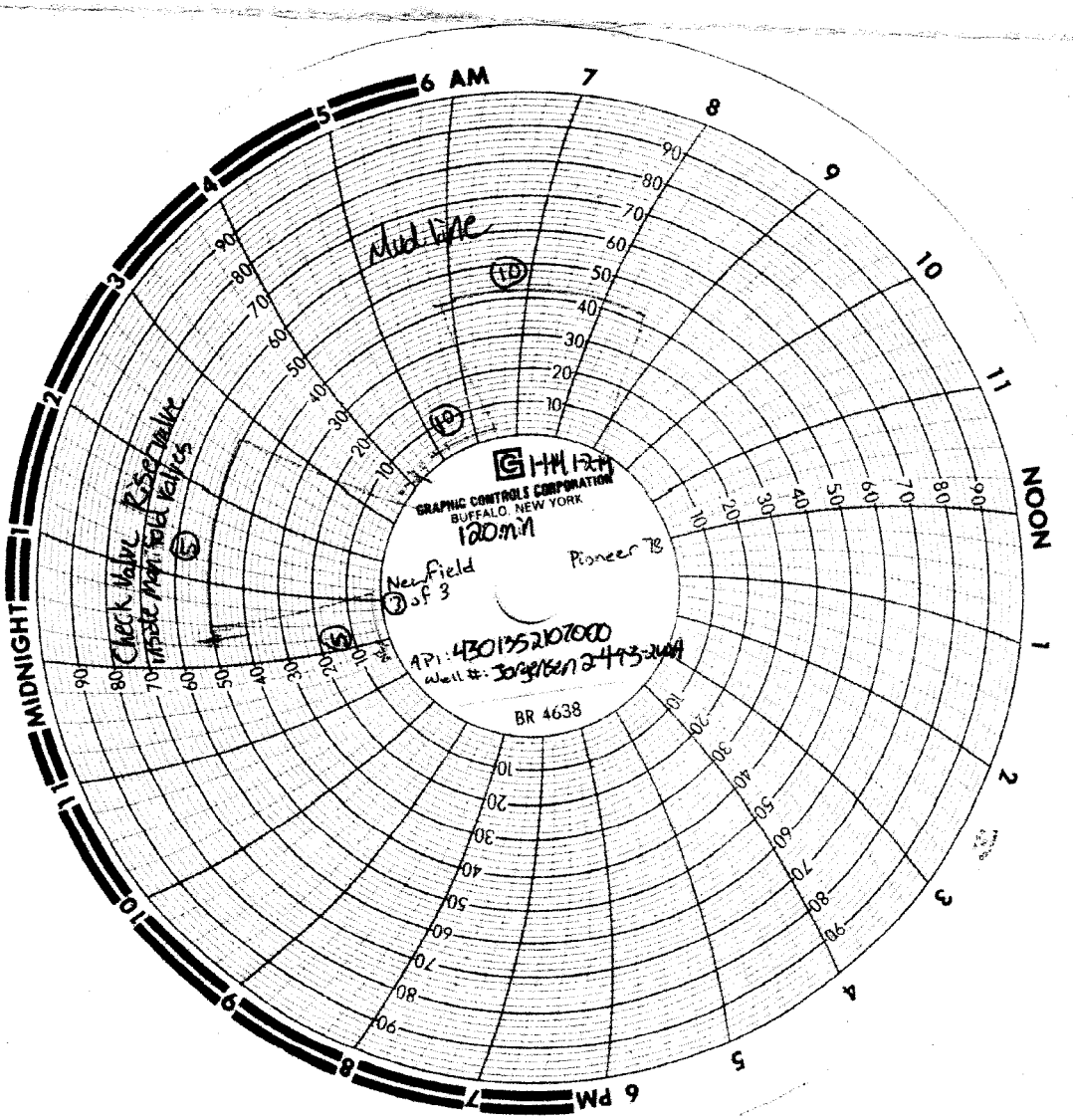
Time	Test No.		Results
10:09 AM ☒ PM ☐ (1-1-14)	1	Annular	Pass ☒ Fail ☐
11:06 AM ☒ PM ☐	2	TIW, Lower Pipe Rams	Pass ☒ Fail ☐
12:42 AM ☐ PM ☒	3	Upper Pipe Rams, Man IBOP, Inside Kill & Choke	Pass ☒ Fail ☐
1:46 AM ☐ PM ☒	4	Hyd. IBOP, Outside Kill, HCR	Pass ☒ Fail ☐
3:06 AM ☐ PM ☒	5	Check Valve, Riser Value, Inside Manifold Values	Pass ☒ Fail ☐
4:49 AM ☐ PM ☒	6	Dart Valve, Outside Manifold Values	Pass ☒ Fail ☐
8:46 AM ☐ PM ☒	7	Casing Test	Pass ☒ Fail ☐
9:55 AM ☐ PM ☒	8	Super Choke	Pass ☒ Fail ☐
12:43 AM ☒ PM ☐ (1-2-14)	9	Blinds & Down Stream	Pass ☒ Fail ☐
1:43 AM ☒ PM ☐	10	Mudlines	Pass ☒ Fail ☐
AM ☐ PM ☐	11		Pass ☐ Fail ☐
AM ☐ PM ☐	12		Pass ☐ Fail ☐
AM ☐ PM ☐	13		Pass ☐ Fail ☐
AM ☐ PM ☐	14		Pass ☐ Fail ☐
AM ☐ PM ☐	Retest		Pass ☐ Fail ☐
AM ☐ PM ☐	Retest		Pass ☐ Fail ☐
AM ☐ PM ☐	Retest		Pass ☐ Fail ☐
AM ☐ PM ☐	Retest		Pass ☐ Fail ☐
AM ☐ PM ☐	Retest		Pass ☐ Fail ☐
AM ☐ PM ☐	Retest		Pass ☐ Fail ☐
AM ☐ PM ☐	Retest		Pass ☐ Fail ☐

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

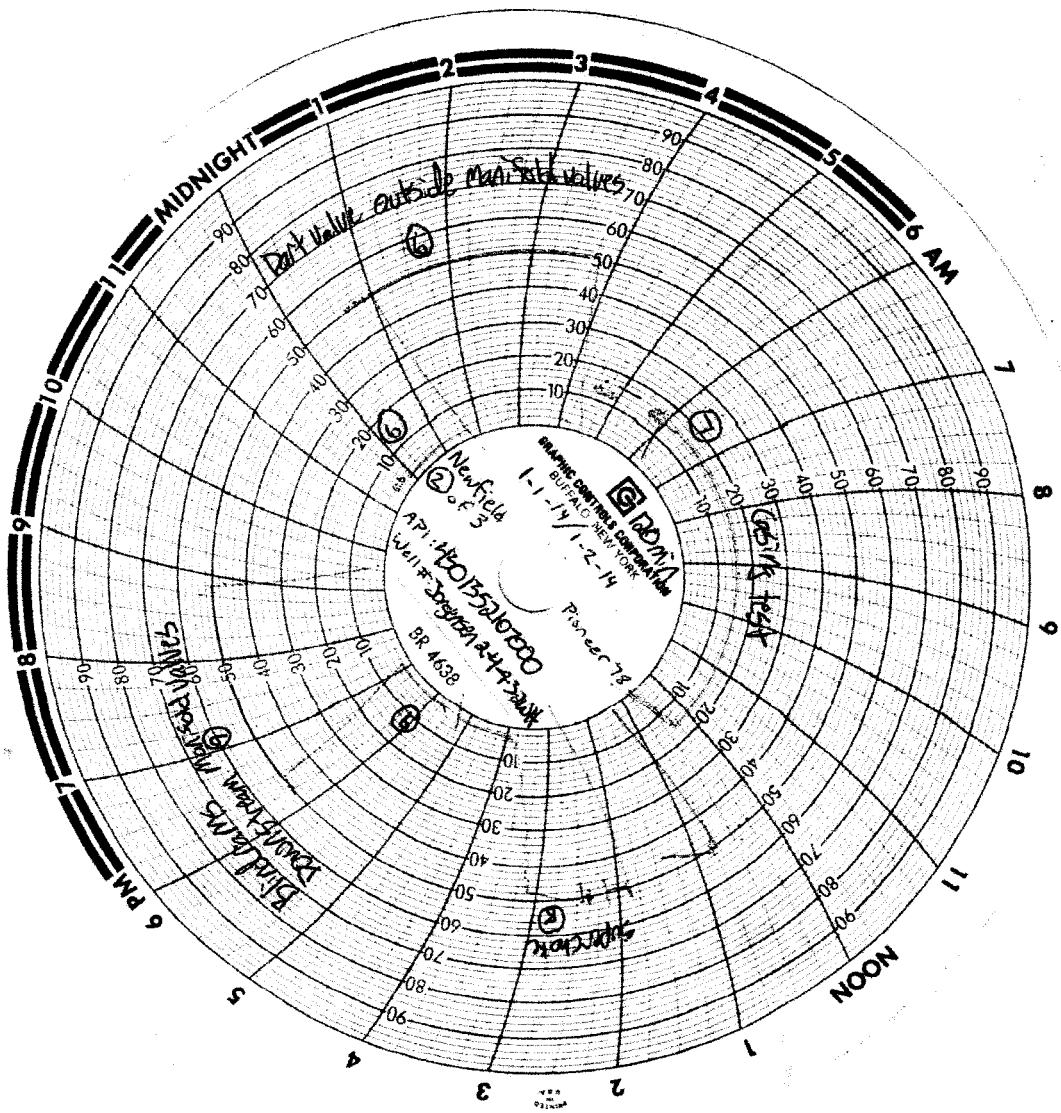
Rock Springs, WY (307) 382-3350

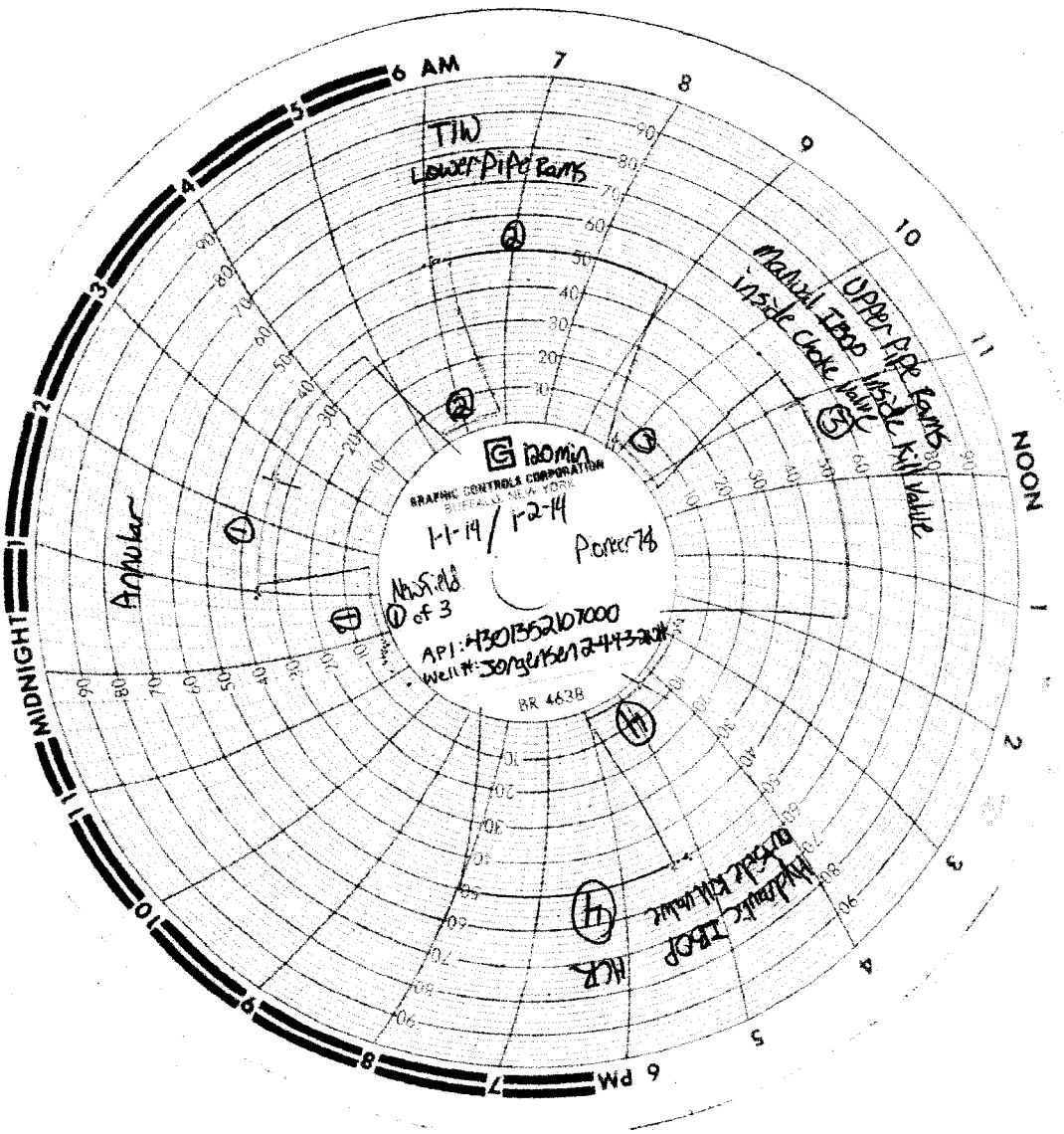
BOP TESTING, CASING TESTING, LEAK OFF TESTING, &
INTEGRITY TESTING
NIPPLE UP CREWS, NITROGEN CHARGING SERVICE





RECEIVED
JAN 06 2014
DIV. OF OIL, GAS & MINING


MIDNIGHT
6 AM
NOON
6 PM
Dart valve outside manifold valves
Casing test
Superchoke
Blind rams
Downstream manifold valves
Newfield
2 of 3
API: 4301352107000
Well # Jorgensen 24-43 WH
BR 4638
Pioneer 78
GRAPHIC CONTROLS CORPORATION
BUFFALO NEW YORK
1-1-14 / 1-2-14
Domin



RECEIVED

JAN 06 2014

DIV. OF OIL, GAS & MINING

Chart #2 on Reverse

RECEIVED
JAN 09 2014

EAGER BEAVER TESTERS

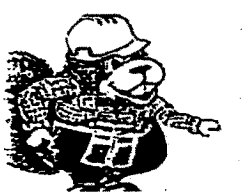
DATE: 1-2-2014 COMPANY: Newfield RIG: Pioneer 78 WELL NAME & #: Jorgensen 2-9-9-32WH

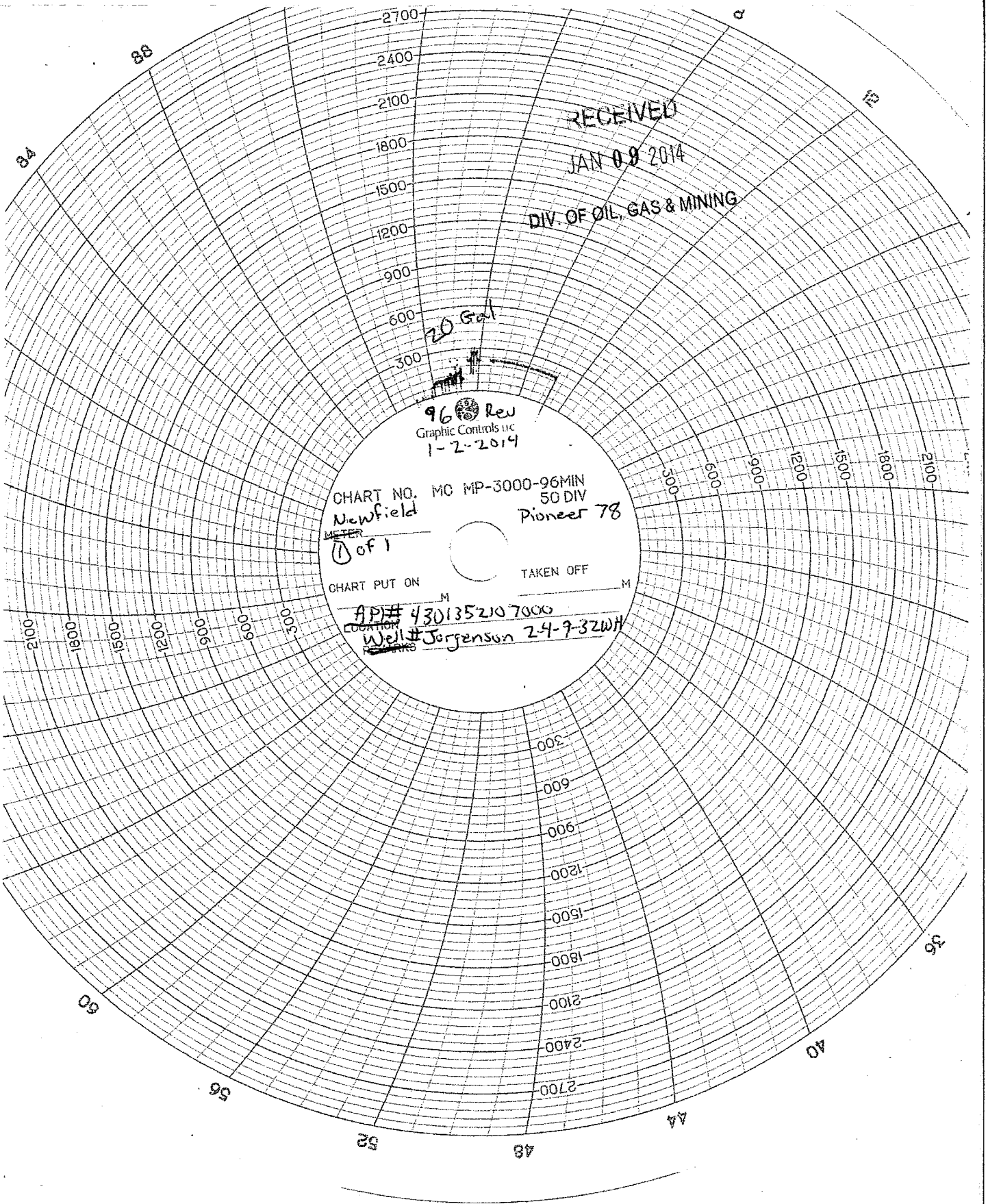
Time	Test No.		Result
10:22 AM ☐PM☒	1	FIT - 200 PSI @ 5 min	Pass ☐Fail ☐
AM ☐PM☐	2		Pass ☐Fail ☐
AM ☐PM☐	3	43 013 52107	Pass ☐Fail ☐
AM ☐PM☐	4	3S 2W 4	Pass ☐Fail ☐
AM ☐PM☐	5		Pass ☐Fail ☐
AM ☐PM☐	6		Pass ☐Fail ☐
AM ☐PM☐	7		Pass ☐Fail ☐
AM ☐PM☐	8		Pass ☐Fail ☐
AM ☐PM☐	9		Pass ☐Fail ☐
AM ☐PM☐	10		Pass ☐Fail ☐
AM ☐PM☐	11		Pass ☐Fail ☐
AM ☐PM☐	12		Pass ☐Fail ☐
AM ☐PM☐	13		Pass ☐Fail ☐
AM ☐PM☐	14		Pass ☐Fail ☐
AM ☐PM☐	Retest		Pass ☐Fail ☐
AM ☐PM☐	Retest		Pass ☐Fail ☐
AM ☐PM☐	Retest		Pass ☐Fail ☐
AM ☐PM☐	Retest		Pass ☐Fail ☐
AM ☐PM☐	Retest		Pass ☐Fail ☐
AM ☐PM☐	Retest		Pass ☐Fail ☐
AM ☐PM☐	Retest		Pass ☐Fail ☐

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




RECEIVED
JAN 09 2014
DIV. OF OIL, GAS & MINING
20 Gal
96 Rev
Graphic Controls llc
1-2-2014
CHART NO. MC MP-3000-96MIN
50 DIV
Newfield
Pioneer 78
METER
1 of 1
CHART PUT ON
TAKEN OFF
M
M
API# 43013521070000
LOCATION
Well# Jorgenson 2-4-7-32WH
REMARKS
2700
2400
2100
1800
1500
1200
900
600
300

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: 14-20-H62-6269

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

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: Jorgensen 2-4-9-3-2WH

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

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

9. API Well No.: 43-013-52107

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

At surface: 231' FNL 1360' FEL (NW/NE) SEC 4 T3S R2W

At top prod. interval reported below: 375' FNL 2559' FEL (NW/NE) SEC 4 T3S R2W

At total depth: 589' FSL 2609' FEL (SW/SE) SEC 9 T3S R2W

10. Field and Pool or Exploratory: UNDESIGNATED

11. Sec., T., R., M., on Block and Survey or Area: SEC 4 T3S R2W

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 11/29/2013

15. Date T.D. Reached: 02/21/2014

16. Date Completed: 03/29/2014 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5341' GL 5368' KB

18. Total Depth: MD 19462' TVD 8920'

19. Plug Back T.D.: MD 19406' 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'	754'		1131 Class G			
12-5/8"	9-5/8" N-80	40.00	0'	8953'		2070 Versacem		2120'	
						455 Bondcem			
8-7/8"	5-1/2" P-110	20.0	0'	19433'		1963 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@9192'	XN@9145'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	9875'	19212'	9875' - 19212' MD	0.34	2352	
B) Green River	19306'	19308'	19306' - 19308' MD			SLEEVE
C)						
D)						

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

Depth Interval	Amount and Type of Material
9875' - 19308' MD	Frac w/ 4,778,080#s of 30/50 white sand and 13,000#s 100 mesh in 119,155 bbls of delta #25 fluid, in 50 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
3/29/14	4/9/14	24	→	1510	927	947			Gas Lift

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	7114'
				GARDEN GULCH 1	7397'
				GARDEN GULCH 2	7576'
				DOUGLAS CREEK	8312'
				B LIMESTONE	8811'
				CASTLE PEAK	9033'
				UTELAND BUTTE	9333'
				WASATCH	9468'

32. Additional remarks (include plugging procedure):

Bottom Producing interval: 723' FSL 2606' FEL (SW/SE) SEC 9 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 04/15/2014

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.

(Continued on page 3)

LEAM
Drilling Systems LLC

NEWFIELD EXPLORATION ROCKY MOUNTAINS

DUCHESNE COUNTY, UT (NAD 83)
CENTRAL BASIN (NAD 83)
2-4-9-3-2WH

2-4-9-3-2WH JORGENSEN

Design: 2-4-9-3-2WH JORGENSEN (Actual)

Standard Survey Report

17 February, 2014

NEWFIELD
ROCKY MOUNTAINS

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Well:	2-4-9-3-2WH	**North Reference:**	True
Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

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	**Latitude:**	40° 13' 50.461 N
From:	Map	**Easting:**	2,033,280.24 usft	**Longitude:**	110° 5' 34.149 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	20 "	**Grid Convergence:**	0.90 °

Well 2-4-9-3-2WH, JORGENSEN

Well Position	**+N/-S**	0.00 usft	**Northing:**	7,265,607.58 usft	**Latitude:**	40° 15' 27.720 N
	+E/-W	0.00 usft	**Easting:**	2,028,281.44 usft	**Longitude:**	110° 6' 36.640 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,368.00 usft	**Ground Level:**	5,340.00 usft

Wellbore 2-4-9-3-2WH JORGENSEN

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	1/20/2014	11.12	65.88	52,032

Design 2-4-9-3-2WH JORGENSEN (Actual)

Audit Notes:

Version:	ACTUAL	**Phase:**	ACTUAL	**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

Survey Program **Date** 2/17/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
28.00	697.00	VES Gyro Survey 28'-697' MD (2-4-9-3-2V	Gyroscope	Gyroscope
1,114.00	19,462.00	Pathfinder(SBL)MWD(697')1114'-19392'(T	MWD-ISCWSA	MWD - Standard

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
28.00	0.00	0.00	28.00	0.00	0.00	0.00	0.00	0.00	0.00
128.00	0.50	254.36	128.00	-0.12	-0.42	0.12	0.50	0.50	0.00
228.00	0.51	335.40	228.00	0.17	-1.03	-0.17	0.66	0.01	81.04
328.00	0.47	204.43	327.99	0.20	-1.39	-0.20	0.89	-0.04	-130.97
428.00	0.30	157.10	427.99	-0.42	-1.46	0.42	0.35	-0.17	-47.33
528.00	0.33	339.18	527.99	-0.39	-1.46	0.39	0.63	0.03	-177.92

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
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Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

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)
628.00	0.39	246.14	627.99	-0.26	-1.87	0.26	0.53	0.06	-93.04
697.00	0.30	194.32	696.99	-0.53	-2.13	0.53	0.45	-0.13	-75.09
VES Gyro Survey 28'-697' MD									
754.00	0.30	199.53	753.99	-0.82	-2.22	0.82	0.05	0.00	9.14
10-3/4" Casing (754' MD- 753.99 TVD - 13-3/8" Csg- 754' MD- TVD									
1,114.00	0.35	229.08	1,113.98	-2.43	-3.36	2.43	0.05	0.01	8.21
1,209.00	0.53	288.83	1,208.98	-2.48	-4.00	2.48	0.49	0.19	62.89
1,304.00	0.26	230.75	1,303.98	-2.47	-4.58	2.47	0.47	-0.28	-61.14
1,399.00	0.26	260.85	1,398.98	-2.64	-4.96	2.64	0.14	0.00	31.68
1,494.00	0.62	232.18	1,493.97	-2.99	-5.58	2.99	0.43	0.38	-30.18
1,589.00	0.62	224.65	1,588.97	-3.67	-6.35	3.67	0.09	0.00	-7.93
1,684.00	0.44	231.97	1,683.97	-4.26	-7.00	4.26	0.20	-0.19	7.71
1,779.00	0.44	262.59	1,778.96	-4.54	-7.65	4.54	0.24	0.00	32.23
1,873.00	0.26	223.00	1,872.96	-4.74	-8.15	4.74	0.31	-0.19	-42.12
1,968.00	0.53	245.84	1,967.96	-5.08	-8.70	5.08	0.32	0.28	24.04
2,063.00	0.44	255.27	2,062.96	-5.35	-9.45	5.35	0.13	-0.09	9.93
2,253.00	0.53	254.90	2,252.95	-5.76	-11.00	5.76	0.05	0.05	-0.19
2,442.00	0.26	241.93	2,441.94	-6.19	-12.23	6.19	0.15	-0.14	-6.86
2,632.00	0.35	237.41	2,631.94	-6.71	-13.10	6.71	0.05	0.05	-2.38
2,822.00	0.26	225.45	2,821.94	-7.32	-13.89	7.32	0.06	-0.05	-6.29
3,012.00	0.53	189.95	3,011.93	-8.49	-14.35	8.49	0.19	0.14	-18.68
3,202.00	0.44	191.07	3,201.93	-10.07	-14.64	10.07	0.05	-0.05	0.59
3,297.00	1.85	307.49	3,296.91	-9.50	-15.93	9.50	2.19	1.48	122.55
3,392.00	4.57	312.85	3,391.75	-5.99	-19.92	5.99	2.88	2.86	5.64
3,487.00	6.42	308.98	3,486.31	-0.07	-26.83	0.07	1.98	1.95	-4.07
3,581.00	9.50	311.83	3,579.40	8.41	-36.69	-8.41	3.30	3.28	3.03
3,676.00	9.58	310.58	3,673.08	18.78	-48.54	-18.78	0.23	0.08	-1.32
3,771.00	9.76	309.84	3,766.73	29.08	-60.73	-29.08	0.23	0.19	-0.78
3,866.00	9.41	308.35	3,860.41	39.06	-73.00	-39.06	0.45	-0.37	-1.57
3,961.00	9.15	307.99	3,954.16	48.53	-85.04	-48.53	0.28	-0.27	-0.38
4,056.00	8.79	306.38	4,048.00	57.48	-96.84	-57.48	0.46	-0.38	-1.69
4,150.00	8.62	304.61	4,140.92	65.74	-108.42	-65.74	0.34	-0.18	-1.88
4,245.00	10.29	308.40	4,234.63	75.06	-120.93	-75.06	1.88	1.76	3.99
4,340.00	9.85	307.89	4,328.16	85.32	-133.99	-85.32	0.47	-0.46	-0.54
4,435.00	9.32	307.04	4,421.84	94.94	-146.55	-94.94	0.58	-0.56	-0.89
4,530.00	9.58	307.86	4,515.55	104.43	-158.93	-104.43	0.31	0.27	0.86
4,625.00	9.50	306.14	4,609.23	113.90	-171.50	-113.90	0.31	-0.08	-1.81
4,720.00	9.23	302.72	4,702.97	122.64	-184.24	-122.64	0.65	-0.28	-3.60
4,815.00	9.76	309.40	4,796.67	131.87	-196.87	-131.87	1.29	0.56	7.03
4,909.00	9.50	310.51	4,889.34	141.97	-208.93	-141.97	0.34	-0.28	1.18
5,004.00	9.06	305.60	4,983.10	151.42	-220.97	-151.42	0.95	-0.46	-5.17
5,099.00	8.88	304.84	5,076.94	159.96	-233.07	-159.96	0.23	-0.19	-0.80

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Well:	2-4-9-3-2WH	**North Reference:**	True
Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

