API Well Number: 43013521080000

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
Patterson 4-9-3-3WH-W15

2. TYPE OF WORK
DRILL NEW WELL ■ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
WILDCAT

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
14-20-H62-6246

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ■ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ■ STATE ○ FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
Ute - Heirs of Earl Patterson

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	248 FNL 1073 FWL	NWNW	9	3.0 S	3.0 W	U
Top of Uppermost Producing Zone	660 FNL 660 FWL	NWNW	9	3.0 S	3.0 W	U
At Total Depth	660 FSL 660 FWL	SWSW	9	3.0 S	3.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
248

23. NUMBER OF ACRES IN DRILLING UNIT
40

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
30

26. PROPOSED DEPTH
MD: 14264 TVD: 9744

27. ELEVATION - GROUND LEVEL
5456

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	Hi Lift "G"	57	1.17	15.8
SURF	17.5	13.375	0 - 1000	54.0	J-55 LT&C	8.3	Type III	120	3.33	11.0
							Type III	210	1.9	13.0
I1	12.25	9.625	0 - 7400	40.0	N-80 Buttress	9.5	35/65 Poz	653	3.53	11.0
							50/50 Poz	279	1.29	14.0
PROD	8.75	5.5	0 - 14264	20.0	P-110 Other	13.0	50/50 Poz	720	3.53	13.0
							50/50 Poz	1243	1.29	14.0

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
43013521080000

APPROVAL
Permit Manager

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RECEIVED: April 09, 2013

Newfield Production Company
4-9-3-3WH-W15
Surface Hole Location: 248' FNL, 1073' FWL, Section 9, T3S, R3W
Bottom Hole Location: 660' FSL, 660' FWL, Section 9, T3S, R3W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	Surface	
Green River	4,042'	
Garden Gulch member	6,966'	
Wasatch	9,488'	
Lateral TD	9,744' TVD /	14,264' MD

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

Base of moderately saline	1,113'	(water)
Green River	6,966' - 9,488'	(oil)
Wasatch	9,488' - 14,264'	(oil)

3. Pressure Control

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

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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	0'	60'	--	--	Weld	--	--	--	--	--	--
20									--	--	--
Surface	0'	1,000'	54	J-55	LTC	8.33	8.33	12	2,730	1,130	514,000
13 3/8									4.87	3.55	9.52
Intermediate	0'	7,400'	40	N-80	BTC	9	9.5	15	5,750	3,090	630,000
9 5/8									1.95	1.69	2.13
Production Casing	0'	9,744' 14,264'	20	P-110	Tenaris Blue	12.5	13	--	12,640	11,080	641,000
5 1/2									1.66	1.35	3.29

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Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Intermediate casing MASP = (frac gradient + 1.0 PPG) - (water gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
Intermediate collapse calculations assume lost returns and casing half evacuated.
Production collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.115 psi/ft

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

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / 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	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399 / 210	15%	13.0	1.9
Intermediate Lead	12 1/4	6,400'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	2305 / 653	15%	11.0	3.53
Intermediate Tail	12 1/4	1,000'	50/50 Poz/Class G + 1% bentonite	360 / 279	15%	14.0	1.29
Production Lead	8 3/4	8,744'	50/50 Poz/Class G + 1% bentonite (foamed with nitrogen to 12.5 ppg)	2540 / 720	15%	13.0	3.53
Production Tail	8 3/4	5,520'	50/50 Poz/Class G + 1% bentonite	1604 / 1243	15%	14.0	1.29

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

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

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

6. Type and Characteristics of Proposed Circulating Medium

Interval **Description**

Surface - 1,000'

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

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1,000' - 7,400' 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 9.5 ppg.

7,400' - 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).

Anticipated maximum mud weight is 13.0 ppg.

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7. Logging, Coring, and Testing

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

Cores: As deemed necessary.

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

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total vertical depth multiplied by a 0.65 psi/ft gradient.

9,744' x 0.65 psi/ft = 6334 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 9,430' .
Directional tools will then be used to build to 92.64 degrees inclination.
The lateral will be drilled to the bottomhole location shown on the plat.
A 5.5" Longstring will be run and cemented in place.

Newfield requests the following variances from Onshore Order #2:
- Variance from Onshoer Order #2, III.E.1
  Refer to Newfield Production Company Standard Operating Practices "Ute Tribal

RECEIVED: March 21, 2013

Green River Development Program" paragraph 9.0

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

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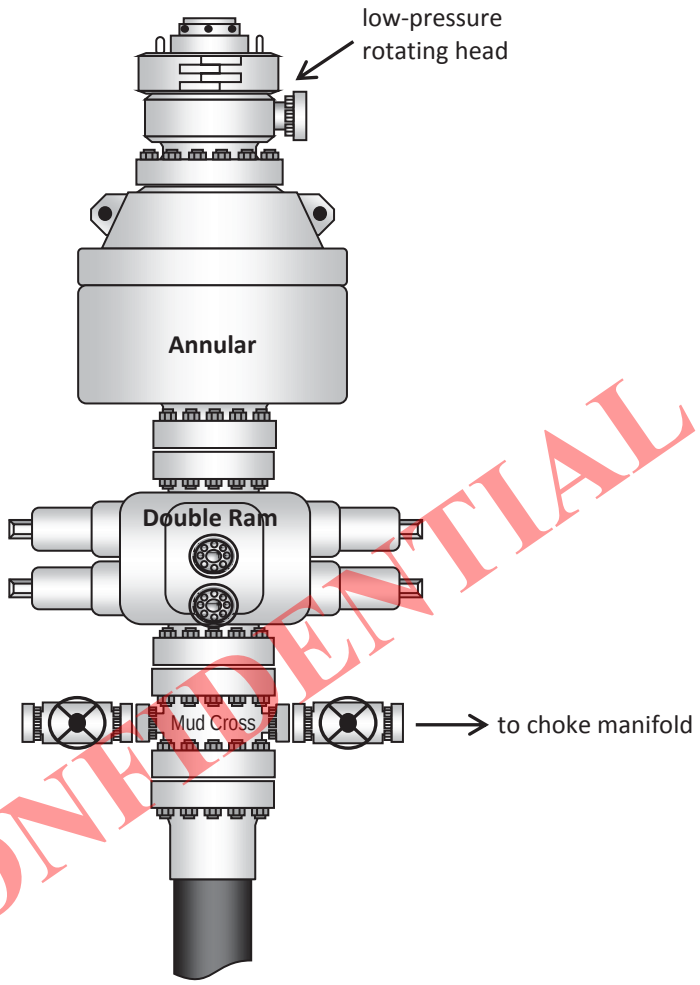
RECEIVED: March 21, 2013

Typical 5M BOP stack configuration



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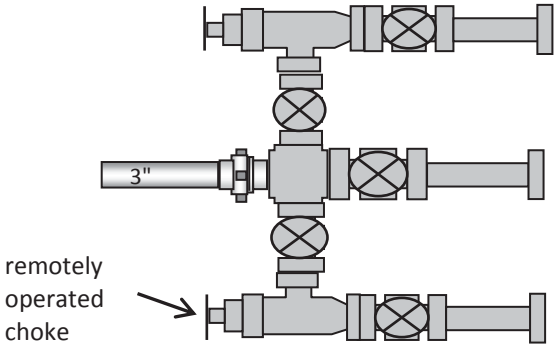
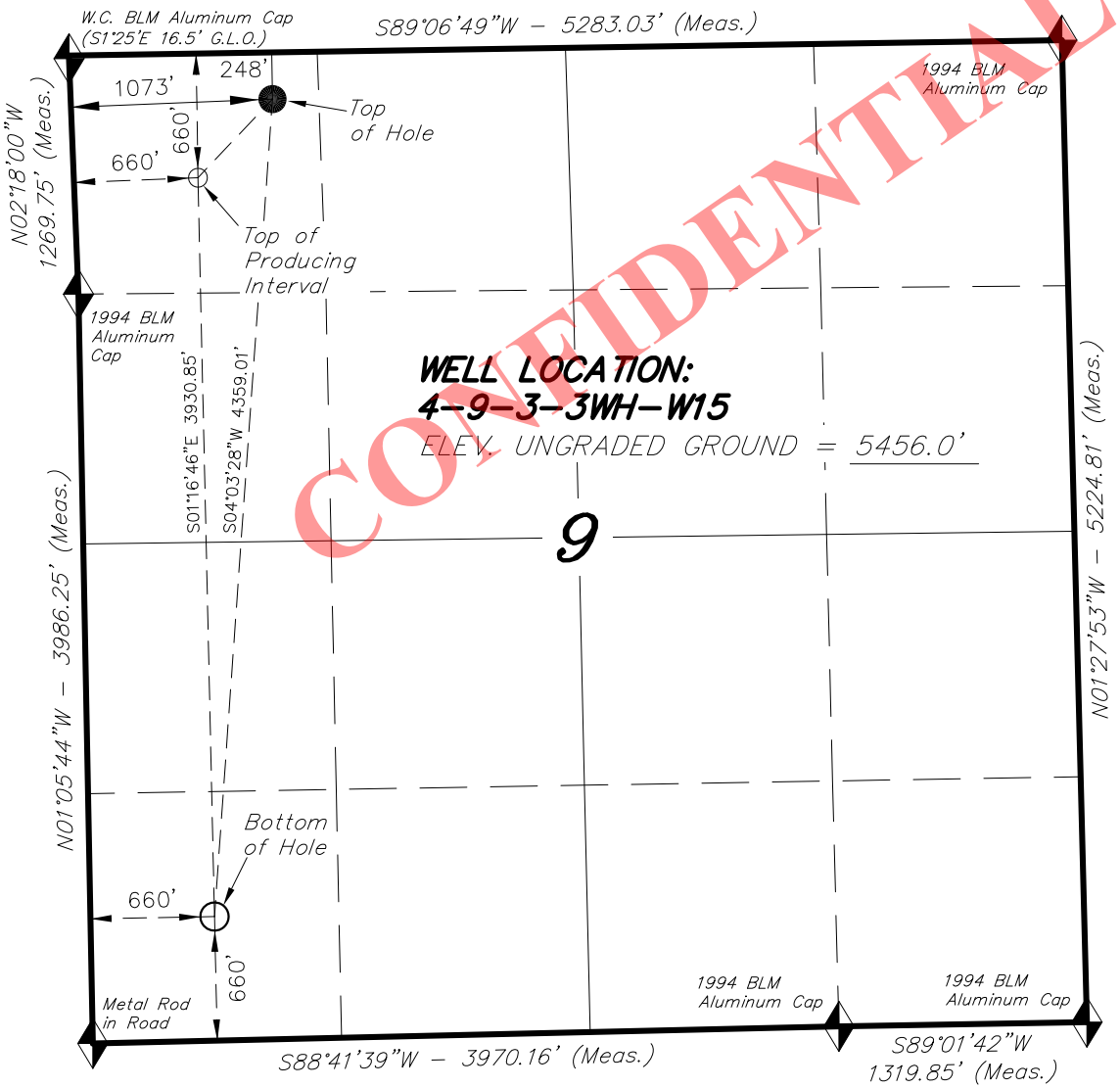
Typical 5M choke manifold configuration



RECEIVED: March 21, 2013

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

NEWFIELD EXPLORATION COMPANY



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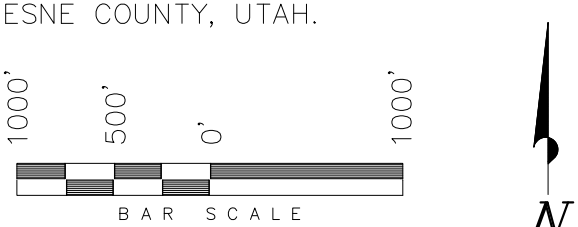
WELL LOCATION, 4-9-3-3WH-W15, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 9, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 4-9-3-3WH-W15, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 9, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. *Well footages are measured at right angles to the Section Lines.*
2. *Bearings are based on Global Positioning Satellite observations.*
3. *The Top of Producing Interval bears S43°27'11"W 576.11' 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 02-21-13 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

= SECTION CORNERS LOCATED

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

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°14'34.41" LONGITUDE = 110°14'01.19"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°14'34.56" LONGITUDE = 110°13'58.64"

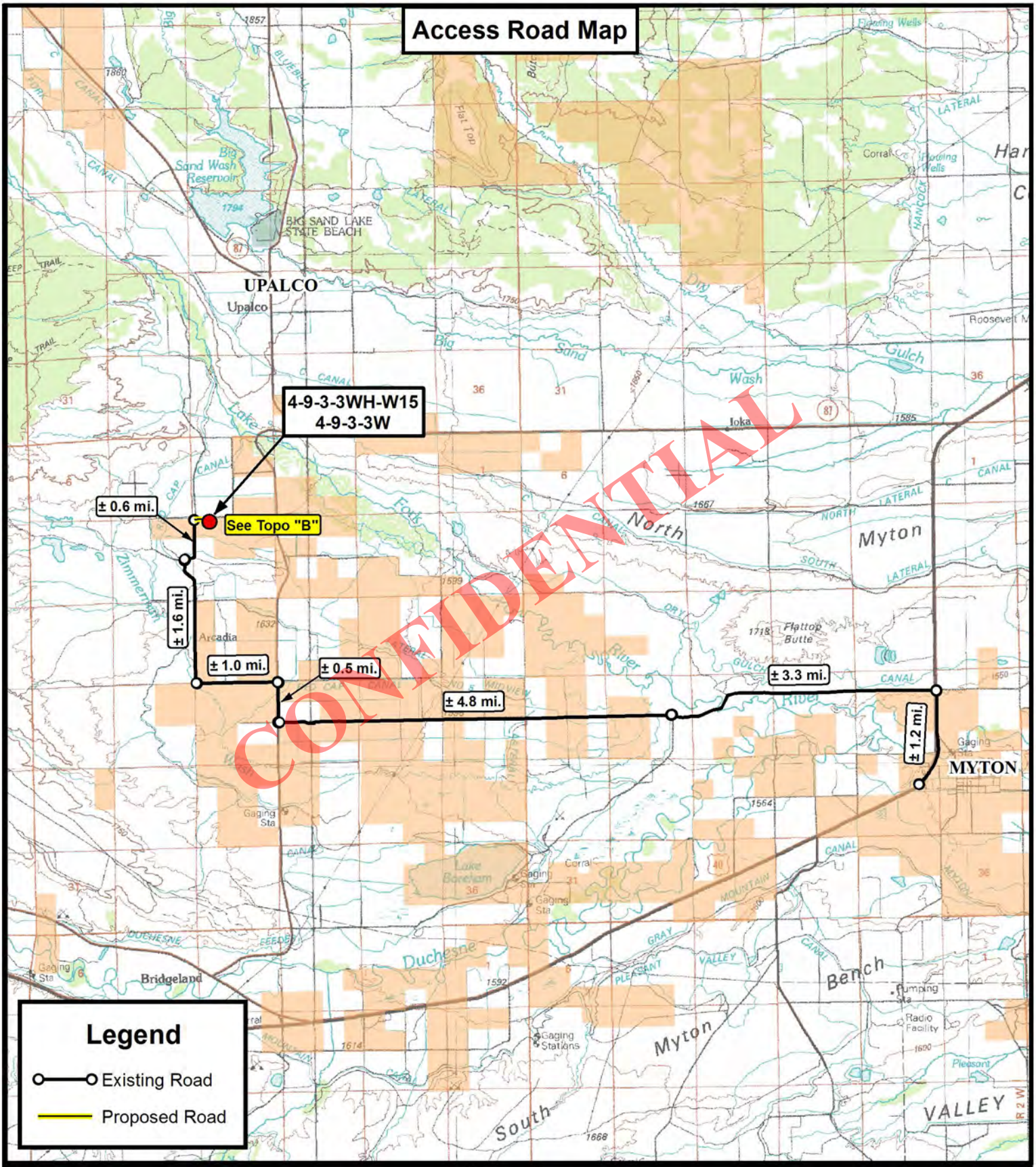
NAD 83 (TOP OF PROD. INTERVAL)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°14'30.33" LONGITUDE = 110°14'06.37"	LATITUDE = 40°13'51.50" LONGITUDE = 110°14'05.96"
NAD 27 (TOP OF PROD. INTERVAL)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°14'30.49" LONGITUDE = 110°14'03.82"	LATITUDE = 40°13'51.65" LONGITUDE = 110°14'03.41"

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

DATE SURVEYED: 08-06-12	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 01-25-12	DRAWN BY: M.W.	V4
REVISED: 02-21-13 V.H.	SCALE: 1" = 1000'	

RECEIVED: March 21, 2013

API Well Number: 43013521080000



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

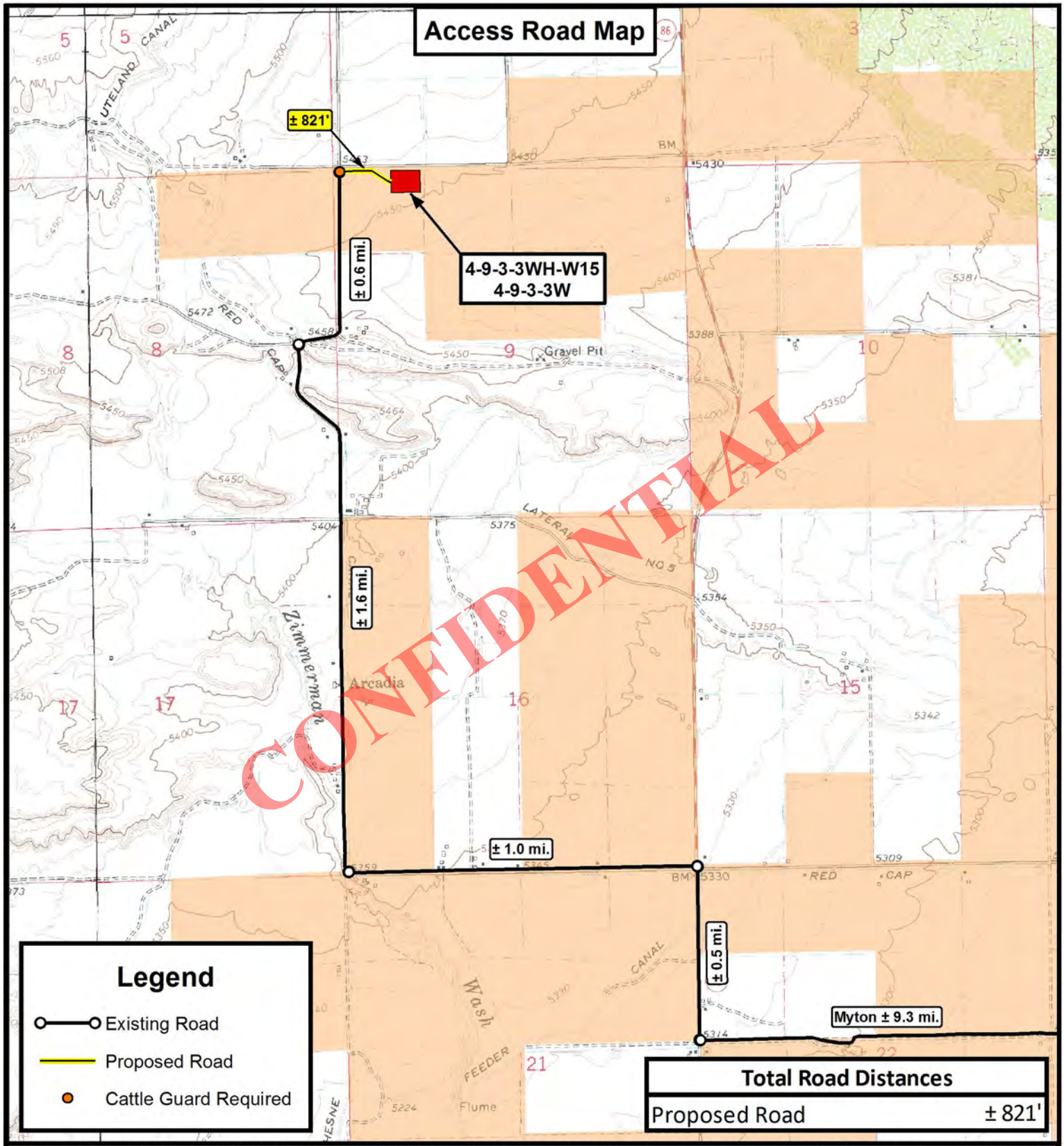
N

NEWFIELD EXPLORATION COMPANY

4-9-3-3WH-W15
4-9-3-3W
SEC. 9, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 02-21-13 D.C.R.	VERSION:	TOPOGRAPHIC MAP
DATE: 01-26-2012		V4	SHEET A
SCALE: 1:100,000			

API Well Number: 43013521080000



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

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F: (435) 781-2518

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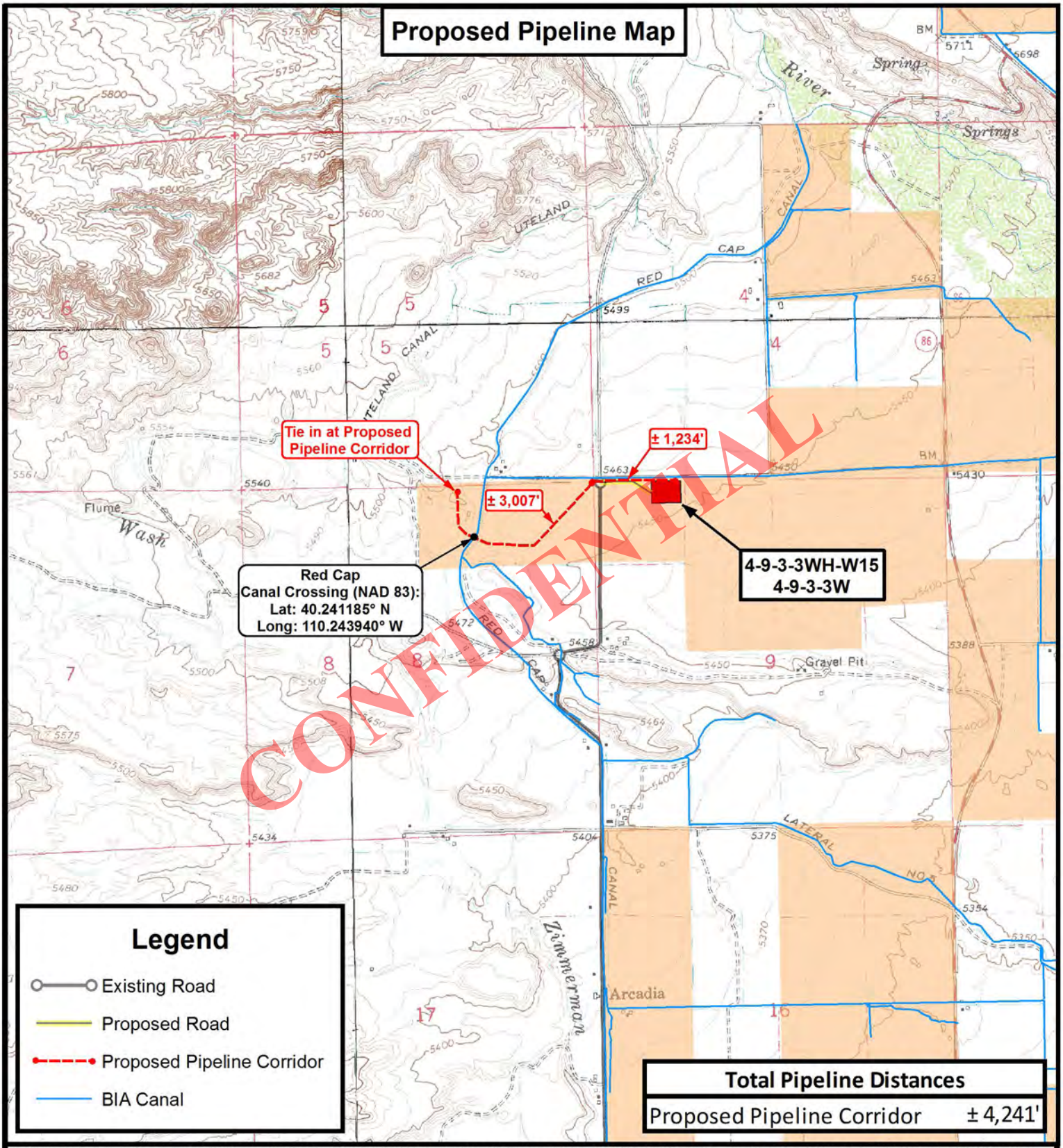
NEWFIELD EXPLORATION COMPANY
4-9-3-3WH-W15
4-9-3-3W
SEC. 9, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 02-21-13 D.C.R.	VERSION:	TOPOGRAPHIC MAP
DATE: 01-26-2012		V4	SHEET B
SCALE: 1 " = 2,000 '			