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)
5,193.00	8.71	304.55	5,169.83	168.14	-244.89	-168.14	0.19	-0.18	-0.31
5,288.00	7.83	298.74	5,263.85	175.33	-256.49	-175.33	1.28	-0.93	-6.12
5,383.00	9.23	305.05	5,357.80	182.82	-268.40	-182.82	1.77	1.47	6.64
5,477.00	9.23	302.57	5,450.58	191.21	-280.92	-191.21	0.42	0.00	-2.64
5,572.00	9.58	310.16	5,544.31	200.41	-293.39	-200.41	1.36	0.37	7.99
5,667.00	9.41	310.74	5,638.00	210.57	-305.31	-210.57	0.21	-0.18	0.61
5,762.00	8.44	306.71	5,731.85	219.81	-316.79	-219.81	1.21	-1.02	-4.24
5,857.00	8.09	304.80	5,825.87	227.79	-327.86	-227.79	0.47	-0.37	-2.01
5,952.00	8.35	314.78	5,919.90	236.47	-338.25	-236.47	1.52	0.27	10.51
6,047.00	8.35	313.21	6,013.89	246.05	-348.17	-246.05	0.24	0.00	-1.65
6,141.00	7.39	308.32	6,107.00	254.47	-357.89	-254.47	1.24	-1.02	-5.20
6,236.00	8.53	313.85	6,201.09	263.14	-367.77	-263.14	1.44	1.20	5.82
6,331.00	8.71	312.39	6,295.02	272.87	-378.16	-272.87	0.30	0.19	-1.54
6,426.00	7.91	309.61	6,389.02	281.89	-388.51	-281.89	0.94	-0.84	-2.93
6,521.00	8.88	308.61	6,483.00	290.63	-399.28	-290.63	1.03	1.02	-1.05
6,616.00	8.88	308.11	6,576.86	299.73	-410.77	-299.73	0.08	0.00	-0.53
6,710.00	8.35	307.29	6,669.80	308.35	-421.91	-308.35	0.58	-0.56	-0.87
6,805.00	7.65	304.28	6,763.87	316.09	-432.63	-316.09	0.86	-0.74	-3.17
6,900.00	7.21	300.76	6,858.08	322.70	-442.97	-322.70	0.67	-0.46	-3.71
6,995.00	8.09	310.98	6,952.23	330.13	-453.14	-330.13	1.70	0.93	10.76
7,090.00	7.56	310.83	7,046.35	338.60	-462.92	-338.60	0.56	-0.56	-0.16
7,184.00	6.77	306.57	7,139.62	345.94	-472.05	-345.94	1.01	-0.84	-4.53
7,279.00	8.00	305.89	7,233.83	353.16	-481.90	-353.16	1.30	1.29	-0.72
7,374.00	7.83	304.67	7,327.92	360.71	-492.58	-360.71	0.25	-0.18	-1.28
7,469.00	7.47	304.96	7,422.08	367.93	-502.96	-367.93	0.38	-0.38	0.31
7,563.00	6.95	302.80	7,515.33	374.51	-512.75	-374.51	0.62	-0.55	-2.30
7,658.00	8.44	313.52	7,609.48	382.43	-522.64	-382.43	2.17	1.57	11.28
7,753.00	8.53	317.57	7,703.44	392.43	-532.45	-392.43	0.64	0.09	4.26
7,847.00	7.83	316.09	7,796.48	402.19	-541.59	-402.19	0.78	-0.74	-1.57
7,942.00	7.83	315.23	7,890.60	411.44	-550.64	-411.44	0.12	0.00	-0.91
8,037.00	7.21	310.83	7,984.78	419.94	-559.70	-419.94	0.89	-0.65	-4.63
8,132.00	6.60	309.86	8,079.09	427.33	-568.41	-427.33	0.65	-0.64	-1.02
8,227.00	6.60	312.40	8,173.46	434.51	-576.63	-434.51	0.31	0.00	2.67
8,321.00	6.07	313.00	8,266.89	441.55	-584.25	-441.55	0.57	-0.56	0.64
8,416.00	4.22	321.37	8,361.50	447.70	-590.11	-447.70	2.10	-1.95	8.81
8,511.00	2.02	327.28	8,456.36	451.84	-593.20	-451.84	2.34	-2.32	6.22
8,606.00	1.85	333.44	8,551.30	454.62	-594.79	-454.62	0.28	-0.18	6.48
8,701.00	1.93	340.10	8,646.25	457.50	-596.02	-457.50	0.25	0.08	7.01
8,734.00	2.11	336.47	8,679.23	458.58	-596.45	-458.58	0.67	0.55	-11.00
8,766.00	1.67	337.05	8,711.21	459.55	-596.87	-459.55	1.38	-1.38	1.81
8,797.00	1.06	344.75	8,742.20	460.24	-597.12	-460.24	2.05	-1.97	24.84
8,829.00	0.18	311.41	8,774.20	460.56	-597.23	-460.56	2.86	-2.75	-104.19

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Well:	2-4-9-3-2WH	**North Reference:**	True
Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

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)
8,861.00	0.79	184.99	8,806.20	460.37	-597.29	-460.37	2.84	1.91	-395.06
8,892.00	1.67	183.10	8,837.19	459.71	-597.33	-459.71	2.84	2.84	-6.10
8,916.00	1.93	186.49	8,861.18	458.96	-597.40	-458.96	1.17	1.08	14.13
Pathfinder MWD (697') 1114'- 8916' MD									
8,963.00	1.97	192.18	8,908.15	457.38	-597.66	-457.38	0.42	0.09	12.11
9-5/8" Casing- 8963' MD- 8908' TVD - 9-5/8" Csg- 8963' MD- 8908' TVD									
8,998.00	2.02	196.23	8,943.13	456.20	-597.96	-456.20	0.42	0.13	11.56
9,031.00	2.20	175.22	8,976.11	455.01	-598.07	-455.01	2.39	0.55	-63.67
9,062.00	4.75	183.22	9,007.05	453.13	-598.09	-453.13	8.35	8.23	25.81
9,094.00	7.47	198.43	9,038.87	449.84	-598.82	-449.84	9.82	8.50	47.53
9,126.00	11.34	189.72	9,070.43	444.76	-600.01	-444.76	12.85	12.09	-27.22
9,157.00	15.83	184.80	9,100.56	437.54	-600.88	-437.54	14.94	14.48	-15.87
9,189.00	20.05	180.93	9,131.00	427.70	-601.33	-427.70	13.70	13.19	-12.09
9,221.00	24.01	180.23	9,160.66	415.70	-601.45	-415.70	12.40	12.38	-2.19
9,252.00	28.40	180.14	9,188.46	402.01	-601.49	-402.01	14.16	14.16	-0.29
9,284.00	32.54	178.82	9,216.04	385.79	-601.33	-385.79	13.10	12.94	-4.13
9,316.00	35.70	177.33	9,242.53	367.86	-600.72	-367.86	10.21	9.88	-4.66
9,347.00	39.13	175.57	9,267.14	349.06	-599.54	-349.06	11.59	11.06	-5.68
9,379.00	43.88	174.61	9,291.10	327.94	-597.72	-327.94	14.98	14.84	-3.00
9,411.00	47.66	174.67	9,313.42	305.12	-595.58	-305.12	11.81	11.81	0.19
9,442.00	51.18	175.30	9,333.58	281.67	-593.53	-281.67	11.46	11.35	2.03
9,474.00	55.56	176.25	9,352.67	256.06	-591.64	-256.06	13.89	13.69	2.97
9,506.00	60.15	176.44	9,369.69	229.03	-589.92	-229.03	14.35	14.34	0.59
9,537.00	64.46	177.43	9,384.10	201.63	-588.45	-201.63	14.19	13.90	3.19
9,569.00	69.73	177.63	9,396.55	172.19	-587.18	-172.19	16.48	16.47	0.63
9,600.00	73.34	177.93	9,406.36	142.81	-586.05	-142.81	11.68	11.65	0.97
9,632.00	76.94	178.16	9,414.57	111.91	-584.99	-111.91	11.27	11.25	0.72
9,663.00	81.60	178.15	9,420.34	81.47	-584.01	-81.47	15.03	15.03	-0.03
9,695.00	85.38	178.94	9,423.97	49.69	-583.20	-49.69	12.06	11.81	2.47
9,727.00	88.11	178.50	9,425.78	17.76	-582.49	-17.76	8.64	8.53	-1.38
9,758.00	90.66	178.75	9,426.12	-13.23	-581.75	13.23	8.27	8.23	0.81
9,798.00	91.54	178.62	9,425.35	-53.21	-580.83	53.21	2.22	2.20	-0.33
9,889.00	93.39	178.47	9,421.44	-144.09	-578.52	144.09	2.04	2.03	-0.16
9,977.00	93.65	177.51	9,416.03	-231.87	-575.44	231.87	1.13	0.30	-1.09
10,029.00	94.09	177.24	9,412.52	-283.70	-573.06	283.70	0.99	0.85	-0.52
10,124.00	93.39	180.58	9,406.32	-378.47	-571.26	378.47	3.58	-0.74	3.52
10,219.00	91.63	184.10	9,402.16	-473.28	-575.14	473.28	4.14	-1.85	3.71
10,313.00	90.84	185.86	9,400.14	-566.90	-583.30	566.90	2.05	-0.84	1.87
10,408.00	92.07	186.03	9,397.72	-661.35	-593.13	661.35	1.31	1.29	0.18
10,440.00	92.33	186.03	9,396.50	-693.15	-596.49	693.15	0.81	0.81	0.00
10,471.00	93.12	186.47	9,395.02	-723.93	-599.86	723.93	2.92	2.55	1.42
10,503.00	92.24	187.00	9,393.53	-755.68	-603.61	755.68	3.21	-2.75	1.66

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Well:	2-4-9-3-2WH	**North Reference:**	True
Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

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)
10,535.00	92.15	186.47	9,392.30	-787.43	-607.36	787.43	1.68	-0.28	-1.66
10,566.00	92.07	187.26	9,391.16	-818.19	-611.06	818.19	2.56	-0.26	2.55
10,598.00	90.57	187.09	9,390.42	-849.93	-615.06	849.93	4.72	-4.69	-0.53
10,630.00	90.13	186.74	9,390.23	-881.70	-618.91	881.70	1.76	-1.38	-1.09
10,661.00	90.31	186.82	9,390.11	-912.48	-622.57	912.48	0.64	0.58	0.26
10,693.00	90.57	185.51	9,389.86	-944.29	-626.01	944.29	4.17	0.81	-4.09
10,724.00	91.19	184.98	9,389.39	-975.16	-628.84	975.16	2.63	2.00	-1.71
10,788.00	92.68	182.34	9,387.22	-1,038.98	-632.93	1,038.98	4.73	2.33	-4.13
10,819.00	93.30	183.57	9,385.61	-1,069.90	-634.52	1,069.90	4.44	2.00	3.97
10,882.00	92.95	183.40	9,382.17	-1,132.69	-638.35	1,132.69	0.62	-0.56	-0.27
10,975.00	93.21	181.83	9,377.18	-1,225.46	-642.58	1,225.46	1.71	0.28	-1.69
11,070.00	92.51	180.67	9,372.44	-1,320.31	-644.65	1,320.31	1.42	-0.74	-1.22
11,163.00	91.89	178.71	9,368.86	-1,413.24	-644.15	1,413.24	2.21	-0.67	-2.11
11,224.00	91.54	178.12	9,367.04	-1,474.19	-642.46	1,474.19	1.12	-0.57	-0.97
11,255.00	92.15	177.86	9,366.04	-1,505.15	-641.38	1,505.15	2.14	1.97	-0.84
11,317.00	93.30	178.48	9,363.09	-1,567.05	-639.40	1,567.05	2.11	1.85	1.00
11,348.00	93.91	177.78	9,361.14	-1,597.97	-638.39	1,597.97	2.99	1.97	-2.26
11,395.00	92.59	176.48	9,358.48	-1,644.83	-636.04	1,644.83	3.94	-2.81	-2.77
11,441.00	91.63	175.39	9,356.79	-1,690.69	-632.78	1,690.69	3.16	-2.09	-2.37
11,492.00	91.80	175.30	9,355.26	-1,741.49	-628.64	1,741.49	0.38	0.33	-0.18
11,533.00	93.21	176.49	9,353.47	-1,782.35	-625.71	1,782.35	4.50	3.44	2.90
11,577.00	93.39	178.14	9,350.93	-1,826.23	-623.65	1,826.23	3.77	0.41	3.75
11,626.00	93.12	176.04	9,348.15	-1,875.08	-621.17	1,875.08	4.31	-0.55	-4.29
11,672.00	92.95	173.80	9,345.72	-1,920.83	-617.10	1,920.83	4.88	-0.37	-4.87
11,719.00	94.18	174.40	9,342.79	-1,967.49	-612.28	1,967.49	2.91	2.62	1.28
11,772.00	93.74	174.45	9,339.13	-2,020.12	-607.14	2,020.12	0.84	-0.83	0.09
11,812.00	94.00	174.11	9,336.43	-2,059.83	-603.17	2,059.83	1.07	0.65	-0.85
11,858.00	94.00	174.61	9,333.23	-2,105.49	-598.66	2,105.49	1.08	0.00	1.09
11,905.00	94.53	175.11	9,329.73	-2,152.17	-594.46	2,152.17	1.55	1.13	1.06
11,946.00	94.00	175.57	9,326.68	-2,192.92	-591.14	2,192.92	1.71	-1.29	1.12
11,998.00	94.44	176.03	9,322.85	-2,244.64	-587.34	2,244.64	1.22	0.85	0.88
12,044.00	94.79	176.44	9,319.15	-2,290.39	-584.33	2,290.39	1.17	0.76	0.89
12,092.00	94.62	177.66	9,315.22	-2,338.17	-581.86	2,338.17	2.56	-0.35	2.54
12,135.00	95.32	177.99	9,311.49	-2,380.98	-580.24	2,380.98	1.80	1.63	0.77
12,168.00	94.79	177.73	9,308.58	-2,413.82	-579.01	2,413.82	1.79	-1.61	-0.79
12,218.00	93.47	177.08	9,304.98	-2,463.64	-576.75	2,463.64	2.94	-2.64	-1.30
12,268.00	92.33	177.38	9,302.45	-2,513.52	-574.34	2,513.52	2.36	-2.28	0.60
12,313.00	92.24	178.78	9,300.66	-2,558.46	-572.83	2,558.46	3.12	-0.20	3.11
12,360.00	92.15	179.99	9,298.86	-2,605.42	-572.33	2,605.42	2.58	-0.19	2.57
12,408.00	93.03	180.37	9,296.69	-2,653.37	-572.48	2,653.37	2.00	1.83	0.79
12,503.00	92.42	180.44	9,292.17	-2,748.26	-573.15	2,748.26	0.65	-0.64	0.07

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Well:	2-4-9-3-2WH	**North Reference:**	True
Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

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)
12,598.00	91.45	179.14	9,288.96	-2,843.20	-572.80	2,843.20	1.71	-1.02	-1.37
12,692.00	91.36	178.14	9,286.66	-2,937.14	-570.57	2,937.14	1.07	-0.10	-1.06
12,787.00	93.56	180.91	9,282.58	-3,032.04	-569.78	3,032.04	3.72	2.32	2.92
12,832.00	93.56	181.56	9,279.79	-3,076.94	-570.75	3,076.94	1.44	0.00	1.44
12,882.00	93.65	181.07	9,276.64	-3,126.83	-571.90	3,126.83	0.99	0.18	-0.98
12,977.00	93.74	180.79	9,270.52	-3,221.62	-573.44	3,221.62	0.31	0.09	-0.29
13,072.00	94.53	182.75	9,263.67	-3,316.32	-576.36	3,316.32	2.22	0.83	2.06
13,166.00	94.70	183.10	9,256.11	-3,409.89	-581.14	3,409.89	0.41	0.18	0.37
13,261.00	92.77	181.78	9,249.92	-3,504.60	-585.18	3,504.60	2.46	-2.03	-1.39
13,356.00	92.77	182.07	9,245.33	-3,599.43	-588.36	3,599.43	0.30	0.00	0.31
13,451.00	92.59	181.97	9,240.89	-3,694.27	-591.71	3,694.27	0.22	-0.19	-0.11
13,546.00	91.01	178.95	9,237.90	-3,789.21	-592.47	3,789.21	3.59	-1.66	-3.18
13,640.00	92.24	180.26	9,235.23	-3,883.16	-591.82	3,883.16	1.91	1.31	1.39
13,735.00	92.86	181.87	9,231.01	-3,978.05	-593.59	3,978.05	1.81	0.65	1.69
13,830.00	92.51	179.93	9,226.56	-4,072.93	-595.08	4,072.93	2.07	-0.37	-2.04
13,925.00	93.21	180.42	9,221.82	-4,167.81	-595.37	4,167.81	0.90	0.74	0.52
14,020.00	93.74	180.88	9,216.06	-4,262.63	-596.44	4,262.63	0.74	0.56	0.48
14,114.00	94.09	181.36	9,209.64	-4,356.39	-598.27	4,356.39	0.63	0.37	0.51
14,209.00	94.53	181.85	9,202.50	-4,451.08	-600.93	4,451.08	0.69	0.46	0.52
14,304.00	93.03	180.43	9,196.24	-4,545.85	-602.81	4,545.85	2.17	-1.58	-1.49
14,399.00	93.65	180.23	9,190.70	-4,640.69	-603.36	4,640.69	0.69	0.65	-0.21
14,494.00	94.09	180.01	9,184.29	-4,735.47	-603.56	4,735.47	0.52	0.46	-0.23
14,589.00	93.39	181.10	9,178.09	-4,830.26	-604.48	4,830.26	1.36	-0.74	1.15
14,684.00	93.47	180.70	9,172.41	-4,925.08	-605.97	4,925.08	0.43	0.08	-0.42
14,776.00	92.59	180.92	9,167.55	-5,016.94	-607.26	5,016.94	0.99	-0.96	0.24
14,871.00	92.59	180.25	9,163.26	-5,111.84	-608.23	5,111.84	0.70	0.00	-0.71
14,966.00	90.92	180.10	9,160.35	-5,206.79	-608.52	5,206.79	1.76	-1.76	-0.16
15,061.00	90.84	180.85	9,158.89	-5,301.78	-609.31	5,301.78	0.79	-0.08	0.79
15,156.00	92.42	180.46	9,156.18	-5,396.73	-610.40	5,396.73	1.71	1.66	-0.41
15,250.00	92.24	180.28	9,152.36	-5,490.65	-611.00	5,490.65	0.27	-0.19	-0.19
15,345.00	91.71	180.36	9,149.09	-5,585.59	-611.53	5,585.59	0.56	-0.56	0.08
15,440.00	92.86	181.00	9,145.30	-5,680.51	-612.66	5,680.51	1.39	1.21	0.67
15,535.00	93.47	181.36	9,140.06	-5,775.34	-614.61	5,775.34	0.75	0.64	0.38
15,629.00	92.59	181.34	9,135.09	-5,869.18	-616.82	5,869.18	0.94	-0.94	-0.02
15,724.00	91.01	179.13	9,132.10	-5,964.13	-617.21	5,964.13	2.86	-1.66	-2.33
15,819.00	91.19	180.33	9,130.28	-6,059.11	-616.77	6,059.11	1.28	0.19	1.26
15,913.00	91.10	180.07	9,128.40	-6,153.09	-617.09	6,153.09	0.29	-0.10	-0.28
16,008.00	91.98	180.29	9,125.85	-6,248.05	-617.39	6,248.05	0.95	0.93	0.23
16,103.00	94.00	180.34	9,120.89	-6,342.92	-617.91	6,342.92	2.13	2.13	0.05
16,197.00	93.56	180.62	9,114.70	-6,436.71	-618.70	6,436.71	0.55	-0.47	0.30
16,292.00	94.00	180.74	9,108.43	-6,531.49	-619.82	6,531.49	0.48	0.46	0.13
16,387.00	94.35	181.14	9,101.52	-6,626.23	-621.38	6,626.23	0.56	0.37	0.42

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Well:	2-4-9-3-2WH	**North Reference:**	True
Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

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)
16,482.00	93.30	180.96	9,095.18	-6,721.00	-623.12	6,721.00	1.12	-1.11	-0.19
16,577.00	92.68	181.01	9,090.22	-6,815.86	-624.75	6,815.86	0.65	-0.65	0.05
16,672.00	93.91	181.66	9,084.76	-6,910.67	-626.96	6,910.67	1.46	1.29	0.68
16,767.00	92.95	181.63	9,079.08	-7,005.46	-629.68	7,005.46	1.01	-1.01	-0.03
16,862.00	93.65	181.28	9,073.61	-7,100.27	-632.09	7,100.27	0.82	0.74	-0.37
16,957.00	94.44	181.35	9,066.91	-7,195.01	-634.26	7,195.01	0.83	0.83	0.07
17,051.00	94.18	181.84	9,059.85	-7,288.71	-636.87	7,288.71	0.59	-0.28	0.52
17,146.00	92.42	180.23	9,054.38	-7,383.53	-638.58	7,383.53	2.51	-1.85	-1.69
17,241.00	92.86	179.69	9,050.00	-7,478.43	-638.52	7,478.43	0.73	0.46	-0.57
17,335.00	94.18	180.62	9,044.23	-7,572.24	-638.77	7,572.24	1.72	1.40	0.99
17,430.00	93.91	181.15	9,037.53	-7,667.00	-640.23	7,667.00	0.62	-0.28	0.56
17,525.00	94.18	180.36	9,030.83	-7,761.75	-641.48	7,761.75	0.88	0.28	-0.83
17,620.00	94.88	179.23	9,023.32	-7,856.45	-641.14	7,856.45	1.40	0.74	-1.19
17,715.00	93.74	178.75	9,016.18	-7,951.17	-639.47	7,951.17	1.30	-1.20	-0.51
17,810.00	93.56	179.13	9,010.14	-8,045.96	-637.72	8,045.96	0.44	-0.19	0.40
17,905.00	94.09	180.01	9,003.80	-8,140.74	-637.01	8,140.74	1.08	0.56	0.93
18,000.00	93.47	178.28	8,997.54	-8,235.52	-635.59	8,235.52	1.93	-0.65	-1.82
18,095.00	92.95	178.79	8,992.22	-8,330.34	-633.17	8,330.34	0.77	-0.55	0.54
18,190.00	92.07	178.15	8,988.06	-8,425.21	-630.63	8,425.21	1.15	-0.93	-0.67
18,284.00	91.89	178.89	8,984.81	-8,519.12	-628.21	8,519.12	0.81	-0.19	0.79
18,379.00	93.12	179.58	8,980.66	-8,614.02	-626.94	8,614.02	1.48	1.29	0.73
18,474.00	92.51	179.24	8,975.99	-8,708.90	-625.96	8,708.90	0.73	-0.64	-0.36
18,569.00	92.59	179.07	8,971.76	-8,803.80	-624.56	8,803.80	0.20	0.08	-0.18
18,664.00	94.53	180.31	8,965.86	-8,898.61	-624.05	8,898.61	2.42	2.04	1.31
18,759.00	94.09	180.99	8,958.73	-8,993.33	-625.12	8,993.33	0.85	-0.46	0.72
18,854.00	93.39	179.14	8,952.53	-9,088.12	-625.23	9,088.12	2.08	-0.74	-1.95
18,949.00	92.15	178.92	8,947.94	-9,183.00	-623.62	9,183.00	1.33	-1.31	-0.23
19,043.00	92.42	179.70	8,944.19	-9,276.92	-622.49	9,276.92	0.88	0.29	0.83
19,138.00	92.95	180.05	8,939.74	-9,371.81	-622.29	9,371.81	0.67	0.56	0.37
19,233.00	94.09	181.15	8,933.91	-9,466.62	-623.28	9,466.62	1.67	1.20	1.16
19,328.00	93.56	181.66	8,927.57	-9,561.38	-625.60	9,561.38	0.77	-0.56	0.54
19,392.00	92.86	181.42	8,923.98	-9,625.26	-627.32	9,625.26	1.16	-1.09	-0.38
Pathfinder MWD 8,998'- 19,392' MD									
19,462.00	92.86	181.42	8,920.49	-9,695.15	-629.05	9,695.15	0.00	0.00	0.00
Projected to TD= 19462' MD- 8920.49 TVD									

LEAM Drilling Systems LLC

Survey Report

NEWFIELD ROCKY MOUNTAINS

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 2-4-9-3-2WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL(5340'+ 28'= 5,368' MSL) @ 5368.00usft (Pioneer 78 (KB=28'))
Well:	2-4-9-3-2WH	**North Reference:**	True
Wellbore:	2-4-9-3-2WH JORGENSEN	**Survey Calculation Method:**	Minimum Curvature
Design:	2-4-9-3-2WH JORGENSEN (Actual)	**Database:**	EDM 5000.1 Lynn Db

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
754.00	753.99	13-3/8" Csg- 754' MD- TVD	13-3/8	13-3/8
8,963.00	8,908.15	9-5/8" Csg- 8963' MD- 8908' TVD	9-5/8	9-5/8

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
8,916.00	8,861.18	458.96	-597.40	Pathfinder MWD (697') 1114'- 8916' MD
8,963.00	8,908.15	457.38	-597.66	9-5/8" Casing- 8963' MD- 8908' TVD
19,392.00	8,923.98	-9,625.26	-627.32	Pathfinder MWD 8,998'- 19,392' MD
19,462.00	8,920.49	-9,695.15	-629.05	Projected to TD= 19462' MD- 8920.49 TVD

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
2/28/2014	3/1/2014	Install 10 K HCR Valve and Test to Newfield Procedures. MIRU JW WireLine and test Lubricator to Newfield Specs. RIH 4.5" gauge ring to 9,626' (Marker Jt at 8,989') and POH same. PUMU CBL logging tool and RIH to 9,560.', POH to 8,308' with 0 Psi on casing, Drop down to 9,580' and pressure up to 1,500 Psi and log well to surface. Shut HCR and install night cap and tighten to HCR valve, Shut down for night.

Start Time	End Time	Comment
06:00	08:00	Install 10 K HCR Valve and Test to Newfield Procedures
08:00	10:30	MIRU JW WireLine and test Lubricator to Newfield Specs. RIH 4.5" gauge ring to 9,626' (Marker Jt at 8,989') and POH same.
10:30	16:00	PUMU CBL logging tool and RIH to 9,560.', POH to 8,308' with 0 Psi on casing, Drop down to 9,580' and pressure up to 1,500 Psi and log well to surface. Shut HCR and install night cap and tighten to HCR valve, Shut down for night.
16:00	00:00	Continue to set water tanks next to location for frac.

Report Start Date	Report End Date	24hr Activity Summary
3/1/2014	3/2/2014	Continue to prep location for future frac operations. 30 water tanks set for off location storage for frac operations. No other equipment brought to loc.

Start Time	End Time	Comment
00:00	18:00	Continue to set water tanks next to location for frac. Continue to prep location for future frac operations.
18:00	00:00	Shut down for night.

Report Start Date	Report End Date	24hr Activity Summary
3/2/2014	3/3/2014	Rockwater laying water manifold for water tanks.

Start Time	End Time	Comment
00:00	07:00	Shut down for night.
07:00	18:00	Continue to prep location for future frac operations. 30 water tanks set for frac operations. HCR on well head with tighten night cap, office and all associated outer equipment, light plants, manlift, forklift, on location. Rockwater laying water manifold for water tanks.
18:00	00:00	Shut down for night.

Report Start Date	Report End Date	24hr Activity Summary
3/3/2014	3/4/2014	Rockwater continue to rig up water manifold on water supply tanks.

Start Time	End Time	Comment
00:00	07:00	Shut Down for Night
07:00	17:30	Rockwater continue to rig up water manifold on water supply tanks.
17:30	00:00	Shut Down for Night

Report Start Date	Report End Date	24hr Activity Summary
3/4/2014	3/5/2014	Production is digging ditch to lay electrical line to production tank battery, Transformers set on poles yesterday, Setting rig anchors on loc, Changing out bad valves on frac water supply tanks, (CHI doing work).

Start Time	End Time	Comment
00:00	07:00	SDFN
07:00	11:30	Production is digging ditch to lay electrical line to production tank battery, Transformers set on poles yesterday, Setting rig anchors on loc, Changing out bad valves on frac water supply tanks, (CHI doing work).
11:30	17:30	Spot Frac tanks on location frac row, 14 tanks. Rain for Rent will bring the last 4 tanks in the morning.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
17:30	18:00	SDFN
18:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
3/5/2014	3/6/2014	Haul in Frac Tanks & Frac Stack.

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	10:00	Rain for Rent is setting the last 4 tanks.
10:00	18:00	Setting Flowback Tanks. Called FMC for Frac Stack to be delivered today and rigged up. Everyone will be here by 17:00. B&C Quicktest, B&G Crane & Torque crew are here. Cameron is on the way & we are waiting on FMC Frac Stack to arrive. Frac Stack should be here between 6 & 7pm.
18:00	00:00	FMC showed up with frac stack we will RU the frac as follows going from the top down. Top of frac stack is a 7 1/6" 10k for port goat head, 7 1/16" 10k gate valve, 7 1/16" flowcross with 2 double 4 1/16" 10k gate valves on both sides, bottom 71/16" 10k gate valve, 7 1/16" 10k x 7 1/16"10k spool and The 7 1/16" 10 HCR valve that was already set. FMC hand Jake Sonsel set the torque to 920 ft-lb of torque on all the new studs. The following companies were here to assist in the RU process, B&C Quicktest, B&G Crane & Torque crew from Weatherford are here. Cameron is here to put the hanger with the two way check in for the pressure test process.

Report Start Date	Report End Date	24hr Activity Summary
3/6/2014	3/7/2014	RU FMC frac stack as follows FMC frac stack is as follows going from the top down. Top of frac stack is a 7 1/6" 10k four port goat head, 7 1/16" 10k gate valve, 7 1/16" flowcross with 2 double 4 1/16" 10k gate valves on both sides, bottom 71/16" 10k gate valve, 7 1/16" 10k x 7 1/16"10k spool and The 7 1/16" 10 HCR valve that was already set.

Start Time	End Time	Comment
00:00	04:00	Pressure test each flange and gate valve according to NFX testing procedures to a low of 250psi for 5minutes and a high of 10,000psi for 10minutes equaling 7 tests. B&C Quick Test did all the testing. The charts have been put in the well file. Once again the FMC frac stack is as follows-FMC frac stack is as follows going from the top down. Top of frac stack is a 7 1/6" 10k four port goat head, 7 1/16" 10k gate valve, 7 1/16" flowcross with 2 double 4 1/16" 10k gate valves on both sides, bottom 71/16" 10k gate valve, 7 1/16" 10k x 7 1/16"10k spool and The 7 1/16" 10 HCR valve. Cameron came out and installed the hanger with a TWCV to retest the HCR valve and flange on the bottom of the HCR valve.
04:00	06:00	Well is shut in and secure in the following way HCR valve is open all the other valves on the frac stack are closed. Well is secure.
06:00	09:30	Current Ops; CHI is setting the last Flowback tank (4 Flowback Tanks & 2 Swab Tanks). 4C is cleaning up the road behind Flowback Tanks & Production tanks to make sure HES has enough space to drive in/out Chemicals & Pumps. Just finished Pre-Frac meeting with Pro Flowback, Halliburton Frac, J-W Wireline, FMC, Rockwater Water Transfer, KbarA Trucking & 4C. FMC is checking measurements on a spacer to be added to raise up Goat head instead of having to rig up 2nd goat head for HES Pump Lines. (FMC will let me know after while what they come up with)
09:30	12:00	PROS flowback arrived on location at 12 noon, had safety meeting and reviewed JSA. PROS is rigging up Flowback Iron, Plug Catcher, Dual Choke Manifold & Ball Catcher as per NFX Policy. FMC will be here around 14:30 with Spacer / Extra Goat Head to be rigged up. Jensen Electric on way to ground Flowback Tanks.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
12:00	18:00	PROS is rigging up Flowback Iron, Plug Catcher, Dual Choke Manifold & Ball Catcher as per NFX Policy. HES looked at extra FMC Goat head and we will double stack the goat heads for HES Frac. B&G Crane here stacking Goat Head. B&C Testers here torqueing up goat head and doing our Flowback Test. Jensen Electric has ground Flowback Tanks. CHI has plugged all of their backside valves on all 30 frac tanks, 2 swab tanks & 4 flowback tanks.
18:00	22:00	B&C Quick test started testing to Low Pressure Test to 250psi/5min & High Pressure Test to 10,000psi/10min. We have 11 tests to do to get it done.
22:00	00:00	Well is shut in and secure in the following way HCR valve is open all the other valves on the frac stack are closed. Well is secure.

Report Start Date	Report End Date	24hr Activity Summary
3/7/2014	3/8/2014	RU flowback iron and get it tested to NFX Policy Low Pressure Test to 250psi/5min & High Pressure Test to 10,000psi/10min.

Start Time	End Time	Comment
00:00	06:00	Well is shut in and secure in the following way HCR valve is open all the other valves on the frac stack are closed. Well is secure.
06:00	08:45	@ 6:45am HES Pump Trucks showing up on location to Test Casing to 7000psi, Fire Stage Rider Perf Guns & get Injection Test. We will spot equipment and hold a Pre-job Safety/Rig Up Meeting to discuss Safety and go over the Job Procedure and Pressures & Steps.
08:45	10:45	HES is rigged up and primed. Held Safety meeting with crew and went back over Job Steps. We are ready to Test Pump Lines to 8900psi and then start Casing test 30mins @ 7000psi. @ 09:25 Pressure test HES pump lines to 8800psi for 5 mins (Good Test). @ 09:50 Open Wellhead 0 psi on well, 9 5/8" 90psi, 13 3/8" 125psi.... Start pumping @ 3bpm / 2000psi pressure climbing. Keep rate @ 3bpm until we reach 7070psi. Hold for 30mins. @ 10:00 Pressure dropped 100psi over 30 mins on casing test. Pressure @ 6970psi, 9 5/8" @ 287psi, 13 3/8" @ 145psi. Good Test. Bleed well off to 0 psi. @ 10:45 Bleed well down to 0psi.
10:45	11:30	@ 10:50 Start pressuring up on well to fire Sage Rider Perf Guns. @ 3bpm-2600psi walking it up to 7818psi. @ 10:54 Guns fired @ 7565psi with 7bbls into it. Pressure steady @ 5556psi. Grab rate @ 5bpm / 6000psi, @ 9bpm / 6861psi, @ 11.7bpm / 7471psi pressure broke, @ 17.4bpm / 8000psi pressure broke to 7927psi, @ 18bpm / 7900psi pressure climbed & broke @ 8005psi, @ 19.6bpm / 8445psi with 175bbls pumped in. Backed rate down to 9.2bpm 7063psi and falling. @ 11:09 We went offline and will do a ISIP of 5, 10 & 15 minute... Max pressure 8485psi, Max rate 19.6bpm, Average pressure 6745psi & Average Rate 11.3bpm.. ISIP @ 5min / 4102psi, @ 10min / 4010psi, @ 15min / 3959psi @ 11:25 Closed well with 3800psi on it.
11:30	13:30	@ 12:45 HES has rigged down and moved off location.
13:30	18:00	4C will haul water to location.. 2000bbls
18:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
3/8/2014	3/9/2014	Test Casing, Fire Sage Rider Perf Guns, Injection Test for Frac Info. Also running Water Transfer lines and manifold being rigged up as well.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	12:00	RockWater hooking up manifold, running line around to working tanks & tie into the 6" hard line.
12:00	18:00	HES is going to start hauling in the Mountain Movers today. RockWater is running their Lay Flat transfer line to working tanks. We will start moving Frac from Faucett to here tonight.
18:00	00:00	Start moving Frac from the Faucett to here and get spotted and start rigging up. Can not move iron etc off Faucett yet.. Will move some equipment but not all. Start hauling sand into location.

Report Start Date	Report End Date	24hr Activity Summary
3/9/2014	3/10/2014	Finish setting up Water Transfer & move some Frac Equipment into location & haul sand.

Start Time	End Time	Comment
00:00	02:00	Hauled in HES Mountain Movers and started hauling in sand. Moved some Frac Pumps to location as well.
02:00	03:00	Day Light Savings Time
03:00	06:00	Hauled in HES Mountain Movers and started hauling in sand. Moved some Frac Pumps to location as well.
06:00	18:00	HES is having sand hauled into location. HES Frac also has moved in some Frac pumps and spotted them. RockWater is still lining up Pipeline to be able to transfer water done to us. HES Frac is moving in Missile and Iron to start rigging up. RockWater started moving water thru 6" pipeline and there was a leak. They have shut down and NFX was fixing the small leak. Once leak is fixed RockWater will start moving water again and let me know.
18:00	00:00	J-W Wireline is on location will get all their equipment spotted. J-W Wireline will then finish getting RU at that point. B&C Quicktest will be here around 20:00 to torque on the wireline 7 1/16th 10k to bowen connection flange and get it tested. Rockwater will have enough water on the transfer pad to do 2 stages in about 8 hours. They are only pumping about 9bpm right now. Then they will have to pump it over to the frac tanks that Halliburton's hooked to on location. So, Halliburton will be back on location at 05:00am to prime up and test all the iron.
00:00	00:00	

Report Start Date	Report End Date	24hr Activity Summary
3/10/2014	3/11/2014	J-W Wireline is on location and finish getting RU. Rockwater will have enough water on the transfer pad to do 2 stages in about 8 hours. They are only pumping about 9bpm right now. Then they will have to pump it over to the frac tanks

Start Time	End Time	Comment
00:00	05:00	J-W Wireline is on location and finish getting RU. Rockwater will have enough water on the transfer pad to do 2 stages in about 8 hours. They are only pumping about 9bpm right now. Then they will have to pump it over to the frac tanks that Halliburton's hooked to on location. So, Halliburton will be back on location at 05:00am to prime up and test all the iron.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
05:00	08:30	Halliburton on location to prime up and test all the iron. HES Frac is testing lines Low Test @ 6500psi @ 3mins & High Test @ 10,500psi @ 3 mins & getting ready to open WH and start Frac. @ 08:27 HES opened WH. WH psi @ 3055psi RockWater was testing line with air on AST pad and found a leaking flange. They are tightening it up and will re-test. Once Re-test is confirmed Good they will start pushing water to the Staging Pad on the Jorgensen. Preferred Hot Oiler is heating Transfer Pad Tanks to 75* Started Fracing Stage#1
08:30	09:48	Finished Fracing Stage # 1
09:48	12:48	@ 10:15 JW Wireline tested to 9000psi (Good Test). @ 10:25 JW Opened well and RIH. WH @ 4100psi @ 10:20 RockWater has started moving Water again to the Transfer Pad @ 15bpm @ 90* @ AST . Preferred Hot Oiler is heating Transfer Pad Tanks to 75* 11:50 – 12:40 - While RIH with WL (187speed, 600LT, 17.3 bpm, 6960 psi) we started seeing some bobbles in LT then leveled out. LT was 600LT. JW started laying wire on the ground before they noticed it. We stopped Pumps and stopped spoiling wire off drum. We fixed the Wire on the WL drum and started spoiling the wire back on drum. When we got Line Weight back and started POOH, We Never Pulled Heavy. We picked up to 12,280ft. Once at 12,280ft we started our pump down again. @ 12:30 & 12,280ft we started pumping @ 3bpm @ 4200psi. @ 6bpm @ 5200psi. @ 9bpm @ 5653psi 650LT @ 12bpm @ 6390psi. @ 15bpm, 6831psi / 745LT @ 35ft/min @17bpm @ 6947psi / 819LT. @17.4bpm @ 6985psi 870LT @ 44ft/min. While pumping @ 17.4bpm @ 6985psi / 880LT @ 45ft/min wirelines LT started increasing rapidly before operator could shut down pumps & spoil out wire, We pumped Off Tool String. Called Orson & Chris..
12:48	14:30	WL has lost tool string in well for Stage #2.
14:30	15:00	HES is going to Pump down the WL Tool String to the TOE @ 19,406ft. HES rate @ 25.4bpm @ 7690psi. HES saw a very small pressure increase once lateral volume was pumped.
15:00	00:00	JW is rigging up to RIH and Perf Stage # 2 Intervals. JW is rigging up to RIH and Perf Stage # 2 Intervals. 19,210'-12', and 19,140'-42', POH logging collar log out. Perf: Stage # 2 , RIH with guns and Plug to KOP. pumped down guns at 17.8 bpm @ 8,139 Psi, @39 fpm, 621 LT, pumped guns to 19,285', Pulled up and got line tension and set no plug. Line tension prior to setting plug N/A, line tension after plug set N/A, plug set time N/A. POH and perf'ed at19,210'-12', 19,140'-42', POOH with tools, max pressure for pump down: 8,139, Max rate for pump down- 17.8 bpm. Total BBls pumped-2,689 bbls. POH with tools, All tools recovered.
00:00	00:00	

Report Start Date	Report End Date	24hr Activity Summary
3/11/2014	3/12/2014	frac stages #1 Perf stage#2

Start Time	End Time	Comment
00:00	01:30	Finished POH with tools, High winds of 31 MPH with 45 MPH gusts, Able to get lubricator off well head and turn over to frac for stage #2.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
01:30	03:00	Frac stage #2, 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water. 2. During WL run, pumped tool string off. Pumped tool string to bottom & pumped down stg 2 guns. 3. Job went well with all proppant placed. WG-36-3.5% (42.5), FR-66-4.6% (4.3), MX 2-2738 -6.7% (4.4) Optiflo II-6.4% (13.5), Losurf 300D-5% (12) SP Breaker-9.9% (1.3), CLA-Web-9.3% (22), MCB 8642-3.4% (1.6)
03:00	05:00	Wait on high winds to die down as to operate wireline crane, High steady and gusting winds at present time.
05:00	09:45	P&P Stage#3, RIH with guns and Plug to KOP. pumped down guns at 15.5 bpm @ 5882 Psi, @ 225 fpm, 900 LT, pumped Plug to 19,020ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1370LT, line tension after plug set 1233LT, plug set time 45 sec. POOH and perfed at 18,905'-18,907' / 18,775' – 18,777'. POOH with tools, Max pressure @ 5882psi, Max rate 15.5 bpm. Total BBls pumped- 671bbls.
09:45	11:00	Fracing Stage 3;
11:00	14:45	P & P Stage 4. @ 13:00 Plug and Perf: Stage # 4 RIH with guns and Plug to KOP. pumped down guns at 13.5 bpm @ 5390 Psi, @ 220 fpm, 870 LT, pumped Plug to 18,744ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1313LT, line tension after plug set 1185LT, plug set time 22 sec. POOH and perfed at 18,687'-18,685' / 18,632' – 18,630'. @ 13:10 POOH with tools, Max pressure @ 5390psi, Max rate 13 bpm. Total BBls pumped- 525bbls.
14:45	16:30	Fracing Stage # 4 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water. 2. Calculated holes open, psi perf friction, psi NWB as per FracPro. 3. Initially had high perf and high pipe friction due to xlinked fluid. Saw good pressure relief when prop reached perfs. 4. No other issues, able to place job completely. Overall good job by crew. Ball Seat Stage Pressures and Rate: 6150 psi @ 16.2 bpm , 5390 psi Pressure before Seating , 6125 psi Pressure after Seating WG-36-10% (146.7), BC-200-4.9% (5.6), BA-40-4% (2.3), MX 2-2738 -4.9% (1.7) Optiflo II-2.3% (2.2), Losurf 300D-3.8% (4.4) CLA-Web-4.9% (5.6),
16:30	21:00	P&P Stage 5..... WH @ 4200psi, made two trips in well and found same problems. Tools not working properly, Tried two times without results, Rehead and retool and try to RIH and P&P stage #5 again. Found interface on wireline drum not working.
21:00	23:00	Repaired interface on wireline drum, RIH to P&P satge#5, Pumped down tools to 14,800' @213 fpm, 14.0 bpm, 6,345 Psi, Blend's suction pump locked up, Shut down pumps and wireline, POH with wireline tools to 14,580', shut down to see if we were going to be able to restart pump down of tools, Blender is down, POH with wireline tools @ 100 fpm, Shut down waiting on HES.
23:00	00:00	Blender is down, POH with wireline tools @ 100 fpm, Shut down waiting on Howco. RD blender and take to town for repairs.

Sundry Number: 50135 API Well Number: 43013521070000

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
3/12/2014	3/13/2014	Continue to frac well

Start Time	End Time	Comment
00:00	06:00	Waiting on HES blender to be repaired and back on line, Suction pump locked up with something in pump housing. Being taken to shop for repairs
06:00	15:15	HES has arrived with Blender. They are in the process of hooking it back up. Once hooked up they will prime and test everything then we will be ready to start our P&P Run for Stage 5 again.
15:15	18:15	HES is tested to 9600psi. Rigging up WL on WH and ready to fill Lubricator & Test. WL RIH @ 15:15..... Tested to 9600psi J-W has perfed stage 5 and are POOH. Everything went well. RIH with guns and Plug to KOP. pumped down guns at 14.2 bpm @ 6590 Psi, @ 198 fpm, 820 LT, pumped Plug to 18,580ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1333LT, line tension after plug set 1227LT, plug set time 22 sec. POOH and perfed at 18,540'-18,542' / 18,465' – 18,467'. POOH with tools, Max pressure @ 6747psi, Max rate 14.2 bpm. Total BBls pumped- 559bbls.
18:15	19:15	frac stage #5, 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water. 2. Pumped acid at the beginning of the stage due to higher treating pressure without it on previous stage. 3. Had a good indication of the ball seating and observed an ~2,700 psi acid break. 4. Job went well with all proppant placed. WG-36-17.6% (281.4), BC-200-2.5% (2.9), BA-20-16.5% (2.4), MX 2-2738 -11.5% (4.5) Optiflo II-5.6% (4.1), Losurf 300D-5.2% (6.8), Optiflo H T E-7.2% (1.5), CLA-Web-34% (44.8),
19:15	22:45	P&P stage #6, RIH with guns and Plug to KOP. pumped down guns at 13.9 bpm @ 5,550 Psi, @ 221 fpm, 641 LT, pumped Plug to 18,422 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1308 LT, line tension after plug set 1213 LT, plug set time 43 sec. POOH and perfed at 18,360'- 62' / 18,300' – 02'. POOH with tools, Max pressure @ 5,677 psi, Max rate 14.9 bpm. Total BBls pumped- 538.17 bbls.
22:45	00:00	Stage #6, still pumping stage at report time

Report Start Date	Report End Date	24hr Activity Summary
3/13/2014	3/14/2014	Continue to frac well

Start Time	End Time	Comment
00:00	01:00	1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water. 2. Pumped acid at beginning of job and got a good acid break. 3. Job treated well until 6 ppg hit formation and pressure turned up. 4. Kicked out all pumps as prop conc started to fall on perfs. 5. Brought rate back on and was able to complete flush and pump until pressure was lined out at pumpdown rates. BA-40-4.7% (1.8), Losurf 300D-2.5% (2.6)
01:00	04:00	Plug and Perf: Stage # 7 RIH with guns and Plug to KOP. pumped down guns at 14.8 bpm @ 7,420 Psi, @ 177.3 fpm, 639 LT, pumped Plug to 18,242ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1220 LT, line tension after plug set 1138LT, plug set time 49 sec. POOH and perfed at 18,190'-92' / 18,130' – 32'. POOH with tools, Max pressure @ 7,420 psi, Max rate 14.8 bpm. Total BBls pumped- 629.99 bbls.

Sundry Number: 50135 API Well Number: 43013521070000

Start Time	End Time	Comment
04:00	05:30	stage #7
05:30	11:20	Plug and Perf: Stage # 8 RIH with guns and Plug to KOP. pumped down guns at 13 bpm @ 5404 Psi, @ 194 fpm, 720 LT, pumped Plug to 18,083ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1293LT, line tension after plug set 1195LT, plug set time 49 sec. POOH and perfed at 18,025'-18,027' / 17,970' – 17,972'. POOH with tools, Max pressure @ 5565psi, Max rate 13.1 bpm. Total BBls pumped- 495bbls.
11:20	13:00	Frac Stage 8
13:00	17:00	Plug and Perf: Stage # 9 RIH with guns and Plug to KOP. pumped down guns at 14 bpm @ 5370 Psi, @ 215 fpm, 780 LT, pumped Plug to 17,920ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1456LT, line tension after plug set 1144LT, plug set time 43 sec. POOH and perfed at 17,865'-17,867' / 17,785' – 17,787'. POOH with tools, Max pressure @ 5525psi, Max rate 14.3 bpm. Total BBls pumped- 626bbls.
17:00	18:00	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 prop conc design based for job. 3. Good pressure relief when Acid reached bottom, but lower than previous stages. 4. Overall good job by crew, placed job completely. Ball Seat Stage Pressures and Rate: 6200 psi @ 15 bpm , 5420 psi Pressure before Seating , 6210 psi Pressure after Seating, WG-36-4.9% (68.8), MX 2-2738 -3.9% (1.4) Losurf 300D-4.8% (5.5)
18:00	22:00	Plug and Perf: Stage # 10 RIH with guns and Plug to KOP. pumped down guns at 14.0 bpm @ 5,626 Psi, @ 219 fpm, 669 LT, pumped Plug to 17,752 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1150 LT, line tension after plug set 1103 LT, plug set time 46 sec. POOH and perfed at 17,680' - 82', & 17,565'- 67', POOH with tools, Max pressure @ 5745 psi, Max rate 14.9 bpm. Total BBls pumped- 613.59 bbls.
22:00	23:30	stage #10
23:30	00:00	P&P Stage #11 Started.

Report Start Date	Report End Date	24hr Activity Summary
3/14/2014	3/15/2014	Continue to frac well

Start Time	End Time	Comment
00:00	03:00	Plug & Perf Stage 11 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5657 Psi, @ 223 fpm, 850 LT, pumped Plug to 17,541ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1130 LT, line tension after plug set 1129 LT, plug set time 46 sec. POOH and perfed at 17,477'- 79' / 17,420' – 22'. POOH with tools, Max pressure @ 6,502psi, Max rate 15.0 bpm. Total BBls pumped- 554 bbls.
03:00	04:00	Frac Stage 11
04:00	07:30	Plug and Perf: Stage # 12 RIH with guns and Plug to KOP. pumped down guns at 14.9 bpm @ 5635 Psi, @ 216 fpm, 824 LT, pumped Plug to 17,364ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1155LT, line tension after plug set 1150LT, plug set time 47 sec. POOH and perfed at 17,340'-17,342' / 17,275' – 17,277'. POOH with tools, Max pressure @ 5934psi, Max rate 14.9 bpm. Total BBls pumped- 537bbls.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
07:30	09:00	Frac Stage 12
09:00	12:00	Plug and Perf: Stage # 13 RIH with guns and Plug to KOP. pumped down guns at 14.1 bpm @ 5488 Psi, @ 225 fpm, 820 LT, pumped Plug to 17,228ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1109LT, line tension after plug set 1007LT, plug set time 25 sec. POOH and perfed at 17,170'-17,172' / 17,040' – 17,042'. POOH with tools, Max pressure @ 5834psi, Max rate 14.3 bpm.Total BBls pumped- 603bbls.
12:00	14:30	Frca Stage # 13
14:30	17:30	Plug and Perf: Stage # 14 RIH with guns and Plug to KOP. pumped down guns at 14 bpm @ 5750 Psi, @ 235 fpm, 775 LT, pumped Plug to 17,020ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1130LT, line tension after plug set 1040LT, plug set time 35 sec. POOH and perfed at 16,982'-16,984' / 16,915' – 16,917'. POOH with tools, Max pressure @ 6359psi, Max rate 14.3 bpm. Total BBls pumped- 462bbls.
17:30	19:00	frac stage 14, 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water., 2. Good job with no problems, placed job completely. Ball Seat Stage Pressures and Rate: 6200 psi @ 15 bpm , 5485 psi Pressure before Seating , 6205 psi Pressure after Seating, Losurf 300D-3.1% (3.3)
19:00	21:30	Stage #15, RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,838 Psi, @ 223 fpm, 783 LT, pumped Plug to 16,895 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1150 LT, line tension after plug set 1015 LT, plug set time 47 sec. POOH and perfed at 16,835'-37' / 16,735' – 16,737'. POOH with tools, Max pressure @ 5,838 psi, Max rate 15.0 bpm. Total BBls pumped- 499 bbls.
21:30	22:30	stage #15
22:30	00:00	P&P stage #16, Pumping down at report time. Report continued on tomorrows report.

Report Start Date	Report End Date	24hr Activity Summary
3/15/2014	3/16/2014	Continue to frac well

Start Time	End Time	Comment
00:00	01:00	Continue to POH with tools from stage #16 P&P started on 3-14-14
01:00	02:00	frac stage #16, 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water. 2. Pumped stage with acid and a 5 ppg max proppant concentration design. 3. Job went well with all proppant placed. Ball Seat Stage Pressures and Rate: 6090 psi @ 11.5 bpm , 5407 psi Pressure before Seating , 6050 psi Pressure after Seating, WG-36-3.2% (45.4),
02:00	05:00	Plug and Perf: Stage # 17 RIH with guns and Plug to KOP. pumped down guns at 14.5 bpm @ 5,621 Psi, @ 228 fpm, 765 LT, pumped Plug to 16,505 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1090 LT, line tension after plug set 1048 LT, plug set time 47 sec. POOH and perfed at 16,430'-32' / 16,340' – 42'. POOH with tools, Max pressure @ 5,857 psi, Max rate 15.0 bpm. Total BBls pumped - 435 bbls.
05:00	06:15	frac stage #17

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
06:15	09:15	Plug and Perf: Stage # 18 RIH with guns and Plug to KOP. pumped down guns at 14.0 bpm @ 5,430 Psi, @ 240 fpm, 718 LT, pumped Plug to 16,292 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1040 LT, line tension after plug set 885 LT, plug set time 35 sec. POOH and perfed at 16,250'- 16,252' / 16,150' – 16,152'. POOH with tools, Max pressure @ 5,835 psi, Max rate 14.2 bpm. Total BBls pumped- 466 bbls.
09:15	10:28	Frac Stage 18
10:28	13:28	Plug and Perf: Stage # 19 RIH with guns and Plug to KOP. pumped down guns at 14.2 bpm @ 5,269 Psi, @ 230 fpm, 785 LT, pumped Plug to 16,090 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1219 LT, line tension after plug set 928 LT, plug set time 20 sec. POOH and perfed at 15,986'- 15,988' / 15,935' – 15,937'. POOH with tools, Max pressure @ 5,563 psi, Max rate 14.3 bpm. Total BBls pumped- 392 bbls.
13:28	14:13	Grease Frac Stack before Fracing Stage 19.....
14:13	15:20	Frac Stage 19
15:20	18:20	Plug and Perf: Stage # 20 RIH with guns and Plug to KOP. pumped down guns at 14.0 bpm @ 5,160 Psi, @ 245 fpm, 795 LT, pumped Plug to 15,905 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1155 LT, line tension after plug set 961 LT, plug set time 20 sec. POOH and perfed at 15,850'- 15,852' / 15,845' – 15,847'. POOH with tools, Max pressure @ 5,364 psi, Max rate 14.4 bpm. Total BBls pumped- 395 bbls.
18:20	19:20	Frac stage #20 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water. 2. Pumped stage with acid and a 5ppg max proppant concentration design. 3. Job went well with all proppant placed. 4. Dropped rate during flush to manage pressure when 5 ppg hit formation. Ball Seat Stage Pressures and Rate: 5975 psi @ 11.8 bpm , 5185 psi Pressure before Seating , 5970 psi Pressure after Seating, WG-36-6.5% (91.8), BC-200-5.7% (6.4), FR-66-9.1% (1.3), BA-40-4.8% (2.7), Scalesorb 7-6.1% (19.7), MX 2-2738 -7.6% (2.3) Optiflo II-4% (2.3), Losurf 300D-6.6% (6.8), SP Breaker-6.4% (1.1), Optiflo H T E-3.5% (1.2), CLA-Web-4.1% (4.2),
19:20	20:20	Start in hole with tools to 460', Tools not communicating POH to check tools, Tools checked and found wire pulled into but insolation intact. repair and RIH.
20:20	23:20	Plug and Perf: Stage # 21 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 7,269 Psi, @ 186 fpm, 749 LT, pumped Plug to 15,795' ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1132 LT, line tension after plug set 1026 LT, plug set time 49 sec. POOH and perfed at 15,730'- 32' / 15,570' – 72'. POOH with tools, Max pressure @ 8,479 psi, Max rate 15.0 bpm. Total BBls pumped- 589 bbls.
23:20	00:00	Start of frac stage #21

Report Start Date	Report End Date	24hr Activity Summary
3/16/2014	3/17/2014	Continue to frac well

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:00	00:30	Finish frac stage #21, 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Produced water. 2. Pumped with acid and 5 ppg max proppant concentration design. 3. Job went well with all proppant placed. WG-36-2.9% (40.7), BC-200-4.9% (5.4), BA-40-4.9% (2.7), MX 2-2738 -4.2% (1.4) Losurf 300D-4.5% (5.1)
00:30	03:00	P&P satge #22, RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,363 Psi, @ 227 fpm, 733 LT, pumped Plug to 15,558 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1123 LT, line tension after plug set 975 LT, plug set time 25 sec. POOH and perfed at 15,475'- 77' / 15,336' – 38'. POOH with tools, Max pressure @ 5,363 psi, Max rate 15.0 bpm. Total BBls pumped- 409 bbls.
03:00	04:30	Frac stage #22
04:30	08:00	Plug and Perf: Stage # 23 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,548 Psi, @ 233 fpm, 774 LT, pumped Plug to 15,295 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1211 LT, line tension after plug set 997 LT, plug set time 59 sec. POOH and perfed at 15,235'- 37' / 15,230' – 32'. POOH with tools, Max pressure @ 5,560 psi, Max rate 15.0 bpm. Total BBls pumped- 375 bbls.
08:00	09:21	Frac Stage 23
09:21	10:36	Grease Frac Stack
10:36	13:09	Plug and Perf: Stage # 24 RIH with guns and Plug to KOP. pumped down guns at 14.3 bpm @ 5,695 Psi, @ 243 fpm, 1368 LT, pumped Plug to 15,157 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1720 LT, line tension after plug set 1623 LT, plug set time 15 sec. POOH and perfed at 15,135'- 15,137' / 14,985' – 14,987'. POOH with tools, Max pressure @ 6,143 psi, Max rate 14.04 bpm. Total BBls pumped- 362 bbls.
13:09	15:45	Frac Stage 24
15:45	18:00	Plug and Perf: Stage # 25 RIH with guns and Plug to KOP. pumped down guns at 13.5 bpm @ 5,015 Psi, @ 218 fpm, 1231 LT, pumped Plug to 14,970 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1744 LT, line tension after plug set 1608 LT, plug set time 80 sec. POOH and perfed at 14,925'- 14,927' / 14,715' – 14,717'. POOH with tools, Max pressure @ 5,400 psi, Max rate 13.5 bpm. Total BBls pumped- 341 bbls.
18:00	19:00	frac Stage #25
19:00	22:00	Plug and Perf: Stage # 26 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,560 Psi, @ 236 fpm, 1,342 LT, pumped Plug to 14,694 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1680 LT, line tension after plug set 1379 LT, plug set time 36 sec. POOH and perfed at 14,635'- 37' / 14,568' – 70'. POOH with tools, Max pressure @ 5,560 psi, Max rate 15.0 bpm. Total BBls pumped- 350 bbls.
22:00	23:00	Stage 26
23:00	00:00	RIH to P&P stage #27

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
3/17/2014	3/18/2014	Continue to frac well

Start Time	End Time	Comment
00:00	01:30	Plug and Perf: Stage # 27 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,628 Psi, @ 240 fpm, 1259 LT, pumped Plug to 14,567 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1472 LT, line tension after plug set 1472 LT, plug set time 55 sec. POOH and perfed at 14,410'- 12' / 14,340' – 42'. POOH with tools, Max pressure @ 5,671 psi, Max rate 15.0 bpm. Total BBls pumped- 357 bbls.
01:30	02:45	Frac stage #27
02:45	05:00	Plug and Perf: Stage # 28 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,674 Psi, @ 235 fpm, 1256 LT, pumped Plug to 14,316 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1574 LT, line tension after plug set 1510 LT, plug set time 45 sec. POOH and perfed at 14,250'- 52' / 14,170' – 72'. POOH with tools, Max pressure @ 5,674 psi, Max rate 15.0 bpm. Total BBls pumped- 328 bbls.
05:00	06:15	Frac Stage #28
06:15	08:39	Plug and Perf: Stage # 29 RIH with guns and Plug to KOP. pumped down guns at 14.0 bpm @ 5,315 Psi, @ 215 fpm, 1244 LT, pumped Plug to 14,142 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1569 LT, line tension after plug set 1514 LT, plug set time 35 sec. POOH and perfed at 14,105'- 14,107' / 14,030' – 14,032'. POOH with tools, Max pressure @ 5,720 psi, Max rate 14.4 bpm. Total BBls pumped- 293 bbls.
08:39	09:39	FMC Greasing frack Tree.
09:39	11:00	Frac Stage 29
11:00	14:30	Plug and Perf: Stage # 30 RIH with guns and Plug to KOP. pumped down guns at 14 bpm @ 5,401 Psi, @ 230 fpm, 1217 LT, pumped Plug to 13,930 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1620 LT, line tension after plug set 1444 LT, plug set time 60 sec. POOH and perfed at 13,875'- 13,8 77' / 13,785' – 13,787'. POOH with tools, Max pressure @ 5,742 psi, Max rate 14.9 bpm. Total BBls pumped- 285 bbls.
14:30	21:30	WInds blowing 30mph constant and guesting to 55mph. WL rigged up on well but can not rig off because of high winds.
21:30	22:30	Frac stage #30
22:30	00:00	Plug and Perf: Stage # 31 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,586 Psi, @ 250 fpm, 1255 LT, pumped Plug to 13,765 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1560 LT, line tension after plug set 1460 LT, plug set time 25 sec. POOH and perfed at 13,705'- 707' / 13,580' – 82'. POOH with tools, Max pressure @ 5,586 psi, Max rate 15.0 bpm. Total BBls pumped- 264 bbls.