API Well Number: 43013521080000

Proposed Pipeline Map



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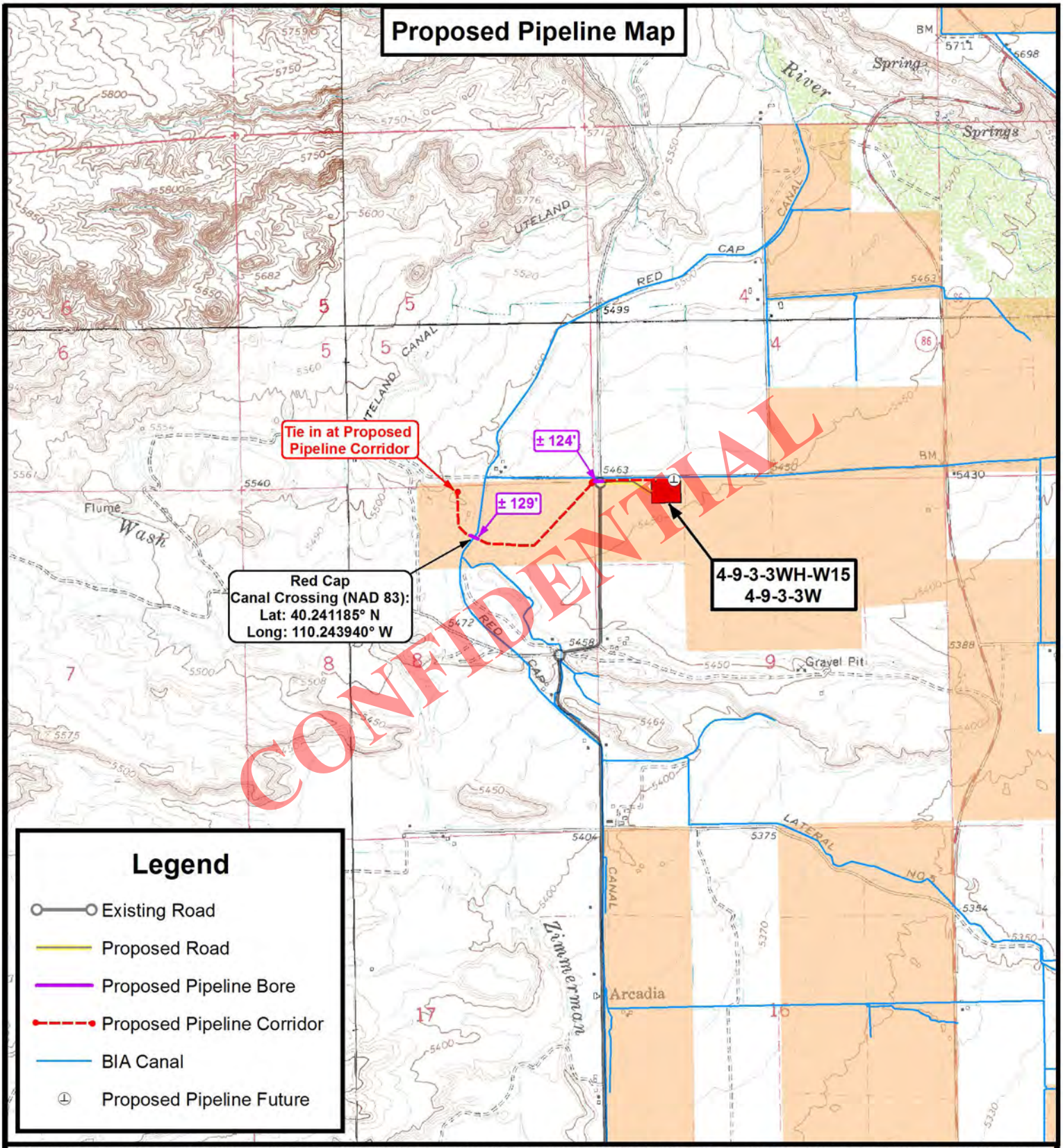
NEWFIELD EXPLORATION COMPANY
4-9-3-3WH-W15
4-9-3-3W
SEC. 9, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED: 02-21-13 D.C.R.	VERSION:
DATE:	01-26-2012		V4
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C1

API Well Number: 43013521080000



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N

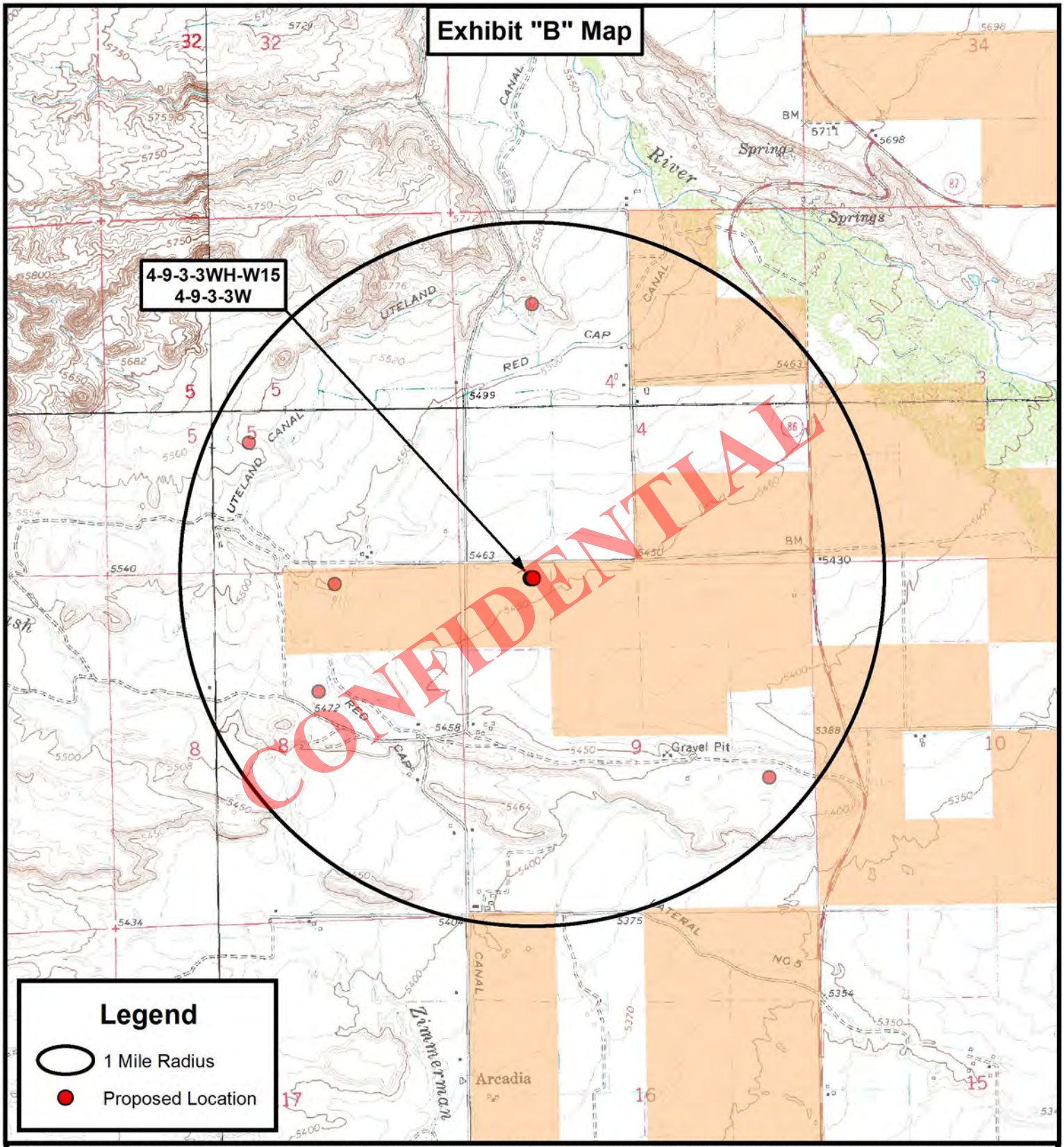
NEWFIELD EXPLORATION COMPANY
4-9-3-3WH-W15
4-9-3-3W
SEC. 9, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 02-21-13 D.C.R.	VERSION:	
DATE: 01-26-2012		V4	
SCALE: 1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET C2

API Well Number: 43013521080000



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N

NEWFIELD EXPLORATION COMPANY
4-9-3-3WH-W15
4-9-3-3W
SEC. 9, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 02-21-13 D.C.R.	VERSION:	
DATE: 01-26-2012		V4	TOPOGRAPHIC MAP
SCALE: 1 " = 2,000 '			SHEET D

CONFIDENTIAL

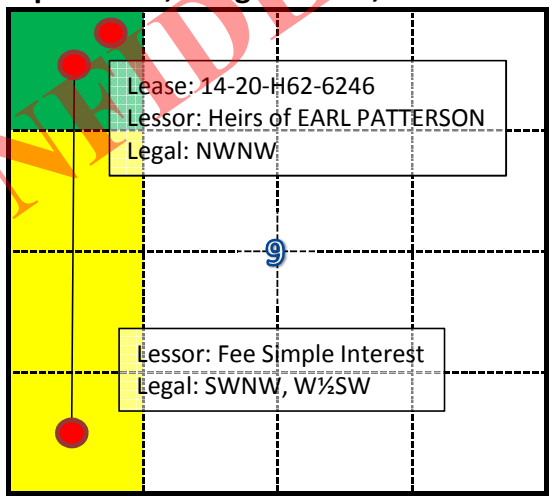
Patterson 4-9-3-3WH-W15

SHL 248' FNL & 1073' FWL

Top of Producing Interval 660' FNL & 660' FWL

BHL 660' FSL & 660' FWL

Township 3 South, Range 3 West, Section 9: W½W½



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Newfield Exploration Company

Duchesne County, UT
Sec. 9-T3S-R3W
4-9-3-3WH-W15

Plan A Permit

Plan: Plan A Rev 1 Proposal - Permit Only

CONFIDENTIAL

Sperry Drilling Services

Proposal Report

14 February, 2013

Well Coordinates: 7,259,762.08 N, 1,993,917.64 E (40° 14' 35.00" N, 110° 14' 00.93" W)
Ground Level: 5,457.30 ft

Local Coordinate Origin:	Centered on Well 4-9-3-3WH-W15
Viewing Datum:	RKB 18' @ 5475.30ft (Unknown Rig)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied
Version: 2003.16 Build: 43I

HALLIBURTON

RECEIVED: March 21, 2013

API Well Number: 43013521080000

Project: Duchesne County, UT
Site: Sec. 9-T3S-R3W
Well: 4-9-3-3WH-W15
Wellbore: Plan A Permit
Design: Plan A Rev 1 Proposal - Permit Only

Newfield Exploration Company

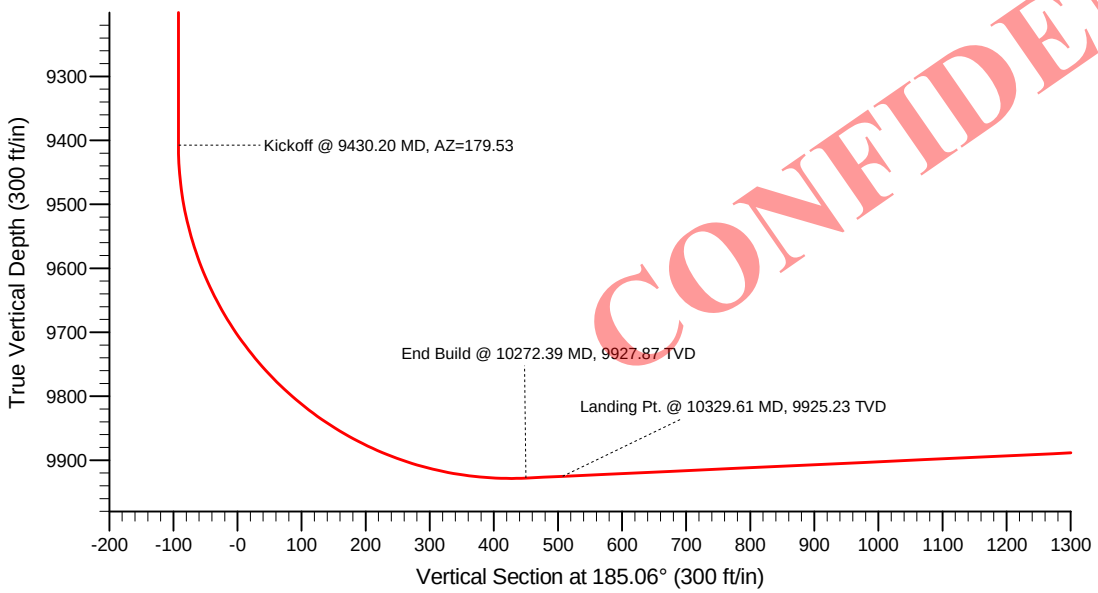
HALLIBURTON
Sperry Drilling

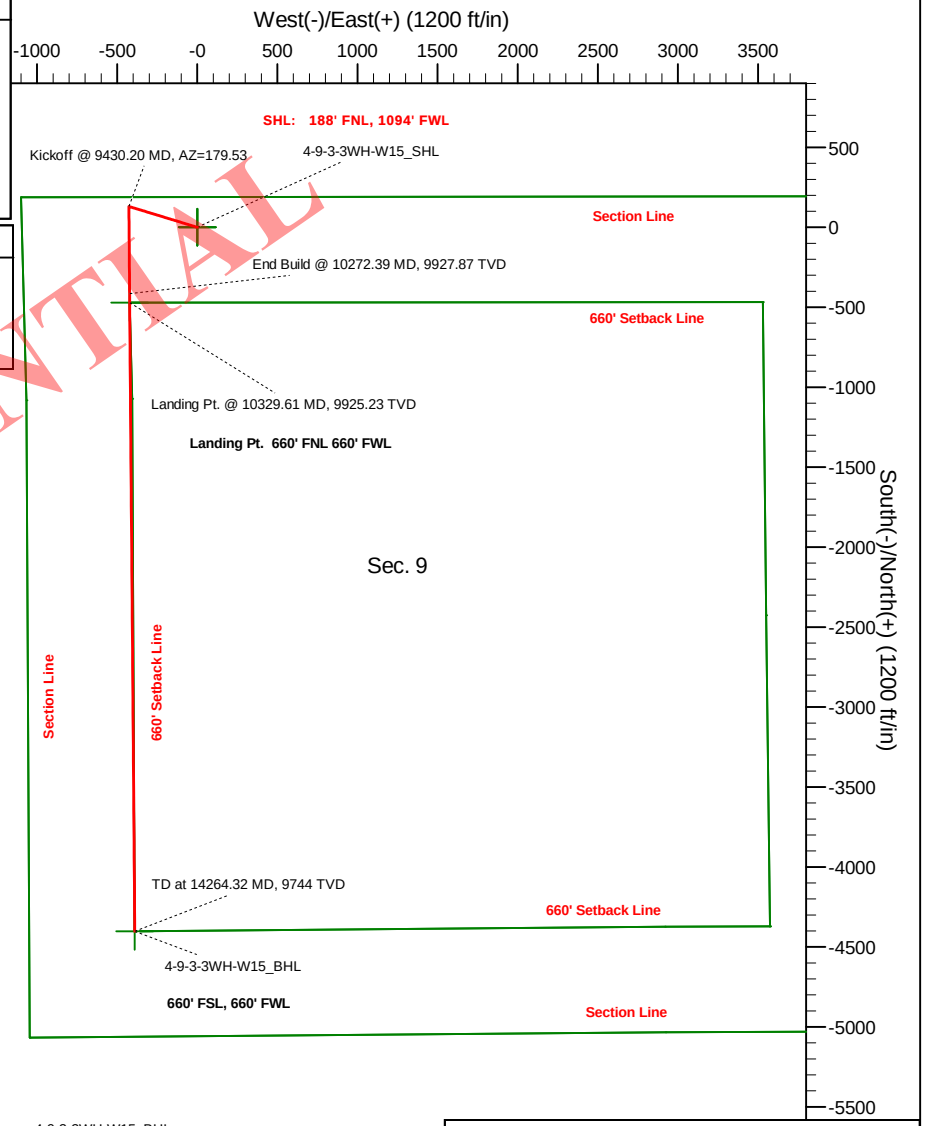
SECTION DETAILS

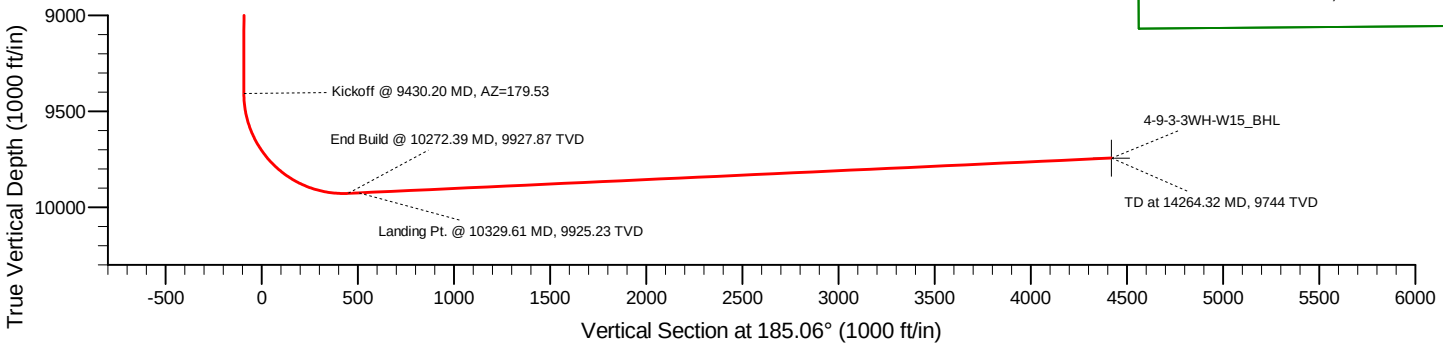
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
2	4500.00	0.000	0.000	4500.00	0.00	0.00	0.00	0.00	0.00	
3	4900.00	6.000	287.000	4899.27	6.12	-20.01	1.50	287.00	-4.33	
4	8768.50	6.000	287.000	8746.58	124.34	-406.71	0.00	0.00	-87.95	
5	9168.50	0.000	0.000	9145.85	130.46	-426.72	1.50	180.00	-92.28	
6	9430.20	0.000	0.000	9407.55	130.46	-426.72	0.00	0.00	-92.28	
7	10272.39	92.640	179.537	9927.87	-414.38	-422.32	11.00	179.54	450.05	
8	10329.61	92.640	179.537	9925.23	-471.54	-421.86	0.00	0.00	506.94	4-9-3-3WH-W15_Casing Point
9	14264.32	92.640	179.537	9744.00	-4401.95	-390.09	0.00	0.00	4419.20	4-9-3-3WH-W15_BHL

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
4-9-3-3WH-W15_Casing Point	0.00	-471.54	-421.86	7259284.65	1993502.53	40° 14' 30.340 N	110° 14' 6.370 W	Point
4-9-3-3WH-W15_Section Lines	0.00	0.00	0.00	7259762.08	1993917.64	40° 14' 35.000 N	110° 14' 0.930 W	Polygon
4-9-3-3WH-W15_Setback Lines	0.00	0.00	0.00	7259762.08	1993917.64	40° 14' 35.000 N	110° 14' 0.930 W	Polygon
4-9-3-3WH-W15_SHL	0.00	0.02	0.00	7259762.10	1993917.64	40° 14' 35.000 N	110° 14' 0.930 W	Point
4-9-3-3WH-W15_BHL	9744.00	-4401.94	-390.13	7255355.39	1993589.91	40° 13' 51.500 N	110° 14' 5.960 W	Point







WELL DETAILS: 4-9-3-3WH-W15

Ground Level: 5457.30

Northing	Easting	Latitude	Longitude
7259762.08	1993917.64	40° 14' 35.000 N	110° 14' 0.930 W

Plan A Rev 1 Proposal (4-9-3-3WH-W15)

Created By: Ryan Sprague Date: 02/14/2013

Checked: _____ Date: _____

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RECEIVED: March 21, 2013

Plan Report for 4-9-3-3WH-W15 - Plan A Rev 1 Proposal - Permit Only

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-9-3-3WH-W15_Casing Point										
100.00	0.000	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.000	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.000	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.000	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.000	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.000	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.000	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.000	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.000	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.000	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.000	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.000	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.000	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.000	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.000	0.000	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.000	0.000	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.000	0.000	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.000	0.000	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.000	0.000	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.000	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.000	0.000	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.000	0.000	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.000	0.000	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.000	0.000	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.000	0.000	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.000	0.000	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.000	0.000	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.000	0.000	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.000	0.000	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.000	0.000	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.000	0.000	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.000	0.000	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.000	0.000	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.000	0.000	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.000	0.000	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.000	0.000	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.000	0.000	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.000	0.000	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.000	0.000	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.000	0.000	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.000	0.000	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.000	0.000	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.000	0.000	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.000	0.000	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.000	0.000	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	1.500	287.000	4,599.99	0.38	-1.25	-0.27	1.50	1.50	0.00	287.00
4,700.00	3.000	287.000	4,699.91	1.53	-5.01	-1.08	1.50	1.50	0.00	0.00
4,800.00	4.500	287.000	4,799.69	3.44	-11.26	-2.44	1.50	1.50	0.00	0.00
4,900.00	6.000	287.000	4,899.27	6.12	-20.01	-4.33	1.50	1.50	0.00	0.00
5,000.00	6.000	287.000	4,998.72	9.17	-30.01	-6.49	0.00	0.00	0.00	0.00
5,100.00	6.000	287.000	5,098.17	12.23	-40.00	-8.65	0.00	0.00	0.00	0.00
5,200.00	6.000	287.000	5,197.63	15.29	-50.00	-10.81	0.00	0.00	0.00	0.00
5,300.00	6.000	287.000	5,297.08	18.34	-59.99	-12.97	0.00	0.00	0.00	0.00
5,400.00	6.000	287.000	5,396.53	21.40	-69.99	-15.14	0.00	0.00	0.00	0.00
5,500.00	6.000	287.000	5,495.98	24.45	-79.99	-17.30	0.00	0.00	0.00	0.00
5,600.00	6.000	287.000	5,595.43	27.51	-89.98	-19.46	0.00	0.00	0.00	0.00

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RECEIVED: March 21, 2013

Plan Report for 4-9-3-3WH-W15 - Plan A Rev 1 Proposal - Permit Only

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
5,700.00	6.000	287.000	5,694.89	30.57	-99.98	-21.62	0.00	0.00	0.00	0.00
5,800.00	6.000	287.000	5,794.34	33.62	-109.98	-23.78	0.00	0.00	0.00	0.00
5,900.00	6.000	287.000	5,893.79	36.68	-119.97	-25.94	0.00	0.00	0.00	0.00
6,000.00	6.000	287.000	5,993.24	39.74	-129.97	-28.11	0.00	0.00	0.00	0.00
6,100.00	6.000	287.000	6,092.70	42.79	-139.96	-30.27	0.00	0.00	0.00	0.00
6,200.00	6.000	287.000	6,192.15	45.85	-149.96	-32.43	0.00	0.00	0.00	0.00
6,300.00	6.000	287.000	6,291.60	48.90	-159.96	-34.59	0.00	0.00	0.00	0.00
6,400.00	6.000	287.000	6,391.05	51.96	-169.95	-36.75	0.00	0.00	0.00	0.00
6,500.00	6.000	287.000	6,490.50	55.02	-179.95	-38.92	0.00	0.00	0.00	0.00
6,600.00	6.000	287.000	6,589.96	58.07	-189.94	-41.08	0.00	0.00	0.00	0.00
6,700.00	6.000	287.000	6,689.41	61.13	-199.94	-43.24	0.00	0.00	0.00	0.00
6,800.00	6.000	287.000	6,788.86	64.18	-209.94	-45.40	0.00	0.00	0.00	0.00
6,900.00	6.000	287.000	6,888.31	67.24	-219.93	-47.56	0.00	0.00	0.00	0.00
7,000.00	6.000	287.000	6,987.77	70.30	-229.93	-49.72	0.00	0.00	0.00	0.00
7,100.00	6.000	287.000	7,087.22	73.35	-239.92	-51.89	0.00	0.00	0.00	0.00
7,200.00	6.000	287.000	7,186.67	76.41	-249.92	-54.05	0.00	0.00	0.00	0.00
7,300.00	6.000	287.000	7,286.12	79.46	-259.92	-56.21	0.00	0.00	0.00	0.00
7,400.00	6.000	287.000	7,385.57	82.52	-269.91	-58.37	0.00	0.00	0.00	0.00
7,500.00	6.000	287.000	7,485.03	85.58	-279.91	-60.53	0.00	0.00	0.00	0.00
7,600.00	6.000	287.000	7,584.48	88.63	-289.91	-62.69	0.00	0.00	0.00	0.00
7,700.00	6.000	287.000	7,683.93	91.69	-299.90	-64.86	0.00	0.00	0.00	0.00
7,800.00	6.000	287.000	7,783.38	94.75	-309.90	-67.02	0.00	0.00	0.00	0.00
7,900.00	6.000	287.000	7,882.84	97.80	-319.89	-69.18	0.00	0.00	0.00	0.00
8,000.00	6.000	287.000	7,982.29	100.86	-329.89	-71.34	0.00	0.00	0.00	0.00
8,100.00	6.000	287.000	8,081.74	103.91	-339.89	-73.50	0.00	0.00	0.00	0.00
8,200.00	6.000	287.000	8,181.19	106.97	-349.88	-75.66	0.00	0.00	0.00	0.00
8,300.00	6.000	287.000	8,280.64	110.03	-359.88	-77.83	0.00	0.00	0.00	0.00
8,400.00	6.000	287.000	8,380.10	113.08	-369.87	-79.99	0.00	0.00	0.00	0.00
8,500.00	6.000	287.000	8,479.55	116.14	-379.87	-82.15	0.00	0.00	0.00	0.00
8,600.00	6.000	287.000	8,579.00	119.19	-389.87	-84.31	0.00	0.00	0.00	0.00
8,700.00	6.000	287.000	8,678.45	122.25	-399.86	-86.47	0.00	0.00	0.00	0.00
8,768.50	6.000	287.000	8,746.58	124.34	-406.71	-87.95	0.00	0.00	0.00	0.00
8,800.00	5.527	287.000	8,777.92	125.27	-409.74	-88.61	1.50	-1.50	0.00	180.00
8,900.00	4.027	287.000	8,877.57	127.70	-417.70	-90.33	1.50	-1.50	0.00	180.00
9,000.00	2.527	287.000	8,977.40	129.38	-423.17	-91.51	1.50	-1.50	0.00	180.00
9,100.00	1.027	287.000	9,077.35	130.28	-426.13	-92.15	1.50	-1.50	0.00	180.00
9,168.50	0.000	0.000	9,145.85	130.46	-426.72	-92.28	1.50	-1.50	0.00	180.00
9,200.00	0.000	0.000	9,177.35	130.46	-426.72	-92.28	0.00	0.00	0.00	0.00
9,300.00	0.000	0.000	9,277.35	130.46	-426.72	-92.28	0.00	0.00	0.00	0.00
9,400.00	0.000	0.000	9,377.35	130.46	-426.72	-92.28	0.00	0.00	0.00	0.00
9,430.20	0.000	0.000	9,407.55	130.46	-426.72	-92.28	0.00	0.00	0.00	0.00
Kickoff @ 9430.20 MD, AZ=179.53										
9,450.00	2.178	179.537	9,427.34	130.09	-426.72	-91.91	11.00	11.00	0.00	179.54
9,500.00	7.678	179.537	9,477.14	125.79	-426.68	-87.63	11.00	11.00	0.00	0.00
9,550.00	13.178	179.537	9,526.29	116.75	-426.61	-78.63	11.00	11.00	0.00	0.00
9,600.00	18.678	179.537	9,574.36	103.03	-426.50	-64.98	11.00	11.00	0.00	0.00
9,650.00	24.178	179.537	9,620.88	84.77	-426.35	-46.80	11.00	11.00	0.00	0.00
9,700.00	29.678	179.537	9,665.44	62.14	-426.17	-24.27	11.00	11.00	0.00	0.00
9,750.00	35.178	179.537	9,707.63	35.34	-425.95	2.40	11.00	11.00	0.00	0.00
9,800.00	40.678	179.537	9,747.05	4.62	-425.70	32.98	11.00	11.00	0.00	0.00
9,850.00	46.178	179.537	9,783.35	-29.74	-425.43	67.18	11.00	11.00	0.00	0.00
9,900.00	51.678	179.537	9,816.19	-67.42	-425.12	104.68	11.00	11.00	0.00	0.00
9,950.00	57.178	179.537	9,845.27	-108.07	-424.79	145.15	11.00	11.00	0.00	0.00
10,000.00	62.678	179.537	9,870.31	-151.32	-424.44	188.20	11.00	11.00	0.00	0.00
10,050.00	68.178	179.537	9,891.10	-196.78	-424.08	233.44	11.00	11.00	0.00	0.00
10,100.00	73.678	179.537	9,907.43	-244.01	-423.69	280.46	11.00	11.00	0.00	0.00
10,150.00	79.178	179.537	9,919.16	-292.59	-423.30	328.82	11.00	11.00	0.00	0.00
10,200.00	84.678	179.537	9,926.18	-342.08	-422.90	378.08	11.00	11.00	0.00	0.00
10,250.00	90.178	179.537	9,928.42	-392.01	-422.50	427.77	11.00	11.00	0.00	0.00