Report Start Date	Report End Date	24hr Activity Summary
3/18/2014	3/19/2014	Continue to frac well

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:00	01:00	Finish POH with tools from P&P Stage #31, RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,586 Psi, @ 250 fpm, 1255 LT, pumped Plug to 13,765 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1560 LT, line tension after plug set 1460 LT, plug set time 25 sec. POOH and perfed at 13,705'- 707' / 13,580' – 82'. POOH with tools, Max pressure @ 5,586 psi, Max rate 15.0 bpm. Total BBls pumped- 264 bbls.
01:00	02:00	Frac Stage #31
02:00	04:30	Plug and Perf: Stage # 32 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,751 Psi, @ 220 fpm, 1280 LT, pumped Plug to 13,567 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1627 LT, line tension after plug set 1480 LT, plug set time 30 sec. POOH and perfed at 13,510'- 12' / 13,395' – 97'. POOH with tools, Max pressure @ 5,751 psi, Max rate 15.0 bpm. Total BBls pumped- 303 bbls.
04:30	05:30	Frac #32
05:30	08:40	Plug and Perf: Stage # 33 RIH with guns and Plug to KOP. pumped down guns at 15.3 bpm @ 5,420 Psi, @ 200 fpm, 1164 LT, pumped Plug to 13,360 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1567 LT, line tension after plug set 1485 LT, plug set time 70 sec. POOH and perfed at 13,300'- 13,8302' / 13,170' – 13,172'. POOH with tools, Max pressure @ 5,670 psi, Max rate 15.4 bpm. Total BBls pumped- 233 bbls.
08:40	10:05	Frac Stage 33
10:05	12:15	Plug and Perf: Stage # 34 RIH with guns and Plug to KOP. pumped down guns at 15 bpm @ 5,410 Psi, @ 223 fpm, 1177 LT, pumped Plug to 13,113 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1530 LT, line tension after plug set 1482 LT, plug set time 55 sec. POOH and perfed at 13,085'- 13,8087' / 12,985' – 12,987'. POOH with tools, Max pressure @ 5,742 psi, Max rate 14.9 bpm. Total BBls pumped- 183 bbls.
12:15	13:45	Frac Stage 34
13:45	16:00	Plug and Perf: Stage # 35 RIH with guns and Plug to KOP. pumped down guns at 15.2 bpm @ 5,575 Psi, @ 246 fpm, 1175 LT, pumped Plug to 12,906 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1506 LT, line tension after plug set 1470 LT, plug set time 25 sec. POOH and perfed at 12,825'- 12,8 27' / 12,755' – 12,757'. POOH with tools, Max pressure @ 6,220 psi, Max rate 15.4 bpm. Total BBls pumped- 198 bbls.
16:00	17:00	Frac Stage 35, Pumped well volume and acid and zone locked up, Flowing well back to recover ball.
17:00	00:00	Pumped well volume and acid and zone locked up, Flowing well back to recover ball and plan skip stage #35 and to P&P stage #36. Continue to try and recover ball from well, Pressured well to surge well back. Pump into well @3.3 bpm pressure increased to 4,389 psi, broke back to 3,897 psi, continued to pump into well with 106 bbls, ball seated and pressured to 9,050psi, surged well and pressure fell to 533 psi, Increased to 1,023 psi, fell to 702 psi, increased to 1,193 psi, stabilized @ 1,184 psi @7.5 bpm F/B increased to 6.8 bpm with 140 bbls flowed back, pressure slowly dropped to 1,153 psi, then fell to 424 psi, increased to 1,040 psi, increased to 1,053 psi and stabilized @ 1,153 psi @ 6.0 bpm flowback. 275 bbls flowed back at update time, Still flowing back well,

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
3/19/2014	3/20/2014	Continue to frac well

Start Time	End Time	Comment
00:00	04:30	Continue to flow back 600 bbls back and check for ball. (283 bbls well volume), Pressured up on well two times and surge well back. On second surge attempt well started flowing as follows, Pump into well @3.3 bpm pressure increased to 4,389 psi, broke back to 3,897 psi, continued to pump into well with 106 bbls, ball seated and pressured to 9,050psi, surged well and pressure fell to 533 psi, Increased to 1,023 psi, fell to 702 psi, increased to 1,193 psi, stabilized @ 1,184 psi F/B increased to 7.5 bpm with 140 bbls flowed back, pressure slowly dropped to 1,153 psi, then fell to 424 psi, increased to 1,040 psi, increased to 1,053 psi and stabilized @ 1,153 psi @ 6.0 bpm flowback. 275 bbls flowed back at report time, Still flowing back well, all flowing was with full open choke, Flowed back 680 bbls, checked ball catcher and found sand and pieces that looked like composite material, Pumped into well 144 bbls @ 7. bpm, ball seated, Pressure well and going to surge well back, Total of fluid flowed back 1,500 bbls.
04:30	06:00	Called in fpr orders, Flow back well,
06:00	09:00	RIH W/L and Perf stage #36, RIH with dummy plug and guns, (No frac plug) Flowed back 680 bbls, Able to pump into well at 28.0 bpm @ 7900 psi avg, Checked ball catcher and still no ball found, Plug and Perf: Stage # 36 RIH with guns and Plug to KOP. pumped down guns at 15 bpm @ 6,115 Psi, @ 120 fpm, 1175 LT, NO PLUG , POOH and perfed at 12,642'- 12,644' / 12,550' – 12,552'. POOH with tools, Max pressure @ 6,680 psi, Max rate 15.0 bpm. Total BBls pumped- 317 bbls.
09:00	11:10	Frac Stage 36
11:10	13:10	Plug and Perf: Stage # 37 RIH with guns and Plug to KOP. pumped down guns at 15 bpm @ 5,175 Psi, @ 230 fpm, 1158 LT, pumped Plug to 12,503 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1512 LT, line tension after plug set 1485 LT, plug set time 30 sec. POOH and perfed at 12,465'- 12,467' / 12,375' – 12,377'. POOH with tools, Max pressure @ 5,482 psi, Max rate 15.1 bpm. Total BBls pumped- 158 bbls.
13:10	14:10	Grease the Frac Stake...
14:10	15:40	Frac Stage 37
15:40	18:30	Plug and Perf: Stage # 38 RIH with guns and Plug to KOP. pumped down guns at 14 bpm @ 5,080 Psi, @ 230 fpm, 1253 LT, pumped Plug to 12,329 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1512 LT, line tension after plug set 1435 LT, plug set time 50 sec. POOH and perfed at 12,278'- 12,280' / 12,165' – 12,167'. POOH with tools, Max pressure @ 5,464 psi, Max rate 14.1 bpm. Total BBls pumped- 154 bbls.
18:30	20:00	frac 38
20:00	22:00	Plug and Perf: Stage # 39 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,749 Psi, @ 250 fpm, 1243 LT, pumped Plug to 12,165 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1530 LT, line tension after plug set 1,1450 LT, plug set time 40 sec. POOH and perfed at 12,110'-12' / 11,965' – 67'. POOH with tools, Max pressure @ 5,749 psi, Max rate 15.0 bpm. Total BBls pumped- 189 bbls.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
22:00	23:00	Frac #39
23:00	00:00	P&P Stage #40, RIH in hole with W/L at report time,

Report Start Date	Report End Date	24hr Activity Summary
3/20/2014	3/21/2014	Continue to frac well

Start Time	End Time	Comment
00:00	01:00	Plug and Perf: Stage # 40 RIH with guns and Plug to KOP. pumped down guns at 14.6 bpm @ 5,611 Psi, @ 260 fpm, 1270 LT, pumped Plug to 11,930 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1465 LT, line tension after plug set 1396 LT, plug set time 1m10 sec. POOH and perfed at 11,875'- 77' / 11,820' – 22'. POOH with tools, Max pressure @ 5,611 psi, Max rate 14.6 bpm. Total BBls pumped- 150 bbls.
01:00	02:00	Frac Stage #40
02:00	04:00	P&P #41, Plug and Perf: Stage # 41 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,808 Psi, @ 240 fpm, 1275 LT, pumped Plug to 11,810 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1440 LT, line tension after plug set 1400 LT, plug set time 40 sec. POOH and perfed at 11,695'- 97' / 11,590'- 92'. POOH with tools, Max pressure @ 5,808 psi, Max rate 15.0 bpm. Total BBls pumped - 160 bbls.
04:00	05:00	Frac #41
05:00	07:18	Plug and Perf: Stage # 42 RIH with guns and Plug to KOP. pumped down guns at 15 bpm @ 5,140 Psi, @ 189 fpm, 1220 LT, pumped Plug to 11,566 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1450 LT, line tension after plug set 1329 LT, plug set time 50 sec. POOH and perfed at 11,480'- 11,482' / 11,435' - 11,437'. POOH with tools, Max pressure @ 5,456 psi, Max rate 15.1 bpm. Total BBls pumped- 177 bbls.
07:18	08:30	Frac Stage 42
08:30	11:00	Plug and Perf: Stage # 43 RIH with guns and Plug to KOP. pumped down guns at 15 bpm @ 5,250 Psi, @ 245 fpm, 1298 LT, pumped Plug to 11,393 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1480 LT, line tension after plug set 1430 LT, plug set time 35 sec. POOH and perfed at 11,290'- 11,8292' / 11,232' – 11,234'. POOH with tools, Max pressure @ 5,457 psi, Max rate 15.2 bpm. Total BBls pumped- 115 bbls.
11:00	12:06	Frac Stage 43
12:06	14:12	Plug and Perf: Stage # 44 RIH with guns and Plug to KOP. pumped down guns at 14 bpm @ 5,975 Psi, @ 204 fpm, 1251 LT, pumped Plug to 11,181 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1587 LT, line tension after plug set 1406 LT, plug set time 20 sec. POOH and perfed at 11,140'- 11,8142' / 11,050' – 11,052'. POOH with tools, Max pressure @ 6,388 psi, Max rate 14.1 bpm. Total BBls pumped- 106 bbls.
14:12	16:18	Grease Frac Stack
16:18	17:09	Frac Stage 44

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
17:09	19:30	P&P Stage 45,Plug and Perf: Stage # 45 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,443 Psi, @ 231 fpm, 1360 LT, pumped Plug to 10,020 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 11424 LT, line tension after plug set 1319 LT, plug set time 46 sec. POOH and perfed at 10,950'- 52' / 10,835 - 37'. POOH with tools, Max pressure @ 5,720 psi, Max rate 15.0 bpm. Total BBls pumped- 105 bbls.
19:30	20:30	Frac Stage #45
20:30	22:30	Plug and Perf: Stage # 46 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 5,840 Psi, @ 250 fpm, 11350 LT, pumped Plug to 10,790 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1432 LT, line tension after plug set 11410 LT, plug set time 45 sec. POOH and perfed at 10,770'- 72' / 10,705'- 07'. POOH with tools, Max pressure @ 5,840 psi, Max rate 15.0 bpm. Total BBls pumped- 88 bbls.
22:30	23:30	Frac Stage #46
23:30	00:00	P&P #47, Start in hole to P&P #47 at report time.

Report Start Date	Report End Date	24hr Activity Summary
3/21/2014	3/22/2014	Continue to frac well

Start Time	End Time	Comment
00:00	01:30	Plug and Perf: Stage # 47 , RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 6,772 Psi, @ 186 fpm, 1150 LT, pumped Plug to 10,690 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1500 LT, line tension after plug set 1340 LT, plug set time 20 sec. POOH and perfed at 10,640'- 42' / 10,545'- 47'. POOH with tools, Max pressure @ 6,772 psi, Max rate 15.0 bpm. Total BBls pumped- 110 bbls.
01:30	02:30	Frac stage #47
02:30	04:00	Plug and Perf: Stage # 48 RIH with guns and Plug to KOP. pumped down guns at 15.0 bpm @ 6,546 Psi, @ 210 fpm, 1100 LT, pumped Plug to 10,515 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1430 LT, line tension after plug set 1295 LT, plug set time 50 sec. POOH and perfed at 10,450'- 52' / 10,354'- 56'. POOH with tools, Max pressure @ 6,546 psi, Max rate 15.0 bpm. Total BBls pumped- 81 bbls.
04:00	05:00	Frac stage #48
05:00	07:21	Frac'ed stage #48, wireline got twisted and birdnest in line, lay down lubricator and cut and rehead and pick back up lubricator to P&P stage #49.
07:21	09:21	Plug and Perf: Stage # 49 RIH with guns and Plug to KOP. pumped down guns at 12 bpm @ 5,325 Psi, @ 188 fpm, 1190 LT, pumped Plug to 10,318 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1538 LT, line tension after plug set 1349 LT, plug set time 50 sec. POOH and perfed at 10,280'- 10,282' / 10,205' – 10,207'. POOH with tools, Max pressure @ 5,700 psi, Max rate 12 bpm. Total BBls pumped- 77 bbls.
09:21	13:21	Frac Stage 49; We screened out with 9000gals let in flush. Flowed well back at 9bpm and flowed 360bbls back. Turned it over to Frac to try and finish Flush. Frac finally got 25bpm @ 8700psi then dropped to 12bpm @ 6600psi pumped 392bbls into it and shut down. Turning well over to WL for Stage 50 P&P.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
13:21	15:21	Plug and Perf: Stage # 50 RIH with guns and Plug to KOP. pumped down guns at 12 bpm @ 6,315 Psi, @ 180fpm, 1168 LT, pumped Plug to 10,069 ft, Pulled up and got line tension and set plug. Line tension prior to setting plug 1396 LT, line tension after plug set 1350 LT, plug set time 50 sec. POOH and perfed at 10,005'- 10,007' / 9,875' – 9,877'. POOH with tools, Max pressure @ 6,690 psi, Max rate 12 bpm. Total BBls pumped- 39 bbls.
15:21	16:21	Frac Stage 50
16:21	20:00	WL RIH and Set 10k composite bridge plug in middle of 3rd full joint above KOP @ 9000'. RIH past depth and log back up to ensure we set in proper joint and location. POOH, Pick up 2nd 10K K Composite Bridge plug and set bridge plug in middle of joint above the first plug. When wireline is fully out of well. Bleed off pressure on 5-1/2" casing to 0psi. Ensure well remains dead for 30 min before moving forward. Will send depths of Kill Plugs once they are set.
20:00	22:30	Shut-in well with HCR and upper manual frac valve. RD frac company and wireline company off frac tree. RDMO wireline unit, Howco frac equipment, Move equipment off location,
22:30	00:00	MIRU- B&G Crane, Weatherford, BC Quick test, ND frac stack, NU/BOP stack, ND/ 10K 7-1/16" Frac Stack Confirmed well is dead, 10K 7-1/16" 'Upper Master' manual frac valve 10K 7-1/16" flowcross with dual, double 2-1/16" outlets 10K 7-1/16" 'Crown' manual frac valve

Report Start Date	Report End Date	24hr Activity Summary
3/22/2014	3/23/2014	MIRU equipment for drill out

Start Time	End Time	Comment
00:00	01:00	Continue to ND/ 10K 7-1/16" Frac Stack Confirmed well is dead, 10K 7-1/16" 'Upper Master' manual frac valve 10K 7-1/16" flowcross with dual, double 2-1/16" outlets 10K 7-1/16" 'Crown' manual frac valve
01:00	02:30	NU/ 10K 7-1/16" BOP Drill Stack Confirmed well is dead, ND 10k 7-1/16" tree, leaving Lower Master HCR only. NU BOP stack on tubing head as follows from bottom to top: 10K 7-1/16" Lower Master Frac Valve (Already Installed on Wellhead) 10K 7-1/16" pipe 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 Function and pressure test new BOP stack, Pressure testy 250 psi low, 10,000 psi high, Pressuree test as to Newfield's test procedures. Unload 2-3/8" 5.95# P-110 PH-6 workstring on racks.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
02:30	06:30	Function and pressure test new BOP stack, Pressure testy 250 psi low, 10,000 psi high, Pressuree test as to Newfield's test procedures. QTI Cleaning and inspecting 2 3/8 PH-6 tbg at present time, PROS is still trying to Rig Up to the BOP Stack.
06:30	11:00	QTI Cleaning and inspecting 2 3/8 PH-6 tbg at present time, Testing 10K 7-1/16" BOP Drill Out Stack Function and pressure test new BOP stack, Pressure test 250 psi low, 10,000 psi high, Pressure test as to Newfield's test procedures. MST on location spotting equipment and starting to rig up WOR & Snubbing Unit. CSI here inspecting Pipe. PROs rigging up their stuff as well.
11:00	16:30	Current Operations – @ 1530 MST opened well and started RIH. When we opened Well, well had 500psi we bleed it right off it was just fluid No Gas..... @ 11:00am MST Snubbing unit is rigged up and tested as per NFX Policy 250 Low pressure @ 5mins & 5000 @ 10mins. MST 5K Snubbing Stack; 5K Annular 5K 7-7/16" Single 2-3/8" Pipe Rams 5K Upper Equalizing Loop & Bled Off 5K 7-7/16" Duel 2-3/8" Pipe Rams 5K Lower Equalizing Loop Weatherford BOP Stack is as Follows; Tested stack as Per NFX Policy 250psi Low for 5mins / 10,000psi High for 10mins. 10K 7-1/16" Lower Master Frac Valve (Already Installed on Wellhead) 10K 7-1/16" pipe 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
16:30	23:00	PUMU & RIH 2-3/8" 5.95# P-110 PH-6 workstring to 8,836'. (kill plug #2), 4.60" - 4.65" OD 4-Blade Mill (slightly concave is recommended for drilling out obsidian plugs) Bit Sub, 1 jt of 2-3/8" 5.95# P-110 PH6 (30.81ft), Coil style dual back pressure valve 1 jt of 2-3/8" 5.95# P-110 PH6 (30.72ft), RN-Nipple (@ 65.6ft) 2-3/8"5.95# P-110 PH6 to surface (R-Nipple every 5000ft')
23:00	00:00	Tagged Kill Plug @ 8836', on jt 288, PUMU swivel and ready equipment to start plug drill out. Hold PJSM and begin start of drill out operations.

Report Start Date	Report End Date	24hr Activity Summary
3/23/2014	3/24/2014	Drill out plugs

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:00	01:00	Drill out Kill plugs and liven well, Bring system up to operating pressure, all good, Start drill out of Kill plug #2. Circulating at 1.8 bpm @ 4800 psi, flowback @ 2.5 bpm @ 3,300 Psi. Kill Plug #2 gone @ 12:50 AM. Tagged Kill plug # 2 at 8,836' on jt #288, Up weight 58k, down weight 50, neutral 56. 1100 free torque, 2800 drill torque. WOB: 4-6 pts, RPM @ 120. 1-8 bbl in @ 3200 psi, 2.0 bbl out @2800 psi on 15/64" choke. 24 minutes to drill plug. Pumped 54 bbls water.
01:00	02:00	Drill out Kill plugs and liven well, Bring system up to operating pressure, all good, Start drill out of Kill plug #2. Circulating at 1.8 bpm @ 4800 psi, flowback @ 2.5 bpm @ 3,300 Psi. Kill Plug #1 gone @ 02:00 AM. Tagged Kill plug # 1 at 8,878' on jt #289, Up weight 54, down weight 52, neutral 53. 1100 free torque, 2800 drill torque. WOB: 4-6 pts, RPM @ 120. 1.8 bbl in @4500psi, 5 bbl out @3200 psi on 24/64" choke. 35 minutes to drill plug. Pumped 82 bbls water.
02:00	03:00	Circulating with pump at 1.8 bpm @ 4800 psi, Flowback @ 5.0 bpm @ 3,200 Psi. Circulate well bore clean.
03:00	06:00	RIH with 39 jts to tag frac plug #50 @ 10,069' (328 Jts in), Chasing kill plug bottom into hole, hanging up in collars, Flowing back @ 3.4 bpm @ 3,100 psi,
06:00	06:30	Tagged frac plug #50 @ 10,069' (328 Jts in) Tagged plug # 50 at 10,069' 29ft stick-up on jt #328, Up weight 62K, down weight 56K, neutral 58k. 1900 free torque, 2900 drill torque. WOB: 2-6pts, RPM @ 120. 2bbl in @ 4000psi, 5 bbl out @ 3200psi on 24/64" choke. 29 minutes to drill plug. Pumped 55bbls water with 0 gal of vendor\chemical to 0 gals. Pumped 20 bbl gel sweep.
06:30	07:30	@ 0640 - Tagged plug # 49 at 10,318' on jt #336, Up weight 62k, down weight 56k, neutral 58k. 14k free torque, 1400 drill torque. WOB: 2-6 pts, RPM @ 120. 2 bbl in @ 4100psi, 3.5 bbl out @ 3400psi on 20/64" choke. 35 minutes to drill plug. Pumped 70bbls water with 0 gal of Western\chemical to 0 gals. Pumped 20bbl gel sweep.
07:30	10:00	Flowback had issues with a gauge and setting rate. Weatherfords Pump sucked air and had to reprime.
10:00	11:30	@ 0945 - Tagged plug # 48 at 10,501' 10ft stick-up on jt #342, Up weight 62K, down weight 56K, neutral 59K. 1700 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4600psi, 3.25 bbl out @ 3500 psi on 29 minutes to drill plug. Pumped 69 bbls water with 0 gal of Western\chemical to 0 gals. Pumped 20bbl gel sweep.
11:30	12:30	@ 1053 - Tagged plug # 47 at 10,678' on jt # 347 stick up 4ft, Up weight 60k, down weight 54k, neutral 56k. 1700 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4500psi, 3.25 bbl out @ 3500psi on 19/64" choke. 27 minutes to drill plug. Pumped 58 bbls water with 0 gal of Western\chemical to 0 gals. Pumped 20 bbl gel sweep.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
12:30	13:30	@ 1143-Tagged plug # 46 at 10,783' on jt #351, Stick-up 4ft, Up weight 60k, down weight 53k, neutral 56k. 1700 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2 bbl in @ 4500psi, 3.25 bbl out @ 3500psi on 19/64" choke. 38 minutes to drill plug. Pumped 76 bbls water with 0 gal of Western\chemical to 0 gals. Pumped 20 bbl gel sweep.
13:30	14:30	@ 12:55 - Tagged plug # 45 at 10,952' on jt #357, Stick-up 20ft, Up weight 60k, down weight 52k, neutral 56k. 1400 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4000psi, 3.25 bbl out @ 3500psi on 19/64" choke. 27 minutes to drill plug. Pumped 68 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
14:30	15:30	@ 1400 - Tagged plug # 44 at 10,952' on jt #364, Stick-up 29ft, Up weight 58k, down weight 49k, neutral 52k. 1400 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.7 bbl in @ 4700psi, 3.25 bbl out @ 3500psi on 19/64" choke. 23 minutes to drill plug. Pumped 81 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
15:30	17:30	Circulate bottoms up of 230bbls then RIH to Plug # 43. @ 16:18 - Tagged plug # 43 at 11,372' on jt #371, Stick-up 30ft, Up weight 58k, down weight 48k, neutral 52k. 1600 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4600psi, 3.25 bbl out @ 3500psi on 19/64" choke. 28 minutes to drill plug. Pumped 71 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
17:30	18:30	Tagged plug # 42 at 11,372' on jt #376, Stick-up 20 ft, Up weight 58k, down weight 48k, neutral 52k. 1600 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4000 psi, 3.25 bbl out @ 3500psi on 21/64" choke. 30 minutes to drill plug. Pumped 72 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
18:30	19:30	Tagged plug # 41 at 11,372' on jt #383, Stick-up 20 ft, Up weight 55k, down weight 46k, neutral 50k. 1600 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000psi, 3.25 bbl out @ 3400psi on 21/64" choke. 26 minutes to drill plug. Pumped 62 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
19:30	20:30	Tagged plug # 40 at 11,372' on jt #387, Stick-up 4 ft, Up weight 56k, down weight 52k, neutral 54k. 1600 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000psi, 3.25 bbl out @ 3450psi on 21/64" choke. 30 minutes to drill plug. Pumped 74 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
20:30	23:00	Pumping a Bottoms Up of 243 bbls, plus 20 bbls sweep,
23:00	00:00	Drilling on frac plug #39 at report time.

Report Start Date	Report End Date	24hr Activity Summary
3/24/2014	3/25/2014	Drill out frac plugs

Start Time	End Time	Comment
00:00	00:30	Tagged plug # 39 at 12,146' on jt #3950, Stick-up 20 ft, Up weight 58k, down weight 52k, neutral 56k. 1600 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000 psi, 2.3 bbl out @ 3450psi on 21/64" choke. 3036 minutes to drill plug. Pumped 95 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:30	01:30	Tagged plug # 38 at 12,329' on jt #401, Stick-up 25 ft, Up weight 54k, down weight 546k, neutral 50k. 1600 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000 psi, 2.3 bbl out @ 3450psi on 19/64" choke. 32 minutes to drill plug. Pumped 72 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
01:30	02:30	Tagged plug # 37at 12,503' on jt #407, Stick-up 29 ft, Up weight 54k, down weight 48k, neutral 50k. 1600 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000 psi, 2.3 bbl out @ 3450psi on 219/64" choke. 31 minutes to drill plug. Pumped 77 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
02:30	03:30	Tagged plug # 35 at 12,906' on jt #420, Stick-up 29 ft, Up weight 58k, down weight 50k, neutral 52k. 1600 free torque, 2300 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000 psi, 2.3 bbl out @ 3500 psi on 21/64" choke. 24 minutes to drill plug. Pumped 59 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
03:30	05:15	Pump a circulation of bottom's up with 270 bbls, plus 20 bbl sweep.
05:15	06:15	@ 5:28 Tagged plug # 34 at 13,084' on jt #426, Stick-up 10 ft, Up weight 60k, down weight 52k, neutral 56k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000 psi, 3.0 bbl out @ 3400 psi on 19/64" choke. 17 minutes to drill plug. Pumped 43 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
06:15	07:09	@ 06:46 - Tagged plug # 33 at 12,906' on jt #4434, Stick-up 8 ft, Up weight 64k, down weight 48k, neutral 56k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4500 psi, 3.0 bbl out @ 3500 psi on 19/64" choke. 14 minutes to drill plug. Pumped 32 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
07:09	08:09	@ 07:30 - Tagged plug # 32 at 13,530' on jt #441, Stick-up 25 ft, Up weight 64k, down weight 48k, neutral 56k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000 psi, 3.1 bbl out @ 3500 psi on 19/64" choke. 27 minutes to drill plug. Pumped 70 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
08:09	09:09	@ 08:20 - Tagged plug # 31 at 13,632' on jt #444, Stick-up 15 ft, Up weight 64k, down weight 48k, neutral 56k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4000 psi, 3.1 bbl out @ 3500 psi on 19/64" choke. 22 minutes to drill plug. Pumped 66 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
09:09	10:09	Circulating Bottoms Up 279bbls
10:09	11:09	@ 10:20 - Tagged plug # 30 at 13,899' on jt #453, Stick-up 25 ft, Up weight 64k, down weight 48k, neutral 56k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4400 psi, 3.1 bbl out @ 3500 psi on 19/64" choke. 17 minutes to drill plug. Pumped 53 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
11:09	12:09	@ 11:11 - Tagged plug # 29 at 14,113' on jt #460, Stick-up 27 ft, Up weight 64k, down weight 48k, neutral 56k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4300 psi, 3.1 bbl out @ 3500 psi on 19/64" choke. 37 minutes to drill plug. Pumped 88 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
12:09	12:54	@ 12:15 - Tagged plug # 28 at 14,273' on jt #465, Stick-up 20 ft, Up weight 64k, down weight 48k, neutral 56k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4000 psi, 3 bbl out @ 3500 psi on 19/64" choke. 20 minutes to drill plug. Pumped 50 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
12:54	13:54	@ 1305 - Tagged plug # 27 at 14,478' on jt #472, Stick-up 30 ft, Up weight 60k, down weight 48k, neutral 54k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4500 psi, 3.1 bbl out @ 3500 psi on 19/64" choke. 30 minutes to drill plug. Pumped 79 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
13:54	14:54	Circulate Bottoms Up @ 296 bbls
14:54	15:54	@ 1528 - Tagged plug # 26 at 14,653' on jt #477, Stick-up 8 ft, Up weight 60k, down weight 48k, neutral 52k. 1800 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4700 psi, 3 bbl out @ 3500 psi on 19/64" choke. 20 minutes to drill plug. Pumped 42 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
15:54	16:48	@ 1619 - Tagged plug # 25 at 14,930' on jt #486, Stick-up 8 ft, Up weight 60k, down weight 48k, neutral 52k. 1800 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4800 psi, 3.1 bbl out @ 3500 psi on 19/64" choke. 18 minutes to drill plug. Pumped 44 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
16:48	17:48	@ 1637 - Tagged plug # 24 at 15,139' on jt #493, Stick-up 15 ft, Up weight 58k, down weight 46k, neutral 52k. 1600 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 3500 psi, 3.1 bbl out @ 3500 psi on 17/64" choke. 59 minutes to drill plug. Pumped 44 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
17:48	18:48	@ 1807 - Tagged plug # 23 at 15,252' on jt #497, Stick-up 25 ft, Up weight 58k, down weight 46k, neutral 52k. 1800 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 3500 psi, 3.0 bbl out @ 3500 psi on 17/64" choke. 26 minutes to drill plug. Pumped 42 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
18:48	19:54	Circulated 150 bbls when the Weatherford pump lost prime.
19:54	20:24	Weatherford circulated pump and regained prime.
20:24	21:30	Resume circulating 160 bbls of 310 bbls total.
21:30	21:45	Trip pipe to joint #504.
21:45	22:15	@ 2144 - Tagged plug # 22 at 15,434' on jt #504, Stick-up 29 ft, Up weight 59k, down weight 48k, neutral 54k. 1800 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4500 psi, 3.3 bbl out @ 3400 psi on 17/64" choke. 30 minutes to drill plug. Pumped 64 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
22:15	23:00	Trip pipe to joint #504.

Sundry Number: 50135 API Well Number: 43013521070000

Start Time	End Time	Comment
23:00	23:30	@ 2306 - Tagged plug # 21 at 15,740' on jt #513, Stick-up 29 ft, Up weight 58k, down weight 48k, neutral 54k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4600 psi, 3.1 bbl out @ 3400 psi on 19/64" choke. 31 minutes to drill plug. Pumped 71 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.

Report Start Date	Report End Date	24hr Activity Summary
3/25/2014	3/26/2014	Milled plugs #20 to #4 and circulate hole.

Start Time	End Time	Comment
00:00	00:30	RIH workstring to joint #517
00:30	01:00	@ 0031 - Tagged plug # 20 at 15,863' on jt #517, Stick-up 29 ft, Up weight 60k, down weight 50k, neutral 54k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4800 psi, 2.9 bbl out @ 3400 psi on 20/64" choke. 29 minutes to drill plug. Pumped 66 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
01:00	01:30	RIH to joint #523
01:30	02:00	@ 0136 - Tagged plug # 19 at 16,048' on jt #523, Stick-up 29 ft, Up weight 60k, down weight 50k, neutral 54k. 1800 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4200 psi, 3.0 bbl out @ 3300 psi on 18/64" choke. 19 minutes to drill plug. Pumped 52 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
02:00	04:30	Circulate hole for 330 bbls.
04:30	05:00	RIH to joint #529
05:00	05:30	@ 0454 - Tagged plug # 18 at 16,241' on jt #529, Stick-up 20 ft, Up weight 60k, down weight 50k, neutral 54k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4800 psi, 2.5 bbl out @ 3400 psi on 19/64" choke. 28 minutes to drill plug. Pumped 52 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
05:30	05:55	RIh to joint # 543
05:55	06:25	@ 0555 - Tagged plug # 17 at 16,488' on jt #537, Stick-up 20 ft, Up weight 60k, down weight 50k, neutral 54k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.6 bbl in @ 4900 psi, 3 bbl out @ 3400 psi on 19/64" choke. 30 minutes to drill plug. Pumped 59 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
06:25	06:50	RIH to joint # 542
06:50	07:20	@ 0650 - Tagged plug # 16 at 16,637' on jt #542, Stick-up 20 ft, Up weight 60k, down weight 45k, neutral 50k. 1600 free torque, 2700 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4200 psi, 3 bbl out @ 3400 psi on 19/64" choke. 28 minutes to drill plug. Pumped 61 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
07:20	09:14	Circulating Bottoms Up becauise snubbing crew had a Pin break on the Slips., Circulated 340bbls for bottoms up.
09:14	09:20	RIH to joint # 547

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
09:20	09:50	@ 09:25 Tagged plug # 15 at 16810' on jt #547, Stick-up 2 ft, Up weight 62k, down weight 46k, neutral 52k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4800 psi, 3 bbl out @ 3400 psi on 19/64" choke. 20 minutes to drill plug. Pumped 43 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
09:50	10:11	RIH to joint 553
10:11	10:41	@ 10:12 - Tagged plug # 14 at 16,995' on jt #553, Stick-up 2 ft, Up weight 62k, down weight 48k, neutral 54k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4600 psi, 3 bbl out @ 3400 psi on 19/64" choke. 37 minutes to drill plug. Pumped 74 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
10:41	11:11	RIH to joint 560
11:11	11:41	@ 11:15 Tagged plug # 13 at 17,211' on jt #560, Stick-up 1 ft, Up weight 62k, down weight 48k, neutral 54k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4800 psi, 3 bbl out @ 3400 psi on 19/64" choke. 16 minutes to drill plug. Pumped 34 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
11:41	11:47	RIH to joint 564
11:47	12:17	@ 11:48 Tagged plug # 12 at 17,305' on jt #564, Stick-up 30 ft, Up weight 62k, down weight 48k, neutral 54k. 1700 free torque, 2500 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4400 psi, 3 bbl out @ 3400 psi on 19/64" choke. 19 minutes to drill plug. Pumped 53 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
12:17	13:53	Circulate bottoms up @ 354bbls
13:53	14:11	RIH to joint # 569
14:11	14:41	@ 14:20 Tagged plug # 11 at 17,483' on jt #569, Stick-up 5 ft, Up weight 58k, down weight 44k, neutral 50k. 1700 free torque, 2600 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4400 psi, 3 bbl out @ 3400 psi on 19/64" choke. 22 minutes to drill plug. Pumped 55 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
14:41	15:10	RIH to joint # 576
15:10	15:28	@ 1510 Tagged plug # 10 at 17,688' on jt #576, Stick-up 15 ft, Up weight 55k, down weight 45k, neutral 59k. 1700 free torque, 2600 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4800 psi, 3 bbl out @ 3400 psi on 19/64" choke. 17 minutes to drill plug. Pumped 34 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
15:28	15:40	RIH to joint # 583
15:40	16:10	@ 1545 Tagged plug # 9 at 17,904' on jt #583, Stick-up 15 ft, Up weight 56k, down weight 44k, neutral 58k. 1700 free torque, 2700 drill torque. WOB: 2-6 pts, RPM @ 120. 2 bbl in @ 4600 psi, 3 bbl out @ 3400 psi on 19/64" choke. 22 minutes to drill plug. Pumped 44 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
16:10	16:34	RIH to joint # 587
16:34	17:04	@ 1636 Tagged plug # 8 at 18,032' on jt #587, Stick-up 10 ft, Up weight 52k, down weight 42k, neutral 48k. 1700 free torque, 2800 drill torque. WOB: 2-6 pts, RPM @ 120. 2.3 bbl in @ 4700 psi, 3 bbl out @ 3400 psi on 19/64" choke. 31 minutes to drill plug. Pumped 54 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
17:04	17:28	RIH to joint # 592
17:28	17:40	@ 17:30 Tagged plug # 7 at 18,190' on jt #592, Stick-up 6 ft, Up weight 54k, down weight 42k, neutral 48k. 1800 free torque, 2800 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4400 psi, 3 bbl out @ 3400 psi on 19/64" choke. 20 minutes to drill plug. Pumped 42 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
17:40	20:40	Circulate hole for 367 bbls.
20:40	21:16	RIH to joint # 598.
21:16	21:25	@ 2117 Tagged plug # 6 at 18,360' on jt #598, Stick-up 20 ft, Up weight 60k, down weight 46k, neutral 50k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.5 bbl in @ 4700 psi, 3.5 bbl out @ 3300 psi on 19/64" choke. 10 minutes to drill plug. Pumped 24 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
21:25	21:55	RIH to joint # 603.
21:55	22:07	@ 2157 Tagged plug # 5 at 18,524' on jt #603, Stick-up 20 ft, Up weight 60k, down weight 46k, neutral 52k. 1700 free torque, 2400 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4500 psi, 3.0 bbl out @ 3300 psi on 18/64" choke. 20 minutes to drill plug. Pumped 42 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
22:07	22:49	RIH to joint # 609.
22:49	23:19	@ 2249 Tagged plug # 4 at 18,689' on jt #609, Stick-up 29 ft, Up weight 62k, down weight 44k, neutral 54k. 2000 free torque, 2900 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4700 psi, 3 bbl out @ 3400 psi on 19/64" choke. 31 minutes to drill plug. Pumped 80 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
23:19	00:00	RIH to next plug.

Report Start Date	Report End Date	24hr Activity Summary
3/26/2014	3/27/2014	Circulate hole at bottom, POOH to heel, circulate and stop for daylight to snub out of hole.

Start Time	End Time	Comment
00:00	00:30	@ 0021 Tagged plug # 3 at 18,939' on jt #617, Stick-up 25 ft, Up weight 62k, down weight 44k, neutral 52k. 2000 free torque, 2900 drill torque. WOB: 2-6 pts, RPM @ 120. 2.1 bbl in @ 4800 psi, 2.5 bbl out @ 3300 psi on 18/64" choke. 45 minutes to drill plug. Pumped 99 bbls water with .25 gal of Western\chemical to 1000 gals. Pumped 20 bbl gel sweep.
00:30	02:00	Rotate and circulate to joint 628 @ 19,282' EOT. Tag top of wireline BHA.
02:00	08:45	Circulting bottoms up total of 1000bbls to be pumped..

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
08:45	17:00	Shut well in WH @ 3500psi. Start POOH with work string.
17:00	18:00	@ 17:00 – POOH @ 10,018ft / Joint 326…... 301 joints OOH….. WH @ 3500psi. We are circulating bottoms up right here to clean the heel, Pump @ 4bbls @ 4600psi & Returns @ 4bbls @ 3200psi.. Circulate 205bbls including a 20gel sweep before continuing POOH.
18:00	21:00	Start POOH with work string. Currently 239 joints 7,349 EOT in the hole. SICP holding steady @ 3,500 psi.
21:00	01:00	195 joints in hole 5,997' EOT. Wait for daylight to snub remainder joints before 2 7/8" EUE production string.

Report Start Date	Report End Date	24hr Activity Summary
3/27/2014	3/28/2014	Snub 6,000' workstring in daylight OOH. Change and pressure test pipe rams. Start tripping production BHA with 2 7/8" L-80 to hang off depth.

Start Time	End Time	Comment
00:00	07:00	195 joints in hole 5,997' EOT. Wait for daylight to snub remainder joints before 2 7/8" EUE production string.
07:00	12:30	@ 0700 - 195 joints in hole 5,997' EOT. We have started POOH with workstring. @ 10:00am - 50 joints left in hole 1,500' EOT. Continue snubbing pipe out. Once out of hole we will change over Snubbing 5K BOPs to 2 7/8" and also our Weatherford 10k BOPs to 2 7/8" & test everything as per NFX Policy before RIH with 2 7/8" 6.5# L80 EUE production tubing to 9150ft.
12:30	15:30	OOH with workstring and now we are going to swap out BOPs from 2 3/8" to 2 7/8" and test as per NFX Policy.
15:30	19:30	Pressure test Weatherford 7 1/16" 10K B.O.P stack with ram block change and also test snubbing unit with changed rams.
19:30	20:30	Tool String; 1)Notched Collar 2 7/8"OD x .40' 2)XN nipple 2 7/8"OD x (2.205"ID- No-go) x 1.27' 3)Perforated Sub 2 7/8"OD w/(18 holes x .50") x 4.20' 4)10K Ceramic disk 2 7/8" x .78' 5)2 7/8" 6.5# L80 Pup 2 7/8"OD x 6.21' 6)X Nipple 2 7/8"OD (2.347" drift) x .95' 7)2 7/8" 6.5# L80 joint 2 7/8"OD x 32.52' 8)X Nipple 2 7/8"OD (2.347" drift) x .96' Total length of Tool String Plus Joint of Tubing = 47.29' Long 2 7/8" L-80 EUE production string to surface.
20:30	00:00	While snubbing in hole the one of the jack legs was not getting full hydraulic pressure. Layed down a joint and started trying to back off the nut on the leg. Pulled jack leg from top and the set screw was sheared off so another leg will be hot shot to location. Seven joints in the hole and well is secured for the night.

Report Start Date	Report End Date	24hr Activity Summary
3/28/2014	3/29/2014	Run and land production tubing to 9,161.' RD work over and snubbing unit with BOP stack.

Start Time	End Time	Comment
00:00	08:30	While snubbing in hole the one of the jack legs was not getting full hydraulic pressure. Layed down a joint and started trying to back off the nut on the leg. Pulled jack leg from top and the set screw was sheared off so another leg will be hot shot to location. Seven joints in the hole and well is secured for the night.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
08:30	09:30	Mountain States has fixed the SNubbing Jack and we are RIH with the Prodcution Tubing 2 7/8"
09:30	10:30	We started running pipe in the hole and got joint 20 and the Snubber got the slips cock locked. Had to get slips unlock that took about 50 mins to get it them unlocked. Then started RIH again.
10:30	19:30	@ 10:30 We filled the tubing @ joint 30 / 979ft. Pumped 5bbls @ 11:00 We were on joint 40 / 1297ft @ 15:00 We are on joint 140 / 4520 ft. We are filling the tubing every 30 joints with 5bbls. We are using a Pump-in Tee so not to pressure up on the tubing at all. WH @ 3500psi @ 17:30 We are on joint 205 / 6614 ft. We are filling the tubing every 30 joints with 5bbls. We are using a Pump-in Tee so not to pressure up on the tubing at all. WH @ 3500psi
19:30	20:30	Production tubing ran to 9,161' EOT or 284 joints in hole. Cameron International landed extended neck hanger in spool.
20:30	00:00	Preferred Hot Oil could not get prime with the c-pump, another truck had to come from in town to perform a bowl wash. When the second truck arrived it loaded heated 180 degree freshwater, started pumping and lost a seal on the pumpside causing another shut down. The third Preferred truck was brought onto location from town and was able to bowl wash.

Report Start Date	Report End Date	24hr Activity Summary
3/29/2014	3/30/2014	

Start Time	End Time	Comment
00:00	00:30	Continue waiting on Preferred Hot Oil to have the third truck arivve to bowl wash.
00:30	01:30	Bowl wash hanger spool with 180 degree freshwater.
01:30	03:00	Equalize and land Cameron extended neck hanger in spool. Test hanger 250 psi low test and 10,000 psi high.
03:00	03:30	RDMO Mountain States snubbing unit,
03:30	05:00	Rig down Weatherford 7 1/16" 10K stack. Load onto Western Well hot service for yard.
05:00	06:00	NU Cameron wellhead. Test Production Tree
06:00	07:30	Mountain States is rigging down and getting out the way before we bust disc.
07:30	11:30	Mountain States is rigging down and moving equipment off location. We rigged up Weatherford pump to Production Tree and tested line to 7000psi (Good Test). Started walking pressure up at 1bbl/min @ 4.5bbls into it, pressure walked up to 3900psi and disc broke. Pressure broke back to 3500psi and we started pumping 2 tubing volumes (110bbls) @ 4bbl/min at 3600psi.

Sundry Number: 50135 API Well Number: 43013521070000

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
11:30	20:30	Preffered Hot Oil Service on location to heat Peraffin in flowback tanks. PROs is on lolcation rigging down their Flowback Iron. @ 1200 Production Turned Well on the Production Facility. Tubing Pressure @ 3440psi Casing Pressure @ 3450psi
20:30	00:00	SDFN

Sundry Number: 50135 API Well Number: 43013521070000

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: Jorgensen 2-4-9-3-2WH

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521070000

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:
0231 FNL 1360 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 04 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 2/21/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 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)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE		**DATE**
N/A		1/21/2016

RECEIVED: Jan. 21, 2016

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
11/29/2013	11/30/2013	Set 60' of 20" conductor pipe.

Start Time	End Time	Comment
00:00	00:00	Pete Martin Rig #16 spudded 26" hole on 11/29/2013 and drilled to 60' GL. Hole started falling in with cobble rocks from surface. Filled hole with 12.0 PPG fresh water mud to enable drilling. Set 20", 52.78# (0.250" wall), SA53B conductor pipe at 60' GL and cemented to surface with Pro Petro Cementers on 11/29/2013. Cement Job: Pumped 15 bbls fresh water flush ahead of cement. Mixed and pumped 450 sacks (92 bbls) of Premium Class G Cement with 2% CaCl2, and 1/4 lb/sk flocele. Mixed cement @ 15.8 ppg with yield of 1.15 cf/sk. Displaced cement with 18 bbls fresh water. Finished pumping @ 19:30 PM on 11/29/2013. 18 bbls cement to surface. Shut in well after pumping stopped. Hole stood full after pumping stopped. Kylan Cook notified UDOGM and BLM by e-mail @ 14:00 PM on 11/27/2013 to spud conductor hole on 11/29/2013.

Report Start Date	Report End Date	24hr Activity Summary
12/1/2013	12/2/2013	MIRU Pro Petro Rig #10. Start picking up BHA.

Start Time	End Time	Comment
00:00	23:30	MIRU Pro Petro Rig #10.
23:30	00:00	Start picking up BHA.

Report Start Date	Report End Date	24hr Activity Summary
12/2/2013	12/3/2013	Start picking up BHA. Trip in hole to 60' GL. Spud 17 1/2" hole. Drill from 60' GL to 510' GL. Change rubber in rotating head. Big water flow @ 510' GL. (About 1,500 bbls per hour.) Drill from 510' GL to 690' GL while waiting for kill mud from Halliburton.

Start Time	End Time	Comment
00:00	01:00	Start picking up BHA. Trip in hole to 60' GL.
01:00	06:00	Spud 17 1/2" hole @ 01:00 AM on 12/02/2013. Drill from 60' GL to 320' GL.
06:00	06:30	Circulate for survey. Take Single Shot survey @ 260' GL = 0.75 Degree.
06:30	10:00	Drill from 320' GL to 510' GL.
10:00	11:00	Change rubber size in rotating head.
11:00	12:00	Hit big water flow @ 510' GL. Flowing about 1,500 bbls per hour. Called Halliburton to mix 500 bbls of 16.0 PPG fresh water kill mud. Will attempt to drill ahead while waiting for mud from Halliburton. Hauling water flow to disposal. Drill from 510' GL to 555' GL.
12:00	12:30	Circulate for survey. Take Single Shot survey @ 510' GL = 0.75 Degree.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
12:30	00:00	Attempt to drill ahead while waiting for mud from Halliburton. Only able to drill intermittently. Had to keep shutting down to manage water flow. Was able to get enough extra transfer pumps on location, and running to continue drilling with out shutting down about 22:30 PM. Using 6 transfer pumps to keep up. Drill from 555' GL to 690' GL. About 5 hours of actual drilling time.

Report Start Date	Report End Date	24hr Activity Summary
12/3/2013	12/4/2013	Drill from 690' GL to 990' GL. Pump 16.0 PPG fresh water kill mud. Drill from 990' GL to 1010' GL. Water flow unloaded mud from hole. Flowing again. Shut down. Order materials to mud up rig pits. Order 400 BBLS 16.0 PPG fresh water mud from Halliburton. Mix mud in rig pits.

Start Time	End Time	Comment
00:00	03:30	Drill from 690' GL to 840' GL.
03:30	04:00	Circulate for survey. Take Single Shot survey @ 780' GL = 1.25 Degrees.
04:00	08:00	Drill from 840' GL to 990' GL.
08:00	10:30	Pump 500 BBLS of 16.0 PPG fresh water mud. 12.3 PPG mud returns back after pumping. Water flow stopped for about 30 minuets then started trying to flow again. Put rig on hourly at 08:00 AM on 12/03/2013.
10:30	11:30	Drill from 990' GL to 1010' GL. Water flow unloaded mud from hole. Flowing again.
11:30	13:30	Shut down. Isolate rig pits from water flow. Hauling water flow to disposal. Order materials to mud up rig pits. Order 400 BBLS 16.0 PPG fresh water mud from Halliburton.
13:30	00:00	Mix mud in rig pits. 15.1 PPG mud in rig pits at 00:00 AM. 400 BBLS 16.0 PPG mud from Halliburton on location at 22:00 PM.

Report Start Date	Report End Date	24hr Activity Summary
12/4/2013	12/5/2013	Finish mixing mud in rig pits. Pump kill mud. Circulate and condition mud. Drill from 1010' GL to 1090' GL. Mud properties not maintained do to hopper failure. Hopper going again at 18:00 PM. Mud weight dropped to 14.5 PPG. Mud weight continued dropping to 13.3 PPG while mixing gel and bar. Shut down. Isolate rig pits from water flow.

Start Time	End Time	Comment
00:00	02:30	Finish mixing mud in rig pits.
02:30	03:30	Pump 16.0 PPG fresh water kill mud. Water flow stopped with 14.5 PPG mud returns to surface.
03:30	11:00	Almost out of mud in active system. Able to circulate at 7 BPM with out sucking air on suction side of mud pump. Circulate at 7 BPM while waiting for more 16.0 PPG mud from Halliburton.
11:00	12:30	Fill rig pits with 16.0 PPG mud from Halliburton.
12:30	23:30	Drill from 1010' GL to 1090' GL. Mud properties not maintained do to hopper failure. Hopper going again at 18:00 PM. Mud weight dropped to 14.5 PPG. Mud weight continued dropping to 13.3 PPG while mixing gel and bar.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
23:30	00:00	Shut down. Isolate rig pits from water flow. Hauling water flow to disposal. Order more materials to mud up rig pits. Order 400 BBLS 16.0 PPG fresh water mud from Halliburton.

Report Start Date	Report End Date	24hr Activity Summary
12/5/2013	12/6/2013	Weight up mud in rig pits. Thaw out rig and mud pump lines. Pump kill mud. 16.0 PPG mud returns to surface. Flow check. Well is static. Circulate. Drill from 1090' GL to 1100' GL.

Start Time	End Time	Comment
00:00	13:00	Weight up mud in rig pits. 450 BBLS 16.0 PPG mud from Halliburton on location. Thaw out rig and mud pump lines.
13:00	20:00	Thaw the following: Air lines to pump clutches. Vibrating lines from mud pumps to rig. Hard line going into rig. Flow line going into shakers. Work on rod washers on pumps. Change out shaker screens.
20:00	21:00	Spot mud trucks. Prepare to pump 16.0 PPG fresh water kill mud.
21:00	22:00	Pump 16.0 PPG fresh water kill mud. 16.0 PPG mud returns to surface. Flow check. Well is static.
22:00	23:00	Circulate and condition mud. Flow check. Well is static.
23:00	00:00	Drill from 1090' GL to 1100' GL.

Report Start Date	Report End Date	24hr Activity Summary
12/6/2013	12/7/2013	Drill from 1100' GL to 1130' GL. Work on mud pumps. Received orders from BLM to pump cement plug across water flow zone. Circulate. Start tripping out of hole to pump cement plug. Wait for more 16.0 PPG fresh water mud. Try to continue tripping out of hole. Rig has hydraulic leak. Trouble shoot where leak is coming from. Wait for more hydraulic oil.

Start Time	End Time	Comment
00:00	01:30	Drill from 1100' GL to 1110' GL.
01:30	02:30	Circulate for survey. Take Single Shot survey @ 1050' GL = 0.75 Degree.
02:30	08:00	Drill from 1110' GL to 1130' GL.
08:00	15:00	Work on mud pumps. Change swabs. Clean out rod washer box. Unclog rod washer lines.
15:00	17:00	While working on mud pumps, received orders from BLM to pump cement plug across water flow zone. Circulate to trip out of hole and pump cement plug. Rig up to trip out of hole while circulating.
17:00	19:30	Trip out of hole from 1130' GL to 470' GL. Had to wash and ream out to 530' GL.
19:30	22:00	Ran out of mud in active system. Shut down and wait for more 16.0 PPG fresh water mud from Halliburton to ensure being able to keep back side full of mud while tripping out of hole. Well is standing full with 16.1 PPG mud at surface.
22:00	22:30	Fill rig pits with 16.0 PPG fresh water mud from Halliburton.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
22:30	00:00	Try to continue tripping out of hole. Rig has hydraulic leak. Trouble shoot where leak is coming from. Wait for more hydraulic oil.

Report Start Date	Report End Date	24hr Activity Summary
12/7/2013	12/8/2013	Fix hydraulic leak on rig. Finish tripping out of hole. Trip in hole with drill pipe and pump cement plug. Trip drill pipe out of hole. Wait on cement. Well started flowing back. Prepare to trip back in hole and pump kill mud again.

Start Time	End Time	Comment
00:00	04:00	Fix hydraulic leak on rig.
04:00	13:30	Finish tripping out of hole from 470' GL. No tight hole. Extended trip time due to cold weather.
13:30	14:30	Rig up to trip in hole with yellow band drill pipe.
14:30	15:00	Trip in hole to 660' GL with yellow band drill pipe.
15:00	16:00	Rig up Pro Petro Cementers. Cement Job: Pumped 15 bbls fresh water flush ahead of cement. Mixed and pumped 675 sacks (127 bbls) of Premium Class G Cement with 2% CaCl2, and 1/4 lb/sk flocele. Mixed cement @ 16.4 ppg with yield of 1.06 cf/sk. Displaced cement with 3 bbls fresh water.
16:00	16:30	Trip drill pipe back out of hole. Leave last joint of drill pipe stabbed in rotating head rubber.
16:30	18:00	Wait for cement before tripping back in hole to tag plug. Keeping hole full of 16.0 ppg mud. At 17:30 PM mud started flowing back to pits. Shut in flow line. At 18:00 PM water started coming out of the ground on the back edge of location. No water left location. Opened flow line back up to prevent washing out conductor pipe.
18:00	18:30	Isolate rig pits from water flow. Hauling water flow to disposal. Order more 16.0 ppg fresh water mud from Halliburton.
18:30	00:00	Prepare rig pits and pumps to trip back in hole and pump more kill mud. Pumps and lines froze up. Jesse Tatman received verbal permission from Robin Hansen with BLM to trip back in hole, pump kill mud, and finish drilling to TD with 16.0 ppg mud in the hole. Then run casing and cement.

Report Start Date	Report End Date	24hr Activity Summary
12/8/2013	12/9/2013	Thaw out rig, pumps, and lines.

Start Time	End Time	Comment
00:00	00:00	Pumps, lines, and rig froze up. Thaw out.

Report Start Date	Report End Date	24hr Activity Summary
12/9/2013	12/10/2013	Thaw out rig, pumps, and lines. Trip in hole with BHA. Tag cement at 430' GL. Drill cement from 430' GL to 500' GL. Drain water from pits and fill with 16.0 ppg mud. Pump kill mud. Well is static with 16.0 ppg mud returns to surface. Circulate and condition mud. Pre treat mud for drilling out the rest of cement plug.

Start Time	End Time	Comment
00:00	11:00	Thaw out rig, pumps, and lines.
11:00	16:00	Picking up BHA. Trip in hole to 430' GL. Tag top of cement at 430' GL.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
16:00	18:00	Drill cement from 430' GL to 500' GL.
18:00	19:00	Circulate.
19:00	22:00	Drain water from pits and fill with 16.0 ppg mud. Prepare to pump kill mud.
22:00	23:00	Pump 16.0 ppg fresh water kill mud. 16.0 ppg mud returns to surface. Flow check. Well is static.
23:00	00:00	Circulate and condition mud. Pre treat mud in preparation for drilling out the rest of cement plug.

Report Start Date	Report End Date	24hr Activity Summary
12/10/2013	12/11/2013	Clean mud and ice build up out from under shakers. Drill cement plug from 530' GL to 580' GL. Lost gear end in mud pump. Working on a replacement pump in Vernal yard to send out.

Start Time	End Time	Comment
00:00	08:00	Clean mud and ice build up out from under shakers.
08:00	11:00	Drill cement plug from 500' GL to 570' GL.
11:00	14:00	Circulate and condition mud. Treat mud for cement contamination.
14:00	14:30	Drill cement plug from 570' GL to 580' GL.
14:30	00:00	Lost gear end in mud pump. Pro Petro working on a replacement pump in Vernal yard to send out.

Report Start Date	Report End Date	24hr Activity Summary
12/11/2013	12/12/2013	MIRU replacement mud pump. Drill cement plug from 580' GL to 680' GL. Trip in hole from 680' GL to 710' GL. Circulate and condition mud for cement contamination and to maintain weight at 16.0 ppg while drilling cement and tripping.

Start Time	End Time	Comment
00:00	15:00	MIRU spare pump from Pro Petro Vernal Yard. Install 6 1/2" liners in mud pump #1.
15:00	22:00	Drill cement plug from 580' GL to 680' GL. Circulate and condition mud for cement contamination while drilling.
22:00	00:00	Trip in hole from 680' GL to 710' GL. Circulate and condition mud for cement contamination while tripping. Also adding bar as needed to maintain 16.0 ppg mud.

Report Start Date	Report End Date	24hr Activity Summary
12/12/2013	12/13/2013	Trip in hole from 710' GL to 920' GL. Change swabs in mud pump. Trip in hole from 920' GL to 1130' GL. Drill from 1130' GL to TD @ 1145' GL. Circulate. Change swab in mud pump. Circulate. Trip out of hole from 1145' GL to 560' GL. Replace break out wrench on rig. Work on mud pump.

Start Time	End Time	Comment
00:00	06:00	Trip in hole from 710' GL to 920' GL. Circulate and condition mud while tripping.
06:00	09:30	Change swabs in mud pump. Clean out rod washers.
09:30	12:30	Trip in hole from 920' GL to 1130' GL. Circulate and condition mud while tripping.
12:30	14:00	Drill from 1130' GL to TD @ 1145' GL. TD 17 1/2" hole @ 14:00 PM on 12/12/2013.
14:00	15:00	Circulate to trip out of hole and run surface casing.
15:00	16:30	Change swab in mud pump. Clean out rod washers.
16:30	17:00	Circulate to trip out of hole and run surface casing.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
17:00	21:00	Trip out of hole from 1145' GL to 560' GL. Had to start treating mud for cement contamination at 620' GL.
21:00	00:00	Replace break out wrench on rig. Work on mud pump: swabs, valves, and rod washers.

Report Start Date	Report End Date	24hr Activity Summary
12/13/2013	12/14/2013	Work on mud pump. Finish tripping out of hole. Well started flowing again while laying down mud motor. Order more 16.0 ppg fresh water mud from Halliburton. Bring mud weight in rig pits back up to 16.0 ppg. Rig up to run casing. Run casing to 678' GL. Wait for Halliburton to finish building 16.0 ppg fresh water mud. Prepare to pump kill mud.