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Plan Report for 4-9-3-3WH-W15 - Plan A Rev 1 Proposal - Permit Only

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
10,272.39	92.640	179.537	9,927.87	-414.39	-422.32	450.05	11.00	11.00	0.00	0.00
End Build @ 10272.39 MD, 9927.87 TVD										
10,300.00	92.640	179.537	9,926.60	-441.97	-422.09	477.50	0.00	0.00	0.00	0.00
10,329.61	92.640	179.537	9,925.23	-471.55	-421.86	506.95	0.00	0.00	0.00	0.00
Landing Pt. @ 10329.61 MD, 9925.23 TVD										
10,400.00	92.640	179.537	9,921.99	-541.86	-421.29	576.93	0.00	0.00	0.00	0.00
10,500.00	92.640	179.537	9,917.38	-641.75	-420.48	676.36	0.00	0.00	0.00	0.00
10,600.00	92.640	179.537	9,912.78	-741.64	-419.67	775.79	0.00	0.00	0.00	0.00
10,700.00	92.640	179.537	9,908.17	-841.53	-418.87	875.22	0.00	0.00	0.00	0.00
10,800.00	92.640	179.537	9,903.57	-941.42	-418.06	974.65	0.00	0.00	0.00	0.00
10,900.00	92.640	179.537	9,898.96	-1,041.31	-417.25	1,074.08	0.00	0.00	0.00	0.00
11,000.00	92.640	179.537	9,894.35	-1,141.20	-416.44	1,173.51	0.00	0.00	0.00	0.00
11,100.00	92.640	179.537	9,889.75	-1,241.09	-415.64	1,272.94	0.00	0.00	0.00	0.00
11,200.00	92.640	179.537	9,885.14	-1,340.98	-414.83	1,372.37	0.00	0.00	0.00	0.00
11,300.00	92.640	179.537	9,880.54	-1,440.87	-414.02	1,471.80	0.00	0.00	0.00	0.00
11,400.00	92.640	179.537	9,875.93	-1,540.76	-413.22	1,571.23	0.00	0.00	0.00	0.00
11,500.00	92.640	179.537	9,871.32	-1,640.65	-412.41	1,670.66	0.00	0.00	0.00	0.00
11,600.00	92.640	179.537	9,866.72	-1,740.55	-411.60	1,770.09	0.00	0.00	0.00	0.00
11,700.00	92.640	179.537	9,862.11	-1,840.44	-410.79	1,869.52	0.00	0.00	0.00	0.00
11,800.00	92.640	179.537	9,857.51	-1,940.33	-409.99	1,968.94	0.00	0.00	0.00	0.00
11,900.00	92.640	179.537	9,852.90	-2,040.22	-409.18	2,068.37	0.00	0.00	0.00	0.00
12,000.00	92.640	179.537	9,848.29	-2,140.11	-408.37	2,167.80	0.00	0.00	0.00	0.00
12,100.00	92.640	179.537	9,843.69	-2,240.00	-407.56	2,267.23	0.00	0.00	0.00	0.00
12,200.00	92.640	179.537	9,839.08	-2,339.89	-406.76	2,366.66	0.00	0.00	0.00	0.00
12,300.00	92.640	179.537	9,834.48	-2,439.78	-405.95	2,466.09	0.00	0.00	0.00	0.00
12,400.00	92.640	179.537	9,829.87	-2,539.67	-405.14	2,565.52	0.00	0.00	0.00	0.00
12,500.00	92.640	179.537	9,825.26	-2,639.56	-404.34	2,664.95	0.00	0.00	0.00	0.00
12,600.00	92.640	179.537	9,820.66	-2,739.45	-403.53	2,764.38	0.00	0.00	0.00	0.00
12,700.00	92.640	179.537	9,816.05	-2,839.34	-402.72	2,863.81	0.00	0.00	0.00	0.00
12,800.00	92.640	179.537	9,811.44	-2,939.23	-401.91	2,963.24	0.00	0.00	0.00	0.00
12,900.00	92.640	179.537	9,806.84	-3,039.12	-401.11	3,062.67	0.00	0.00	0.00	0.00
13,000.00	92.640	179.537	9,802.23	-3,139.01	-400.30	3,162.10	0.00	0.00	0.00	0.00
13,100.00	92.640	179.537	9,797.63	-3,238.90	-399.49	3,261.53	0.00	0.00	0.00	0.00
13,200.00	92.640	179.537	9,793.02	-3,338.80	-398.69	3,360.96	0.00	0.00	0.00	0.00
13,300.00	92.640	179.537	9,788.41	-3,438.69	-397.88	3,460.38	0.00	0.00	0.00	0.00
13,400.00	92.640	179.537	9,783.81	-3,538.58	-397.07	3,559.81	0.00	0.00	0.00	0.00
13,500.00	92.640	179.537	9,779.20	-3,638.47	-396.26	3,659.24	0.00	0.00	0.00	0.00
13,600.00	92.640	179.537	9,774.60	-3,738.36	-395.46	3,758.67	0.00	0.00	0.00	0.00
13,700.00	92.640	179.537	9,769.99	-3,838.25	-394.65	3,858.10	0.00	0.00	0.00	0.00
13,800.00	92.640	179.537	9,765.38	-3,938.14	-393.84	3,957.53	0.00	0.00	0.00	0.00
13,900.00	92.640	179.537	9,760.78	-4,038.03	-393.03	4,056.96	0.00	0.00	0.00	0.00
14,000.00	92.640	179.537	9,756.17	-4,137.92	-392.23	4,156.39	0.00	0.00	0.00	0.00
14,100.00	92.640	179.537	9,751.57	-4,237.81	-391.42	4,255.82	0.00	0.00	0.00	0.00
14,200.00	92.640	179.537	9,746.96	-4,337.70	-390.61	4,355.25	0.00	0.00	0.00	0.00
14,264.31	92.640	179.537	9,744.00	-4,401.94	-390.09	4,419.19	0.00	0.00	0.00	0.00
4-9-3-3WH-W15_BHL										

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Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
9,430.20	9,407.55	130.46	-426.72	Kickoff @ 9430.20 MD, AZ=179.53
10,272.39	9,927.87	-414.39	-422.32	End Build @ 10272.39 MD, 9927.87 TVD
10,329.61	9,925.23	-471.55	-421.86	Landing Pt. @ 10329.61 MD, 9925.23 TVD
14,264.32	9,744.00	-4,401.95	-390.09	TD at 14264.32 MD, 9744 TVD

RECEIVED: March 21, 2013

Plan Report for 4-9-3-3WH-W15 - Plan A Rev 1 Proposal - Permit Only

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	4-9-3-3WH-W15_BHL	185.065	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	14,264.32	Plan A Rev 1 Proposal - Permit Only	MWD

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Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
4-9-3-3WH-W15_SHL	0.00	0.02	0.00	Point
4-9-3-3WH-W15_BHL	9,744.00	-4,401.94	-390.13	Point
4-9-3-3WH-W15_Setback Lines	0.00	0.00	0.00	Polygon
4-9-3-3WH-W15_Section Lines	0.00	0.00	0.00	Polygon
4-9-3-3WH-W15_Casing Point	0.00	-471.54	-421.86	Point

RECEIVED: March 21, 2013

Newfield Exploration Company

HALLIBURTON

Duchesne County, UT

North Reference Sheet for Sec. 9-T3S-R3W - 4-9-3-3WH-W15 - Plan A Permit

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.
Vertical Depths are relative to RKB 18' @ 5475.30ft (Unknown Rig). Northing and Easting are relative to 4-9-3-3WH-W15
Coordinate System is US State Plane 1983, Utah Central Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)
Central Meridian is -111.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°
False Easting: 1,640,416.67ft, False Northing: 6,561,666.67ft, Scale Reduction: 0.99992413

Grid Coordinates of Well: 7,259,762.08 ft N, 1,993,917.64 ft E
Geographical Coordinates of Well: 40° 14' 35.00" N, 110° 14' 00.93" W
Grid Convergence at Surface is: 0.81°

Based upon Minimum Curvature type calculations, at a Measured Depth of 14,264.31ft
the Bottom Hole Displacement is 4,419.19ft in the Direction of 185.06° (True).

Magnetic Convergence at surface is: -10.42° (12 February 2013, , BGGM2012)

Magnetic Model: BGGM2012
Date: 12-Feb-13
Declination: 11.23°
Inclination/Dip: 65.86°
Field Strength: 52120

Grid North is 0.81° East of True North (Grid Convergence)
Magnetic North is 11.23° East of True North (Magnetic Declination)
Magnetic North is 10.42° East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Subtract 0.81°
To convert a Magnetic Direction to a True Direction, Add 11.23° East
To convert a Magnetic Direction to a Grid Direction, Add 10.42°

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RECEIVED: March 21, 2013

API Well Number: 43013521080000

NEWFIELD

March 7, 2013

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

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

RE: **Patterson 4-9-3-3WH-W15**
Section 9, T3S, R3W
Duchesne County, Utah

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Dear Brad,

Newfield Production Company proposes to drill the Patterson 4-9-3-3WH-W15 from a surface location of 248' FNL & 1073' FWL of Section 9, T3S, R3W. Newfield shall case and cement the Patterson 4-9-3-3WH-W15 wellbore from the surface location to the point where the wellbore reaches the legal setback of 660' FNL & 660' FWL of Section 9, T3S, R3W. The cased and cemented portion of the wellbore shall not be perforated nor produced. Newfield and its partner are the owners of 99.15% working interest in the northern offset drilling and spacing unit (Section 4, T3S-R3W) in which Newfield is the operator of the Evans 1-4-3-3 well. In the event a future recompletion into the cased and cemented portion of the wellbore is proposed, Newfield shall file the appropriate application with the State.

The proposed horizontal lateral of the Patterson 4-9-3-3WH-W15 shall be drilled from north to south along the 660' FWL of Section 8 legal setback to a bottom hole location 660' FWL & 660' FSL of Section 8. In the event the horizontal lateral drifts west, Newfield will attempt to obtain consent to the location of the wellbore from all owners in Section 8, T3S-R3W in which Newfield and its partner own 91.69% of the working interest.

Due to these circumstances, Newfield respectfully requests that DOGM administratively grant an exception location for the Patterson 4-9-3-3WH-W15.

If you have any 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.

Sincerely,

Shane Gillespie
Landman

API Well Number: 43013521080000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

4-9-3-3WH-W15
4-9-3-3W

Pad Location: NWNW Section 9, T3S, R3W, U.S.B.&M.

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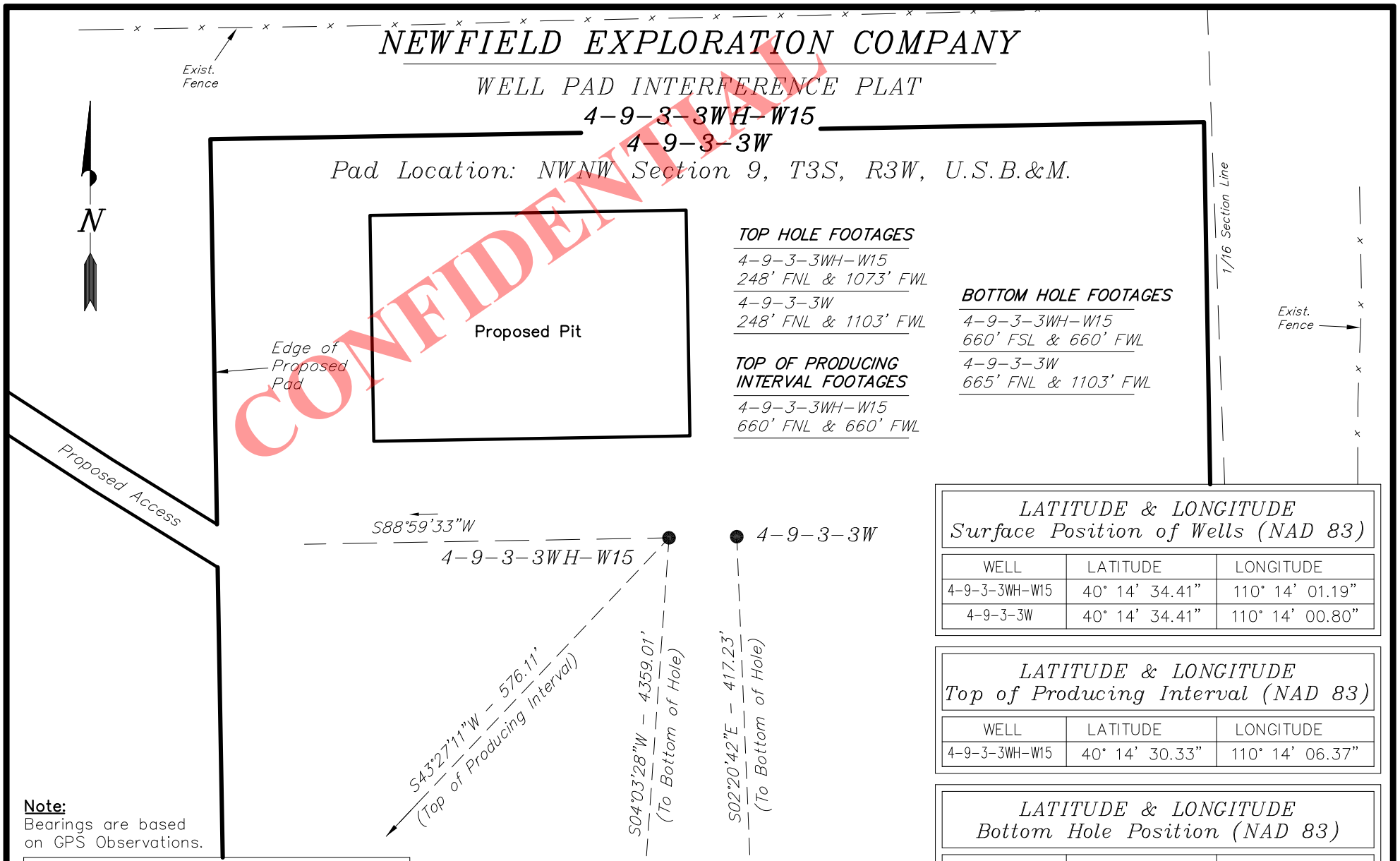


TOP HOLE FOOTAGES

4-9-3-3WH-W15
248' FNL & 1073' FWL

4-9-3-3W
248' FNL & 1103' FWL

TOP OF PRODUCING INTERVAL FOOTAGES

4-9-3-3WH-W15
660' FNL & 660' FWL

BOTTOM HOLE FOOTAGES

4-9-3-3WH-W15
660' FSL & 660' FWL

4-9-3-3W
665' FNL & 1103' FWL

Note:
Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
Surface Position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
4-9-3-3WH-W15	40° 14' 34.41"	110° 14' 01.19"
4-9-3-3W	40° 14' 34.41"	110° 14' 00.80"

LATITUDE & LONGITUDE
Top of Producing Interval (NAD 83)

WELL	LATITUDE	LONGITUDE
4-9-3-3WH-W15	40° 14' 30.33"	110° 14' 06.37"

LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)

WELL	LATITUDE	LONGITUDE
4-9-3-3WH-W15	40° 13' 51.50"	110° 14' 05.96"
4-9-3-3W	40° 14' 30.29"	110° 14' 00.66"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
4-9-3-3WH-W15	-4,348'	-308'
4-9-3-3W	-417'	17'

SURVEYED BY:	Q.M.	DATE SURVEYED:	08-06-12	VERSION:	V4
DRAWN BY:	R.B.T.	DATE DRAWN:	01-25-12		
SCALE:	1" = 60'	REVISED:	V.H. 02-21-13		

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

RECEIVED: March 21, 2013

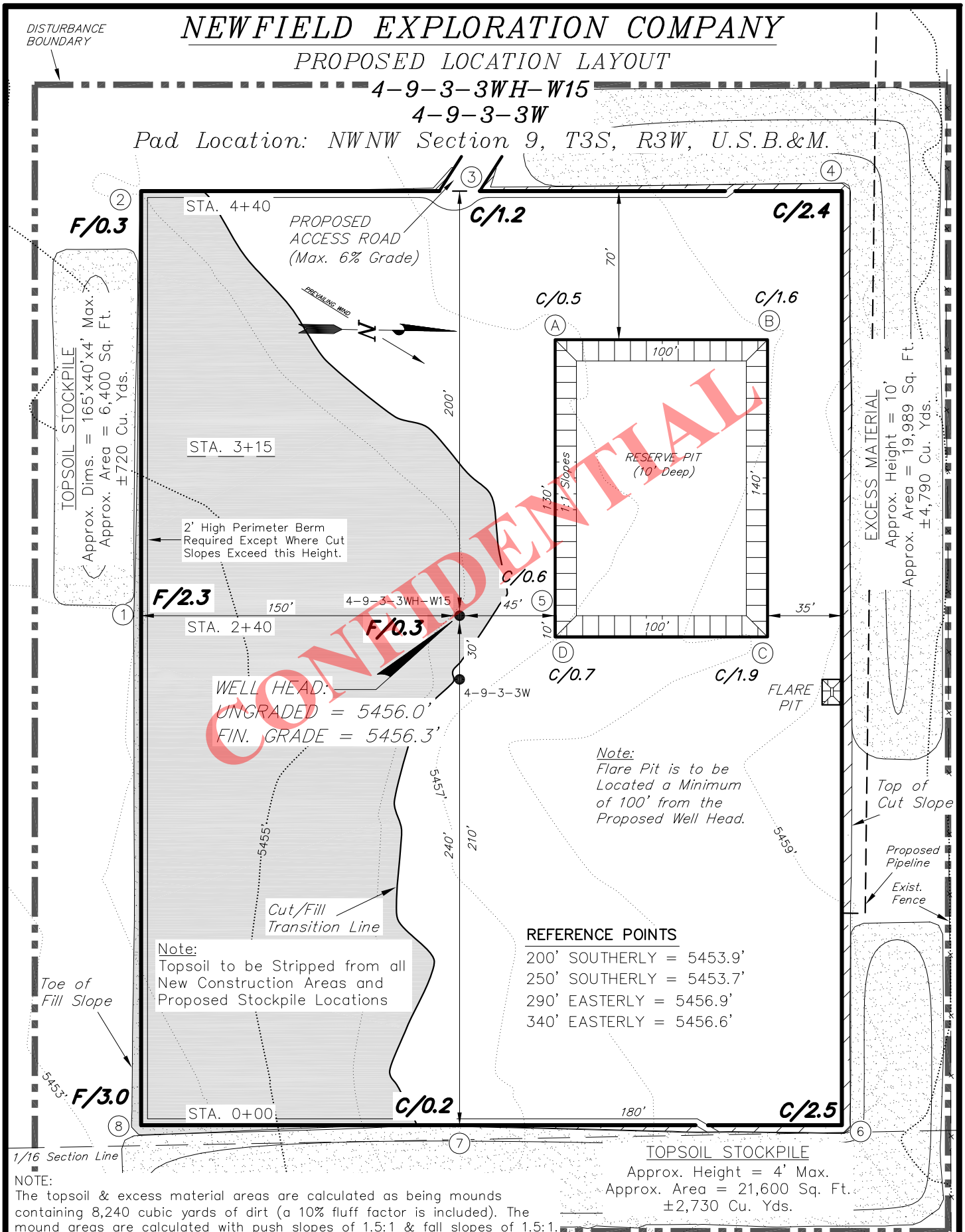
NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

4-9-3-3WH-W15

4-9-3-3W

Pad Location: NWNW Section 9, T3S, R3W, U.S.B.&M.



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NOTE:
The topsoil & excess material areas are calculated as being mounds containing 8,240 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: Q.M.	DATE SURVEYED: 08-06-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 01-25-12	V4	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: V.H. 02-21-13		

RECEIVED: March 21, 2013

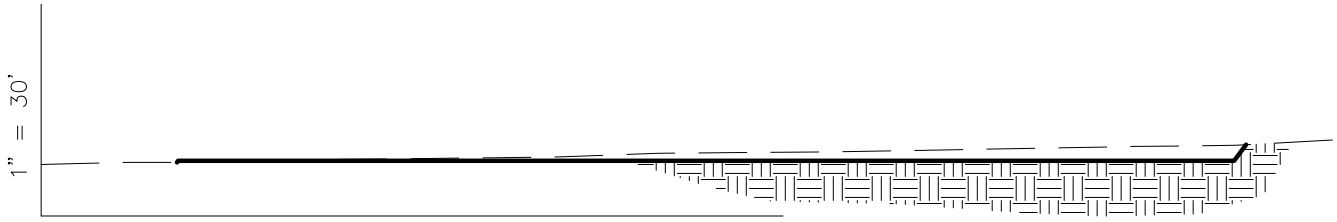
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

4-9-3-3WH-W15

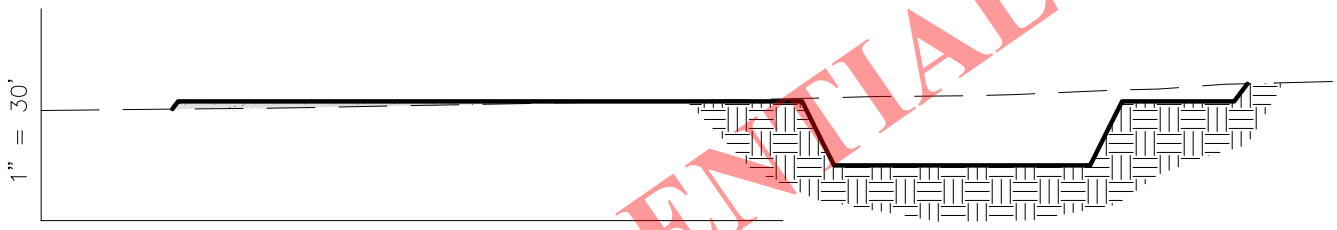
4-9-3-3W

Pad Location: NWNW Section 9, T3S, R3W, U.S.B.&M.



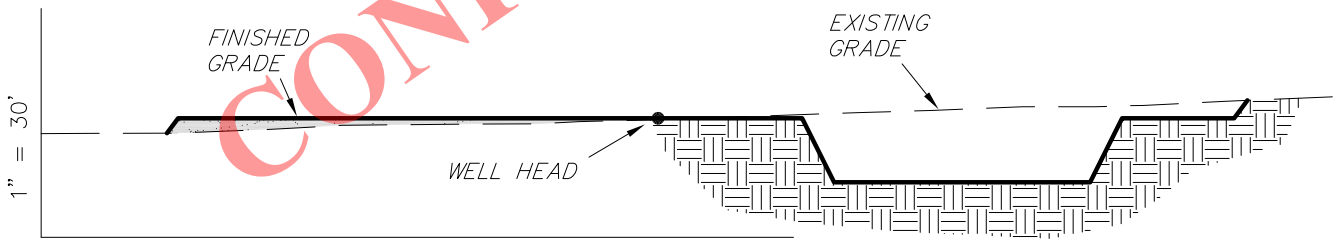
1" = 60'

STA. 4+40



1" = 60'

STA. 3+15



1" = 60'

STA. 2+40

1" = 60'

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	3,190	3,190	Topsoil is not included in Pad Cut Volume	0
PIT	4,350	0		4,350
TOTALS	7,540	3,190	3,140	4,350

SURVEYED BY: Q.M.	DATE SURVEYED: 08-06-12	VERSION:	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 01-25-12	V4	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	
SCALE: 1" = 60'	REVISED: V.H. 02-21-13			

RECEIVED: March 21, 2013

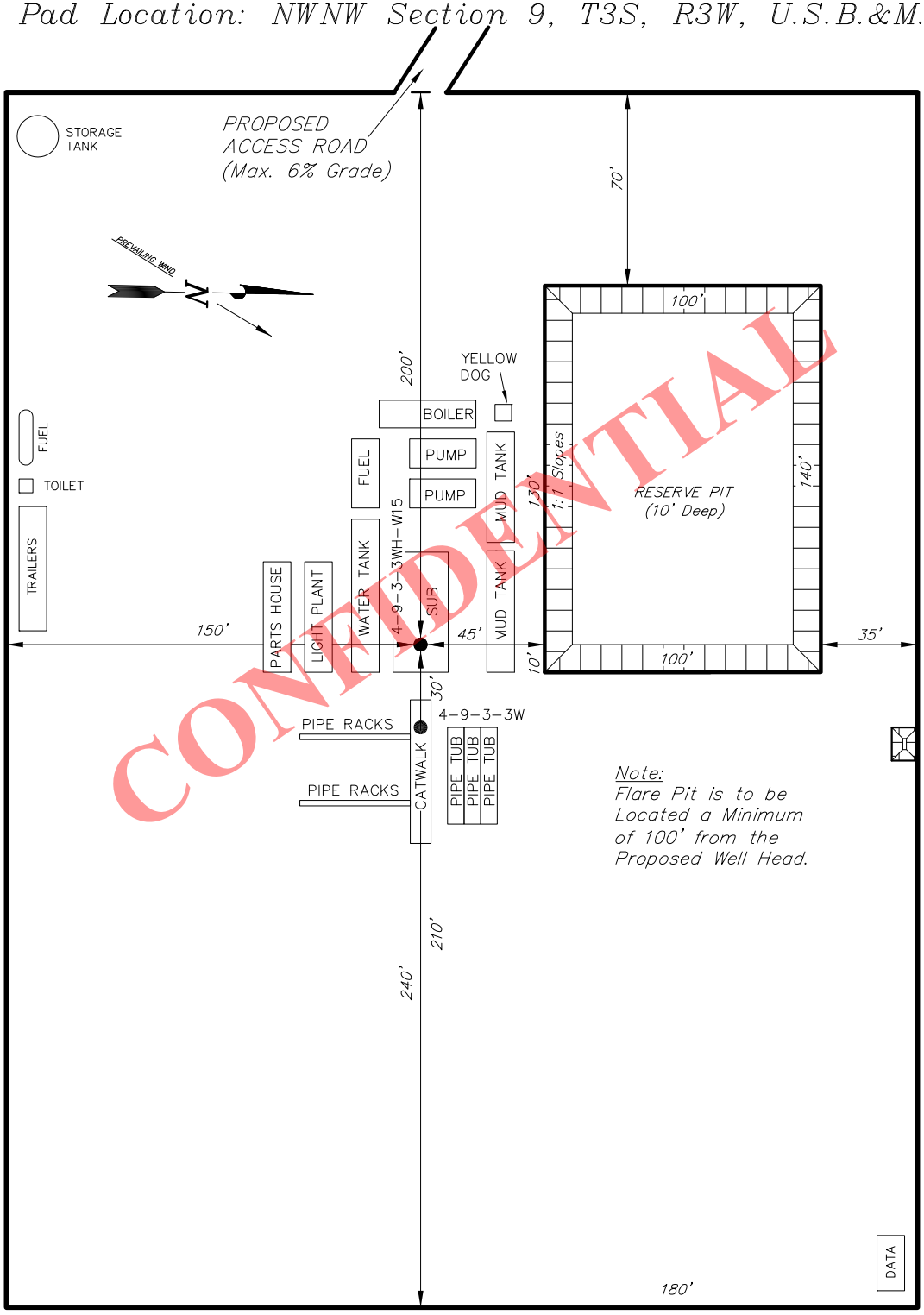
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

4-9-3-3WH-W15

4-9-3-3W

Pad Location: NWNW Section 9, T3S, R3W, U.S.B.&M.