Start Time	End Time	Comment
00:00	02:30	Work on mud pump: swabs, valves, and rod washers.
02:30	06:30	Trip out from 560' GL to 470' GL. Work tight hole from 530' GL to 470' GL. Losing partial returns when pulling tight. Circulate and work pipe. Had to bring out 200 bbls of 16.0 ppg mud from Halliburton.
06:30	12:30	Finish tripping out of hole. Laying down BHA.
12:30	19:00	While laying down mud motor well started flowing again unloading 16.0 ppg mud from hole. Isolate rig pits from water flow. Hauling water flow to disposal. Order more 16.0 ppg fresh water mud from Halliburton. Bring mud weight in rig pits back up to 16.0 ppg. Rig up to run casing.
19:00	22:30	Run 16 joints (678.97') of 13 3/8", 54.5#, J-55, BT&C casing with Top-Co guide shoe and float collar.
22:30	00:00	Wait for Halliburton to finish building 16.0 ppg fresh water mud. Prepare to pump kill mud.

Report Start Date	Report End Date	24hr Activity Summary
12/14/2013	12/15/2013	Wait for mud coming from Halliburton. Pump kill mud. Make up and run Weatherford ACP. Become stuck while trying to run next joint of casing. Casing shoe is approximately 730' GL. Circulate and work casing. Repair rig, replace hydraulic hoses. Also going through mud pumps.

Start Time	End Time	Comment
00:00	06:00	Wait for 16.0 ppg fresh water kill mud coming from Halliburton.
06:00	08:00	Pump 16.0 ppg fresh water kill mud. 15.7 ppg mud returns to surface. Flow check. Well is static.
08:00	09:30	Circulate and condition mud. Bring mud weight up to 16.0 ppg in active system.
09:30	12:30	Pick up and run Weatherford ACP with casing pup joint. Had to circulate and wash last 5' of pup joint down.
12:30	13:30	Pick up next joint of casing and continue circulating and washing down. Working casing up and down while circulating. Casing moving free up and back down to the last point previously washed to. Washed about 25' down and became stuck. Circulating with about 100 psi but unable to move casing. Casing shoe is approximately 730' GL.
13:30	18:00	Circulate adjusting rate from 6 bpm up to 12 bpm and pressure 100 psi to 150 psi. Pulling up to 120k and pushing down up to 30k. No pressure change while pulling up or pushing down. Make plans with water trucks to be able to haul water flow to disposal. Prepare to roll hole back to water in an attempt to get casing free.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
18:00	00:00	Lost 2 hydraulic hoses on rig. Repair rig, replace hydraulic hoses. Also giong thrugh mud pumps.

Report Start Date	Report End Date	24hr Activity Summary
12/15/2013	12/16/2013	Rig and mud pump repair. Circulate hole back to water in an attempt to get casing free. Circulate and work casing. Unable to pull free. Pump 16.0 ppg fresh water kill mud. Flow check. Well is static.

Start Time	End Time	Comment
00:00	15:30	Lost 2 hydraulic hoses on rig. Repair rig, replace hydraulic hoses. Also giong thrugh mud pumps.
15:30	16:30	Transfer 16.0 ppg mud out of rig pits. Prepare to roll hole back to water.
16:30	17:30	Circulate hole back to water in an attempt to get casing free. Work casing up and down while circulating mud out of hole.
17:30	19:30	Circulate and work casing adjusting rate from 6 bpm up to 12 bpm. Pump pressure 100 psi. Pulling up to 120k and pushing down up to 30k. No pressure change while pulling up or pushing down.
19:30	20:00	Sean Stevens received verbal approval from Dustin Doucet with UDOGM and Robin Hansen with BLM to cement surface casing. Casing Summary: Ran 18 joints (726.78') of 13 3/8", 54.5#, J-55, BT&C casing with Top-Co guide shoe and float collar and Weatherford ACP. 7 centralizers spaced 10' from the shoe, on top of joints #2 & #3 then every 3rd collar to surface. Landed @ 726.78' GL. Float Collar @ 680.60' GL. Packer Element is 28' GL to 38' GL.
20:00	22:30	Continue to circulate and work casing. Unable to pull free.
22:30	00:00	Pump 16.0 ppg fresh water kill mud. 16.0 ppg mud returns to surface. Flow check. Well is static.

Report Start Date	Report End Date	24hr Activity Summary
12/16/2013	12/17/2013	Circulate. Cut off casing and weld new collar to enable rigging up cement head at ground level. Weld top cap from casing to conductor pipe. MIRU Halliburton Cementers. Cement surface casing. Wait on cement, clean pits, and rig down.

Start Time	End Time	Comment
00:00	01:30	Circulate hole with 16.0 ppg fresh water mud.
01:30	05:30	Cut off casing and weld new collar to enable rigging up cement head at ground level. Weld top cap from casing to conductor pipe. Prepare to pump surface casing cement.
05:30	09:00	MIRU Halliburton cementers. Circulate casing with rig pump.
09:00	11:00	Cement Job: Pumped 20 bbls 16.1 ppg Tuned Spacer flush ahead of cement. Mixed and pumped 1131 sacks (288 bbls) of HalCem with 8.5% Cal-Seal, 20% Barite, 0.5% D-Air, and 0.3% Versaset. Mixed cement @ 16.2 ppg with yield of 1.43 cf/sk. Pumped cement until good cement came to surface. Cement returns = 16.3 ppg. Displaced cement with 105 bbls fresh water. Bumped plug with 850# @ 11:07 AM on 12/16/2013. Floats held. 118 bbls cement to surface. Well is static after pumping stopped. Shut in well after pumping stopped. Kylan Cook notified UDOGM and BLM of the surface casing & cement job via e-mail on 12/12/2013 @ 12:44 AM. Stoney Anderton with the BLM was on location for the cement job.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
11:00	00:00	Wait on cement, clean pits, and rig down.

Report Start Date	Report End Date	24hr Activity Summary
12/17/2013	12/18/2013	Wait on cement and rig down. Run Gyro Survey. Open 4" valves on conductor and check for water flow. No flow. Cut top cap off and check for cement. Release Rig.

Start Time	End Time	Comment
00:00	11:00	Wait on cement. Rig down. Run Gyro Survey.
11:00	12:30	Open 4" valves on conductor and check for water flow. No flow. Cut top cap off and check for cement. Cement to surface. Glade Rich with BLM was on location to cut top cap off and check for cement. Release rig @ 12:30 PM on 12/17/2013.

Report Start Date	Report End Date	24hr Activity Summary
12/23/2013	12/24/2013	Finish preparation of location for drilling rig.

Start Time	End Time	Comment
00:00	00:00	12/17/2013 - Run Gyro. 12/19/2013 - Drill Mouse Hole. 12/21/2013 - Final blade location. 12/23/2013 - Weld on Wellhead. 12/23/2013 - Cement cellar floor up to the top of base plate on wellhead. GYRO SURVEY DEPTHS ARE GROUND LEVEL. Location is ready for drilling rig.

Report Start Date	Report End Date	24hr Activity Summary
12/26/2013	12/27/2013	Rig Down Rig by hand, Stage & Haul equipment to Location. LRI=108 days

Start Time	End Time	Comment
00:00	18:00	Rig down and stage mud pumps, cat walk, electrical, steam, air lines, shaker skid, premix, gas buster, bar hopers, accumulator house, BOP wrangler, all pits, and front windwalls. Scope derrick in. Bleed ram cylinders in prep for lowering derrick and sub. Squat sub at 4:20pm. Lay over derrick at 5:15pm JD Field Serivce trucks on location(Aubrey): 3 bed trucks, 2 pole trucks, 1 tandum, and 1 crane. JD Field service trucks on Jorgensen 2-4-9-3-2WH: 1 crane and 1 pole truck. Release trucks at 05:30pm
18:00	00:00	Rig down VFD house, festoon, generators, vaccum, gaurd rails, and lights.

Report Start Date	Report End Date	24hr Activity Summary
12/27/2013	12/28/2013	Rig Down Rig by hand, Stage & Haul equipment to Close. Haul and set pits, shakers, choke house, and mud pump on Jorgensen. LRI=109 days

Start Time	End Time	Comment
00:00	07:00	Rig down back yard.
07:00	07:30	Held PJSM with Pioneer, EM, NFX reps, JD field services. J&C crane services.
07:30	17:30	Move and stage pits, shaker skid, generators, VFD, festoon, HPU, fuel tank, and miscellaneous loads(mats, stairs. and heaters). In total 19 loads left location. Lift derrick off floor and set on racks with 2 cranes. Begin breaking apart derrick and sub. Begin spotting mats, pits, shakers, choke house, and one pump on Jorgensen 2-4-9-3-2. Trucks are as follows: 7 haul, 4 bed trucks, 2 pole trucks, 4 swampers, and 2 forklifts, 2 truck pushers, 2 240-ton cranes.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
17:30	00:00	Wait on day light. Rig down flare lines. Pick up trash and excess materials around the Aubrey. Prep for moving and setting loads on the Jorgensen.

Report Start Date	Report End Date	24hr Activity Summary
12/28/2013	12/29/2013	Set equipment on Jorgensen. Stage loads on the Close. Camps, drill pipe, center of the derrick, fuel tank, and two misc loads left on Aubrey. LRI=110 days

Start Time	End Time	Comment
00:00	06:30	Break down flare lines and panic lines. Prep Jorgensen for setting loads in.
06:30	07:00	PJSM about plan forward and activites for the day with Pioneer, NFX reps, JD field services, J&C crane.
07:00	17:30	Break derrick apart on Aubrey. Haul center still, draw works, both side of sub, and A-legs to Jorgensen. All pits, choke house, shaker skid, mud pumps, festoon, generators, mats for sub, firehouse, and substructure set on the Jorgensen 2-4-9-3-2WH. Replaced hydraulic ram and hooked HPU up to circulate hydraulic oil through during the night. Crown, fuel tank, peak shack, premix, 2 vertical tanks, peak 4-sided tank, accumulator, day tank, BOP, BOP wrangler, wind walls, and boiler staged. Safety refocus meeting was held at 03:30pm on the Jorgensen. Equipment is as follows: 2 bed trucks, 2 pole, 5 haul, 2 cranes, 2 forklifts.
17:30	00:00	Rig up set equipment on the Jorgensen.

Report Start Date	Report End Date	24hr Activity Summary
12/29/2013	12/30/2013	Set equipment on Jorgensen. Stage loads on the Close. Drill pipe, Flare lines, and a couple misc loads left on Aubrey. LRI=111 days

Start Time	End Time	Comment
00:00	06:30	Rig up on Jorgensen.
06:30	07:00	Hold PJSM with Pioneer, EM, NFX reps, JD field services, and J&C crane.
07:00	17:30	Move and set fuel tank, mats, peak equipment, camps, and all of derrick. Center of derrick was held out for 4 hours due to a truck break down. Stalled progression of moving rig. During that time all camps were moved to Jorgensen. Fixed problem with truck and piece derrick together on racks. Wind walls and all mats all staged. Equipment as follows: 2 bed, 7 haul, 1 gin, 2 forklifts, 2 cranes. 25 loads total hauled to Jorgensen. Held refocus meeting at 02:30pm.
17:30	00:00	Rig up on Jorgensen.

Report Start Date	Report End Date	24hr Activity Summary
12/30/2013	12/31/2013	Set equipment on Jorgensen. Stage loads on the Close. Drill pipe, Flare lines, and a couple misc loads left on Aubrey. LRI=112 days

Start Time	End Time	Comment
00:00	06:30	Rig up on Jorgensen. Fire up generators and prep derrick to raise onto floor.
06:30	07:00	Hold PJSM with Pioneer, EM, NFX reps, JD field services, J&C crane services. Go over SWA and critical lifts.
07:00	17:00	Lift derrick onto sub and pin. Attach board to derrick. Set boilers, day tank, bottom dog house, pioneer connex, vertical tanks in tank farm. Release one crane at 10am. Set wind walls on floor. Raise derrick @01:00pm. Pin on left side of derrick would not retract. Lost 4 hours trying to unpin. Succesfully unpinned at 05:20pm. Raised floor at 5:30pm. Released last crane at 04:30pm. JD equipment: 1 Bed, 2 forklifts, 5 haul trucks, 2 cranes(both released), 2 pushers, 7 swampers, 6 riggers. 20 total loads hauled to location.
17:00	00:00	Rig up and bring mud from the Aubrey to the Jorgensen. Prep floor to run logs.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
12/31/2013	1/1/2014	Finish moving all equipment and rigging up. Pick up BOPE and NU. LRI=113 days

Start Time	End Time	Comment
00:00	01:00	Rig up steam and air. Circulate both through rig. Continue rigging up. Transfering mud from Aubrey to Jorgensen.
01:00	04:30	Run HES Temperature log.
04:30	06:00	Prep derrick to scope out.
06:00	07:00	PJSM with Pioneer, EM, NFX reps, JD field services.
07:00	22:00	Haul misc loads, panic lines, flare lines, and drill pipe. Scope Derrick @ 8:30 rig up climbers, & derrick electrical, miscellaneous, wind walls, handrails, stairs, Set & rig up HPU, Rig up koomey. Welder finished w/ hopper @ 11:30, recieved 300 bbls 20% KCl water, all mud f/ old loc. on new loc. Set pipe tubs, water uprights, drill pipe, misc. rig equipment, set cat walk. Install flowline. Rig up mud lines from pits to sub, install bails&elevators, rig up tongs.Total loads hauled 12 Release Trucks @ 15:00. 5 haul trucks, 1 bed truck, 2 forklifts, 3 swampers & 2 truck pushers.
22:00	00:00	Accept rig at 10:00pm. HPJSM with eager beaver. NU BOPE. Raise BOP with wrangler. Install choke lines and tighten bolts on stack.

Report Start Date	Report End Date	24hr Activity Summary
1/1/2014	1/2/2014	Finish NU BOPE. Begin testing BOPE. LRI= 114 days

Start Time	End Time	Comment
00:00	04:30	Nipple up BOPE. Continue to install choke line to stack and choke house. Bolt flow line to stack. Rig up Accumulator lines. Install turn buckles on stack. Function test stack. Test good.
04:30	06:00	HPJSM with Eager Beaver on pressure testing BOPE. P/U pump in sub, test plug, 1 joint drill pipe. Fill testers truck & hole with water.
06:00	08:30	HPJSM W/ Eager Beaver, Attempt to set test plug in stack, test plug would not hold pressure, pulled test plug, steamed out stack & heat up testers water on test truck.
08:30	00:00	Make up test plug install same, test BOPE. Pressure test all floor valves, IBOP, HCR, choke manifold, upper, lower pipe rams and blind rams to 5,000psi high and 250psi low for 5 minutes. Pressure test annular preventer to 3,500psi high 250psi low. Pressure test 13 3/8" surface casing to 1500psi for 30mins. All tests good.

Report Start Date	Report End Date	24hr Activity Summary
1/2/2014	1/3/2014	Continue testing BOP install wear bushing,Begain replaceing hydraulic pump on topdrive. Pick up BHA, Drill 9 5/8 float equip, Perform FIT, Drill ahead.

Start Time	End Time	Comment
00:00	02:30	Test downstreams to 250low,5k high, run in test jt close lower pipe rams, test mud lines back to pumps 250 low, 5k high, held low for 5 min & high for 10 min.
02:30	03:00	Rig down Eager Beaver tester, Blow down choke lines, Pump methanol in choke to prevent freezing, Blow down mud lines.
03:00	03:30	Rig Service.
03:30	04:00	Install wear bushing.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
04:00	12:00	Replace hydraulic pump on topdrive.
12:00	17:00	PJSM W/Pioneer, Leam, & Patherfinder. PU 12 1/4" vertical Ass. 12 1/4" Smith MSi616 W/ 6-11 jets, 9 1/2 baker motor 2 deg. 5:6 lobe 6.0 stage .15 rev/gal, X-O W/ float, 1 MWD collar, 1 NMDC, 8" shock sub, XO sub, 19 jts 5" HWDP, Tagged float equipment @ 709'. 6 1/2" jars, 6 jts 5" HWDP 1 jt DP.
17:00	18:00	Install rotating head rubber & center up stack.
18:00	21:30	Continue drilling float collar, shoe track, float shoe & 10' new formation. Cont. P/U BHA 5 jts 5" HWDP, 6 1/2" jars, 6 jts 5" HWDP, From 1172' To 1182', 10' new formation. (Spud well @ 2130 hrs 1-2-14).
21:30	22:00	Circulate bottoms up @ 1182' prepare for FIT, Spot 60 bbls 90 vis mud in open hole.
22:00	23:00	Held pre-job safety meeting with Pioneer, Eager Beaver testers, NFX Rep, Perform FIT close pipe rams pressure up to 200 psi bleed off to 180 psi pumped back up to 200 psi bleed back off too180 psi held for 5 mins @ a 180 psi EMW 11.6 ppg, EMW desired 12.0 ppg.
23:00	00:00	Drill 12.25 vertical section From 1182' to 1238' 56' 56 fph, WOB 15, gpm 480, rpm 20.

Report Start Date	Report End Date	24hr Activity Summary
1/3/2014	1/4/2014	Change liner gasket #1 pump, Drill F/ 1238' to 1452' 214', Rig Service, Drill F/ 1452' to 2971' 1519', Rig Service, Drill F/ 2971' to 3634' 663'.

Start Time	End Time	Comment
00:00	01:00	Change out liner gasket in #1 mud pump.
01:00	03:00	Drill 12.25 vertical section From 1238' to 1452' 214' 107 fph, WOB 15, gpm 480, rpm 20.
03:00	03:30	Rig Service.
03:30	15:00	Drill 12.25 vertical section From 1452' to 2971' =1519' 132.1 fph, WOB 15, gpm 780, rpm 35.
15:00	15:30	Rig Service
15:30	00:00	Drill 12.25 vertical section From 2971' to 3634' = 663' 78 fph, WOB 15, gpm 877, rpm 35.

Report Start Date	Report End Date	24hr Activity Summary
1/4/2014	1/5/2014	Drill from 3634' to 3853' (219') 87.6 fpm, Rig Service, Work on #2 mud pump. Drill F/ 3853' to 4572' (719'), Rig Service, Drill F/ 4572' to 4913' (341'), Repair gaskets on mud lines & stand pipe line, Drill from 4913' to 5136' (223').

Start Time	End Time	Comment
00:00	02:30	Drill 12.25 vertical section From 3636' to 3853' (217') 86.8 fph, WOB 35, gpm 877, rpm 40.
02:30	03:00	Rig Service.
03:00	05:30	Work on #2 mud pump, Change liner gasket, wash plate & swab. While working pipe turning pipe @ 25 rpm, 500 gpm, Pumped 2 hi vis 90 vis sweeps while circulateing.
05:30	16:00	Drill 12.25 vertical section From 3853' to 4572' (719') 68 fph, WOB 35, gpm 804, rpm 35.
16:00	16:30	Rig Service.
16:30	20:30	Drill 12.25 vertical section From 4572' to 4913' (341') 85 fph, WOB 35, gpm 804, rpm 35.
20:30	22:00	Repair mud line, change gaskets on bottom of stand pipe from rig floor to sub.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
22:00	00:00	Drill 12.25 vertical section From 4913' to 5136' (223') 111.5 fph, WOB 35, gpm 840, rpm.

Report Start Date	Report End Date	24hr Activity Summary
1/5/2014	1/6/2014	Drill from 5136' to 5606' (470') 85.5 fph. Rig Service, Drill F/ 5606' to 6473' (867') 60 fph.

Start Time	End Time	Comment
00:00	05:30	Drill 12.25 vertical section From 5136' to 5606' (470') 85.5 fph, WOB 35, gpm 840, rpm.
05:30	06:00	Rig Service.
06:00	17:00	Drill 12.25 vertical section From 5606' to 6193' (587') 53.3 fph, WOB 35, gpm 840, rpm.
17:00	17:30	Rig Service.
17:30	00:00	Drill 12.25 vertical section From 6193' to 6473' (280') 43 fph, WOB 40, gpm 815, 35-40 rpm. Hit Trona @ 6242' ream through 4 times.

Report Start Date	Report End Date	24hr Activity Summary
1/6/2014	1/7/2014	Drill from 6473' to 6710' (237'), Rig Service, Drill F/ 6710 ' to 7143' (433'), Rig Service, Drill F/ 7143' to 7375' (232').

Start Time	End Time	Comment
00:00	05:30	Drill from 6473' to 6710' (237') 43 fph. 40 rpm, 810 gpm, 350-450 diff.
05:30	06:00	Rig Service.
06:00	16:00	Drill from 6710' to 7143' (433') 43.3 fph. 40 rpm, 810 gpm, 350-450 diff.
16:00	16:30	Rig Service.
16:30	00:00	Drill from 7143' to 7375' (232') 30.9 fph. 40 rpm, 790 gpm, 450-550 diff.

Report Start Date	Report End Date	24hr Activity Summary
1/7/2014	1/8/2014	Drill from 7375' to 7626' (251') 45 fph, Rig Service,Drill from 7626' to 7869' (243') 27 fph, Rig Service, Drill from 7869' to 8041' (172') 31 fph. Work on #2 mud pump, Drill from 8041' to 8090' (49') 32 fph.

Start Time	End Time	Comment
00:00	05:30	Drill from 7375' to 7626' (251') 45.6 fph. 40 rpm, 790 gpm, 450-550 diff.
05:30	06:00	Rig Service.
06:00	15:00	Drill from 7626' to 7869' (243') 27 fph. 40 rpm, 790 gpm, 450-550 diff.
15:00	15:30	Rig Service.
15:30	21:00	Drill from 7869' to 8041' (172') 31 fph. 40 rpm, 765 gpm, 450-550 diff.
21:00	21:30	Work on #2 mud pump change valve & spring. Circulate with 1 pump @ 120 strokes, 40 rpm, 500 gpm, while working pipe.
21:30	22:30	Found 2" washed on #2 pump locate & change same, Circulate with 1 pump @ 120 strokes, 40 rpm, 500 gpm, while working pipe.
22:30	00:00	Drill from 8041' to 8090' (49') 32 fph. 40 rpm, 765 gpm, 450-550 diff.

Report Start Date	Report End Date	24hr Activity Summary
1/8/2014	1/9/2014	Drill from 8090' to 8220' (130') 28 fph. Rig Service, Work on #1 Gen, Rig Service, Drill from 8220' to 8443' (223') 30 fpm.

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Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:00	04:30	Drill from 8090' to 8220' (130') 28 fph. 40 rpm, 765 gpm, 450-550 diff.
04:30	05:00	Rig Service.
05:00	10:00	Wait on electrician to repair generator. Troubleshooting & fixing #1 generator installing new transformer in vfd house & change out Ac module & exciter panel on #1 Gen electrical panel.
10:00	10:30	Drill from 8220' to 8240' (20') 40 fph. 40 rpm, 765 gpm, 450-550 diff.
10:30	13:30	Change out all Valves & seatsin #1 pump. clean suction pot, tighten mud line mounts & pulsation dampener bolts up on #1 pump.
13:30	17:30	Drill from 8240' to 8343 (103') 25.75 fph. 40 rpm, 765 gpm, 450-550 diff.
17:30	18:00	Rig Service.
18:00	00:00	Drill from 8343' to 8443' (100') 16 fph. 40 rpm, 711 gpm, 450-550 diff.

Report Start Date	Report End Date	24hr Activity Summary
1/9/2014	1/10/2014	Drill from 8443' to 8759' (316') 23 fpm. Rig Service, Circulate condition mud @ 8759' prepare tooh due to motor failer. TOOH.

Start Time	End Time	Comment
00:00	05:30	Drill from 8443' to 8554' (180') 32.72 fph. 40 rpm, 711 gpm, 450-550 diff.
05:30	06:00	Rig Service.
06:00	11:00	Drill from 8554' to 8659' (105') 21 fph. 40 rpm, 711 gpm, 450-550 diff.
11:00	11:30	Rig Service
11:30	14:30	Drill from 8659' to 8759' (100') 33.3 fph. 40 rpm, 711 gpm, 450-550 diff.
14:30	17:00	Circulate and prepare to POOH for mud motor failure.
17:00	19:30	Flow check well static, Pump slug TOOH from 8759' to 6222' While monitoring well on trip tank.
19:30	20:30	Drill string pulled tight @ 6222' work tight hole to 6204'.
20:30	21:30	Screw topdrive into drill string @ 6234' wash to 6190' when drill string freed up, Back ream with 25 strokes/min 30 rpm, Work drill string from 6190' to 6234' to clean and condition (Trona Formation) Work through 5 times total.
21:30	23:30	Pull 5 stds wet from 6190' to 5726', Pump slug blow down Topdrive & all mud lines, Monitor hole fill on trip tank.
23:30	00:00	Work tight hole from 4433' to 4430', Attempt to work down no sucsess jared up with 3' sucsess, Jared down with no sucsess, Rotate with no sucsess, pump @ 10 strks/min drill string came free.

Report Start Date	Report End Date	24hr Activity Summary
1/10/2014	1/11/2014	Continue TOOH from 4433' to 3452' Back reaming & working tight spots as needed. Rig Service. TOOH, Lay down BHA pick up same, TIH wash & ream from 1172' to 1600'.

Start Time	End Time	Comment
00:00	04:30	Wash 30 strks/min @ 3600 psi rpm 30 from 4491' to 4396', Work through tight spot 4 times, Continue back reaming & working through tight spots from 4396' to 3452'.
04:30	05:00	Rig Service, Post jaring inspection.

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Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
05:00	13:30	Continue back reaming from 3452' to 1172', Continue TOOH on elevators from 1172' to mud motor. Flow check @ 1172' well static, TOOH monitoring well on trip tank.
13:30	16:30	Pick up brake off shoke sub and lay down brake motor & bit pick up same & scribe install shock sub run in hole.
16:30	17:30	Trip in hole from 112' to 1167', Monitor well on trip tank.
17:30	18:00	Rig Service.
18:00	00:00	Attempt to trip in hole without pump (No sucsess) work back up to tool joint screw into drill , Started reaming from 1195' to 1600' with 115 strokes @ 40 rpm.

Report Start Date	Report End Date	24hr Activity Summary
1/11/2014	1/12/2014	Continue Washing & Reaming from 1600' to 4678' 200 strks/min, 35 rpm, 850 gpm.Rig Service, Post jarring inspection.

Start Time	End Time	Comment
00:00	05:30	Continue Washing & Reaming from 1600' to 2116' 120 strks/min, 20 rpm, 600 gpm.
05:30	06:00	Rig Service.
06:00	20:30	Continue Washing & Reaming from 2116' to 4304' 200 strks/min, 35 rpm, 830 gpm.
20:30	21:00	Post jaring inspection. Inspected topdrive, derrick, & crown @ 4304'.
21:00	00:00	Continue Washing & Reaming from 4304' to 4678' 200 strks/min, 35 rpm, 830 gpm.

Report Start Date	Report End Date	24hr Activity Summary
1/12/2014	1/13/2014	Washing & Reaming from 4678' to 5436', Rig Service, Washing & Reaming from 5436' to 6344', Rig Service, Washing & Reaming from 6344' to 6453'.

Start Time	End Time	Comment
00:00	05:30	Continue Washing & Reaming from 4678' to 5436' 200 strks/min, 35 rpm, 830 gpm.
05:30	06:00	Rig Service.
06:00	17:30	Continue Washing & Reaming from 5436' to 6344' 184 strks/min, 40 rpm, 765 gpm.
17:30	18:00	Rig Service.
18:00	00:00	Continue Washing & Reaming from 6344' to 6453' 184 strks/min, 40 rpm, 765 gpm.

Report Start Date	Report End Date	24hr Activity Summary
1/13/2014	1/14/2014	W/R F/ 6453' to 6557', Rig Service, W/R F/ 6557' to 6648', Circ prepare for trip,TOOH, Lay down pick up BHA, TIH.

Start Time	End Time	Comment
00:00	05:30	Continue Washing & Reaming from 6453' to 6557' 184 strks/min, 40 rpm, 765 gpm.
05:30	06:00	Rig Service.
06:00	12:30	Continue Washing & Reaming from 6557' to 6648' 184 strks/min, 40 rpm, 765 gpm.
12:30	13:30	Circ. mix slug, check flow, well static, pump slug.perpare to pull out of hole.
13:30	17:30	POOH F/ 6648' to 1605', Tight spots @ 3000' & from 2396' to 1605', While monitoring well on trip tank.
17:30	18:00	Rig Service.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
18:00	20:30	Continue TOOH F/ 1605' to surface, Pull rotating head rubber, lay down 1 jt HWDP @ 1093', While monitoring well on trip tank.
20:30	23:30	Pick up brake off shoke sub and lay down brake motor & bit pick up same & scribe install shock sub run in hole.
23:30	00:00	Trip in hole from 102' to 693' Monitor well on trip tank.

Report Start Date	Report End Date	24hr Activity Summary
1/14/2014	1/15/2014	Slip & Cut drill line,Rig Service, TIH, Replace hose on ST-80, TIH, Wash & Ream, Drill, Rig Service, Drill.

Start Time	End Time	Comment
00:00	02:30	Slip & cut 95' of drill line. Perform post jarring derrick inspection, install one missing bolt in standpipe clamp, perform full block calibration.
02:30	03:00	Rig Service.
03:00	07:30	TIH F/ 662' to 4592' Monitor well on trip tank. Install ratating head rubber @ 1097', Test MWD tool @ 1161' good test. tight spot @ 3286' to 3320' W/R 35' through tight spot. Filling pipe every 3000'.
07:30	09:30	Replace hyde hose on st-80, function test& check for leacks. while circulating & working pipe. (No leaks.)
09:30	12:00	Continue TIH F/ 4592' to 8354'. Filling pipe every 3000'.
12:00	15:00	Washing & Reaming from 8354' to 8759' 172 strks/min, 35 rpm, 720 gpm.
15:00	17:30	Drill from 8759' to 8794' (35') 14 fph. 30 rpm, 720 gpm, 300-350 diff.
17:30	18:00	Rig Service.
18:00	00:00	Drill from 8794' to 8880' (86') 14.3 fph. 30 rpm, 720 gpm, 300-350 diff.

Report Start Date	Report End Date	24hr Activity Summary
1/15/2014	1/16/2014	Drill F/ 8880' to 8942', Rig Service, Drill F/ 8942' to 8963', Check flow, well static, pump slug, POOH F/ Logging intermediate section. Rig up loggers. Log Intermediate section.

Start Time	End Time	Comment
00:00	05:30	Drill from 8880' to 8942' (62') 11.3 fph. 30 rpm, 720 gpm, 300-350 diff.
05:30	06:00	Rig Service.
06:00	08:00	Drill from 8942' to 8963' (21') 10.5 fph. 30 rpm, 720 gpm, 300-350 diff.
08:00	11:00	Criculate 2X bottoms up, pump hi-vis sweep. work pipe full stand & mix slug.
11:00	11:30	Check flow, well static, pump slug, perpare for trip out of hole.
11:30	17:00	POOH F/ 8963' to BHA', Well took proper fill. Flow check at shoe. Well static. Pull Rotating rubber.
17:00	17:30	LD Shock Sub, crossover, pull to bit and drain motor.
17:30	18:00	Rig Service.
18:00	19:00	Laydown bit, motor, float sub, NMDC, and MWD tools.
19:00	20:30	Rig up HES wireline

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
20:30	00:00	Log 12-1/4" vertical hole with quad combo. Loggers Depth TD 8,965', Drillers depth 8,963'

Report Start Date	Report End Date	24hr Activity Summary
1/16/2014	1/17/2014	Finish logging. Rig down loggers. Pull wear bushing.HPJSM and Rig up Kimzey. Run 9 5/8" casing to TD. Tag bottom and hang 9 5/8" casing. Rig down casing crews. Rig up HES Cementers while circulating.

Start Time	End Time	Comment
00:00	01:00	Finish logging intermediate section with Quad combo.
01:00	02:00	Laydown logging tools and rig down HES wireline.
02:00	02:30	Rig Service
02:30	04:00	Pull wear bushing
04:00	04:30	HPJSM with Pioneer, NFX, and Kimzey on rigging up.
04:30	06:00	Rig up Kimzey casing. Pick up 350ton slips, elevators, bell extenstions, power tong unit, and trip nipple.
06:00	17:30	Run 9 5/8" to 8920 ft, 40# N-80, BTC Casing (205 total joints run). Filling casing every 30 joints. Pick up tag joint and make last fill.
17:30	18:00	Rig Service while filling pipe.
18:00	19:00	Tag up at 8,940'. (20' of fill). Wash down to 8,958'. Lay down tag joint and pick up Hanger and landing joint.
19:00	19:30	Install 9 5/8" rotating head rubber.
19:30	20:00	Rig down casing crew's bails, elevators, and tawg tool. Pick up HES cement head. Load plug and install head on casing. Begin circulating stage pumps up to 120spm(10bpm). Lay down casing crews slips, and power tongs.
20:00	00:00	Rig up HES cementers. Circulate with 120spm(433gpm, 10 bpm) with 375psi.

Report Start Date	Report End Date	24hr Activity Summary
1/17/2014	1/18/2014	Cement 9 5/8" casing. Wash up. Rig down cementers. Clean pits

Start Time	End Time	Comment
00:00	00:30	Rig service
00:30	01:30	Continue to circulate at 120spm(433gpm, 10.3bpm) while HES rigged up.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
01:30	08:00	Pump Cement job as follows: 1.) Pressure test cement lines to 5,000 psi 2.) Pump 40 bbls of tuned spacer at 11.5 ppg 5bpm 3.) Pump 70 bbls (200 sks) of 1st lead cement at 5bpm 1.) Mixed at 12.5lb/gal, 1.96 ft3/sk, 10.56gal/sk 4.) Pump 653 bbls (1,870 sacks) of 2nd lead at 5 bpm 1.) Mixed at 12.5 lb/gal, 1.96 Ft3t/sk, 10.56 gal/sk 5.) Pump 104 bbls (455 sks) of Tail -5bpm 1.) Mixed at 14 ppg, 1.29 Ft3/sk, 5.7 gal/sk 6.) Shutdown, wash up pumps 7.) Drop plug 8.) Displace with 675.5 bbls of OBM at 5.5 bpm 1.) Cement back 490 bbls into displacement(180 bbls cement back) 2.) Had to slow pump to 1.6-4bpmbecause mud coming from tank farm was cold and transfer rate to pump trucks decreased at 400 bbls into displacement. Added diesel and were able to increase pump speed to 6 bpm at 510bbls into displacement 3.)Lost full returns and 150psi at 650bbls. Regained pressure and returns at 663bbls. 4.)Bump plug 9 bbls early (666bbls) 9.) Held 1200 psi over final circulating pressure of 200 psi for 5mins. Bled back 5 bbls. Floats held
08:00	09:00	Wash stack, and flow line up. Wash HES cementing equipment up.
09:00	10:00	Back out landing joint, drain stack, install packoff w/ cameron & test to 2200 psi f/ 10 min good test, back out packoff & lay down setting tool.
10:00	11:00	Install wear bushing.
11:00	11:30	Lay out Curve assembly BHA. Prep floor for tripping. Continue to clean pits.
11:30	13:30	PJSM W/ Leam, pathfinder, Pioneer, and NFX on picking up BHA. Begin picking up curve assembly. Scribe motor, shallow test good test. Continue to clean pits.
13:30	21:00	TIH F/ 90' to 8918'. Tagged Float collar at 8,918'. Finish cleaning pits @ 09:00pm.
21:00	21:30	Rig Service
21:30	23:00	HPJSM with Eager beaver on testing casing. Rig up Eager beaver. Test casing to 1,957psi and hold for 30mins. Test good. Fill pits.
23:00	00:00	Drill Shoe track from 8,918' to 8,956'.

Report Start Date	Report End Date	24hr Activity Summary
1/18/2014	1/19/2014	Drill 15' of new formation. Circulate. Handle Loss circulation. Pump 2 50bbl 20ppb LCM sweeps at 50spm. Drill to KOP @ 9,025' drill curve from 9025' to 9143' 118'

Start Time	End Time	Comment
00:00	01:00	Drill Shoe track from 8956' to top of shoe at 8961'. Drill out parameters: 15-20WOB, 80 spm(280gpm), 15rpm. Drill 15' foot of new formation from 8963' to 8978'.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
01:00	08:00	Begin Circulating to get consistant mud weight for FIT. Circulate at 140spm (500gpm). Began seeping mud while drilling new formation and losses increased during circulating. Backed off strokes to 50spm and began cutting mud wieght back to 12.7ppg with diesel and peak centrifuges. While cutting mud weight back sent two 50bbl 20ppb LCM sweeps. Stopped loosing fluid about 0600AM. Circulate a consistant 12.7ppg MW around. Spot 10bbl LCM sweep in open hole for FIT test.
08:00	08:30	HPJSM with Pioneer, NFX, and Eager beaver. Perform FIT test. Target 16ppg EMW. Leaked off at 200psi. Stopped pumping and pressure fell to 100psi(13.1 EMW) and held for 10 minutes.
08:30	10:30	Drill 8-3/4" curve from 8,978' to 9,015' (37') 18.5fph.
10:30	11:30	Trouble shoot Pathfinder toolface display.
11:30	17:30	Drill 8-3/4" curve from 9,015' to 9,111' (96') 16 fph. KOP-9,025 Slides: 9,025' - 9,038' (13') 180 MTF 9,040' - 9,067' (27') 180 MTF 9,071' - 9,098' (27') 180 MTF 9,102' - 9,111' (9') 180 MTF
17:30	18:00	Rig Service
18:00	00:00	Drill 8-3/4" curve from 9,111' to 9,143' (32') 6 fph. KOP-9,025 Slides: 9,111' - 9,130 ' (19') 5 GTF 9,133' - 9,143' (10') 5 GTF

Report Start Date	Report End Date	24hr Activity Summary
1/19/2014	1/20/2014	Drill 8 3/4" curve from 9,143' to 9,660'

Start Time	End Time	Comment
00:00	03:30	Drill 8 3/4" Curve from 9,143' to 9,205' (62') 17.7 fph.100% slide at 5L GTF
03:30	04:00	Rig Service
04:00	16:30	Drill 8 3/4" Curve from 9,205' to 9,491 (286') 22.8 fph. 100 % Slide HS GTF
16:30	17:00	Rig Service.
17:00	17:30	Overview well planned Curve w/ DD & Newfield Eng. & Foreman
17:30	00:00	Drill 8 3/4" Curve from 9,491' to 9,660' (169') 26 fph. 100 % Slide HS GTF

Report Start Date	Report End Date	24hr Activity Summary
1/20/2014	1/21/2014	Drill 8 3/4" Curve f/ 9,660' to 9,847'. Took influx of gas. Discovered ice plugs in MGS equipment and lines. Thaw lines and equipment. Circulate Gas out and raise MW to 12.7ppg.

Start Time	End Time	Comment
00:00	00:30	Drill 9,660' to 9,679 (19') 38fph. 100% Slide

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:30	01:00	Rig Service.
01:00	07:00	Drill 8 3/4" Curve from 9,679' to 9,847' (168') 28fph. Slides: 9,679 - 9,727' (48') 9,747 - 9,757' (10') Drill 90' once landed for RSS.
07:00	17:00	Once TD'd with Curve began to circulate Bottoms up. During bottoms up gas spiked to 6,930 units. Shakers started flowing over at possum belly. Tried to vent gas with no success. Then lined up to go to the gas buster. At this time the rotating rubber was pushed up into the rotarty table bushings while picking up and spacing out to shut in. Shut in well and record 280 psi SICP and 200 SIDPP. Tried to circulate with choke open and pressure would not bleed off. At this point suspect ice plug in downstream side of choke. Began bringing mud wieght in pits to 12.5ppg. Close choke and drain gas buster. Warm OBM came out. Slowly broke downstream choke line down and found ice plug. Thaw downstream choke line. While thawing choke line the rotating rubber was installed and annular was open down the flow line to the shakers. Checked for flow with little to none. Trouble shoot flow lines to and from gas buster. Thought to have an ice plug. Thaw to and from lines. Fill trip tank and fill gas buster. Ice plugs gone and buster operational. Opened choke and circulated with 40spm. Flow was inconsistant and gas bubbles where making their way to the shaker. Close choke and monitor pressures. Flare line had a solid plug from the buster to the flare stack. Break flare lines and thaw each joint and flar stack. During that time SIDPP stayed at 200psi and SICP raised to 400psi.
17:00	00:00	Begin Circulating with 30spm with choke open to 50%. 100 psi on DP and 40 psi on casing. Flare was a constant 15'. Slowly work pumps up to 60spm pump pressure came up to 1,000psi and Casing pressure increased to 150psi. Held Pressures and pump strokes to circulate gas out. Half way through Surface to Surface circulation (7642strokes) flare increased in intensity to a constant 30'. At the end of Circulation Flare decreased to 10'. Raised MW to 12.7ppg in pits. Took well of choke and took returns straight to the shakers. Circulate 12.7 around with 120spm 2,262psi.

Report Start Date	Report End Date	24hr Activity Summary
1/21/2014	1/22/2014	Circulate and Raise MW from 12.7 to 13.ppg due to flow on flow checks. Trip from TD to 8,980'. Raise MW from 13.0 to 13.1ppg due to flow on flow check.

Start Time	End Time	Comment
00:00	02:30	Pump Proactive LCM sweep. Circulate at 120spm, 15rpm, and working a full stand. Bring MW up from 12.7 to 12.8ppg.
02:30	03:00	Flow Check for 30 mins. 12.8ppg all around. Well flowing at about 4gpm.
03:00	05:30	Circulate and increase MW to 13ppg. Circulate at 150spm, 15rpm, work full stand.
05:30	06:00	Rig Service.
06:00	06:30	Finish circulating a 13ppg mud around.
06:30	07:00	Flow check for 30 mins. No Flow
07:00	09:00	TOOH because of TD from 9,812' to 8,980' at 25ft/min. Tripping slow to reduce swab effect. Tight spots with 30klbs over string weight at 9,635' and 9,528'. Well took proper fill for 9 stands.
09:00	11:00	Circulate at 120spm and 10rpm. Circulate 2x BU. 1st bottoms up had 6,300 units of gas with a 2' flare.2nd BU had a max 440units. Send LCM sweep and circulate around.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
11:00	11:30	Flow check for 30 mins. Had 1.5gpm flow.
11:30	14:30	Raise MW to 13.1ppg. Circulate with 120spm 5rpm, and work pipe 14'. BU yielded no gas. Pump LCM Sweep around.
14:30	15:00	Flow check for 30 mins. No Flow.
15:00	22:30	Pump slug and TOOH from 8,980' to 1,20'. Well took proper fills Pull Head Rubber
22:30	00:00	Drain & Break off Bit, LD Motor, MWD Tools

Report Start Date	Report End Date	24hr Activity Summary
1/22/2014	1/23/2014	Pick up Mock RSS and Reamer Assembly. TIH to 8515', Cut Drl Line, Circ.& Cond hole, FIT, Pump & Spot Squeeze Shut in. WO Squeeze

Start Time	End Time	Comment
00:00	02:00	Pick up Mock RSS and Reamer Assembly.
02:00	05:30	TIH from Sufrace to 5,088'. Filling every 3,000ft.
05:30	06:00	Rig Service.
06:00	08:00	TIH from 5,088' to 8,515.'
08:00	09:30	Slip & cut 120' of drill line. Circulate while Sliping & cutting. Max bottoms up gas 642units.
09:30	11:30	Continue to circulate until a consistant 13.2ppg MW is around.
11:30	13:30	FIT test with 13.2. Pumped up to 285 psi with 160 gallons from eager beaver. Decided to do rest of FIT with Rig pumps. Shut annular and staged pumps up to 20spm (1.67bpm, 70gpm). Pressure climbed to 550psi and fell to 280psi.
13:30	15:30	Bleed pressure off with eager beaver. Open annular and Circulate while mixing 6 pallets of frac attack with 65bbls of fresh water.
15:30	16:00	Rig Service
16:00	00:00	Pump 80 bbls of Frac Attack @ 3 BBLs/Min. Displace w/ OBM 55 bbls @ 3 BBLs/Min. SD Close Annular, Squeeze Frac Attack into Formation Lost Zone, @ 2 BBls Min, Total 1000 Stks, SD held pressure on backside of 453 psi bleed down to 296 psi in 6 Hrs.

Report Start Date	Report End Date	24hr Activity Summary
1/23/2014	1/24/2014	Hold Pressure on backside to set up Frac-Attack. Hesitate squeeze. Hold Pressure while mixing new pill of Frac-Attack. Spot Squeeze, Shut in, Squeeze. Pump Frac-attack around and TOOH to above it. Pressure up to 16ppg EMW on back side several times. Circulate and clean Frac-Attack out of Wellbore. Wash & Ream Thru Frac Attack from 8309' to 9125'

Start Time	End Time	Comment
00:00	05:30	Hold pressure on backside for Frac-Attack. Pressure bled down to 280psi.
05:30	06:00	Rig Service. Hold PSI on backside until 6am
06:00	07:30	Begin hesitation squeeze. Pump at .5bpm for 5bbls and hold for 15min. Repeat for a total of 20 bbls. 1st pressured up to 641psi and fell to 433psi, 2nd pressured up to 775psi and fell to 545psi, Pumped last two hesitation squeezes together. Pressured up to 958 psi and fell to 472psi.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
07:30	09:30	Hold pressure on backside bled down to 429psi from 945psi. While mixing frac attack with 70 bbls fresh water. TIH 3 stands to shoe at 8,963'.
09:30	14:00	Pump 80bbls of Frac-Attack and follow with 58bbls of OBM to displace Frac-Attack to bit. Shut annular and begin squeeze. Pressured up to 1300psi with 40bbls of Frac-Attack into formation pumping at 0.5bpm. Shut pumps off and hold pressure. Pressure held at 1295 psi for 5 mins Pump last 40bbls of frac-attack out of drill string.
14:00	14:30	Pull above Frac-attack(7 stands).
14:30	16:00	Stage pumps to 150spm and circulate1 botoms up.
16:00	17:30	Shut Annular, Pump w/ # 1 pump 1 bbl/min. (12 spm) Pressured up to 1310 psi, held for 5 min, Bled down to 906 psi Pressured up to 1310 psi held for 5 min. Bled down to 929 psi Pressured up to 1305 psi held for 5 min. Bled down to 1012 psi Pressured up to 1314 psi held for 5 min. Bled down to 1053 psi Pressured up to 1311 psi held for 10 min. Bled down to 925 psi
17:30	18:00	Rig Service
18:00	19:30	Circulate Bottoms up @ 70 Stks 244 gpm
19:30	00:00	Wash & Ream from 8309' to 9125' @ 100 Stks. 348 gpm

Report Start Date	Report End Date	24hr Activity Summary
1/24/2014	1/25/2014	Wash & Ream from 9125' to 9830', Circ & Cond. TOOH, LD Hole Opener & Tools, PU Laterial tools, TIH, C/O Head Rubber, TIH to 2985'

Start Time	End Time	Comment
00:00	05:30	Wash & Ream from 9125' to 9828'. Bring MW up to 13.8ppg.
05:30	06:00	Rig Service
06:00	08:00	Circulate 2 bottoms up. Bring MW up to 14ppg. Work full stand at 30 rpm and 120spm. 1st bottoms up gas was 5100units with 5-10foot flare.
08:00	15:30	15 min Flow check. Well static. POOH on elevators with reaming assembly from 9,828' to 8,837'. Hole slick, 5-10klbs of drag through curve. 15 min flow check in casing. Well static. TOOH from 8,837' to Reamer Assembly.
15:30	17:30	Lay down Reamers, Cross-overs, Drill collars, and bull noe hole opener.
17:30	18:00	Rig Service. Stage Schlumberger/Pathfinder equipment.
18:00	19:00	Clean Rig Floor, PU on Floor all subs
19:00	22:00	PU Rotary Steerable Dir Tools install MWD
22:00	00:00	Trip in Hole from 138' to 2985'

Report Start Date	Report End Date	24hr Activity Summary
1/25/2014	1/26/2014	Trip in hole to TD. Drill 8-1/2" Latera from 9,847' to 9,997' (150') 23.0 fph. Circ & Cond. TOOH from 9997' to 138'

Start Time	End Time	Comment
00:00	00:30	Install new rotating head rubber.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:30	05:00	TIH with lateral RSS assembly from 2,985' to 9,794'.
05:00	05:30	Rig Service
05:30	06:00	Cycle pumps to up link with RSS tool.
06:00	07:30	Drill 8 1/2" Lateralfrom 9,847' to 9,865' (18') 12fph. Relog 9,794' to 9,847'. 2x 18bit down link with RSS tool. Set RSS to hold 91.5 inclination
07:30	08:30	Repair Swab in #2 mud pump. Circulate with 120spm and 15 rpm.
08:30	09:30	Drill from 9,865' to 9,879' (14') 14fph
09:30	10:00	60bit down link tool to hold 91.5 inclination.
10:00	11:30	Drill 8 1/2" Lateral from 9.879'-9,927' (48') 32fph.
11:30	12:30	60bit down link tool to 75% down.
12:30	13:30	Drill 8 1/2" Lateral 9,927' to 9,964' (37') 37fph
13:30	14:30	60bit down link tool to 100% down.
14:30	16:00	Drill 8 1/2" Lateral 9,964' to 9,997' (33') 22fph
16:00	17:00	Circulate Bottoms up
17:00	17:30	Rig Service
17:30	18:00	Check for Flow, Pump Slug
18:00	00:00	Trip out of hole from 9997' to 138'

Report Start Date	Report End Date	24hr Activity Summary
1/26/2014	1/27/2014	Test RSS. Laydown RSS. Pick up New and test. make up all of BHA. TIH with new BHA. Down link tool. Wash to bottom. Drill from 9,997' to 10,032'. Down link tool to 100% down. Drill from 10,032' to 10,060'. Circ. & Cond. TOOH to Dir Tools.

Start Time	End Time	Comment
00:00	03:00	Stand back tools in Derrick. Break out bit and out of RSS and make up to a double of drill pipe. Test RSS with 300 gpm. RSS pads were not working. Lay down RSS and pick up spare. Test new RSS, test good. Make up rest of BHA.
03:00	05:30	TIH from 138' to 4,407'. Filling every 30 stands.
05:30	06:00	Rig Service
06:00	09:30	TIH from 4,407' to 9,804'. Filling every 30 stands
09:30	10:30	2x 60 bit down link to RSS tool to hold 91.5 inclination.
10:30	11:00	Wash down from 9,804' to 9,997'

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
11:00	12:30	Drill 8 1/2" lateral from 9,997' to 10,032' (35') 23.3fph
12:30	13:30	2x 60bit downlink to RSS tool 100% down.
13:30	15:00	Drill 8 1/2" lateral from 10,032' to 10,064' (32') 21.3fph.
15:00	16:00	Circulate BU with 135spm and 10rpm. Prepare for TOOH for BHA.
16:00	16:30	Rig service.
16:30	00:00	Flow check. Well static. Pump Slug. TOOH for BHA from 10,060' to138' LD Stabilizer, Break off Bit

Report Start Date	Report End Date	24hr Activity Summary
1/27/2014	1/28/2014	LD Rotary Steerable & Tools /MM, PU MM & Tools Scribe TIH to 8963', Cut Drl Line, RR Draworks, TIH Slide f/ 10,064' to 10,152' (88') 19.5 FPH

Start Time	End Time	Comment
00:00	01:30	Finish Laying down RSS BHA.
01:30	03:00	Pick up new mud motor and make up conventional lateral BHA with 1.5 baker motor. make up same smith MDi611.
03:00	05:30	TIH from 107' to 3,494'. Filling every 30 stands.
05:30	06:00	Rig service
06:00	11:00	TIH from 3,494' to 6,394'. Pick up 30 singles from 6,394' to 8,963'.
11:00	12:30	Slip & Cut 115' of Drill line
12:30	13:00	Rig Service
13:00	18:00	Trouble shoot draw works.
18:00	19:00	Trip in hole to 10,044'
19:00	19:30	Relog from 10,064' to 10,064'
19:30	00:00	Drill / Slide 8 1/2" lateral from 10,064' to 10,152' (88') 19.5 fph Slides:10,064'-10,152' TF (160')

Report Start Date	Report End Date	24hr Activity Summary
1/28/2014	1/29/2014	Drill 8 1/2" lateral from 10,154' to 10,897' (743') 32.9 fph

Start Time	End Time	Comment
00:00	01:00	Drill 8-1/2" Lateral from 10,154' - 10,189' (35') 35fph 100% slide.
01:00	01:30	Rig Serivce

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
01:30	17:00	Drill from 10,189' to 10,694' (505') 32.6 fph Slides: 10,189' - 10,246' (57') 160 right GTF 10,485' - 10,515' (30') 240 GTF 10,574' - 10,599' (25') 90 left GTF 10,668' - 10,694 (26') 40 Left GTF
17:00	17:30	Rig Service. Fix Generators.
17:30	00:00	Drill from 10,694' to 10,897' (203') 33.6 fph Slides: 10,702' - 10,758' (56') 30 Left GTF 10,768' - 10,795' (27') 30 Left GTF

Report Start Date	Report End Date	24hr Activity Summary
1/29/2014	1/30/2014	Drill 8 1/2" lateral from 10,897' to 11,059' (162') 29.5 fph, RS, Top Drive Repair, Circ. 2-Btms up, TOH for MWD, LD Dir Tools, RU Testers, Start BOP Test, Ann. Failed RD Testers, (TOH For MWD Failure & Alignment of MWD & Motor was out by 50 degree, Found Rubber in Bit Jet & in MWD)

Start Time	End Time	Comment
00:00	05:30	Drill 8-1/2" Lateral from 10,897' to 11,059' (162') 29.5 fph. Slides: 10,896' - 10,917' (21') 60L GTF
05:30	06:00	Rig Service.
06:00	06:30	Repair top drive. Bypassed topdrive encoder to release topdrive brakes.
06:30	09:00	Circulate 2 bottoms up with 100rpm and 150spm. Build slug in prep for TOOH.
09:00	11:30	Flow check. Well static. TOOH for MWD failure from 10,970' to 8,855'.
11:30	12:00	Rig Service.
12:00	12:30	Replace topdrive encoder. Remove bypass and function topdrive Function test good. Monitor well on trip tank.
12:30	19:00	MWD failure, TOH from 8,855' to BHA.
19:00	20:00	LD Bit Motor & MWD Tools, (TOOH For MWD Failure & Alignment of MWD & Motor was out by 50 degree, Found Rubber in Bit Jet & in MWD)
20:00	20:30	Pull Wear Bushing
20:30	22:30	Held Safety Mtg. Set Plug Rig up Testers start test, Test Failed on Annular RD Tester
22:30	00:00	Held Safety Mtg., Remove Flowline, Rotating Head and remove Annular Cap

Report Start Date	Report End Date	24hr Activity Summary
1/30/2014	1/31/2014	Change out annular element, Test BOP'S, Install rotating head, attatch flowline to rotating head, Rig service, Iinstall wear bushing, PU & Scribe Dir Tools, TIH, Iinstall Rotating head, TIH to 4550'

Start Time	End Time	Comment
00:00	07:30	Continue change out annular element.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
07:30	13:30	PJSM W/ Eager beaver, begin pressure test all floor valves, IBOP, HCR, choke manifold, upper, lower pipe rams and blind rams to 5,000psi high and 250psi low for 5 minutes & high for 10 min. Pressure test annular preventer to 3,500psi high 250psi low. Test downstreams to 250low,5k high, run in test jt close lower pipe rams, test mud lines back to pumps 250 low, 5k high, held low for 5 min & high for 10 min.
13:30	17:00	Install rotating head, attach flowline to rotating head.
17:00	17:30	Pick up new mud motor and make up conventional lateral BHA with 1.5 baker motor. make up new smith MDi611.
17:30	18:00	Rig Service
18:00	20:30	Pick up new mud motor, (Baker XLMS 6 3/4", 1.5* Adj, Bend 7/8 Lobe, 6 Stage, Bit to Bend 6.6, Flow Rate 265-660 Gpm .27 Revs/Gal) and make up conventional lateral BHA with Smith MDi611.
20:30	00:00	Continue TIH F/ BHA' to 4,550' (Installed Rotating Head Rubber)

Report Start Date	Report End Date	24hr Activity Summary
1/31/2014	2/1/2014	Relog from 11045' to 11059', Drill 8 1/2" lateral from 11,059' to 11,137', Change out rotating head rubber, Drill 8 1/2 lateral F/ 11137' to 11,412', Rig Service, Drill 8 1/2 Lateral F/ 11,412' to 11,517'.

Start Time	End Time	Comment
00:00	05:00	Trip in hole from 4550' to 11,000', Wash to Btm. 11,059' (Relog from 11045' to 11059'
05:00	05:30	Rig Service
05:30	08:00	Drill 8-1/2" Lateral from 11,059' to 11,137' (78') 31.2 fph. Slides: 11,059' - 11,094' (40') 90 L GTF
08:00	09:00	Change out rotating head rubber.
09:00	17:30	Drill 8-1/2" Lateral from 11,137' to 11,412' (275') 32.3 fph. Slides: 11,147' - 11,177' (30') 50 L GTF 11,237' - 11,272' (35) 20 L GTF 11,301' - 11,320' (19) 20 L GTF 11,320 - 11,350' (30') 20 L GTF
17:30	18:00	Rig Service.
18:00	00:00	Drill 8-1/2" Lateral from 11,412' to 11,517' (105') 17.5 fph. Slides: 11,464' - 11,494' (30) 20 R GTF 11,506' - 11,517' (11) 20 R GTF

Report Start Date	Report End Date	24hr Activity Summary
2/1/2014	2/2/2014	Drill 8 1/2 Lateral F/ 11,517' to 11,655', Rig Service, Drill Lateral F/ 11655' - 11877', Rig Service, Drill lateral F/ 11,877' - 12,025.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:00	05:30	Drill 8-1/2" Lateral from 11,517' to 11,655' (138') 27.6 fph. Slides: 11,517' - 11,535' (18) 20 R GTF 11,600' - 11,655' (26) 20 R GTF Re-Log 50' gamma F/ 11605' - 11655'.
05:30	06:00	Rig Service
06:00	14:00	Drill 8-1/2" Lateral from 11,' to 11,626' - 11,877' (251') 31.4 fph. Slides: 11,700 - 11,720 (20) 50R GTF, 11,754' - 11,777' (23) 30-70R GTF, 11,794' - 11,812' (18) 30-70R GTF
14:00	14:30	Rig Service.
14:30	00:00	Drill 8-1/2" Lateral from 11,877' to 12,025' (148') 15.8 fph. Slides: 11,882' - 11,902' (20') @ 75R, GTF, 11,935' - 11,952' (17') @ 75R, GTF, 11,981' - 12,001' (20) @ 90R, GTF,

Report Start Date	Report End Date	24hr Activity Summary
2/2/2014	2/3/2014	Drill 8 1/2 Lateral F/ 12,025' to 12,065', Rig Service, Drill Lateral F/ 12,065' - 12,225', Circ., Ck f/Flow, Pump slug TOOH to 4792'

Start Time	End Time	Comment
00:00	03:00	Drill 8-1/2" Lateral from 12,025' to 12,065' (40') 13.3 fph. Slides: 12,025' - 12,045' (20') @ 90R, GTF,
03:00	03:30	Rig Service.
03:30	12:30	Drill 8-1/2" Lateral from 12,064' to 12,225' (161') 17.8 fph. Slides: 12,064' - 12,095' (31') @ 90R, GTF, 12,130' - 12,150' (20') @ 110R, GTF, 12,167' - 12,187' (20') @ 125R, GTF, 12,217' - 12,225' (8') @ 160R, GTF.
12:30	16:30	Circulate and condition mud @ 12,225', Circulating 3 x bottoms up @ 22,500 stks total, 144 spm (520 gpm), 100 rpm. After each bottoms up rack back a stand for 3 stds. Torque- 9-10Kft-lbs PP-4700psi PU-270klbs SO-205klbs
16:30	17:00	Rig Service.
17:00	17:30	Check Flow, Well Static, Pump slug. perpare to POOH. reason pooh to pick up new bha due to poor sliding an low motor yield an motor getting weak (First slug no good, had to rebuild slug & pump slug #2 good)

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
17:30	00:00	POOH F/ 12,225' to 4,792'. While monitoring well on trip tank. (Joints are breaking very tight- (Tight Connections) Breaking w/ Tongs screwing out w/ ST-80.