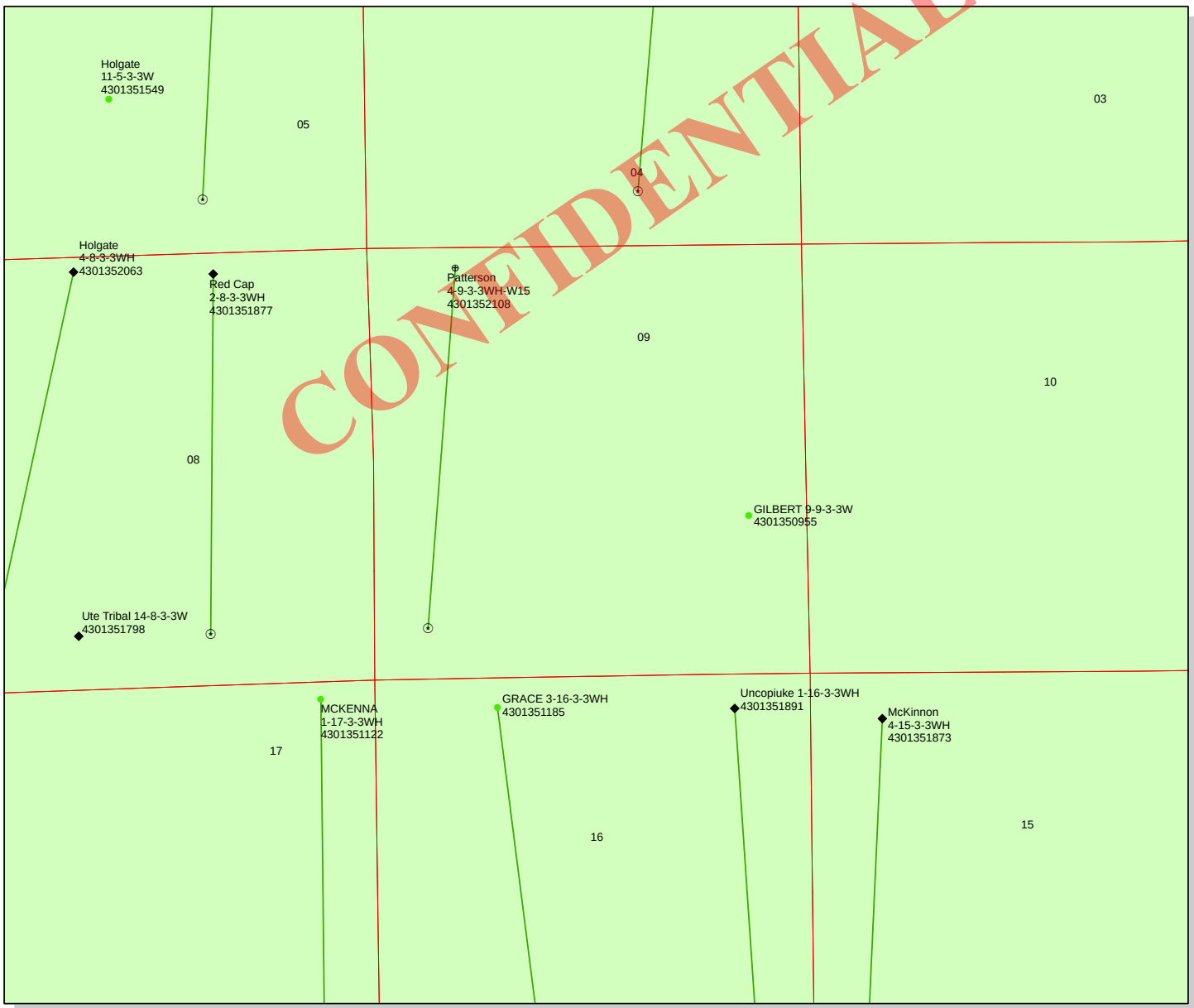


CONFIDENTIAL

SURVEYED BY: Q.M.	DATE SURVEYED: 08-06-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 01-25-12	V4	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: V.H. 02-21-13		

RECEIVED: March 21, 2013

API Well Number: 43013521080000



CONFIDENTIAL

API Number: 4301352108

Well Name: Patterson 4-9-3-3WH-W15

Township T03.0S Range R03.0W Section 09

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

N

1,500 750 0 1,500 Feet

1:15,000

RECEIVED: March 22, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/21/2013
API NO. ASSIGNED: 43013521080000
WELL NAME: Patterson 4-9-3-3WH-W15
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)
PHONE NUMBER: 435 719-2018
CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 09 030S 030W
Permit Tech Review: ✔

SURFACE: 0248 FNL 1073 FWL
Engineering Review: ☐

BOTTOM: 0660 FSL 0660 FWL
Geology Review: ✔

COUNTY: DUCHESNE
LATITUDE: 40.24288
LONGITUDE: -110.23368
UTM SURF EASTINGS: 565181.00
NORTHINGS: 4454997.00
FIELD NAME: WILDCAT
LEASE TYPE: 2 - Indian
LEASE NUMBER: 14-20-H62-6246
PROPOSED PRODUCING FORMATION(S): WASATCH
SURFACE OWNER: 2 - Indian
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 139-90
Effective Date: 5/9/2012
Siting: 4 Prod LGRRV-WSTC Wells

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
1 - Exception Location - bhill
4 - Federal Approval - dmason
27 - Other - bhill

RECEIVED: April 09, 2013

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: Patterson 4-9-3-3WH-W15
API Well Number: 43013521080000
Lease Number: 14-20-H62-6246
Surface Owner: INDIAN
Approval Date: 4/9/2013

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 139-90. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

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

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

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

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

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

• Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284
(please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at http://oilgas.ogm.utah.gov

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

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

Approved By:

For John Rogers
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED

MAR 2 2 2013

BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER

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

5. Lease Serial No.
1420H626246

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

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
PATTERSON 4-9-3-3WH-W15

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

9. API Well No.
43-013-52108

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

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

10. Field and Pool, or Exploratory
UNDESIGNATED

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

At surface NWNW 248FNL 1073FWL 40.143441 N Lat, 110.140119 W Lon

At proposed prod. zone ~~NWNW~~ SESW 660FSL 660FWL ~~40.143441 N Lat, 110.140119 W Lon~~

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 9 T3S R3W Mer UBM

14. Distance in miles and direction from nearest town or post office*
13.3 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)
248

16. No. of Acres in Lease
40.00

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.
30

19. Proposed Depth
14262 MD
9744 TVD

20. BLM/BIA Bond No. on file
RLB0010462

21. Elevations (Show whether DF, KB, RT, GL, etc.
5456 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
MAY 2 3 2013

Title
Assistant Field Manager
Lands & Mineral Resources

Office
VERNAL FIELD OFFICE

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

CONDITIONS OF APPROVAL ATTACHED

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

Additional Operator Remarks (see next page)

Electronic Submission #202111 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 (13JM0902AE)

RECEIVED

NOTICE OF APPROVAL

MAY 2 9 2013

DIV. OF OIL, GAS & MINING

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional Operator Remarks:

Proposed horizontal wellbore; Lease #14-20-H62-6246; wellbore also crosses one Fee Simple Interest Lease.

Pad, access road and pipeline corridor: Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982;

Surface use is currently in place (CB EA #3 - H62-2013-129 & H62-2013-130).

Revisions to Operator-Submitted EC Data for APD #202111

	Operator Submitted	BLM Revised (AFMSS)
Lease:	1420H626246	1420H626246
Agreement:		
Operator:	NEWFIELD PRODUCTION COMPANY ROUTE 3 BOX 3630 MYTON, UT 84052 Ph: 435-646-4825	NEWFIELD EXPLORATION COMPANY ROUTE 3 BOX 3630 MYTON, UT 84052 Ph: 435.646.6031 Fx: 435.646.3031
Admin Contact:	DON S HAMILTON PERMITTING AGENT 2580 CREEKVIEW ROAD MOAB, UT 84532 Ph: 435-719-2018 Fx: 435-719-2019 Cell: 435-650-3866 E-Mail: starpoint@etv.net	DON S HAMILTON PERMITTING AGENT ROUTE 3 BOX 3630 MYTON, UT 84052 Ph: 435-719-2018 Fx: 435-719-2019 Cell: 435-650-3866 E-Mail: starpoint@etv.net
Tech Contact:	DON S HAMILTON PERMITTING AGENT 2580 CREEKVIEW ROAD MOAB, UT 84532	DON S HAMILTON PERMITTING AGENT ROUTE 3 BOX 3630 MYTON, UT 84052
Well Name: Number:	PATTERSON 4-9-3-3WH-W15	PATTERSON 4-9-3-3WH-W15
Location:		
State:	UT	UT
County:	DUCHESNE	DUCHESNE
S/T/R:	Sec 9 T3S R3W Mer UBM	Sec 9 T3S R3W Mer UBM
Surf Loc:	NWNW Lot 2 248FNL 1073FWL 40.242892 N Lat, 110.233664 W Lon	NWNW 248FNL 1073FWL 40.143441 N Lat, 110.140119 W Lon
Field/Pool:	N/A	UNDESIGNATED
Bond:	WYB000493	RLB0010462

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Exploration Company**	**Location:**	**NWNW SEC 9 T3S R3W**
Well No:	**PATTERSON 4-9-3-3WH-W15**	**Lease No:**	**1420H62646**
API No:	**43-013-52108**	**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.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Cement for the 9 5/8 inch casing will be brought to a minimum of 200 feet above the surface casing shoe.
- A CBL shall be run in the 9 5/8 inch casing to TOC.
- Variances to 002, 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.

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.

CONFIDENTIAL

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 Patterson 4-9-3-3WH-W15
Qtr/Qtr NW/NW Section 9 Township 3S Range 3W
Lease Serial Number 14-20-H62-6246
API Number 43013521080000

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

Date/Time 06/19/2013 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 ☐

RECEIVED
JUN 17 2013
DIV. OF OIL, GAS & MINING

Remarks _____

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6246

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: Ute -

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Patterson 4-9-3-3WH-W15

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521080000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0248 FNL 1073 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 09 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ✓ SPUD REPORT — Date of Spud: 6/19/2013
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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:

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

Pete Martin Rig #16 spudded 26" hole on 06/19/2013 and drilled to 35' GL. Hole started falling in with cobble rocks at 32' GL. Filled hole with 12.0 PPG fresh water mud on 06/20/2013. Finished drilling hole to 60' GL. Set 20", 52.78# (0.250" wall), SA53B conductor pipe at 60' GL and cemented to surface with Pro Petro Cementers on 06/20/2013. Cement Job: Pumped 20 bbls fresh water flush ahead of cement. Mixed and pumped 225 sacks (46 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 16 bbls fresh water. Finished pumping @ 16:20 PM on 06/20/2013. 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 @ 21:30 PM on 06/17/2013 to spud conductor hole on 06/19/2013.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 26, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cherei Neilson	435 646-4883	Drilling Techinacian

SIGNATURE	DATE
N/A	6/26/2013

RECEIVED: Jun. 26, 2013

Casing / Liner Detail

Well	Patterson 4-9-3-3WH
Prospect	Central Basin
Foreman	
Run Date:	6/20/2013
String Type	Conductor, 20", 52.78#, SA53B, W (Welded)

- Detail From Top To Bottom -

Depth	*Length*	*JTS*	*Description*	*OD*	*ID*
0.00	60.00	2	20" Conductor Pipe	20.000	19.500
60.00			-		

Cement Detail

Cement Company: Other

Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft^3)	Description - Slurry Class and Additives
Slurry 1	225	15.8	1.15	258.75	Premium Class G Cement with 2% CaCl2, and 1/4 lb/sk flocele.

Stab-In-Job?	No	Cement To Surface?	Yes
BHT:	0	Est. Top of Cement:	0
Initial Circulation Pressure:	45	Plugs Bumped?	No
Initial Circulation Rate:	5	Pressure Plugs Bumped:	
Final Circulation Pressure:	110	Floats Holding?	No
Final Circulation Rate:	3	Casing Stuck On / Off Bottom?	No
Displacement Fluid:	Water	Casing Reciprocated?	No
Displacement Rate:	3	Casing Rotated?	No
Displacement Volume:	16	CIP:	16:20
Mud Returns:	Full	Casing Wt Prior To Cement:	
Centralizer Type And Placement:		Casing Weight Set On Slips:	

RECEIVED: Jun. 26, 2013

RECEIVED: Jun. 26, 2013

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6246

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: Ute -

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Patterson 4-9-3-3WH-W15

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521080000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0248 FNL 1073 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 09 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 6/28/2013
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
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☐ 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:

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

Newfield Production Company respectfully requests to increase the surface casing depth on the subject well from the originally approved 1000' to 1500' to increase the shoe competency. This change should also allow the use of OBM in the intermediate hole section as the base of usable water at 1,113' will be protected up by the surface casing. Also, request to increase the intermediate casing set depth from the originally approved 7400' to 8985' MD (8962' TVD). This is 50' into the Lower Black Shale formation, offset well data shows this casing shoe will provide the greatest strength. The directional plan remains unchanged.

Accepted by the Utah Division of Oil, Gas and Mining

Date: July 02, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 719-2018	Permitting Agent

SIGNATURE	DATE
N/A	6/26/2013

RECEIVED: Jun. 26, 2013

Newfield Production Company
4-9-3-3WH-W15
Surface Hole Location: 248' FNL, 1073' FWL, Section 9, T3S, R3W
Bottom Hole Location: 660' FSL, 660' FWL, Section 9, T3S, R3W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	4,042'
Garden Gulch member	6,966'
Uteland Butte member	9,335'
Wasatch	9,488'
Lateral TD	9,744' TVD / 14,264' MD

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

Base of moderately saline	1,113'		(water)
Green River	6,966'	- 9,488'	(oil)
Wasatch	9,488'	- 9,744'	(oil)

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	0'	60'	--	--	Weld	--	--	--	--	--	--
20									--	--	--
Surface	0'	1,500'	54.5	J-55	STC	8.33	8.4	12	2,730	1,130	514,000
13 3/8									3.16	2.24	6.29
Intermediate	0'	8,962'	40	N-80	BTC	11	11.5	15	5,750	3,090	916,000
9 5/8		8,985'							1.02	1.15	2.56
Production	0'	9,744'	20	P-110	BTC	14	14.5	16	12,360	11,080	641,000
5 1/2		14,264'							2.02	1.74	2.25

RECEIVED: Jun. 26, 2013

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 4,481'
Intermediate csg run from surface to 8,962' 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	6,966'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	2509 / 711	15%	11.0	3.53
Intermediate Tail	12 1/4	2,019'	50/50 Poz/Class G + 1% bentonite	727 / 564	15%	14.0	1.29
Production Lead	8 3/4	0'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	0 / 0	15%	14.0	3.53
Production Tail	8 3/4	6,279'	50/50 Poz/Class G + 1% bentonite	1824 / 1414	15%	15.0	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 run from surface to TD and cemented to Surface. The cement slurries will be adjusted for hole conditions and blend test results.

The lateral will be cemented past the setback

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.

RECEIVED: Jun. 26, 2013

1,500' - 8,985'	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 11.5 ppg.
8,985' - 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.

9,744' x 0.73 psi/ft = 7093.6 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

The lateral of this well will target the Wasatch formation

After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 9,430'
Directional tools will then be used to build to 92.64 degrees inclination.
The lateral will be drilled to the bottomhole location shown on the plat. A 5-1/2" longstring will be run from surface to TD and cemented in place.

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

If oil based mud (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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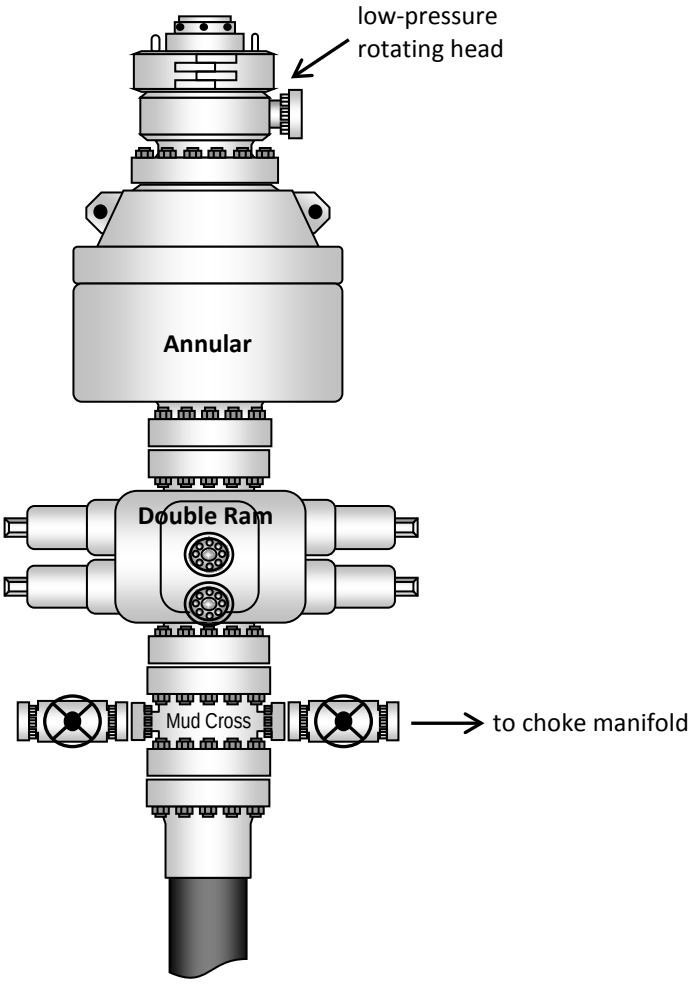
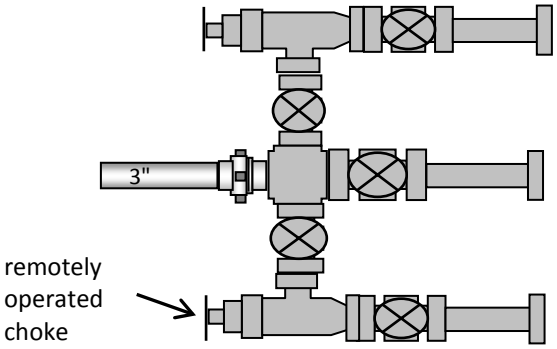
Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



RECEIVED: Jun. 26, 2013

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro Rig #10
Submitted By Kylan Cook Phone Number 435-790-8236
Well Name/Number Patterson 4-9-3-3WH-W15
Qtr/Qtr NW/NW Section 9 Township 3S Range 3W
Lease Serial Number 14-20-H62-6246
API Number 43013521080000

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

Date/Time _____ _____ AM ☐ PM ☐

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

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 07/04/2013 01:00 AM ☒ PM ☐

BOPE

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

Date/Time _____ _____ AM ☐ PM ☐

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Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 44 Submitted By Alvin Nielsen/ Dustin Edwards Phone Number 713-948-9196
Well Name/Number Patterson 4-9-3-3WH -W15
Qtr/Qtr NW/NW Section 9 Township 7 3S Range 3W
Lease Serial Number 14-20-H62-6246
API Number 43013521080000

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

Date/Time _____ _____ 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 _____

RECEIVED
AUG 06 2013
DIV. OF OIL, GAS & MINING

We will Start moving Pioneer Rig # 44 from the Lejeune 1-17-3-2WH to the Patterson 4-9-3-3WH on 8/7/2013.

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 44 Submitted By Alvin Nielsen/ Dustin Edwards Phone Number 713-948-9196
Well Name/Number Patterson 4-9-3-3WH -W15
Qtr/Qtr NW/NW Section 9 Township 7 3S Range 3W
Lease Serial Number 14-20-H62-6246
API Number 43013521080000

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

Date/Time _____ _____ 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 _____

RECEIVED
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DIV. OF OIL, GAS & MINING

We will Start moving Pioneer Rig # 44 from the Lejeune 1-17-3-2WH to the Patterson 4-9-3-3WH on 8/7/2013.

EAGER BEAVER TESTERS INC.