Report Start Date	Report End Date	24hr Activity Summary
2/3/2014	2/4/2014	Trip out of hole from 4792 to BHA, LD/PU Dir Tools, TIH, Slip & cut drill line, Rig Service, Cont. TIH, W/R 25' to Bottom, Drill 8 1/2 Lateral F/ 12,225' to 12,364' (139'), Rig Service,

Start Time	End Time	Comment
00:00	03:30	Trip out of hole from 4,792 to BHA
03:30	04:00	Rig Service
04:00	07:00	LD Dir Tools, Filter sub, NMDC, drain motor, brake bit, change out mwd tool. (install new IP-zig above motor.) pick up new motor & make up the same bit & RR, make up nmdc, filter sub, cougar shock sub & 1 stand drill pipe & install rotating head rubber.
07:00	12:30	TIH F/ 142' to 8,893' Filling pipe every 3,000'..
12:30	13:30	Slip & cut 115' of drill line.
13:30	14:00	Rig Service.
14:00	16:00	Continue TIH F/ 8,893' to 12,200' Filling pipe every 3,000'. (W/R 25' To Botttom F/ 12,200' to 12,225')
16:00	00:00	Drill 8-1/2" Lateral from 12,225' to 12,364' (139') 17.4 fph. Slides:

Report Start Date	Report End Date	24hr Activity Summary
2/4/2014	2/5/2014	Drill 8-1/2" Lateral from 12,364' to 12,476', Rig Service, Drill 8-1/2" Lateral from 12,476' to 12,951', Rig Service, Drill from 12,951' to 13,277' (TFD 913')

Start Time	End Time	Comment
00:00	03:30	Drill 8-1/2" Lateral from 12,364' to 12,476' (112') 32.0 fph. WOB 15-25 PP 4250-4550 Psi Diff 300-450 GPM 455 TQ 13-15 PU 255K SO 150K Rot 214K RE-SYNC MWD after every slide Slides: Rotate: 12,381' - 12,396' (10') @ 75 R GTF 12,364' - 12,381' (17') 12,396' -12,476' (80')
03:30	04:00	Rig Service

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
04:00	15:30	Drill 8-1/2" Lateral from 12,476' to 12,951' (475') 41.3 fph. WOB 15-25 PP 4350-4650 Psi Diff 300-450 GPM 455 TQ 13-15 PU 255K SO 150K Rot 214K RE-SYNC MWD after every slide Slides: Rotate: 12,676' - 12,701' (25') @ 35 R GTF 12,476' - 12,571' (95') 12,771' - 12,796' (25') @ 65 R GTF 12,571' - 12,640' (69') 12,640' - 12,666' (26') 12,666' - 12,676' (10') 12,701' - 12,761' (60') 12,761' - 12,771' (10') 12,796' - 12,856' (60') 12,856' - 12,951' (95')
15:30	16:00	Rig Service.
16:00	00:00	Drill 8-1/2" Lateral from 12,951' to 13,277' (326') 40.75 fph. WOB 15-25 PP 4250-4550 Psi Diff 300-450 GPM 455 TQ 7- 15 PU 285K SO 110K Rot 212K RE-SYNC MWD after every slide Drilled w/#2 Pump C/O all valves on # 1 pump Slides: Rotate: 13,055' - 13,067' (12') @ 90 R GTF 12,951' - 13,055' (104') 13,246' - 13,257' (11') @ 170 R GTF 13,067' - 13,246' (190') 13,257' - 13,277' (20')

Report Start Date	Report End Date	24hr Activity Summary
2/5/2014	2/6/2014	Drill 8-1/2" Lateral from 13,277' to 13,520', Rig Service, Trouble Shoot Top Drive, Drill 8 1/2 Lateral F/ 13,520' to 13,985, Rig Service. Drill from 13,985' to 14451' (TFD 1174')

Start Time	End Time	Comment
00:00	04:00	Drill 8-1/2" Lateral from 13,277' to 13,520' (243') 48.6 fph. WOB 15-25 PP 4250-4550 Psi Diff 300-450 GPM 455 TQ 7- 15 PU 285K SO 110K Rot 212K RE-SYNC MWD after every slide Drilled w/#1 Pump C/O all Swabs on # 2 pump Rotate: 13,277' - 13,520' (243') 48.6 fph
04:00	04:30	Rig Service
04:30	05:30	Top Drive hydralic problems Troubleshooting top drive.
05:30	15:00	Drill 8-1/2" Lateral from 13,520' to 13,995' (475') 50 fph. WOB 15-25 PP 4250-4550 Psi Diff 300-450 GPM 455 TQ 7- 15 PU 285K SO 110K Rot 212K RE-SYNC MWD after every slide Slide: 13,625' - 13,645' (20') @ 190 GTF
15:00	15:30	Rig Service.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
15:30	00:00	Drill 8-1/2" Lateral from 13,995' to 14,451' (456') 53.6 fph. WOB 15-25 PP 4450-4850 Psi Diff 300-450 GPM 455 TQ 10- 17 PU 29K SO 70K Rot 210K RE-SYNC MWD after every slide

Report Start Date	Report End Date	24hr Activity Summary
2/6/2014	2/7/2014	Drill 8-1/2" Lateral from 14,451' to 14,768'. Trouble shoot MWD. Circulate 4x Bottoms up. TOOH for MWD from 14,768' - 900'

Start Time	End Time	Comment
00:00	04:30	Drill 8-1/2" Lateral from 14,451' to 14,658' (207') 46 fph. RE-SYNC MWD after every slide Slide: 14,574 to 14,584' (10') @ 170 R GTF
04:30	05:00	Rig Service
05:00	09:00	Drill 8-1/2" Lateral from 14,658' to 14,768' (110') 27.5 fph. RE-SYNC MWD after every slide Slide: 14,762' to 14,768' (6') 6fph @ 170 R GTF
09:00	10:00	Lost detection with MWD pulser while sliding. Recycle pumps and reprogram tool to lower data rate. No Success.
10:00	14:30	Circulate 4x Bottoms up with 140spm, 100rpm, and work full stand. Pumped High viscosity sweep to try and clear any debris from tool.
14:30	00:00	Flow check. Well static. Pump Slug. TOOH for MWD failure from 14,768' to 900'. (Flow Ck @ Shoe). Went through pumps. Changed all 3 suction valves on pump #2 and oiler water.

Report Start Date	Report End Date	24hr Activity Summary
2/7/2014	2/8/2014	TOOH. Lay down Mud motor, Bit, and MWD. Pick up new mud motor, bit, and MWD. TIH. Wash last two stands to Btm. Drill 8-1/2" Lateral from 14,768' to 14,885' (117').

Start Time	End Time	Comment
00:00	00:30	Trip out of Hole from 900' to 230'
00:30	01:00	Flow Check / Pull Rotating Head Rubber
01:00	03:30	LD Dir Tools, Filter sub, NMDC, drain motor, brake bit, change out mwd tool. pick up new motor & make up new bit, make up nmdc, filter sub, cougar shock sub & 1 stand drill pipe & install rotating head rubber.
03:30	04:00	Install new Rotating Head Rubber
04:00	05:30	TIH from 230' to 3,654'. Filling every 30 stands.
05:30	06:00	Rig Service
06:00	17:00	TIH from 3,654' to TD. Filling every 30 stands. Tested MWD, Mud motor, and Agitator at 5,595'. Test good. Tight spot at 14,584'. Wash last two stands down to TD
17:00	17:30	Drill 8-1/2" Lateral from 14,768' to 14,775' (7') 14 fph. Slide: 14,768' to 14,775' (7') @ 170 R GTF
17:30	18:00	Rig Service

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
18:00	00:00	Drill 8-1/2" Lateral from 14,775' to 14,885' (110') 18.0 fph Slide: 14,775' to 14,777' (2') @ 180 R GTF

Report Start Date	Report End Date	24hr Activity Summary
2/8/2014	2/9/2014	Drill 8 1/2" lateral from 14,885' to 15,035' (150') 12fph. Fix Generators and restart rig. Drill from 15,035' to 15,258' (223')

Start Time	End Time	Comment
00:00	05:30	Drill 8-1/2" Lateral from 14,885' to 14,941' (56') 10.2fph. Slides: 14,906' - 14,916' (10') @ 180 GTF
05:30	06:00	Rig Service
06:00	13:00	Drill 8-1/2" Lateral from 14,941' to 15,009' (68') 9.7 fph. Slides: 14,951' - 14,966' (15') 170R GTF
13:00	14:00	Generators went down while drilling. Restart generators and rig. Drawworks brake would not disengage. Restart upper dog house. Disengage drawworks brake. Pick up off bottom and recycle pumps for MWD.
14:00	15:30	Drill 8-1/2" Lateral from 15,009' to 15,035' (26') 17.33ph.
15:30	16:00	Rig Service.
16:00	00:00	Drill 8-1/2" Lateral from 15,035' to 15,258' (223') 27.8 fph. Slides: 15,046' - 15,056' (10') 0 GTF 15,145' - 15,155' (10') HS GTF

Report Start Date	Report End Date	24hr Activity Summary
2/9/2014	2/10/2014	Drill 8 1/2" lateral from 15,258' to 16,000' (742') 37 fph.

Start Time	End Time	Comment
00:00	03:00	Drill 8 1/2" lateral from 15,258' to 15,415' (157') 52.3 fph,
03:00	03:30	Rig Service
03:30	13:00	Drill 8 1/2" lateral from 15,415' to 15,740' (325') 34 fph. Slides: 15,427' - 15,440' (13') HS GTF
13:00	14:30	While drilling at 15,740' Differential held at 370psi stalling the autodriller. Picked up and held 370psi differential (SPP-4896psi). Trouble shoot and check motor by trying to drill with lower pump rate. Pickup and check differential due to low differential and ROP with higher WOB(35klbs). Check mud motor by picking up and drilling with no rotation to see motor strength. Motor was good. Recycled pumps and pressure returned to normal. Resumed drilling from 15,765'. Drilled 25 foot while trouble shooting. No rubber was observed over the shakers.

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Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
14:30	00:00	Drill 8 1/2" lateral from 15,765' to 16,000' (235') 24.7 fph. Slides: 15,803' - 15,809' (6') 10 R GTF 15,902' - 15,914' (12') 10 R GTF 15,997' - 16,000' (3') HS GTF

Report Start Date	Report End Date	24hr Activity Summary
2/10/2014	2/11/2014	Drill 8 1/2" lateral from 16,000' to 16,830' (830') 36 fph, Rig Service

Start Time	End Time	Comment
00:00	03:30	Drill 8 1/2" lateral from 16,000' to 16,076' (76') 21.7 fph Slide: 16,000'-16,017' (17') HS GTF
03:30	04:00	Rig Service.
04:00	15:30	Drill 8 1/2" lateral from 16,076' to 16,550' (474') 41.3 fph Slide: 16,092' - 16,100' (8') HS GTF 16,100' - 16,107' (7') 10R GTF
15:30	16:00	Rig Service
16:00	00:00	Drill 8 1/2" lateral from 16,550' to 16,830' (280') 35 fph Slide: 16,627' - 16,646' (19') HS GTF

Report Start Date	Report End Date	24hr Activity Summary
2/11/2014	2/12/2014	Drill 8 1/2" lateral from 16,830' to 17,510' (680') 29.6 fph

Start Time	End Time	Comment
00:00	05:00	Drill 8 1/2" lateral from 16,830' to 16,931' (101') 20.2 fph. Slide: 16850' to 16,868' (20') 30L GTF
05:00	05:30	Rig service.
05:30	15:30	Drill 8 1/2" lateral from 16,931' to 17,312' (381') 38 fph. Slide: 17,226' to 17,246' (20') 55 L GTF
15:30	16:00	Rig Service
16:00	00:00	Drill 8 1/2" lateral from 17,312' to 17,510' (198') 24.7 fph.

Report Start Date	Report End Date	24hr Activity Summary
2/12/2014	2/13/2014	Drillled 8 1/2" lateral from 17,510' to 18085' (575' in 23 hours) 25 fph, Increased rotary speed to 80 rpm at 18005' to promote hole cleaning, Pressure climbed to 5000 psi and Rop slowed so pump output was reduced to 407 gpm then pump pressure stabilized at 4700 psi on bottom and rop increased with change in bit speed while maintainig mud weight at 14.5 PPG

Start Time	End Time	Comment
00:00	04:30	Drill 8 1/2" lateral from 17,510' to 17,593' (83') 16.6 fph. Slides: 17,510' - 17,528' (18') 90L GTF
04:30	05:00	Rig service

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
05:00	17:30	Drill 8 1/2" lateral from 17,593' to 17,920' (327') 26.16 fph. Slides: 17,603' - 17,622' (19') 90L GTF, 17,888' - 17,894' (6') 90L GTF' ROP slowed to 20-30 fph at 17,793'. Pumped 15 bbls walnut sweep. 1,000 strokes away from the sweep hitting the bit, picked up and put 5klbs on bit and circulated the sweep out of the bit. Afterwards ROP increased to 60-65 fph. Begin to pump walnut sweeps proactively and as needed.
17:30	18:00	(JSA) Lubricate rig, top drive, ST-80, top drive, catwalk, and Pumps.
18:00	00:00	Drilled 165' of 8.5" lateral from 17920' to 18085' at 27.5 fph with 1 Pump at 405 Gpm and 80 RPM Mud weight = 14.5 ppg BG gas = 6500 u average Slide: from 17985 to 18005 (20' in 1.5 hrs @ 90L)

Report Start Date	Report End Date	24hr Activity Summary
2/13/2014	2/14/2014	Drill 8 1/2" lateral from 18,085' to 18,804' (719') at an average of 30.7 fph

Start Time	End Time	Comment
00:00	04:30	Drilled 173' of 8 1/2" lateral from 18085' to 18258' with an average ROP of 38.4 fph 100% Rotary Mud weight at 14.5 ppg
04:30	05:00	(JSA) Lubricate rig, Service Draw works, ST-80, Blocks, IBOP, and Hyd Catwalk
05:00	15:30	Drill 8 1/2" lateral from 18,258' to 18,545' (287') at an average of 27.3 fph Slides: 18,363'-18,374' (11') 30L GTF
15:30	16:00	(JSA) Lubricate rig, Service Draw works, ST-80, Blocks, IBOP, and Hyd Catwalk
16:00	00:00	Drilled 259' of 8 1/2" lateral from 18,545' to 18,804' in rotation with an average ROP of 32.4 fph. Maintained mud weight at 14.6+ ppg Performed surprise BOP drill at 19:20, Function test Annular Preventer, HCR and Super choke then took slow pump rates with both pumps at 18690'.

Report Start Date	Report End Date	24hr Activity Summary
2/14/2014	2/15/2014	Drill 8 1/2" lateral from 18,804' to 19,360' (556') at an average of 24.4 fph

Start Time	End Time	Comment
00:00	05:00	Drill 66' of 8 1/2" lateral from 18,804' to 18,870' with an average ROP of 32.4 fph. Maintained mud weight at 14.6+ ppg Slides: From 18837' to 18857' (20' in 2.5 hrs at 90L GTF)
05:00	05:30	(JSA) Lubricate Rig, Service draw works, Top drive, IBOP, and hyd catwalk
05:30	13:30	Drill 244' of 8 1/2" lateral from 18,870' to 19,114' with an average ROP of 30.5 fph. Maintained mud weight at 14.6+ ppg.
13:30	14:15	Poor detection on MWD tool while drilling. Relog whole stand from 19,019' - 19,114'

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Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
14:15	16:15	Drill 93' of 8 1/2" lateral from 19,114' to 19,207' with an average ROP of 46.5 fph. Maintained mud weight at 14.6+ ppg.
16:15	17:00	Poor detection on MWD tool while drilling. Relog from 19,132' - 19,207'.
17:00	17:30	(JSA) Lubricate Rig, Service draw works, Top drive, IBOP, and hyd catwalk
17:30	19:30	Drill 65' of 8 1/2" lateral from 19,207' to 19,272' with an average ROP of 21.7 fph. Maintained mud weight at 14.6+ ppg.
19:30	20:30	Pressure spike up to 5100' pick up and trouble shoot Mud Motor. Found motor functioning normal and assume nozzel plugged reduce flow rate to 390 GPm and return to drilling.
20:30	21:00	Drill 31' of 8 1/2" lateral from 19,272' to 19.303' with average ROP of 62 fph Begin deluting mud with mud from stoage, Maintain mud weight at 14.6+
21:00	21:45	Poor detection on MWD tool while drilling. Re Log from 19,207' to 19,303'.
21:45	00:00	Drill 31' of 8 1/2" lateral from 19.303' to 19,360' with average ROP of 25.3 fph Continue deluting active mud with mud from stoage, Maintain mud weight at 14.6+

Report Start Date	Report End Date	24hr Activity Summary
2/15/2014	2/16/2014	Drill 8 1/2" lateral from 19,360' to 19,462' (102') at an average of 15.7 fph trouble shoot Mud motor, assume bearing failure call TD at 19462' and begin Clean up Cycle with100 RPM, 408 Gpm and 4900 PSI (increasing flow rate and Rotary speed to maintain max pump pressure as well bore cleans up). Circulate 98000 strokes with returns at shale shakers beginning to clean up at midnight.

Start Time	End Time	Comment
00:00	00:30	Rig Service
00:30	01:30	Drill 8 1/2" lateral from 19,360' to 19,397' (37') at an average of 37 fph
01:30	02:00	Poor detection on MWD tool while drilling. Re Log from 19,303' to 19,397'.
02:00	07:30	Drill 8 1/2" lateral from 19,397' to 19,462' (65') at an average of 10.8 fph. Slides: 19,407' - 19,414' (7') 90L GTF
07:30	08:00	Pump pressure increased while drilling at 110spm from 4,500 off bottom pressure to 5,000 off bottom pressure. Trouble shoot pressure. Pressure never dropped off. Call TD at 19,462'.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
08:00	00:00	Circulate bottoms up while working full stand at 107spm and 100rpm. Beginning of cleanup cycle: Torque- 17,535 ft-lbs Rotating pick up-194klbs Rotating Slack Off-175klbs Pump pressure- 110spm- 4960psi/107spm-4950psi Ending parameters at midnight: Torque- 14500 ft-lbs Rotating pick up- 194 klbs Rotating Slack Off-189 klbs Pump pressure- 117 spm - 4990 psi Strokes @ 00:00- 93,000/144,000(12 bottoms up)

Report Start Date	Report End Date	24hr Activity Summary
2/16/2014	2/17/2014	Circulate Clean up Cycle. TOOH from 19,452' to 8,893'. Slip and cut drilling line then set and test Crown-O-Matic while monitoring well on trip tank. Pull out of hole laying down drill pipe from 8893' to 5188'.

Start Time	End Time	Comment
00:00	10:00	Circulate bottoms up while working full stand at 107spm and 100rpm. Beginning of cleanup cycle: Torque- 17,535 ft-lbs Rotating pick up-194klbs Rotating Slack Off-175klbs Pump pressure- 110spm- 4960psi/107spm-4950psi Wash back to bottom on last bottoms up and finish 12th bottoms up. Ending parameters: Torque- 14500 ft-lbs Rotating pick up- 194 klbs Rotating Slack Off-189 klbs Pump pressure- 117 spm - 4990 psi
10:00	17:30	Flow check. Well static. Pull 5 stands. First stand had 40 overpull coming off bottom and the others were slick with no abnormal drag. Pump slug. TOOH from 19,072' to 8,893'. Flow check for 10 minutes (No Flow) PJSM-Circulate mud in pits with hot oiler. Discharge at 130 deg and suction 110 deg.
17:30	19:00	(JSA) Slip and cut Drilling line, Set and test Crown-O-Matic. Monitor well for flow (No Flow) Continue circulating mud in pits with Hot Oil truck Suction temp: 110 deg, discharge temp: 140 deg
19:00	00:00	(JSA) Lay down Drill Pipe from 8893' to 5188' Monitor well on Trip tank to ensure proper fill. Continue circulating mud in pits with hot Oil truck suction temp: 100 deg discharge temp staged up to 160 deg.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
2/17/2014	2/18/2014	Lay Down drill pipe from 5188' to BHA then lay down BHA, break bit and pull wear bushing. Clean Rig floor. PJSM with Kimzey on rigging up. Rig up Kimzey. PJSM on running casing. Pick up shoe track and toe gun then test float equipment with 20 spm and run in hole to 5188'

Start Time	End Time	Comment
00:00	00:30	Routine rig service
00:30	08:00	(JSA) Lay down Drill Pipe from 5188' to BHA Monitor well on Trip tank to ensure proper fill and check for flow when filling trip tank. Continue circulating mud in pits with hot oil truck. Suction temp: 120 deg Trough Temp: 150 deg. Hot oil truck discharge temp staged up to 175 deg.
08:00	08:30	Pull Rotating Head
08:30	11:00	LD Filter sub, monel, crossover. Pull up to bit and drain motor break and lay down mud motor, pull MWD, lower Pzig, double pin crossover, upper Pzig, and MWD collar. Bit had two chipped teeth on the nose and a pluged jet with shale.
11:00	11:30	Pull Wear bushing.
11:30	12:00	Clean floor for and prep for picking up casing tools.
12:00	12:30	Rig Service. Continue to clean rig floor.
12:30	13:00	Pre job for rigging up Kimzey casing to run 5.5" P-110 20# BTC XP casing.
13:00	15:00	Rig up Kimzey casing to run 5.5" P-110 20# BTC XP casing.
15:00	16:00	Hold 15minute PJSM with Kimzey, Pioneer, NFX. Pick up shoe track and toe gun. Run in order as follows: Shoe 5.5" Casing joint Float collar Casing Joint XO BTC by LTC Sage Rider toe gun XO LTC by BTC Test shoe track with 20spm. Test Good.
16:00	00:00	Run 5.5" P-110 20# BTC XP casing from 128' to 5188' (122 total joints run) with Kimsey Casing. Installed Marker joint at 3700' (between joint 87 and 88) Filled Casing at 1000', 3000', and 5188'. Broke circulation at 3000' Continue circulating mud in pits with hot oil truck. Suction temp: 120 deg Trough Temp: 150 deg

Report Start Date	Report End Date	24hr Activity Summary
2/18/2014	2/19/2014	Run 5.5" casing from 5,188' to 19,452" then tag bottom. Fill pipe and break circulation then circulate bottoms up at 9 5/8" casing shoe.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
00:00	04:30	Run 5.5" P-110 20# BTC XP casing from 5188' to 8931 (90 joints run) with Kimsey Casing. Installed Marker joint at 6705' (between joint 159 and 160) Filled Casing at 6893' and 8930'. Broke circulation at 8930' Continue circulating mud in pits with hot oil truck. Suction temp: 120 deg Trough Temp: 150 deg
04:30	06:00	Circulate bottoms up 9 5/8" casing shoe at 7 BPM.
06:00	09:00	Run 5.5" P-110 20# BTC XP casing from 8,931' to 11,034' (262 joints run) with Kimsey Casing. Install last marker joint at 9,012'(between joint 248 and 249)
09:00	10:00	Install rotating head. Had to adjust BOP stack so Kimzey flush mounted slips would bite better on casing.
10:00	20:00	Run 5.5" P-110 20# BTC XP casing from 11,034' to 19,273' (457 joints run) with Kimsey Casing. Fill at 11,034',13,510', 15,818', 17,835' and 19,273 Break circulation at 13,510' and 19,273'
20:00	22:30	Break circulation at 19,273' well began making gas (3500 U) immediately upon circulation, put well on buster and staged Pumps up to 5 BPM then circulated 6000 strokes till gas subsided. Mud weight returns were gas cut back to 14.35 ppg but NO FLARE was witnessed. Check well for flow (NO FLOW after 4 minutes)
22:30	00:00	(JSA) Change out eelevators to 200 Ton and run 5.5" 20# BTC XP casing from 19,273' to 19,451' (462 Joints & 3 Pup jts. total Run) Pick up tag Joint and tag bottom with 98 K in Tension at 19474' at 23:40. Pull, break out and lay down Tag Joint.

Report Start Date	Report End Date	24hr Activity Summary
2/19/2014	2/20/2014	RIg up Rotating cement Head then rig down casers, break circulation and Circulate at 7 BPM while rotating casing at 10 RPM. HPJSM with HES. Rig up lines to floor. Pump 5 1/2" cement job. WOC for 4 hours. Check for Flow, ND BOP

Start Time	End Time	Comment
00:00	01:30	Rig down Kimzey casing bails and elevators. Rig up rig elevators. Pick up Rotating cement head. Install with torque turn.
01:30	05:30	Begin circulating, stage pumps up to 85 spm (298gpm, 7bpm) and rotate at 15rpm with 12 Kft-lbs. Finish rigging down Kimzey. Rig up HES cementers. During circulation string torqued up to max torque 20 Kft-lbs. Back RPMs down to 5 and pull string up to 19,438'. Torque came down to 10 Kft-lbs with 5rpm.
05:30	06:00	Rig Service.
06:00	06:30	Hold Pre-tour and Prejob safety meeting with NFX, HES, Pioneer, and peak. Continue criculating with 85spm and 5rpm with 10 Kft-lbs.
06:30	07:30	Rig up cement lines to RCH. Continue circulating and rotating pipe.

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
07:30	14:00	1.)Pump 10 bbls water through backside iron to test in-line equipment 2.)Pressure test cement lines to 6,500 psi hold pressure while testing N2 3.)Pressure test N2 lines to 7,500 psi (bleed off in reverse order) 4.)Pump 40 bbls of Tuned Spacer™ III with surfactant at 15.5 ppg – 5 bpm 5.)Pump 351 bbls (1398 sks) of TergoVis™ I – 4 bpm 1.)15.4 ppg, 1.41 ft3/sk, 7.43 gal/sk 6.)Pump 112 bbls (560 sks) of Conventional Lead Cement – 4 bpm 1.)15.4 ppg, 1.12 ft3/sk, 4.81 gal/sk 2.)Bring on foamer at 92 bbls away – 290 gal needed for job 3.)Bring on N2 at begining of foamed lead away – 88,000 scf needed for job plus cooldown 7.)Pump 342 bbls (1343 sks) of foamed lead – 4 bpm 1.)Mixed at 17.5 ppg, 1.43 ft3/sk, 4.99 gal/sk 2.)Foamed to 15.6 ppg, 1.59 ft3/sk 8.)Pump 15 bbls (60 sks) of unfoamed tail – 4 bpm 1.)17.5 ppg, 1.43 ft3/sk, 4.99 gal/sk 9.)Shutdown, wash up to peak three sided tanks, drop plug 10.)Pump 10 bbls of MMCR+Cla-Web Water – 5 bpm 11.)Pump 418 bbls of Cla-Web Water at 4-8 bpm 1.) Full returns throughout cement job. 2.) Pressure climbed to 4,500psi with 2.8bpm at 160bbls into displacemen.. Raised max pressure to 5,500psi. 3.) Pressure continued to climb and was at 5,300psi with at 200bbls away. Raised max pressure to 6,000psi 4.) Pressure held through rest of job at 5,500psi. Increased to 5 bpm with 330bbls away. 2.) All of spacer and 65bbls turgovis back to surface. 3.) Slowed down last 20 bbls of displacement to 4bpm. 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
14:00	19:00	Wait on cement for 4 hours. Pressure built up to 800psi over 2 hours. bled to 475psi. Presssure built up to 800psi in 30 minutes. Bled off to 500psi. Built up to 617psi in 30mins. Bleed all the way down and open annular. 30min flow check. No flow.
19:00	20:30	Start Cleanning Pits, Hookup Kill line & Wash thru Stack, Gasbuster, Choke & Mud Lines w/ Diesel & Water. Blow thru Stack & Mud Lines with air to prevent freezing.
20:30	00:00	Remove Sub Doors, Suck out Catch pan & Remove pan, Remove Choke line, Kill Line, Snub Lines & Flow Line, Remove cellar covers & Remove Koomy Lines.

Report Start Date	Report End Date	24hr Activity Summary
2/20/2014	2/21/2014	ND BOPE. Install slips. Final Cut 5 1/2" casing. Lay over BOP. Pick up and install tubing head and frac valve. Lay down cut joint and RCH. LDDP out of derrick. Clean pits.

Start Time	End Time	Comment
00:00	05:30	Break Bolts on stack, Pick BOPE stack up with BOPE handler. Set slips on 5 1/2" casing w/140,000 # on hanger. Made rough cut on casing and break off GFI rotating cement head.
05:30	06:00	Rig Service

NEWFIELD

Summary Rig Activity

Well Name: Jorgensen 2-4-9-3-2WH

Start Time	End Time	Comment
06:00	13:00	Continue to Cleaning Pits, Set Slips @ 140k to energize. Cut off Csg.Break out RCH and cut casing. Lay down both. Lay over BOPE . Make final cut to casing. PGSM W/ Cameron & Crews, install wellhead & Frac valve, torque bolts & Test Wellhead to 8100 psi test ok.
13:00	17:30	PJSM W/ rig crew on LDDP in Derrick LD using Mouse hole. Continue cleaning mud pits.
17:30	18:00	Rig Service
18:00	00:00	PJSM W/ rig crew on LDDP in Derrick LD using Mouse hole. RD by Hand, Continue cleaning mud pits. Finished pit cleaning @ 20:00 Hrs

Report Start Date	Report End Date	24hr Activity Summary
2/21/2014	2/21/2014	LDDP in Mouse Hole,

Start Time	End Time	Comment
00:00	13:00	Lay down drill pipe, (In Mouse Hole) Release rig @ 13:00 hrs 2/21/14, While moving camps & misc. to Aubrey A1-15-22-3-2 WH. Held Safety Meerting W/ JD, Pioneer, NFX, Peak, & Mountain West (Final Report)

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: Jorgensen 2-4-9-3-2WH

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521070000

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:
0231 FNL 1360 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 04 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 11/29/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Form 7

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 form 7 for the above mentioned well.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Heather Calder	435 646-4936	Production Technician
SIGNATURE		**DATE**
N/A		1/22/2016

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

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Jorgensen 2-4-9-3-2WH

API number: 4301352107

Well Location: QQ NENW Section 16 Township 3S Range 3W County Duchesne

Well operator: Newfield Production Company

Address: Route #3 Box 3630

city Myton state Ut zip 84052 Phone: (435) 646-3721

Drilling contractor: Pete Martin Drilling

Address: 1285 East 335 South

city Vernal state UT zip 84078 Phone: (435) 789-7015

Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
510		1,050	Fresh

Formation tops: (Top to Bottom)

1 See Completion Repor	2	3
4	5	6
7	8	9
10	11	12

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Heather Calder TITLE Regulatory Associate

SIGNATURE Heather Calder DATE 1/22/2016

(5/2000)