P.O. BOX 1616
ROCK SPRINGS, WY 82902

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

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DIV. OF OIL, GAS & MINING

BOP TEST REPORT

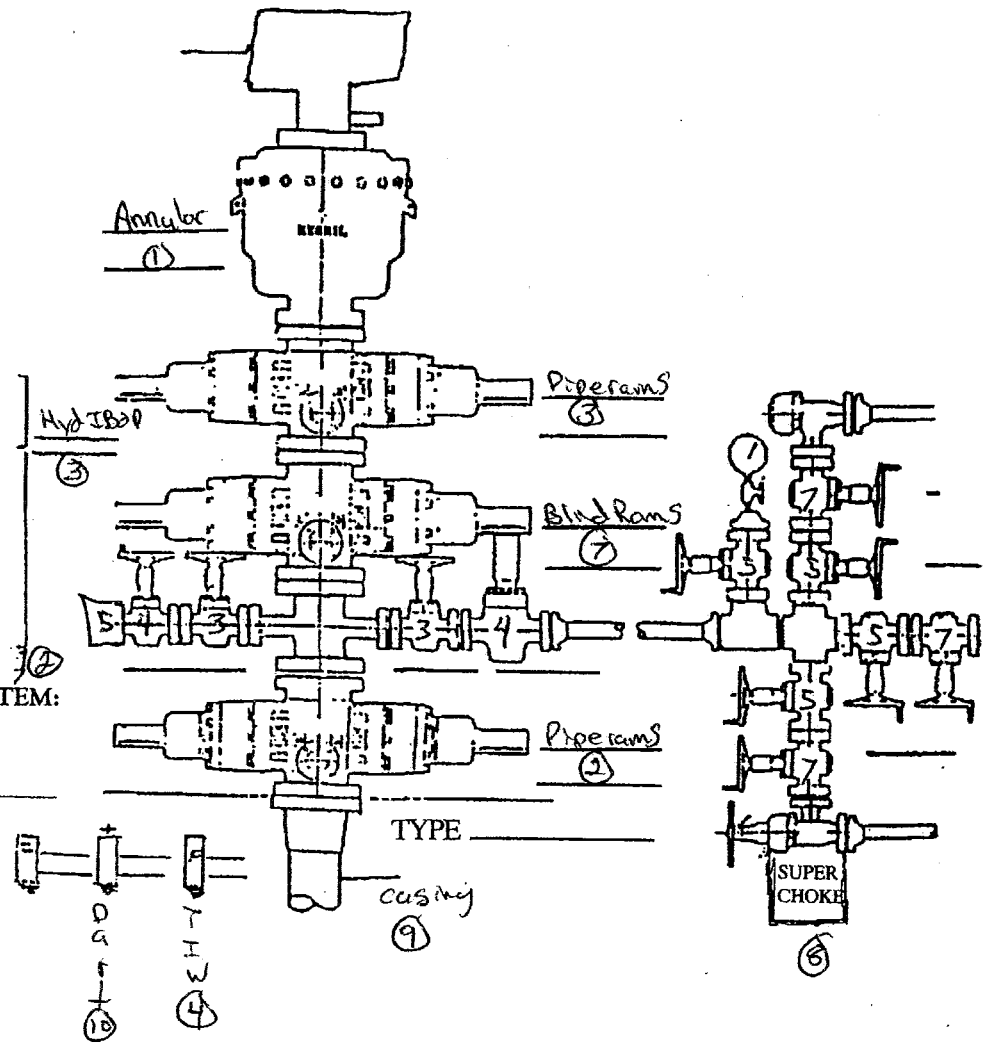
DATE: 8-14-13 OPERATOR: Newfield RIG OR SITE#: Pioneer 44 SEC: 9 TNSHIP: 3S RANGE: 3W

FIELD: _____ WELL#: Pattersen 4-9-3-3WH-W15 TEST PRESSURE: 250 / 5000

API# 43-013-52108-0000

EQUIPMENT PRESSURE TESTED:

ANNULAR 50%	1
UPPER PIPE RAMS	3
LOWER PIPE RAMS	2
BLIND RAMS	7
KILL LINE VALVES	3,4,5
HCR VALVE	4
CHOKE VALVES	3
MANIFOLD VALVES	5,7
SUPER CHOKE	8
MANUAL CHOKE	✓
UPPER KELLY VALVE	3
LOWER KELLY VALVE	2
INSIDE BOP	10
FLOOR VALVE	4
CASING PRE. 1500	9
mud line	6



ACCUMULATOR AND CLOSING SYSTEM:

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

FUNCTION CHECK 1375
PUMP CHECK 1:25
REMOTE OPERATION CHECK ✓
HYDRAULIC FLUID LEVEL ✓

OTHER TESTS:

EQUIPMENT TYPE mudline PRESSURE 4000 psi (6)

REPAIRS OR POTENTIAL PROBLEMS:

Replaced. Seat on 4" valve on pump #1

EAGER BEAVER TESTERS

DATE: 8-14-13 COMPANY: Newfield RIG: Pioneer 44 WELL NAME & #: Patterson 4-9-3-3 WH

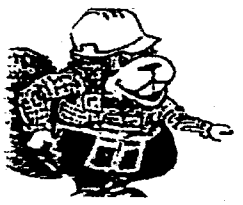
Time		Test No.		Result
9:45	AM ☑PM☐	1	Annular.	Pass ☑Fail ☐
10:08	AM ☑PM☐	2	Lower Pipe rams, man. IBOP, ~~Inside kill & choke line valves~~	Pass ☑Fail ☐
10:53	AM ☑PM☐	3	Upper pipe rams, Hyd IBOP, Inside kill & choke line valves.	Pass ☑Fail ☐
11:21	AM ☑PM☐	4	TIW, HCR, 2nd kill line valve.	Pass ☑Fail ☐
11:50	AM ☑PM☐	5	check valve, Riser valve, Inside manifold valves.	Pass ☑Fail ☐
2:09	AM ☐PM☑	6	Mud line.	Pass ☑Fail ☐
3:10	AM ☐PM☑	7	Blind Rams, outside manifold valves	Pass ☑Fail ☐
3:32	AM ☐PM☑	8	Superchoke.	Pass ☑Fail ☐
4:12	AM ☐PM☑	9	casing.	Pass ☑Fail ☐
4:51	AM ☐PM☑	10	Dart valve.	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



EAGER BEAVER TESTERS

DATE: 8-14-13 COMPANY: New Field RIG: Pioneer 44 WELL NAME & #: Patterson 4-9-3-3wH

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 1375 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 1:25 (2 minutes or less)

TO CHECK THE PRECHARGE ON BOTTLES OR SPHERICAL

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

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

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

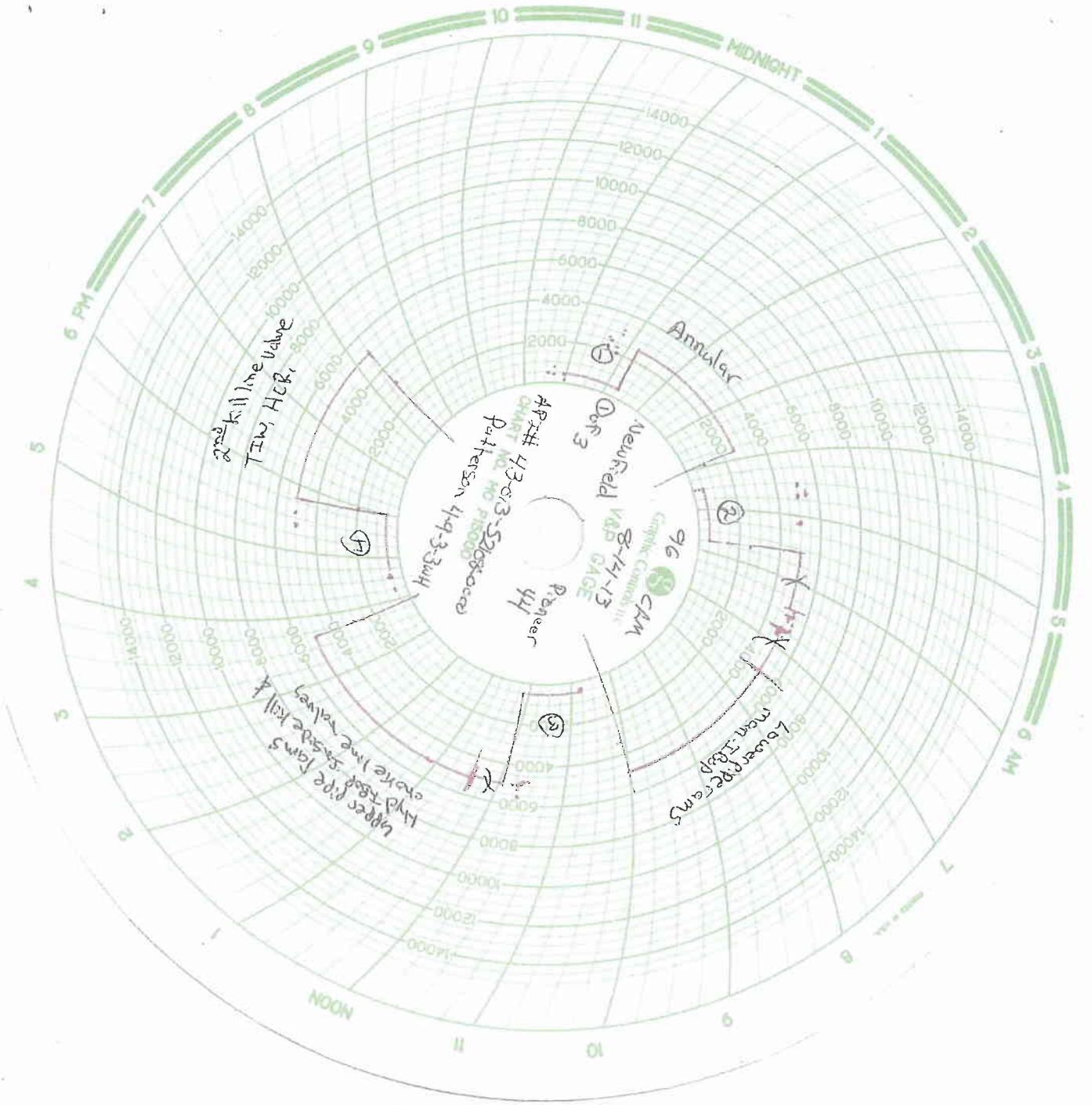
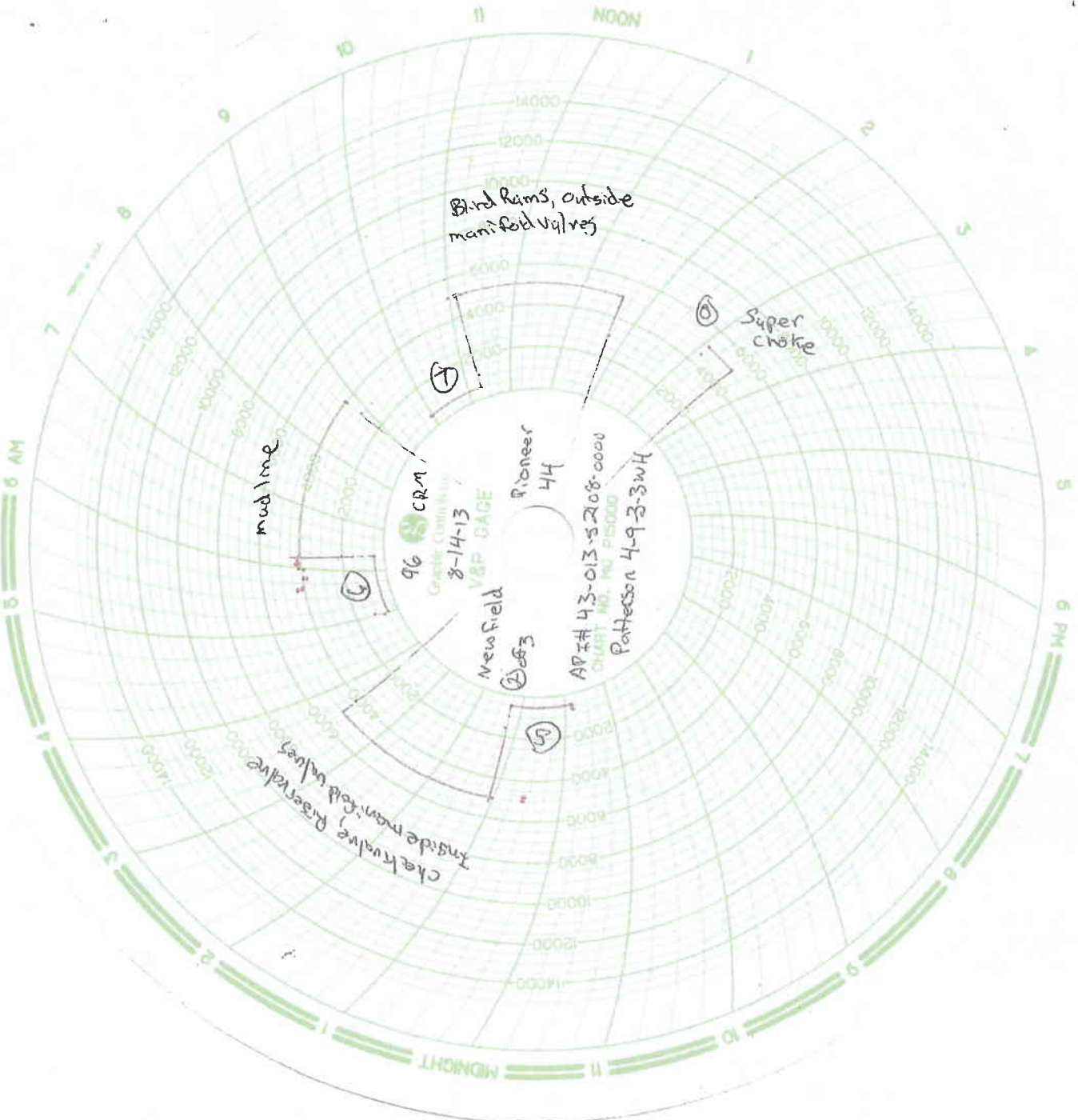
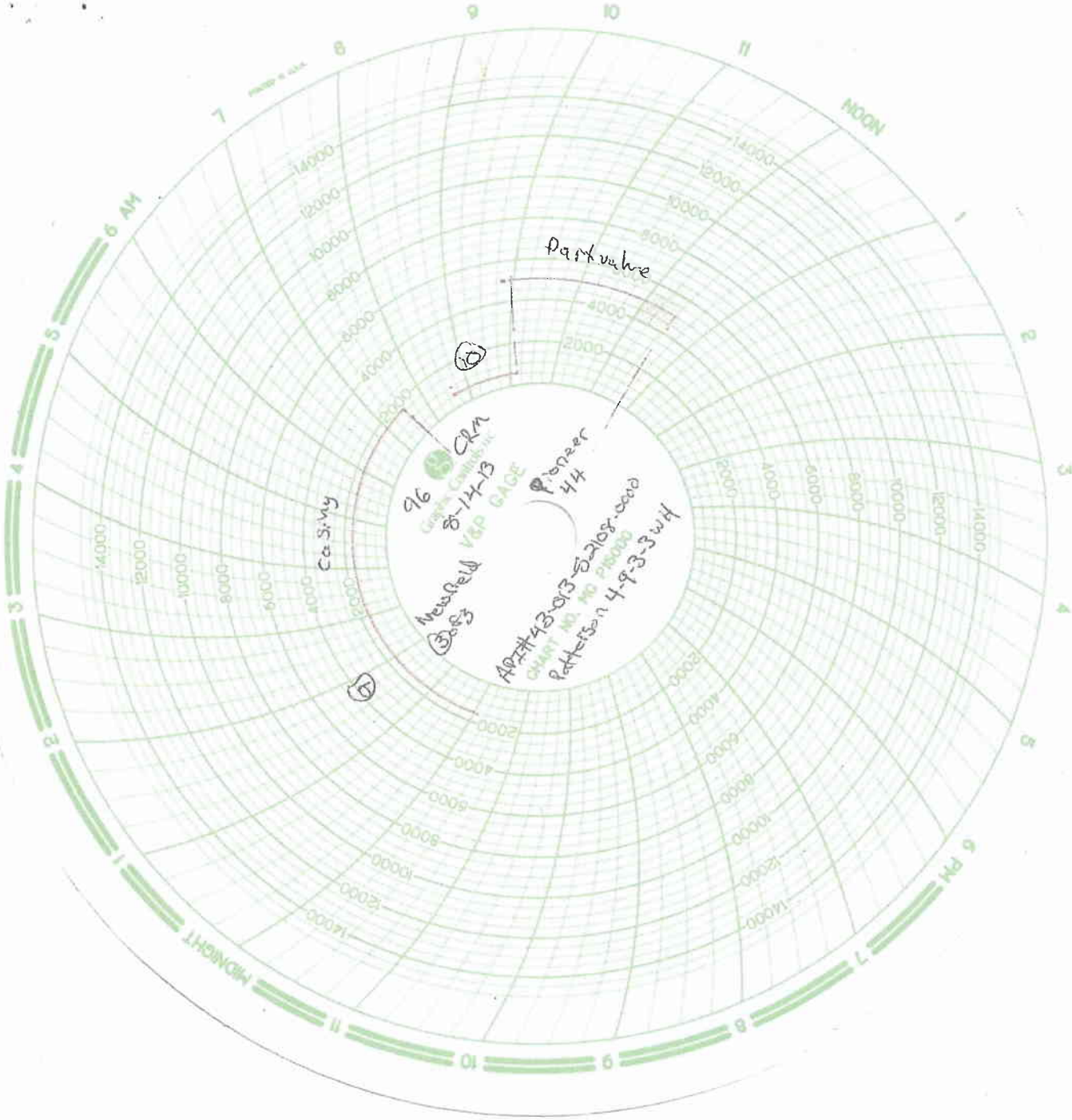


Chart #2 on Reverse



Blind Rams, outside manifold valves
Super choke
mud line
96 CRM
8-14-13
Pioneer 44
Newfield
Patterson 4-9-3-3WH
Check valve, Riser valve
Inside manifold valves



Partvalve
CRM
96
8-14-13
V&P GAGE
Pioneer
44
Newfield
3 of 3
API#43-013-52108-0000
Patterson 4-9-3-3WH
Casing
NOON
6 AM
MIDNIGHT
6 PM

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 44 Submitted By Mike Woolsey/ Dustin Edwards Phone Number 713-948-9196
Well Name/Number Patterson 4-9-3-3WH-W15
Qtr/Qtr NW/NW Section 9 Township 3S Range 3W
Lease Serial Number 1420H626246
API Number 43-013521080000

Rig Move Notice – Move drilling rig to new location.

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 8/13/2013 600 AM ☐ PM ☐

Remarks _____

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CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 44 Submitted By Alvin nielsen/ Dustin Edwards Phone Number 713-948-9196
Well Name/Number Patterson 4-9-3-3WH-W15
Qtr/Qtr NW/NW Section 9 Township ~~7~~3S Range 3W
Lease Serial Number 14-20-H62-6246
API Number 43013521080000

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

Date/Time _____ _____ AM ☐ PM ☐

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

- ☐ Surface Casing
- ☒ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 8/31/2013 18:00 AM ☐ PM ☒

BOPE

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

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DIV. OF OIL, GAS & MINING

Date/Time 9/1/2013 18:00 AM ☐ PM ☒

Remarks _____

DATE: 9-4-2013 COMPANY: Newfield RIG: Pioneer 44 WELL NAME & #: Patterson 4-9-3-3WH-W15

Time	Test No.	43 013 52108 3S 3W 9	Results
12:10 AM □PM☒	1	FIT-Built to 1170psi, held 1150psi for 4min	Pass ☒Fail □
AM □PM□	2		Pass □Fail □
AM □PM□	3		Pass □Fail □
AM □PM□	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.

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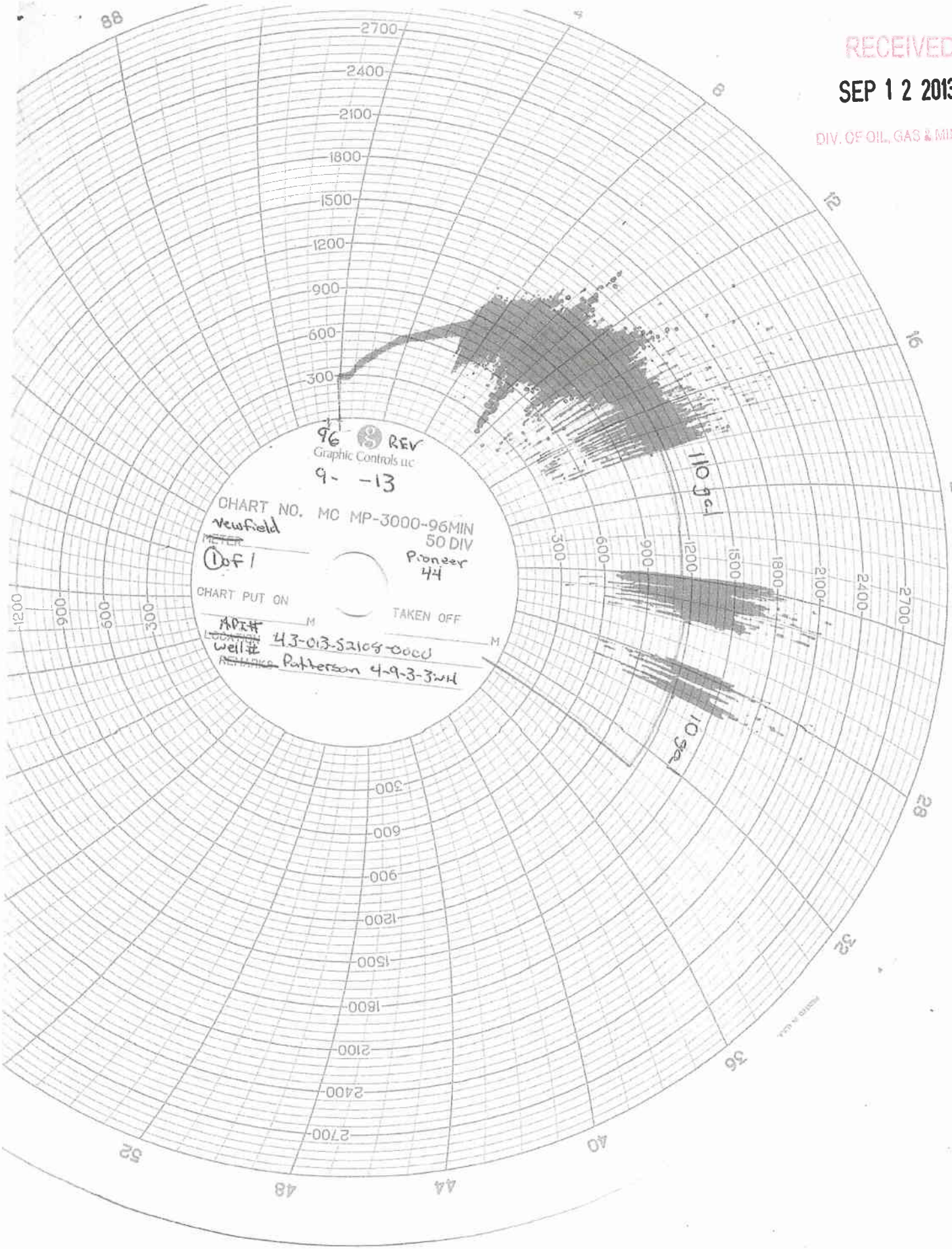
DIV. OF OIL, GAS & MINING

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

RECEIVED
SEP 1 2 2013
DIV. OF OIL, GAS & MINING



CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 44 Submitted By Alvin Nielsen/ Joe Johnson _____ Phone Number 713-948-9196
Well Name/Number Patterson 4-9-3-3WH-W15
Qtr/Qtr NW/NW Section 9 Township 3S Range 3W
Lease Serial Number 14-20-H62-6246
API Number 43013521080000

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

Date/Time _____ _____ AM ☐ PM ☐

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

☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

Date/Time 9/21/2013 02:00 AM ☐ PM ☐

BOPE

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

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SEP 19 2013
DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

Remarks _____

EAGER BEAVER TESTERS INC.

P.O. BOX 1616
ROCK SPRINGS, WY 82902

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

RECEIVED
SEP 0 6 2013
DIV. OF OIL, GAS & MINING

BOP TEST REPORT

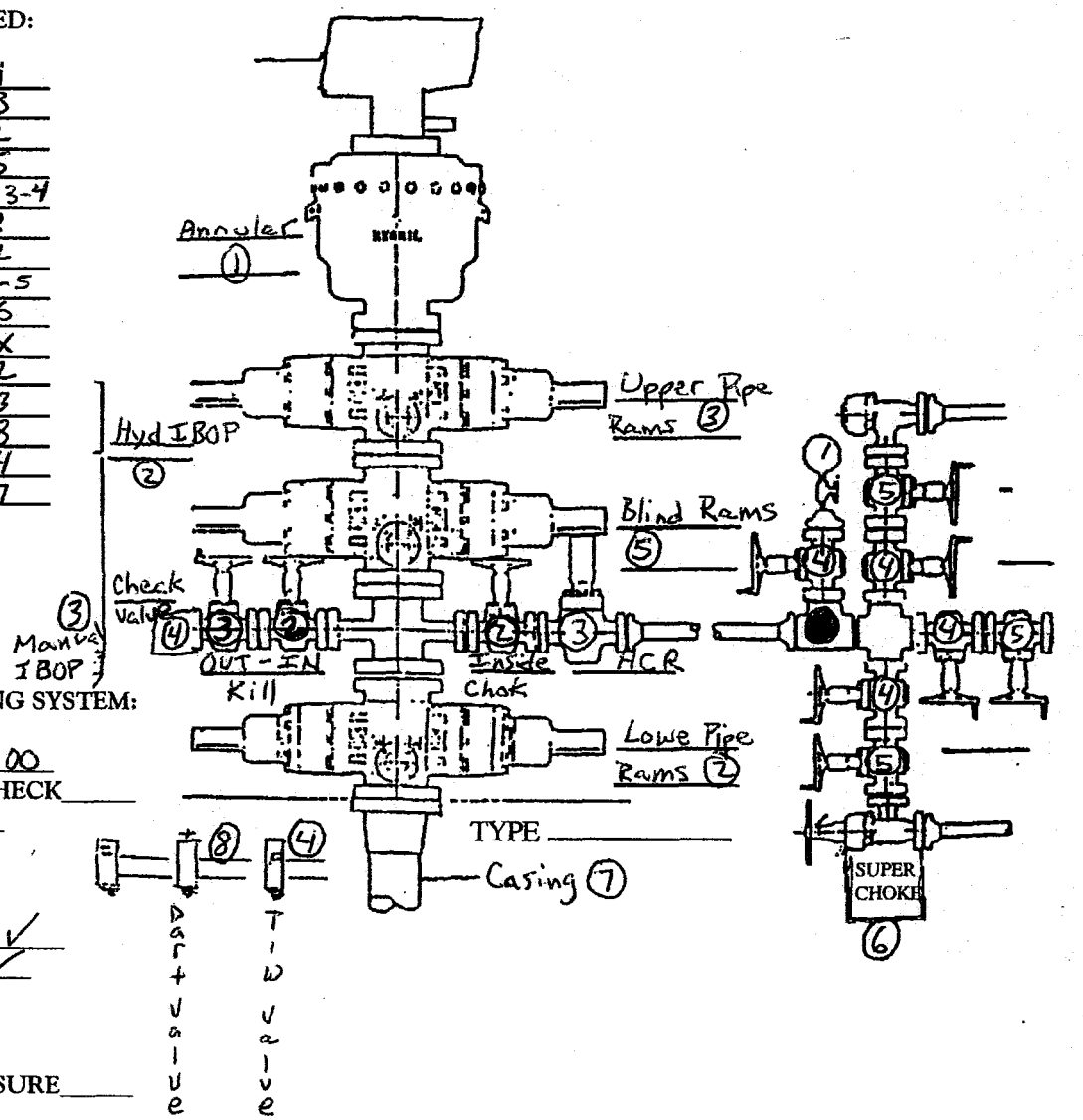
DATE: 9-3-2013 OPERATOR: Newfield RIG OR SITE#: Pioneer 44 SEC: 9 TNSHIP: 3S RANGE: 3W

FIELD: _____ WELL#: Patterson 4-9-3-3W ~~H~~-W15 TEST PRESSURE: 250/6200

API # 4301352108 0000

EQUIPMENT PRESSURE TESTED:

ANNULAR ~~300~~ 5000psi	1
UPPER PIPE RAMS	3
LOWER PIPE RAMS	2
BLIND RAMS	5
KILL LINE VALVES	2-3-4
HCR VALVE	3
CHOKE VALVES	1
MANIFOLD VALVES	4-5
SUPER CHOKE	6
MANUAL CHOKE	X
UPPER KELLY VALVE	2
LOWER KELLY VALVE	3
INSIDE BOP	8
FLOOR VALVE	4
CASING PRE. 1500psi	7



ACCUMULATOR AND CLOSING SYSTEM:

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

FUNCTION CHECK 1500
PUMP CHECK 01:23
REMOTE OPERATION CHECK ✓
HYDRAULIC FLUID LEVEL ✓

OTHER TESTS:

EQUIPMENT TYPE _____ PRESSURE _____

REPAIRS OR POTENTIAL PROBLEMS: Drawing does not represent true setup; lower Pipe Rams are above mud cross.

RECEIVED
SEP 0 6 2013
DIV. OF OIL, GAS & MINING

EAGER BEAVER TESTERS

DATE 9-3-2013 COMPANY: Newfield RIG: Pioneer 24 WELL NAME & #: Patterson 4-9-3-3 WH

ACCUMULATOR FUNCTION TESTS

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

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

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

TO CHECK THE CAPACITY OF THE ACCUMULATOR PUMPS

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

1. Shut the accumulator bottles or spherical, (isolate them from the pumps and manifold) Open the bleed off valve to the tank, (manifold psi should go to 0 psi) close bleed valve.
2. Open the HCR valve (if applicable)
3. Close annular
4. With pumps only, time how long it takes to regain manifold pressure to 200 psi over desired precharge pressure! (Accumulator working pressure {1500 psi=750 desired psi} {2000 and 3000 psi= 1000 desired psi})
5. Record elapsed time 1 min 23 sec. (2 minutes or less)

TO CHECK THE PRECHARGE ON BOTTLES OR SPHERICAL

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

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

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

EAGER BEAVER TESTERS

DATE: 9-3-2013 COMPANY: Newfield RIG: Pioneer 44 WELL NAME & #: Patterson 4-9-3-3WH

Time	Test No.		Results
12:40 AM □PM☒	1	Annular	Pass ☒Fail □
1:20 AM □PM☒	2	Hydrolic IBOP, Lower Pipe Rams, Inside Kill and Choke	Pass ☒Fail □
2:25 AM □PM☒	3	Manual IBOP, Upper Pipe Rams, Outside Kill, HCR	Pass ☒Fail □
3:10 AM □PM☒	4	TIW Valve, Check Valve, Inside Manifold Valves, Riser Valve	Pass ☒Fail □
4:25 AM □PM☒	5	Blind Rams, Outside Manifold Valves	Pass ☒Fail □
5:00 AM □PM☒	6	Super Choke	Pass ☒Fail □
6:15 AM □PM☒	7	Casing	Pass ☒Fail □
7:35 AM □PM☒	8	Dart Value	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

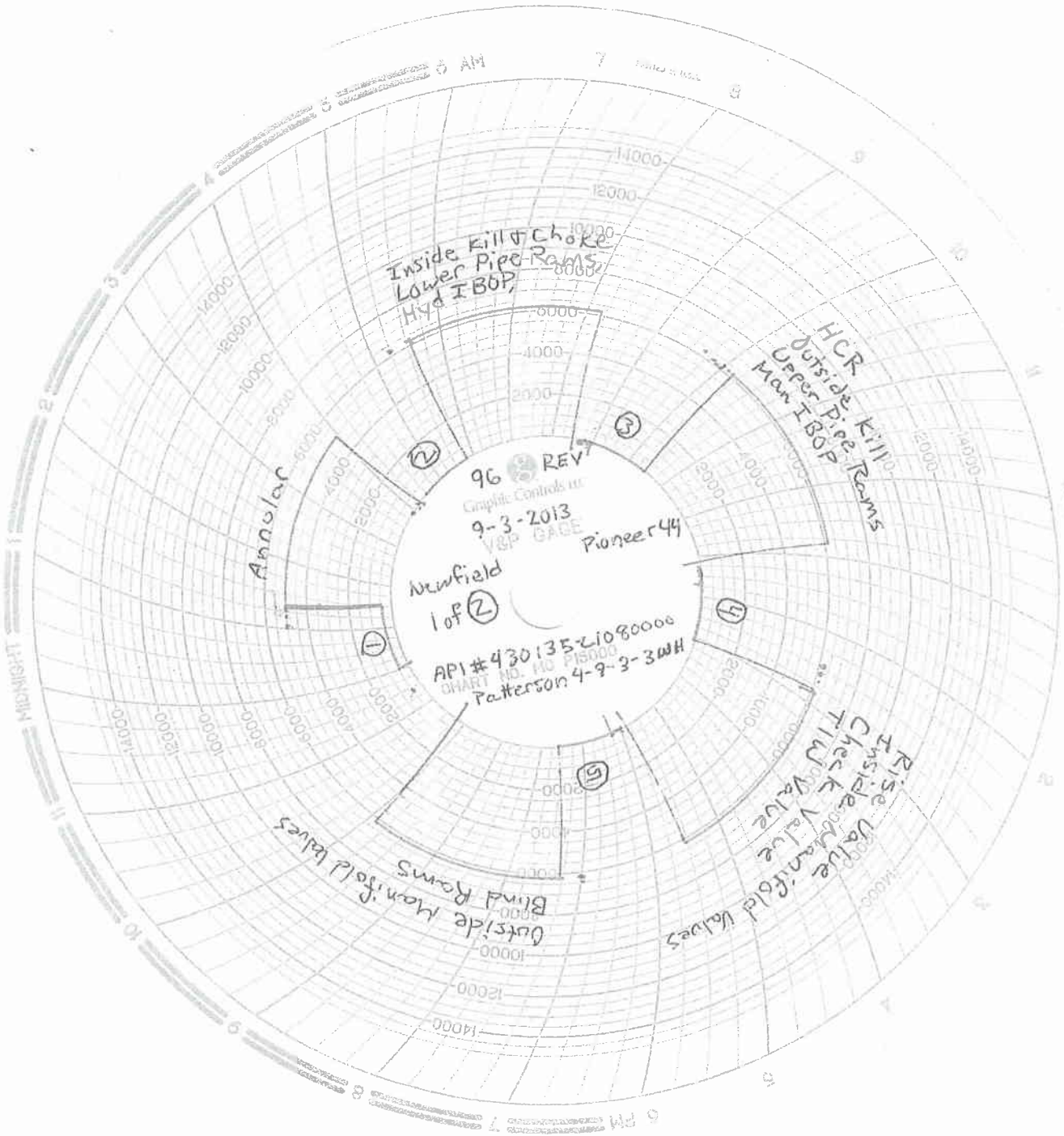
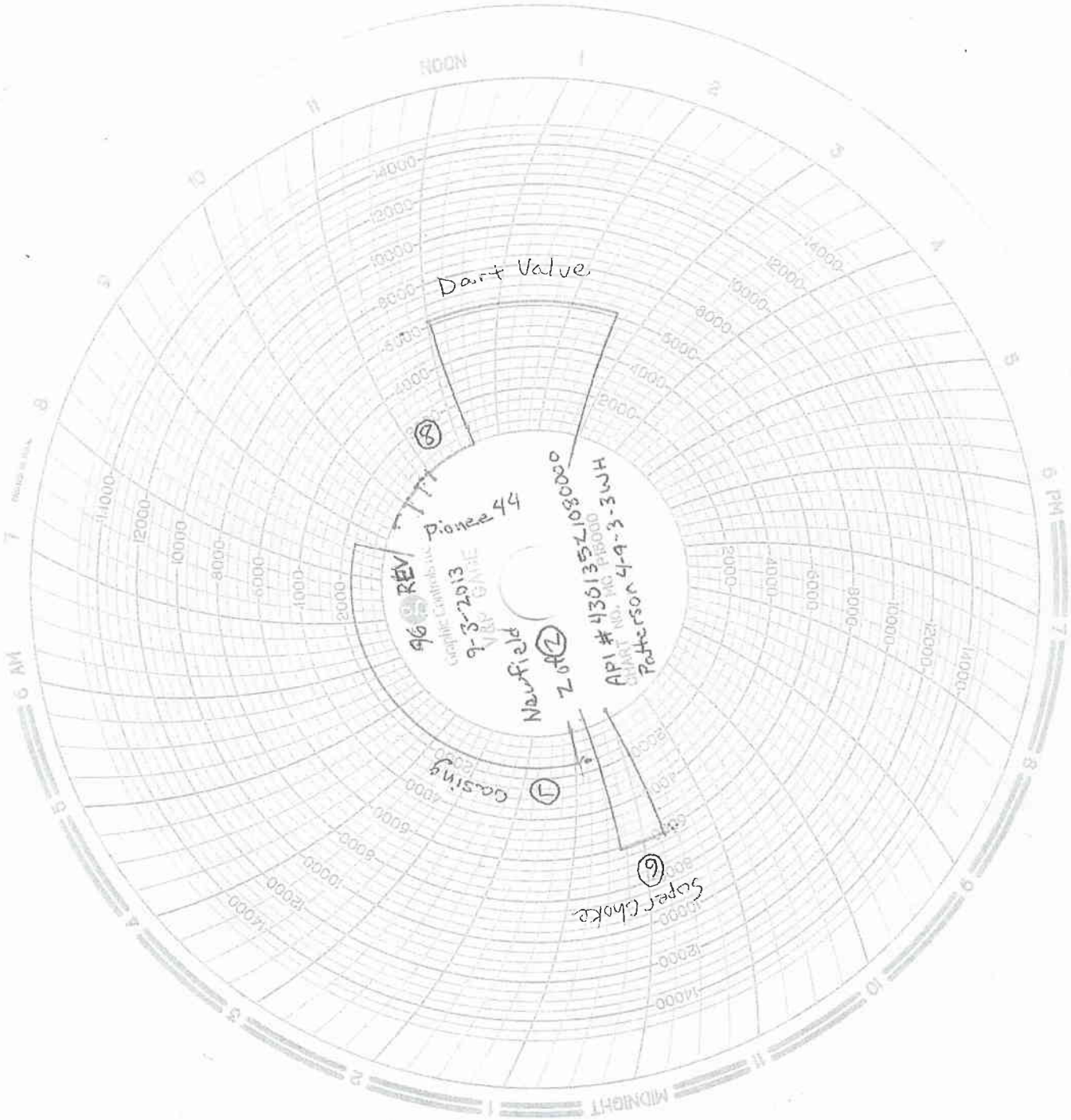


Chart #2 on Reverse


Dart Valve
8
Pioneer 44
96 REV
9-3-2013
Newfield
2 of 2
API # 4301352108000
Patterson 4-9-3-3WH
Casing
7
9
Super Choke
NOON
MIDNIGHT
6 AM
6 PM

API Well Number: 43013521080000

PBTVD 9730'

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. 1420H626246

1a. Type of Well: [x] Oil Well [ ] Gas Well [ ] Dry [ ] Other
b. Type of Completion: [x] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff. Resvr.,
Other: _____

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

7. Unit or CA Agreement Name and No.

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: PATTERSON 4-9-3-3WH-W15

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

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

9. API Well No.: 43-013-52108

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

At surface: 248' FNL 1073' FWL (NW/NW) SEC 9, T3S R3W

At top prod. interval reported below: 1463' FNL 740' FWL (SW/NW) SEC 9, T3S R3W

At total depth: 665' FSL 848' FWL (SW/SW) SEC 9, T3S R3W

10. Field and Pool or Exploratory: UNDESIGNATED

11. Sec., T., R., M., on Block and Survey or Area: Sec 9 T3S R3W Mer UBM

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 06/19/2013

15. Date T.D. Reached: 09/25/2013

16. Date Completed: 10/16/2013 [ ] D & A [x] Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5456' GL 5482'KB

18. Total Depth: MD 14194' TVD 9736'

19. Plug Back T.D.: MD 13972' 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? [x] No [ ] Yes (Submit analysis)
Was DST run? [x] No [ ] Yes (Submit report)
Directional Survey? [ ] No [x] 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	54.5	26'	1656'		225CLASS G			
12-5/8"	9-5/8" N-80	40	26'	8974'		1425Versacem			
						540 Boncem			
8-7/8"	5-1/2" P-110	20	26'	14194'		610 Bondcem		6680'	
						605 Elastiseal			

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@9938'	XN@9924'						

25. Producing Intervals

Formation	Top	Bottom
A) WASATCH	10848'	13928'
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
10848'-13928'	0.34	398	

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

Depth Interval	Amount and Type of Material
10848'-13928'	Frac w/ 2710101#s of 20/40 white sand in 47655 bbls of Lightning 20 fluid, in 15 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
10/14/13	10/24/13	24	→	1173	1195	449			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)

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28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER FORMATION	4064'
				GARDEN GULCH 1	6970'
				DOUGLAS CREEK MEMBER	8099'
				B KIMESTONE	8678
				CASTLE PEAK LIMESTONE	9023'
				UTELAND BUTTE	9322'
				WASATCH	9477'
				WASATCH 10	9638'
				WASATCH 15	9856'
				WASATCH 18	9924'

32. Additional remarks (include plugging procedure):

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

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

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

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 11/07/2013

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)

RECEIVED: Nov. 11, 2013

NEWFIELD

Directional Survey

Legal Well Name	Wellbore Name
Patterson 4-9-3-3WH	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013521080000	NWNW 248FNL 1073FWL Sec 9 T3S R3W Mer U	UINTA CB-WASATCH HORZ	Development	Horizontal

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500332607	Duchesne	Utah	6/19/2013 00:00	

Wellbore Name	Parent Wellbore	Kick Off Depth (ftKB)	Vertical Section Direction (°)
Original Hole	Original Hole	9,413	180.00

Date	Definitive?	Description	Proposed?
8/15/2013	No	Actual	No

MD Tie In (ftKB)	TVDTie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EWTie In (ft)
1,513	1,513	0.00	0.00	0.00	0.00

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
8/15/2013	1,513	0.97	2313.60	1,513	0	0	0	0.00	0.00	0.00	0.00	MWD	Pathfinder
8/15/2013	1,677	0.44	153.97	1,677	1	-1	0	0.27	0.27	93.88	0.63	MWD	Pathfinder
8/15/2013	1,771	0.70	149.30	1,771	1	-1	1	0.28	0.28	-4.97	1.56	MWD	Pathfinder
8/15/2013	1,866	0.62	138.23	1,866	2	-2	1	0.16	-0.08	-11.65	2.65	MWD	Pathfinder
8/15/2013	1,960	0.70	150.80	1,960	3	-3	2	0.18	0.09	13.37	3.73	MWD	Pathfinder
8/15/2013	2,055	1.23	287.29	2,055	3	-3	1	1.90	0.56	143.67	4.45	MWD	Pathfinder
8/15/2013	2,149	3.43	290.10	2,149	2	-2	-2	2.34	2.34	2.99	8.27	MWD	Pathfinder
8/15/2013	2,243	5.36	286.06	2,243	0	0	-9	2.08	2.05	-4.30	15.47	MWD	Pathfinder
8/15/2013	2,338	5.10	287.29	2,337	-3	3	-17	0.30	-0.27	1.29	24.13	MWD	Pathfinder
8/15/2013	2,433	5.01	287.29	2,432	-5	5	-25	0.09	-0.09	0.00	32.50	MWD	Pathfinder
8/16/2013	2,527	5.10	286.68	2,525	-7	7	-33	0.11	0.10	-0.65	40.78	MWD	Pathfinder
8/16/2013	2,621	5.10	286.06	2,619	-10	10	-41	0.06	0.00	-0.66	49.14	MWD	Pathfinder
8/16/2013	2,716	5.01	283.69	2,714	-12	12	-49	0.24	-0.09	-2.49	57.51	MWD	Pathfinder
8/16/2013	2,810	6.33	285.54	2,807	-14	14	-58	1.42	1.40	1.97	66.79	MWD	Pathfinder
8/16/2013	2,904	6.07	285.54	2,901	-17	17	-68	0.28	-0.28	0.00	76.94	MWD	Pathfinder
8/16/2013	2,999	5.80	285.01	2,995	-20	20	-78	0.29	-0.28	-0.56	86.77	MWD	Pathfinder
8/16/2013	3,093	7.21	286.24	3,089	-23	23	-88	1.51	1.50	1.31	97.41	MWD	Pathfinder
8/16/2013	3,188	7.21	286.68	3,183	-26	26	-99	0.06	0.00	0.46	109.34	MWD	Pathfinder
8/16/2013	3,282	7.03	285.80	3,276	-29	29	-111	0.22	-0.19	-0.94	120.99	MWD	Pathfinder
8/16/2013	3,376	6.95	284.74	3,369	-32	32	-122	0.16	-0.09	-1.13	132.43	MWD	Pathfinder
8/16/2013	3,471	7.12	284.39	3,464	-35	35	-133	0.18	0.18	-0.37	144.06	MWD	Pathfinder
8/16/2013	3,565	7.39	285.01	3,557	-38	38	-144	0.30	0.29	0.66	155.93	MWD	Pathfinder
8/16/2013	3,659	7.30	283.43	3,650	-41	41	-156	0.24	-0.10	-1.68	167.95	MWD	Pathfinder
8/16/2013	3,754	7.21	282.02	3,744	-44	44	-168	0.21	-0.09	-1.48	179.95	MWD	Pathfinder
8/16/2013	3,848	6.95	280.44	3,838	-46	46	-179	0.35	-0.28	-1.68	191.53	MWD	Pathfinder
8/17/2013	3,942	6.95	288.79	3,931	-49	49	-190	1.07	0.00	8.88	202.87	MWD	Pathfinder
8/17/2013	4,037	6.86	289.67	4,025	-53	53	-201	0.15	-0.09	0.93	214.30	MWD	Pathfinder
8/17/2013	4,181	6.77	289.23	4,168	-58	58	-217	0.07	-0.06	-0.31	231.38	MWD	Pathfinder
8/17/2013	4,225	6.42	286.50	4,212	-60	60	-222	1.07	-0.80	-6.20	236.44	MWD	Pathfinder
8/17/2013	4,319	5.89	284.13	4,305	-63	63	-231	0.63	-0.56	-2.52	246.51	MWD	Pathfinder
8/17/2013	4,413	6.42	288.43	4,399	-65	65	-241	0.75	0.56	4.57	256.58	MWD	Pathfinder
8/17/2013	4,507	6.24	286.50	4,492	-68	68	-251	0.30	-0.19	-2.05	266.95	MWD	Pathfinder
8/17/2013	4,602	5.63	281.40	4,587	-71	71	-261	0.85	-0.64	-5.37	276.76	MWD	Pathfinder
8/17/2013	4,790	6.24	281.49	4,774	-75	75	-280	0.32	0.32	0.05	296.20	MWD	Pathfinder
8/17/2013	4,885	6.33	291.67	4,868	-78	78	-290	1.18	0.09	10.72	306.56	MWD	Pathfinder
8/17/2013	4,979	5.89	289.31	4,962	-81	81	-299	0.54	-0.47	-2.51	316.56	MWD	Pathfinder
8/17/2013	5,073	5.36	285.36	5,055	-84	84	-308	0.70	-0.56	-4.20	325.77	MWD	Pathfinder
8/17/2013	5,167	5.36	285.36	5,149	-86	86	-316	0.00	0.00	0.00	334.55	MWD	Pathfinder
8/17/2013	5,262	5.80	286.85	5,243	-89	89	-325	0.49	0.46	1.57	343.79	MWD	Pathfinder
8/18/2013	5,356	5.63	284.57	5,337	-91	91	-334	0.30	-0.18	-2.43	353.14	MWD	Pathfinder
8/18/2013	5,450	5.19	280.61	5,431	-93	93	-343	0.61	-0.47	-4.21	362.00	MWD	Pathfinder
8/18/2013	5,545	4.66	274.90	5,525	-94	94	-351	0.76	-0.56	-6.01	370.15	MWD	Pathfinder
8/18/2013	5,639	4.48	270.59	5,619	-95	95	-358	0.41	-0.19	-4.59	377.63	MWD	Pathfinder
8/18/2013	5,733	4.04	266.37	5,713	-95	95	-365	0.57	-0.47	-4.49	384.61	MWD	Pathfinder
8/18/2013	5,828	2.81	279.12	5,807	-95	95	-371	1.52	-1.29	13.42	390.25	MWD	Pathfinder
8/18/2013	5,922	2.11	294.15	5,901	-96	96	-375	1.01	-0.74	15.99	394.25	MWD	Pathfinder
8/18/2013	6,016	1.85	286.50	5,995	-97	97	-378	0.39	-0.28	-8.14	397.49	MWD	Pathfinder
8/18/2013	6,111	1.85	273.05	6,090	-98	98	-381	0.46	0.00	-14.16	400.54	MWD	Pathfinder
8/18/2013	6,205	1.93	265.67	6,184	-97	97	-384	0.27	0.09	-7.85	403.63	MWD	Pathfinder

RECEIVED: Nov. 11, 2013

NEWFIELD

Directional Survey

Legal Well Name	Wellbore Name
Patterson 4-9-3-3WH	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013521080000	NWNW 248FNL 1073FWL Sec 9 T3S R3W Mer U	UINTA CB-WASATCH HORZ	Development	Horizontal

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500332607	Duchesne	Utah	6/19/2013 00:00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
8/18/2013	6,299	2.02	251.35	6,278	-97	97	-387	0.53	0.10	-15.23	406.85	MWD	Pathfinder
8/18/2013	6,393	1.58	243.61	6,372	-96	96	-390	0.53	-0.47	-8.23	409.79	MWD	Pathfinder
8/18/2013	6,488	1.67	242.91	6,467	-95	95	-392	0.10	0.09	-0.74	412.49	MWD	Pathfinder
8/18/2013	6,582	1.06	219.35	6,561	-93	93	-394	0.87	-0.65	-25.06	414.68	MWD	Pathfinder
8/18/2013	6,676	1.14	214.78	6,655	-92	92	-395	0.13	0.09	-4.86	416.48	MWD	Pathfinder
8/18/2013	6,770	1.58	208.54	6,749	-90	90	-396	0.49	0.47	-6.64	418.71	MWD	Pathfinder
8/18/2013	6,865	1.93	212.76	6,844	-87	87	-398	0.39	0.37	4.44	421.62	MWD	Pathfinder
8/19/2013	6,959	2.11	211.35	6,938	-85	85	-399	0.20	0.19	-1.50	424.93	MWD	Pathfinder
8/20/2013	7,054	2.55	207.31	7,033	-81	81	-401	0.49	0.46	-4.25	428.79	MWD	Pathfinder
8/20/2013	7,148	2.37	207.84	7,127	-78	78	-403	0.19	-0.19	0.56	432.83	MWD	Pathfinder
8/20/2013	7,242	1.58	198.96	7,221	-75	75	-404	0.90	-0.84	-9.45	436.06	MWD	Pathfinder
8/20/2013	7,336	0.53	307.68	7,315	-74	74	-405	1.94	-1.12	115.66	437.28	MWD	Pathfinder
8/20/2013	7,431	1.23	188.68	7,410	-73	73	-406	1.64	0.74	-125.26	438.18	MWD	Pathfinder
8/20/2013	7,525	1.67	193.69	7,504	-71	71	-406	0.49	0.47	5.33	440.55	MWD	Pathfinder
8/20/2013	7,619	2.02	205.38	7,598	-68	68	-407	0.54	0.37	12.44	443.57	MWD	Pathfinder
8/20/2013	7,714	2.20	209.60	7,693	-65	65	-409	0.25	0.19	4.44	447.06	MWD	Pathfinder
8/20/2013	7,808	2.73	213.64	7,786	-61	61	-411	0.59	0.56	4.30	451.10	MWD	Pathfinder
8/20/2013	7,902	2.55	210.65	7,880	-58	58	-413	0.24	-0.19	-3.18	455.43	MWD	Pathfinder
8/20/2013	7,997	2.99	210.92	7,975	-54	54	-416	0.46	0.46	0.28	460.02	MWD	Pathfinder
8/20/2013	8,091	3.25	220.49	8,069	-50	50	-419	0.62	0.28	10.18	465.12	MWD	Pathfinder
8/20/2013	8,185	2.81	200.98	8,163	-45	45	-421	1.19	-0.47	-20.76	470.02	MWD	Pathfinder
8/20/2013	8,280	2.73	196.50	8,258	-41	41	-423	0.24	-0.08	-4.72	474.60	MWD	Pathfinder
8/20/2013	8,374	2.64	199.31	8,352	-37	37	-424	0.17	-0.10	2.99	479.01	MWD	Pathfinder
8/20/2013	8,468	2.55	198.96	8,446	-33	33	-425	0.10	-0.10	-0.37	483.26	MWD	Pathfinder
8/20/2013	8,563	2.55	190.44	8,541	-29	29	-426	0.40	0.00	-8.97	487.48	MWD	Pathfinder
8/20/2013	8,657	2.55	186.48	8,634	-25	25	-427	0.19	0.00	-4.21	491.66	MWD	Pathfinder
8/20/2013	8,751	2.81	189.82	8,728	-20	20	-428	0.32	0.28	3.55	496.05	MWD	Pathfinder
8/20/2013	8,845	3.52	189.29	8,822	-15	15	-429	0.76	0.76	-0.56	501.24	MWD	Pathfinder
8/20/2013	8,932	4.22	190.35	8,909	-9	9	-430	0.81	0.80	1.22	507.11	MWD	Pathfinder
9/4/2013	9,059	2.20	188.18	9,036	-2	2	-431	1.59	-1.59	-1.71	514.22	MWD	Pathfinder
9/4/2013	9,122	2.20	181.73	9,099	0	0	-431	0.39	0.00	-10.24	516.64	MWD	Pathfinder
9/4/2013	9,216	2.37	184.50	9,193	4	-4	-431	0.22	0.18	2.95	520.38	MWD	Pathfinder
9/4/2013	9,310	2.55	182.30	9,287	8	-8	-431	0.22	0.19	-2.34	524.42	MWD	Pathfinder
9/4/2013	9,404	2.64	168.96	9,381	12	-12	-431	0.65	0.10	-14.19	528.64	MWD	Pathfinder
9/4/2013	9,436	4.92	144.90	9,412	14	-14	-430	8.53	7.13	-75.19	530.71	MWD	Pathfinder
9/4/2013	9,467	8.18	138.90	9,443	17	-17	-428	10.73	10.52	-19.35	534.24	MWD	Pathfinder
9/4/2013	9,500	11.17	132.79	9,476	21	-21	-424	9.57	9.06	-18.52	539.78	MWD	Pathfinder
9/4/2013	9,531	15.56	126.58	9,506	25	-25	-418	14.88	14.16	-20.03	546.93	MWD	Pathfinder
9/4/2013	9,563	19.26	131.15	9,536	31	-31	-411	12.32	11.56	14.28	556.50	MWD	Pathfinder
9/4/2013	9,594	24.09	136.77	9,565	39	-39	-403	16.94	15.58	18.13	567.93	MWD	Pathfinder
9/4/2013	9,625	29.02	141.53	9,593	50	-50	-394	17.31	15.90	15.35	581.78	MWD	Pathfinder
9/4/2013	9,657	33.85	146.14	9,620	63	-63	-384	16.85	15.09	14.41	598.45	MWD	Pathfinder
9/4/2013	9,688	38.51	151.38	9,645	79	-79	-375	18.03	15.03	16.90	616.73	MWD	Pathfinder
9/4/2013	9,720	43.35	155.05	9,669	97	-97	-365	16.88	15.13	11.47	637.68	MWD	Pathfinder
9/4/2013	9,751	48.01	159.41	9,691	118	-118	-357	18.08	15.03	14.06	659.84	MWD	Pathfinder
9/4/2013	9,782	51.18	164.21	9,711	140	-140	-349	15.60	10.23	15.48	683.43	MWD	Pathfinder
9/4/2013	9,814	53.55	169.17	9,731	165	-165	-343	14.33	7.41	15.50	708.76	MWD	Pathfinder
9/4/2013	9,845	55.22	173.61	9,749	190	-190	-340	12.83	5.39	14.32	733.95	MWD	Pathfinder
9/4/2013	9,869	56.72	176.20	9,762	210	-210	-338	10.91	6.25	10.79	753.84	MWD	Pathfinder
9/4/2013	9,905	58.12	178.34	9,782	240	-240	-337	6.34	3.89	5.94	784.17	MWD	Pathfinder
9/4/2013	9,936	59.97	178.59	9,798	267	-267	-336	6.01	5.97	0.81	810.75	MWD	Pathfinder
9/4/2013	9,968	61.99	177.87	9,813	295	-295	-335	6.61	6.31	-2.25	838.73	MWD	Pathfinder
9/4/2013	9,999	64.10	177.73	9,827	322	-322	-334	6.82	6.81	-0.45	866.36	MWD	Pathfinder

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Directional Survey

Legal Well Name	Wellbore Name
Patterson 4-9-3-3WH	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43013521080000	NWNW 248FNL 1073FWL Sec 9 T3S R3W Mer U	UINTA CB-WASATCH HORZ	Development	Horizontal

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500332607	Duchesne	Utah	6/19/2013 00:00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
9/4/2013	10,030	66.04	178.21	9,840	350	-350	-333	6.41	6.26	1.55	894.47	MWD	Pathfinder
9/4/2013	10,062	67.88	179.13	9,853	380	-380	-332	6.33	5.75	2.87	923.92	MWD	Pathfinder
9/4/2013	10,093	70.00	179.10	9,864	409	-409	-332	6.84	6.84	-0.10	952.85	MWD	Pathfinder
9/4/2013	10,124	71.67	179.54	9,874	438	-438	-331	5.55	5.39	1.42	982.13	MWD	Pathfinder
9/4/2013	10,152	73.42	179.38	9,882	465	-465	-331	6.27	6.25	-0.57	1,008.84	MWD	Pathfinder
9/4/2013	10,187	75.18	180.04	9,892	498	-498	-331	5.35	5.03	1.89	1,042.53	MWD	Pathfinder
9/4/2013	10,246	77.47	179.93	9,906	556	-556	-331	3.89	3.88	-0.19	1,099.85	MWD	Pathfinder
9/4/2013	10,340	82.57	179.55	9,922	648	-648	-331	5.44	5.43	-0.40	1,192.40	MWD	Pathfinder
9/4/2013	10,438	88.29	179.76	9,930	746	-746	-330	5.84	5.84	0.21	1,290.05	MWD	Pathfinder
9/4/2013	10,532	92.77	179.49	9,929	840	-840	-329	4.77	4.77	-0.29	1,384.02	MWD	Pathfinder
9/4/2013	10,626	96.20	180.43	9,922	933	-933	-329	3.78	3.65	1.00	1,477.72	MWD	Pathfinder
9/4/2013	10,720	96.20	180.16	9,912	1,027	-1,027	-330	0.29	0.00	-0.29	1,571.17	MWD	Pathfinder
9/4/2013	10,814	96.46	180.78	9,901	1,120	-1,120	-331	0.71	0.28	0.66	1,664.59	MWD	Pathfinder
9/4/2013	10,909	94.79	181.75	9,892	1,215	-1,215	-333	2.03	-1.76	1.02	1,759.13	MWD	Pathfinder
9/4/2013	11,002	94.79	181.35	9,884	1,308	-1,308	-335	0.43	0.00	-0.43	1,851.81	MWD	Pathfinder
9/4/2013	11,096	94.70	181.74	9,876	1,401	-1,401	-338	0.42	-0.10	0.41	1,945.48	MWD	Pathfinder
9/4/2013	11,191	92.68	179.34	9,870	1,496	-1,496	-339	3.30	-2.13	-2.53	2,040.28	MWD	Pathfinder
9/4/2013	11,285	92.59	178.22	9,866	1,590	-1,590	-337	1.19	-0.10	-1.19	2,134.17	MWD	Pathfinder
9/4/2013	11,379	89.87	175.41	9,864	1,684	-1,684	-331	4.16	-2.89	-2.99	2,228.13	MWD	Pathfinder
9/4/2013	11,473	92.15	176.69	9,862	1,777	-1,777	-325	2.78	2.43	1.36	2,322.11	MWD	Pathfinder
9/4/2013	11,567	92.86	176.59	9,858	1,871	-1,871	-319	0.76	0.76	-0.11	2,416.02	MWD	Pathfinder
9/4/2013	11,661	92.59	176.47	9,854	1,965	-1,965	-314	0.31	-0.29	-0.13	2,509.91	MWD	Pathfinder
9/4/2013	11,755	93.65	175.51	9,849	2,058	-2,058	-307	1.52	1.13	-1.02	2,603.77	MWD	Pathfinder
9/4/2013	11,850	94.53	176.45	9,842	2,153	-2,153	-300	1.35	0.93	0.99	2,698.53	MWD	Pathfinder
9/4/2013	11,944	93.21	176.91	9,835	2,247	-2,247	-295	1.49	-1.40	0.49	2,792.31	MWD	Pathfinder
9/4/2013	12,038	92.51	177.88	9,831	2,340	-2,340	-291	1.27	-0.74	1.03	2,886.19	MWD	Pathfinder
9/4/2013	12,132	93.03	178.85	9,826	2,434	-2,434	-288	1.17	0.55	1.03	2,980.08	MWD	Pathfinder
9/4/2013	12,226	92.24	178.50	9,822	2,528	-2,528	-286	0.92	-0.84	-0.37	3,073.98	MWD	Pathfinder
9/4/2013	12,320	91.19	178.11	9,819	2,622	-2,622	-283	1.19	-1.12	-0.41	3,167.94	MWD	Pathfinder
9/4/2013	12,414	92.42	178.53	9,816	2,716	-2,716	-280	1.38	1.31	0.45	3,261.89	MWD	Pathfinder
9/4/2013	12,508	93.12	177.69	9,812	2,810	-2,810	-277	1.16	0.74	-0.89	3,355.78	MWD	Pathfinder
9/4/2013	12,602	93.21	177.97	9,806	2,904	-2,904	-274	0.31	0.10	0.30	3,449.64	MWD	Pathfinder
9/4/2013	12,791	93.47	177.36	9,795	3,092	-3,092	-266	0.35	0.14	-0.32	3,638.31	MWD	Pathfinder
9/4/2013	12,885	94.00	177.44	9,789	3,186	-3,186	-262	0.57	0.56	0.09	3,732.11	MWD	Pathfinder
9/4/2013	12,979	94.35	178.77	9,782	3,280	-3,280	-259	1.46	0.37	1.41	3,825.86	MWD	Pathfinder
9/4/2013	13,073	92.95	179.19	9,776	3,373	-3,373	-257	1.55	-1.49	0.45	3,919.67	MWD	Pathfinder
9/4/2013	13,168	91.98	178.63	9,772	3,468	-3,468	-255	1.18	-1.02	-0.59	4,014.58	MWD	Pathfinder
9/4/2013	13,262	92.24	178.78	9,769	3,562	-3,562	-253	0.32	0.28	0.16	4,108.51	MWD	Pathfinder
9/4/2013	13,356	92.51	177.62	9,765	3,656	-3,656	-250	1.27	0.29	-1.23	4,202.43	MWD	Pathfinder
9/4/2013	13,450	92.77	177.93	9,761	3,750	-3,750	-246	0.43	0.28	0.33	4,296.33	MWD	Pathfinder
9/4/2013	13,544	92.42	178.22	9,756	3,844	-3,844	-243	0.48	-0.37	0.31	4,390.24	MWD	Pathfinder
9/4/2013	13,638	92.15	177.23	9,753	3,938	-3,938	-240	1.09	-0.29	-1.05	4,484.16	MWD	Pathfinder
9/4/2013	13,732	92.68	177.36	9,749	4,031	-4,031	-235	0.58	0.56	0.14	4,578.08	MWD	Pathfinder
9/4/2013	13,825	92.33	177.63	9,745	4,124	-4,124	-231	0.48	-0.38	0.29	4,670.99	MWD	Pathfinder
9/4/2013	13,919	92.86	178.41	9,740	4,218	-4,218	-228	1.00	0.56	0.83	4,764.89	MWD	Pathfinder
9/4/2013	14,013	92.33	177.87	9,736	4,312	-4,312	-225	0.80	-0.56	-0.57	4,858.79	MWD	Pathfinder

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/2/2013	10/3/2013	NU FMC 10K 7-1/6" frac stack & FMC FB equipment.

Start Time	End Time	Comment
06:00	07:00	MIRU. NU FMC 10k 7/16 Frac stack
07:00	07:30	Safety meeting
07:30	13:00	Land tubing hanger w\TWCV. Pressure test frac stack Haul water and fill frac tanks.
13:00	18:00	RU Flowback equipment
18:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
10/3/2013	10/4/2013	Finish test FB equipment. Run CBL

Start Time	End Time	Comment
00:00	06:00	No Activity
06:00	07:00	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor.
07:00	11:00	MIRU Cameron Test unit on location. FMC flow back crew on location. SMS & EMT/ Gate guard on location. MIRU J-W crane to NU FMC 10K 7-1/6" frac stack. FMC personal on location to NU frac stack. FMC RU FB equipment. 0700 Cameron ND 10K 7-1/16" night cap.Cameron ND 10K 7-1/16" night cap. Cameron lands a 7-1/16" tubing hanger w/TWCV in place in tubing head. Secure lock-in-pins. NU 10K 7-1/16" night cap. Perform dead head test against test unit to 10,000 psi for 10 min. Test good. BO pressure. Shell test HCR valve to 10,000 psi for high, for 10 min. Test good. BO pressure. Closed HCR valve. BO pressure to 500 psi for negative test for 10 min. Test good. Pressure up on top of HCR valve to 10,000 psi. Open HCR valve. BO pressure. ND 10K 7-1/16" night cap. Pulled tubing hanger w/TWCV. Closed HCR valve. NU 10K x 10K 7-1/16" spool, 10K 7-1/16" "Upper Master" manual frac valve, 10K 7-1/16" flow cross w/dual, double 4-1/16" outlets, "Crown" manual frac valve & NU 10K 7-1/16" frac head w/4 4" 1002 caps.
11:00	17:00	NU 10K Frac stack, 10K x 10K 7-1/16 spool, 10K 7-1/16" manual frac valve, 10K 7-1/16 flowcross, 10K 7-1/16 manual frac valve, 10K 7-1/16 frac head.
17:00	19:00	Pressure test FB equipment as per NFX Pressure testing guidelines. Shell test flowback lines to FB tanks to 250 psi and found several leaks. BO pressure. Hammer up several 1502 hammer union. Continue Shell testing to 250 psi and found more leaks on the same hammer union and some difference hammer union. Replace rubber seal. RU Ball catcher and rigged into flow cross. SDFN.
19:00	00:00	No Activity

Report Start Date	Report End Date	24hr Activity Summary
10/4/2013	10/5/2013	Finish testing FB equipment. RU J-W Wireline. RU Halliburton acid crew for RSI shift and injection breakdown and rate. 1.5 hrs downtime due to wrong flange brought by J-W,

Start Time	End Time	Comment
00:00	06:30	No Activity

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
06:30	07:00	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor.
07:00	16:00	Continue to pressure test FB equipment as per NFX pressure testing guidelines. 10:35 Currently testing FB equipment as per NFX pressure testing guidelines. RockWater on location laying water transfer manifold to frac tanks on location. NOTE: Found several leaks while pressure testing to 10,000 psi. Hammer up hammer union. Change out 2 2" seals. 1 3" seal. Should be done testing FB equipment approx.. 3-4 hrs. Finish testing FB equipment. all test good. RDMO Cameron test unit.
16:00	18:00	MIRU Halliburton acid pumper, pump truck & Acid transport w/15% HCL acid. MI & Spot J-W WL & crane.
18:00	18:15	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor.
18:15	21:45	Attempted to shift toe sleeve by pressuring up as per program to 8,600 psi, no good. Contacted Chris Meachum and we made 3 more attempts at 9,000 psi. On the 3rd 9K attempt we left the pressure on the well and shifted the toe sleeve after 13 minutes. Pressure dropped to 4475 psi. Started pumping at 2 bpm @ 5,400 psi. Increased pumps to 6 bpm @ 7,800 psi. Pumped 40 bbls 15% HCL and displaced acid with 361 bbls 3% KCL. Pressure stabilized at 5,200 psi while pumping at 12.5 bpm. Shut down Halliburton. Secure well. SICP 4,600 psi.
21:45	22:30	ND flange on frac tree and JW realized that they did not have the correct flange for the job.
22:30	00:00	2230-0130 Down Time LD lubricator and wait on different lubricator package to arrive. Replacement lubricator arrived and NU flange. MU lubricator.

Report Start Date	Report End Date	24hr Activity Summary
10/5/2013	10/6/2013	Pump down and log well with radial CBL. Continue filling frac tanks. Poly line fabrication is complete.

Start Time	End Time	Comment
00:00	01:30	Down Time LD lubricator and wait on different lubricator package to arrive. Replacement lubricator arrived and NU flange. MU lubricator.
01:30	03:45	Finished installing lubricator function tested WL Rams and attempted to pressure test. We stopped to repair leaks 3X until we could get a good test. Pressure test lubricator to 9,900 psi, held and charted.
03:45	06:30	Halliburton down due to computer issue.
06:30	07:30	Currently pumping down WL logging tools at 12.1 bpm, 5,710 psi. Line speed @ 159 ft/min. Line tension @ 1,135 lbs. Current depth 10,100'. 0730-0735 RIH to 14,086' "WLM" at 12.3 bpm, 5,750 psi. Line speed 43.6 ft/min. Line tension 965 lbs. ISDP 4,900 psi. Used 856 bbls of 3% KCL water to pump down logging tools. 0744

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
07:30	11:00	POOH, logged from 14,086' to 13,250' "WLM". Correlate off Schlumberger Array Induction Density / Neutron Gramm Ray Memory log dated 18 Sept 2013. Corrected 30'. Actual depth 13,972' "WLM". Continue POOH, logging from 13,250' to surface at 60 ft/min. 1020 Continue POOH while logging to surface at 110 ft/min. Current depth 1,500'. 1100 OOH w/logging tools. SWI. LD logging tools. Wit on order to RIH w/ guns to finish perf stage 1.
11:00	13:00	RDMO J-W WL, crane, Halliburton acid pumper & pump truck. 4-C Hauling in and filling frac tanks with 3% KCL water treated w/bleach.
13:00	15:00	MRT on location to lay Halliburton water manifold. 4-C continue to haul in and fill frac tanks w/3% KCL treated w/bleach.
15:00	00:00	Rock Water is finishing up on laying out and fusing poly line for water transfer. Halliburton is finished up on the U.T. 4-1-12-3-4WH and they will be here soon to spot as much equipment as possible for frac.4-C Reclamation is still working on topping off the frac tanks on the Red Cap transfer pad.

Report Start Date	Report End Date	24hr Activity Summary
10/6/2013	10/7/2013	HES is 90% rigged up. They will bring out replacement iron for iron that has out of date service tags. All frac sand is loaded. Transfer heated water to location. Transfer and heat water to transfer pad.

Start Time	End Time	Comment
00:00	06:00	Water transfer line is complete. Frac tanks on transfer pad are full of 3% KCL. Halliburton has moved in 4 mountain movers, hydration unit, and T belt.
06:00	09:30	No Activity
09:30	12:00	Preferred on location with 2 super heater to heat water to 100 degree on the Red Cap well for frac on the Patterson 4-9-3-3WH
12:00	14:00	Cameron on location to Torque frac head. MIRU J-W crane. ND 10K 7-1/16" flange w/1002 WL connection. NU 10K 7-1/16" WL flange. MI & spotting Halliburton frac equipment.
14:00	14:30	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor.
14:30	19:00	RU Halliburton frac equipment. Sand hauler Hauling in and unloading sand in sand chiefs. MIRU J-W WL and crane.
19:00	00:00	Continue transferring 3% KCL to location meanwhile trucking and heating 3% KCL to the Red Cap transfer pad.

Report Start Date	Report End Date	24hr Activity Summary
10/7/2013	10/8/2013	Finish RU HES. Finish topping off and heating frac tanks with 3% KCL. Plug and perf stages 1&2. Frac stages 1& 2 also. Found 9 5/8" casing pressured up at surface to 2,379 psi. Conduct testing to verify that we were not communicating.

Start Time	End Time	Comment
00:00	01:00	Continue transferring 3% KCL to location meanwhile trucking and heating 3% KCL to the Red Cap transfer pad.
01:00	06:00	All frac tanks are full of 3% KCL water. We are continuing to heat water to 90 degrees. 35 tanks are left to heat.
06:00	07:00	MU gun string for stage #1 perfs.

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
07:00	07:30	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor.
07:30	08:45	0800-0834 JSA and safety meeting. Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH to 4,400'. Found that the guns were wire wrong. Justin asks operator how he wired the guns. He said that they wire the guns wrong. Line speed 249 ft/min. Line tension 863 lbs.
08:45	10:00	POOH with guns to rewire guns.
10:00	11:30	JSA and safety meeting. Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH. Pump down rate 16.5 bpm at 6,859 psi. 553 bbl to pump plug. Perforate stage 1 at (Toe stage at 14,042-44' AL readying there) 13,926-928', & 13,849-851'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 2 x 1.5' guns for 20 holes total. POOH. All tools recovered. All shots fired
11:30	13:00	JSA and safety meeting. Test lines to 9,800 psi, OK. Frac Wasatch stage 1 as follows: max rate 61 bpm. Avg rate 60 bpm, max press 7,740 psi, and Avg press 7,240. Fracked with 2,993 bbl of 20# Delta 200 / slickwater. Pumped 180,400 lbs of 0.75-4 PPG 30/50 white sand. Pumped 25,000 lbs of 5 PPG 30/50 CRC. Pumped total of 205,400 lbs. Avg HHP: 10,576. ISIP 4,690 psi. 1 min SIDP 4,680 psi. 4 min SIDP 4,475 psi. 10 min SIP 4,235 psi. 3,831 TLWTR.
13:00	17:00	1330-xxx JSA and safety meeting. Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH. Pump down rate 17.1 bpm at 5,500 psi. 426 bbl to pump plug. Set plug at 13,791'. Perforate stage 2 at 13,774-775.5', 13,702-703.5' & 13,612-613.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 149 ft/min. Line tension 942 lbs. POOH. All tools recovered. All shots fired. NOTE: Did not see plug set in 5 min. (no weight loss). Pulled up 200'. Pump down and tagged plug. Continue POOH perf stage #2.
17:00	19:00	Downtime. Halliburton lost a lost and computer. Waited on a replacement pump and/or computer.
19:00	20:45	JSA and safety meeting. Test lines to 9,800 psi, OK. Frac Wasatch stage 2 as follows: max rate 62 bpm. Avg rate 59 bpm, max press 8449 psi, and Avg press 6844. Fracked with 3143 bbl of 20# Delta 200 / slickwater. Pumped 180,400 lbs of 0.75-4 PPG 30/50 white sand. Pumped 19,800 lbs of 5 PPG 30/50 CRC. Pumped total of 200,200 lbs. Avg HHP: 9,897. ISIP 4916 psi. 1 min ISDP 4757 psi. 4 min ISDP 4518 psi. 10 min ISDP 4386 psi. 3731 TLWTR.
20:45	23:15	SICP 4,900 psi. Stab lubricator and pressure test it to 9,500 psi. Open well and RIH at 200-250 fpm to 4,000'. We saw communication in 9 5/8". 2379 psi. Bled it down to 4 psi and it had a steady ½" flow. POOH with WL LD and disarm guns. HES pumped down well with 70 bbls 3% KCL @ 17bpm. Starting pressures were at Casing-3859 and backside-1400. Ending pressures were at casing-5260 and backside-1475. We are now going in the hole with wireline to plug and perf stage 3.
23:15	00:00	2315-0200 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 3. Pump down rate 17 bpm at 5,579 psi. 426 bbl to pump plug. Set plug at 13,587'. Perforate stage 3 at 13,518-519.5', 13,456-457.5' & 13,399-400.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 202 ft/min. Line tension 976 lbs. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1314-1036#. POOH with WL

API Well Number: 4301352108000

RECEIVED: Nov. 11, 2013

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/8/2013	10/9/2013	Plug, Perf and frac stages 3-8. Replace an HES pump that went down.

Start Time	End Time	Comment
00:00	02:00	2315-0200 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 3. Pump down rate 17 bpm at 5,579 psi. 426 bbl to pump plug. Set plug at 13,587'. Perforate stage 3 at 13,518-519.5', 13,456-457.5' & 13,399-400.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 202 ft/min. Line tension 976 lbs. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1314-1036#. POOH with WL.
02:00	03:42	0200-0230 - Test lines to 9,900 psi, OK. Bleed down backside to 4 psi. Pump down ball and get rate up to 42 bpm at 5700 psi. Backside pressure never went above 530 psi. Pumped stage 3 as follows. 0230-0345 - Frac Wasatch stage 3 as follows: max rate 61 bpm. Avg rate 60 bpm, max press 6807 psi, and Avg press 6280. Fracked with 3149 bbl of 20# Delta 200 / slickwater. Pumped 179,780 lbs of 0.75-4 PPG 30/50 white sand. Pumped 20,300 lbs of 5 PPG 30/50 CRC. Pumped total of 200,080 lbs. Avg HHP: 9,235. ISIP 4712 psi. 1 min ISDP 4742 psi. 4 min ISDP 4514 psi. 10 min ISDP 4267 psi. 3888 TLWTR. Note: Backside pressure stabilized between 850-875 psi during stage 3. We will be bleeding down backside in between stages and pumpdowns,
03:42	05:42	0345-0600 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 4. Pump down rate 15 bpm at 5,058 psi. 277 bbl to pump plug. Set plug at 13,378'. Perforate stage 4 at 13,305-306.5', 13,258-259.5' & 13,210-211.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 200ft/min in lateral. Line tension 980 lbs. Total fluid used for pump down was 277 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1180-1004#. POOH with WL. Note: J-W Engineer Mike passed his perforating depth of 13,261' (after gamma correction) and fired guns perforating 3' high at 13,258'. We are still in zone.
05:42	07:42	Frac Wasatch stage 4 as follows: max rate 61 bpm. Avg rate 60 bpm, max press 7120 psi, and Avg press 6635. Fracked with 3026 bbl of 20# Delta 200 / slickwater. Pumped 182,000 lbs of 0.75-4 PPG 30/50 white sand. Pumped 22,000 lbs of 5 PPG 30/50 CRC. Pumped psi. 10 min ISDP 4325 psi. Average HHP 9676, TLWTR 3602
07:42	09:42	08:00 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 5. Pump down rate 15 bpm at 4,950 psi. 243 bbl to pump plug. Set plug at 13,167'. Perforate stage 5 at 13,149-150.5', 13,058-059.5' & 13,015-016.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 200ft/min in lateral. Line tension 983 lbs. Total fluid used for pump down was 243 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1199-1002#. POOH with WL.
09:42	11:42	10:00-11:30 - JSA and safety meeting. Test lines to 9,800 psi, OK. Frac Wasatch stage 5 as follows: max rate 61 bpm. Avg rate 60 bpm, max press 7,785 psi, and Avg press 6,800. Fracked with 2,740 bbl of 20# Delta 200 / slickwater. Pumped 179,800 lbs of 0.75-4 PPG 30/50 white sand. Pumped 20,200 lbs of 5 PPG 30/50 CRC. Pumped total of 200,000 lbs. Avg HHP: 9,933. ISIP 5,410 psi. 1 min ISDP 4,785 psi. 4 min ISDP 4,380 psi. 10 min ISDP 4,255 psi. 3,274 TLWTR.

API Well Number: 4301352108000

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
11:42	13:42	11:30-13:30 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 6. Pump down rate 15 bpm at 5,741 psi. 230 bbl to pump plug. Set plug at 12,985'. Perforate stage 6 at 12,965-966.5', 12,929-930.5' & 12,883-884.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 200ft/min in lateral. Line tension 943 lbs. Total fluid used for pump down was 230 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1090-943#. POOH with WL. Drop ball @ 13:30
13:42	15:00	13:30-15:30 - JSA and safety meeting. Test lines to 9,800 psi, OK. Frac Wasatch stage 6 as follows: max rate 60 bpm. Avg rate 60 bpm, max press 7,595 psi, and Avg press 7,070. Fracked with 2,635 bbl of 20# Delta 200 / slickwater. Pumped 182,500 lbs of 0.75-4 PPG 30/50 white sand. Pumped 19,700 lbs of 5 PPG 30/50 CRC. Pumped total of 202,200 lbs. Avg HHP: 10,362, ISIP 7,310 psi. 1 min ISDP 6,505 psi. 4 min ISDP 6,035 psi. 10 min ISDP 5,345 psi. TLWTR 3,133
15:00	17:00	17:00 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 7. Pump down rate 15 bpm at 6,330 psi. 264 bbl to pump plug. Set plug at 12,857'. Perforate stage 7 at 12,816-817.5', 12,730-731.5' & 12,634-635.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 200ft/min in lateral. Line tension 1087 lbs. Total fluid used for pump down was 264 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1087-935#. POOH with WL. Drop ball @ 17:00
17:00	18:30	1700-1830 - . Test lines to 9,800 psi, OK. Frac Wasatch stage 7 as follows: max rate 57 bpm. Avg rate 53 bpm, max press 8645 psi, and Avg press 7,650. Fracked with 2,582 bbl of 25# Delta 200 / slickwater. Pumped 180,360 lbs of 0.75-6 PPG 30/50 white sand. Pumped 19,940 lbs of 6 PPG 30/50 CRC. Pumped total of 200,300 lbs. Avg HHP: 9,938, ISIP 4,080 psi. 1 min ISDP 4,760 psi. 4 min ISDP 4,563 psi. 10 min ISDP 4,398 psi. TLWTR 3,139 No acid was run on this stage. Increased gel loading to 25%. Had higher treating pressures than previous stages, but saw good washing of perfs when sand reached bottom. Had pumps de-rate several times during job due to pressure. No problems placing job, pressure fell throughout stage.
18:30	21:15	1830-2115 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 8. Pump down rate 15 bpm at 5,382 psi. Set plug at 12,600'. Perforate stage 8 at 12,506-507.5', 12,466-467.5' & 12,427-428.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 190ft/min in lateral. Line tension 940 lbs. Total fluid used for pump down was 212 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1138-1008#. POOH with WL. Drop ball @ 2115hrs. J-W WL had trouble with the tool trap on lubricator opening. We had 20 min of NPT. Halliburton has added an 8th pump to the spread to replace the one that broke down earlier and to help achieve the desired pump rate of 64bpm at higher pressures.
21:15	22:00	2115-2140 - J-W WL had trouble with the tool trap on lubricator opening. We had 20 min of NPT. Halliburton has added an 8th pump to the spread to replace the one that broke down earlier and to help achieve the desired pump rate of 64bpm at higher pressures. 2140-2200 – NPT for Halliburton

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NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
22:00	00:00	2200-2400 - Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 8 as follows: max rate 66 bpm. Avg rate 63 bpm, max press 7,204 psi, and Avg press 6,376. Fracked with 2,763 bbl of 25# Delta 200 / slickwater. Pumped 181,100 lbs of 0.75-6 PPG 30/50 white sand. Pumped 19,400 lbs of 6 PPG 30/50 CRC. Pumped total of 200,500 lbs. Avg HHP: 9,845, ISIP 4,545 psi. 1 min ISDP 4,664 psi. 4 min ISDP 4,558 psi. 10 min ISDP 4,382 psi. TLWTR 3,265 Rate was not stable throughout stage due to pumps jacking off. We were still able to maintain an avg rate of 63bpm.

Report Start Date	Report End Date	24hr Activity Summary
10/9/2013	10/10/2013	Plug and Perf stages 9-14. Frac stages 9-13.

Start Time	End Time	Comment
00:00	02:00	2400-0200 - - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 9. Pump down rate 15.7 bpm at 4,634 psi. Set plug at 12,410'. Perforate stage 9 at 12,380-381.5', 12,322-323.5' & 12,251-252.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 196ft/min in lateral. Line tension 957 lbs. Total fluid used for pump down was 257 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1213-977#. POOH with WL. Drop ball @ 0200hrs.
02:00	04:00	0200-0400 - Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 9 as follows: max rate 65 bpm. Avg rate 63 bpm, max press 7,451 psi, and Avg press 6,538. Fracked with 2,733 bbl of 25# Delta 200 / slickwater. Pumped 180,300 lbs of 0.75-6 PPG 30/50 white sand. Pumped 20,100 lbs of 6 PPG 30/50 CRC. Pumped total of 200,400 lbs. Avg HHP: 10,095, ISIP 4,647 psi. 1 min ISDP 4,823 psi. 4 min ISDP 4,632 psi. 10 min ISDP 4,477 psi. TLWTR 3,276
04:00	06:00	0400-0600 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 10. Pump down rate 15.3 bpm at 4,809 psi. Set plug at 12,214'. Perforate stage 10 at 12,154-155.5', 12,121-122.5' & 12,033-034.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 175 ft/min in lateral. Line tension 959 lbs. Total fluid used for pump down was 222 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1164-955#. POOH with WL. Drop ball @ 06:20am
06:00	08:00	06:00-08:00 - Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 10 as follows: max rate 64 bpm. Avg rate 54 bpm, max press 8,710 psi, and Avg press 8,350. Fracked with 2,040 bbl of 25# Delta 200 / slickwater. Pumped 68,520 lbs of 0.75-6 PPG 30/50 white sand. Pumped total of 68,520 lbs. Avg HHP: 10,970, ISIP 4,865 psi. 1 min ISDP 4,785 psi. 4 min ISDP 4,510 psi. 10 min ISDP 4,325 psi. TLWTR 2,542
08:00	09:30	Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 11. Pump down rate 15.3 bpm at 4,809 psi. Set plug at 12,009'. Perforate stage 11 at 11,986-987.5', 11941-942.5' & Top Gun 11,871-11,872.5'. Short out don't go off. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 175 ft/min in lateral. Line tension 965 lbs. Total fluid used for pump down was 179 bbls 3% KCL. POOH. All tools recovered. Top Gun Don't Fired The E-B Switch Shorted Out.. Plug set and LTN dropped from 965-916#. POOH with WL.
09:30	11:30	Top Gun 11,871-11,872.5'. Short out don't fired. The E-B Switch Shorted Out. PU new gun RIH Perf 11,871-11872.5 POOH

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
11:30	12:30	- Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 11. Pump down rate 15.3 bpm at 4,809 psi.. Perforate stage 11 at 11,871-11,872.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns Line speed average 300 ft/min on vertical and 175 ft/min in lateral. Line tension 965 lbs. Total fluid used for pump down was 227 bbls 3% KCL. POOH. All tools recovered. Gun Fired Drop Ball @ 12:30
12:30	14:30	13:00 -14:00 Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 11 as follows: max rate 64 bpm. Avg rate 63 bpm, max press 8,200 psi, and Avg press 7,225 Fracked with 2,642bbl of 25# Delta 200 / slickwater. Pumped 183,800 lbs of 0.75-6 PPG 30/50 white sand. Pumped total of 68,520 lbs. of 7PPG 30/50CRC Avg HHP: 11,174, ISIP 4,770 psi. 1 min ISDP 4,700 psi. 4 min ISDP 4,485 psi. 10 min ISDP 4,310 psi. TFTR 3,323
14:30	16:00	14:00-16:00 - Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 12. Pump down rate 15.3 bpm at 5,220 psi. Set plug at 11,804'. Perforate stage 12 at 11,749-750.5', 11,684-685.5' & 11,611-612.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 178 ft/min in lateral. Line tension 954 lbs. Total fluid used for pump down was 132 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 954-950#. POOH with WL. Drop ball @ 16:00 PM
16:00	17:30	Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 12 as follows: max rate 60 bpm. Avg rate 54 bpm, max press 8,755 psi, and Avg press 8,040 Fracked with 2,591bbl of 25# Delta 200 / slickwater. Pumped 180,500 lbs of 0.75-6 PPG 30/50 white sand. Pumped total of 24,900 lbs. of 7PPG 30/50CRC Avg HHP: 10,582, ISIP 4,900 psi. 1 min ISDP 4,860 psi. 4 min ISDP 4,575 psi. 10 min ISDP 4,315 psi. TF 2,995 BBLS
17:30	19:15	- Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 13. Pump down rate 15.1 bpm at 5,590 psi. Set plug at 11,594'. Perforate stage 13 at 11,568-569.5', 11,474-475.5' & 11,424-425.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 180 ft/min in lateral. Line tension 950 lbs. Total fluid used for pump down was 142 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1080-975#. POOH with WL. Drop ball @ 1915hrs
19:15	21:45	Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 13 as follows: max rate 50 bpm. Avg rate 44 bpm, max press 9,231 psi, and Avg press 8,474 Fracked with 2,1271bbl of 25# Delta 200 / slickwater. Pumped 18,300 lbs of 0.75-1 PPG 30/50 white sand. Pumped total of 00 lbs. of 7PPG 30/50CRC Avg HHP: 9,222, ISIP 5,171 psi. 1 min ISDP 5,155 psi. 4 min ISDP 4,672 psi. 10 min ISDP 4,578 psi. TF 2,528 BBLS Stage 13 pressured out on 1 ppg sand. 1 ppg was held long due to pressure increase. Cut sand and reduced rate, we were able to flush well bore without flowing well back. Contacted engineer and decision was made to try and get back into it at a lower rate. We did not see a good pressure response at 20 bpm with 25# gel. Decision made to call it quits on this stage. Flushed well bore.

API Well Number: 4301352108000O
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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
21:45	00:00	Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 14. Pump down rate 16.1 bpm at 8,458 psi. Set plug at 11,332'. Max pressure for PD was 8,846 psi. We were not able to fully identify casing collar @ 11,353' so we placed plug 1 jt up since we had enough room in well bore to do so. Perforate stage 14 at 11,313-314.5', 11,240-241.5' & 11,146-147.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 91 ft/min in lateral. Line tension 962 lbs. Total fluid used for pump down was 306 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1069-970#. POOH with WL. Drop ball @ 0000hrs

Report Start Date	Report End Date	24hr Activity Summary
10/10/2013	10/11/2013	Frac stages 14 & 15. Plug and perf stage 15. Set 2 kill plugs. RDMO HES and J-W WL. Hall off excess sand left over from stages 13 & 15. MIRU Nabors WOR 1406. WTF mud pump, Basic Energy PS & Catwalk. 476 jts of 2 3/8" PH6 P-110 WS tbg. Clean and drift tbg. ND frac stack. NU & start testing WTF BOPE.

Start Time	End Time	Comment
00:00	01:45	Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 14 as follows: max rate 65 bpm. Avg rate 64 bpm, max press 7,357 psi, and Avg press 6,437 psi Fracked with 2,583 bbls of 25# Delta 200 / slickwater. Pumped 180,400 lbs of 0.75-6 PPG 30/50 white sand. Pumped total of 20,200 lbs. of 7PPG 30/50CRC Avg HHP: 10,097, ISIP 4,718 psi. 1 min ISDP 4,734 psi. 4 min ISDP 4,510 psi. 10 min ISDP 4,377 psi. TF 3,148
01:45	02:15	Man basket ran out of fuel. Refueled and primed to start.
02:15	04:15	Pressure test lubricator to 9500 psi for 5 minutes, OK. RIH and P & P stage 15. Pump down rate 15.1 bpm at 4,703 psi. Set plug at 11,114'. Perforate stage 15 at 11,064-065.5', 10,938-939.5' & 10,848-849.5'. 1.5 ft, 3-1/8" guns at 6 SPF, 60 degrees phasing, 21 gram Titan EXP-3319-322T (RDX). 3 x 1.5' guns for 27 holes total. Line speed average 300 ft/min on vertical and 199 ft/min in lateral. Line tension 985 lbs. Total fluid used for pump down was 117 bbls 3% KCL. POOH. All tools recovered. All shots fired. Plug set and LTN dropped from 1072-985#. POOH with WL. Drop ball @ 0415hrs
04:15	05:30	0430-0530 - Test lines to 9,800 psi, OK. Global kick outs set to 9,500 psi. Frac Wasatch stage 15 as follows: max rate 58 bpm. Avg rate 27 bpm, max press 9,265 psi, and Avg press 8,791 psi Fracked with 1,662 bbls of 25# Delta 200 / slickwater. Pumped 13,000 lbs of 0.75-1 PPG 30/50 white sand. Pressure came up as 0.75 PPG hit formation. 1 PPG hit formation and never got relief. Cut sand and went to flush. Dropped rate throughout flush to displace wellbore. Pressure out w/162 bbls into flush. Avg HHP: 5,818, ISIP N/A psi. 1 min ISDP 8,021 psi. 4 min ISDP 7,294 psi. 10 min ISDP 6,980 psi. TF 1,942
05:30	06:30	Standby wait on order wher to set kill plug
06:30	08:00	Halliburton RD 4" down line joint off frac head. installed 2 4" caps.
08:00	09:30	RIH set Kill plug #1 at 7,090' " WLM". Line speed 249 ft/min. Line tension 515 lbs. Continue RDMO Halliburton frac equipment. 0900 Currently Bleed down well slowly while POOH w/WL & setting tool w/sleeve.
09:30	12:30	RIH set Kill plug #2 at 7,040' " WLM". Line speed 249 ft/min. Line tension 515 lbs. Continue RDMO Halliburton frac equipment. Bleed down well slowly while POOH w/WL & setting tool w/sleeve. SWI. LD tools. ND WL BOP. RDMO JW WL.
12:30	15:00	ND & loading out FMC Frac stack consisting of: 10K 7-1/16" frac head w/ 4 4" caps, 10K 7-1/16" manual frac valve, 10K 7-1/16" flow cross w/Dual, double 4-1/16" gate valve outlets & 10K 7-1/16" manual Frac valve.
15:00	15:30	4-C Grade location by well to level off ground for Nabors base beam.

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
15:30	17:00	MI & spot base beam. MIRU Nabors WOR
17:00	19:30	MIRU B&G crane. NU Weatherford 10K x 15K 7-1/16" spool, 15K 7-1/16" pipe BOP w/Blind shear rams and double valve choke/kill outlets, 15K 7-1/16" pipe BOP w/2-3/8" rams, 15K x 10K 7-1/16" DSA, 10K 7-1/16" flow cross w/daul, double valve 2-1/16" outlets, 10K 7-1/16" single pipe BOP w/2-3/8" rams, 10K x 5K 7-1/16" DSA & 5K 7-1/16" Annular preventer/Hydrill
19:30	20:00	Pre Tour Safety Meeting
20:00	00:00	Begin pressure testing BOPE as per NFX guidelines. Continue rigging up Nabors WOR and equipment. Move in Weatherford mud pump along with a Nabors mud pump as a back-up. Move in Basic Energy Hydraulic Catwalk and pipe racks. CSI is cleaning and drifting tubing.

Report Start Date	Report End Date	24hr Activity Summary
10/11/2013	10/12/2013	Finish pressure testing WTF BOPE and rigging up Nabors Well Service and auxilliary equipment. MIH with DO BHA and drill out 2 kill plugs and 2 frac plugs.

Start Time	End Time	Comment
00:00	03:00	Continue pressure testing BOPE. Rack and tally tubing.
03:00	03:30	– PJSM with Nabors WOR crew, FMC flowback, Weatherford, LOR rep. Topic was The proper handling of NFX 2 3/8" work string tubing, windy conditions and working on an elevated platform with a doorway open for tubing to come in on catwalk.
03:30	04:00	RBS 2 3/8" slip type elevators would not close on tubing. All components on elevators are brand new and we could not get them to close on the tubing. We borrowed the 2 3/8" MYT slip type elevators from the UT 4-1-12-3-4.
04:00	05:00	MU Weatherford drill out BHA as follows: 4.625" 5-blade mill, coil style dual BPV, 1 jt tbg, RN Nipple. MIH with 2 3/8" PH6 P-110 tbg stopping to fill tubing every 50 jts.
05:00	05:30	RU 2" TWI valve w/pump in sub. fill tbg w/2 Bbls and circulate 10 bbls. ttl 12 bbls
05:30	06:45	PU & RIH w/30 jts 2-3/8" PH-6.
06:45	07:15	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor.
07:15	07:30	PU & RIH w/11 jts 2-3/8" PH-6. (ttl 91 jts). EOT @
07:30	07:45	RU 2" TWI valve w/pump in sub. fill tbg w/2 Bbls and circulate 10 bbls. ttl 12 bbls
07:45	08:45	Moved 99 jts 2-3/8' PH-6 tbg over to pipe rack, tallied
08:45	10:15	PU & RIH w/59 jts 2-3/8" PH-6. (ttl 150 jts). EOT @ 4,657.71
10:15	10:30	Fill tbg w/3 Bbls and circulating 10 bbls of 3% KCL water. total 13 bbls. Total 150 jts in hole. EOT @ 4,657.71'.
10:30	11:00	PU & RIH w/10 jts 2-3/8" PH-6. MU R Nipple 4,998.42 (160 jts). PU & RIH w/30 jts 2-3/8' PH-6(ttl 190 jts). EOT @ 5,894'
11:00	11:30	Moved 100 jts 2-3/8' PH-6 tbg over to pipe rack, tallied

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Start Time	End Time	Comment
11:30	12:15	PU & RIH w/39 jts 2-3/8" PH-6. Tagged kill plug #2 at 7,074' "TM" w/229 jts. (7,040' "WLM"). LD jt 229.
12:15	14:00	RU Basic power swivel on jt 229
14:00	15:00	Tag Kill plug #2 tag @ 7,074' jt #229. Establish pump rate, 1.9 bbl/min 2,800 psi @ WH, 1,000 psi @ choke 10/64, swivel rpm 110-120, WOB 3-6, drill plug in 40 min, 1.9 bbl in x 3 bbl out, PU WT 39K. SO WT 34K. Neutral WT 37K. Pump 10 bbl sweep circ. NOTE: Continue circulating 50 bbls. EOT @ 7,100' w/229 jts.
15:00	16:00	1300-1405 – PU 2 jts. Tag Kill plug #1 tag @ 7,136' jt #231. (Plug set at 7,090' "WLM"). Establish pump rate, 3 bbl/min 4,000 psi @ WH, 2,700 psi @ choke 18/64, swivel rpm 110-120, WOB 3-6, drill plug in 50 min, 3 bbl in/3 bbl out, PU WT 39K. SO WT 34K. Neutral WT 37K. Pump 10 bbl sweep circ. NOTE: DO plug, pressure increase to 3,800 psi. Open choke to 24/64" choke to relief pressure off Annular preventer. Getting 5 bbl back in return.
16:00	16:45	14:05-1645 – Circulating 2.7 bbl/min 4,600 psi. @ WH 3,000 psi @ chokes 21/64. Getting lots of sand back in returns. Swivel rpm 100, 2.7 bbl in/3.5 bbl out, PU WT 39K. SO WT 34K. Neutral WT 37K. Pump 10 bbl sweep circ. Pumped 253 bbls.
16:45	17:00	16:45-1700 – PU & MU jt 232 on swivel, swivel in hole. Did not tag anything.
17:00	17:15	1700-1715 Racking swivel back in derrick
17:15	20:30	1715-2030 - Continue PU & RIH CO to JT # 350. Tie-back tubing line meanwhile circulating well, before we tag frac plug #14.
20:30	22:45	RU power swivel. Continue in hole with PS and tag kill plug residual @ 11,146'. Circulate at 4700 psi on tbg and return at 2,700 psi at well head while pumping at 2.7 bpm and returning at 3.7 bpm. Swivel RPM's at 120, free torque is 1,300 ft/lbs and 2,200-2,800 ft/lbs while weight is on mill. PU wt is 50K, SO wt is 28K, Neutral wt is 38K. Set 4K on mill and rotated for 18 minutes to drill through plug. Pump a 10 bbl sweep.
22:45	23:30	– Lower mill and tag plug #14 @ 11,164'. Circulate at 4700 psi on tbg and return at 2,700 psi at well head while pumping at 2.7 bpm and returning at 3.7 bpm. Swivel RPM's at 120, free torque is 1,300 ft/lbs and 2,200-2,800 ft/lbs while weight is on mill. PU wt is 50K, SO wt is 28K, Neutral wt is 38K. Set 4K on mill and rotated for 25 minutes to drill through plug. Pump a 10 bbl sweep.
23:30	00:00	Well is flowing without pumping at 4.7 bpm @ 3,000 psi. RIH and tag plug # 13 @ 11,362'

Report Start Date	Report End Date	24hr Activity Summary
10/12/2013	10/13/2013	Drill out frac plugs 13 - 1. Circulate hole clean. POOH LD tubing.

Start Time	End Time	Comment
00:00	01:00	– Drill on plug #13 for 30 min. pump a 10 bbl sweep. Rotating parameters stayed the same. We were flowing well at 3,000 psi on a 22 choke, flowing at 4.3 bpm. We had trouble keeping the pressure down.
01:00	02:15	MIH with 9 jts tbg for a total of 376 jts tag plug # 12 with 6' in on jt # 376 for a depth of 11,624'. Break circulation and drill out plug for 20 minutes and pump a 10 bbl sweep. Circulating and rotating parameters stayed the same. Both plug catchers were plugged and had to be cleaned out. One screen had to be changed out.

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Start Time	End Time	Comment
02:15	03:15	Pick up 6 jts and tag plug #11 with jt #382 with 26' in for a depth of 11,831'. All parameters stayed the same pumping into well at 2.7 bpm @ 4,500 psi and returning 3.4 bpm on the returns.
03:15	04:30	Tag plug # 10 @ 12,036'. . Circulate at 4600 psi on tbg and return at 3,000 psi at well head while pumping at 2.0 bpm and returning at 4.3 bpm 0n a 22/64's choke. Swivel RPM's at 120, free torque is 1,200 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 51K, SO wt is 28K, Neutral wt is 38K. Set 4K on mill and rotated for 20 minutes to drill through plug. Pump a 10 bbl sweep.
04:30	05:30	– Tag plug #9 @ 12,240'. Circulate at 4600 psi on tbg and return at 3,000 psi at well head while pumping at 2.0 bpm and returning at 4.3 bpm 0n a 22/64's choke. Swivel RPM's at 120, free torque is 1,200 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 51K, SO wt is 28K, Neutral wt is 38K. Set 4K on mill and rotated for 20 minutes to drill through plug. Pump a 10 bbl sweep. Circulate hole clean while tallying pipe.
05:30	07:00	0600 –0700 Tag plug #8 with jt #403 @ 12,446'. Circulate at 3600 psi on tbg and return at 3,050 psi at well head while pumping at 2.0 bpm and returning at 3.5 bpm 0n a 17/64's choke. Swivel RPM's at 120, free torque is 1,300 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 48K, SO wt is 28K, Neutral wt is 37K. Set 6-8K on mill and rotated for 38 minutes to drill through plug. Pump a 10 bbl sweep. Continue circulating 40 bbls. Continue RIH CO to frac plug #7
07:00	09:00	0700 – 0900 PU 5 jts. Tag plug #7 with jt #408 @ 12,620.49'. Circulate at 4,400 psi on tbg and return at 3,050 psi at well head while pumping at 1.9 bpm and returning at 3.5 bpm 0n a 20/64's choke. Swivel RPM's at 120, free torque is 1,300 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 48K, SO wt is 28K, Neutral wt is 37K. Set 8-10K on mill and rotated for 50 minutes to drill through plug. Pump a 10 bbl sweep. Continue circulating 100 bbls. Continue RIH CO to frac plug #6. NOTE: Transfer 130 bbls of oil in Production tank #3 as per Bill w/Energy
09:00	10:30	0900-1030 PU 8 jts. Tag plug #6 with jt #416 @ 12,879.49'. Circulate at 4,600 psi on tbg and return at 3,050 psi at well head while pumping at 1.9 bpm and returning at 3.5 bpm 0n a 23/64's choke. Swivel RPM's at 120, free torque is 1,500 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 50K, SO wt is 32K, Neutral wt is 43K. Set 8-10K on mill and rotated for 30 minutes to drill through plug. Pump a 10 bbl sweep. Continue circulating 40 bbls. Continue RIH CO to frac plug #5. NOTE: Transfer total 323 bbls of oil in Production tank #3
10:30	12:30	1030-1230 PU 5 jts. Tag plug #5 with jt #421 @ 13,014.68'. Circulate at 4,800 psi on tbg and return at 3,150 psi at well head while pumping at 2 bpm and returning at 4 bpm 0n a 21/64's choke. Swivel RPM's at 120, free torque is 1,500 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 50K, SO wt is 32K, Neutral wt is 43K. Set 10-12K on mill and rotated for 78 minutes to drill through plug. Pump a 10 bbl sweep. EOT @ 13,044.67' w/421 jts. Continue circulating 40 bbls. Continue RIH CO to frac plug #4. NOTE: Transfer total 352 bbls of oil in Production tank #3
12:30	14:00	1230-1400 PU 5 jts. Tag plug #4 with jt #426 @ 13,189.64'. Circulate at 4,600 psi on tbg and return at 3,150 psi at well head while pumping at 2.1 bpm and returning at 3.5-4 bpm 0n a 21/64's choke. Swivel RPM's at 120, free torque is 1,500 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 51K, SO wt is 30K, Neutral wt is 43K. Set 10-12K on mill and rotated for 62 minutes to drill through plug. Pump a 10 bbl sweep. EOT @ 13,199.64' w/426 jts. Continue circulating 40 bbls. Continue RIH CO to frac plug #3. NOTE: Transfer total 352 bbls of oil in Production tank #3 & 250 bbls in #2

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Start Time	End Time	Comment
14:00	15:30	1400 -1530 PU 7 jts. Tag plug #3 with jt #433 @ 13,403.34'. Circulate at 4,400 psi on tbg and return at 3,100 psi at well head while pumping at 2 bpm and returning at 5 bpm On a 20/64's choke. Swivel RPM's at 120, free torque is 1,500 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 51K, SO wt is 29K, Neutral wt is 44K. Set 10-12K on mill and rotated for 38 minutes to drill through plug. Pump a 10 bbl sweep. EOT @ 13,415.34' w/433 jts. Continue circulating 40 bbls. Continue RIH CO to frac plug #3. NOTE: Transfer total 352 bbls of oil in Production tank #3 & 340 bbls in #2
15:30	16:45	1530 -1645 PU 7 jts. Tag plug #2 with jt #440 @ 13,607.43'. Circulate at 4,400 psi on tbg and return at 3,150 psi at well head while pumping at 2 bpm and returning at 5 bpm On a 21/64's choke. Swivel RPM's at 120, free torque is 1,500 ft/lbs and 2,400-2,800 ft/lbs while weight is on mill. PU wt is 51K, SO wt is 29K, Neutral wt is 44K. Set 10-12K on mill and rotated for 30 minutes to drill through plug. Pump a 10 bbl sweep. EOT @ 13,632.43' w/440 jts. Continue circulating 40 bbls. Continue RIH CO to frac plugs #1. NOTE: Transfer total 352 bbls of oil in Production tank #3 & 358 bbls in #2 & 82 bbls in #1
16:45	17:45	1645-1745 - PU 6 jts. Tag plug #1 with jt #446 @ 13,808.36'. Circulate at 4,800 psi on tbg and return at 3,150 psi at well head while pumping at 2 bpm and returning at 5 bpm On a 19/64's choke. Swivel RPM's at 120, free torque is 1,500 ft/lbs and 2,400-2,900 ft/lbs while weight is on mill. PU wt is 51K, SO wt is 29K, Neutral wt is 44K. Set 12-14K on mill and rotated for 30 minutes to drill through plug. Pump a 10 bbl sweep. EOT @ 13,818.36' w/446 jts. Continue circulating 50 bbls. Continue RIH CO to frac plugs #14,004.14'. NOTE: Transfer total 352 bbls of oil in Production tank #3 & 358 bbls in #2 & 203 bbls in #1
17:45	18:30	Wash down to 14,004'. Wash down to 14,004'. Pump a staggered sweep. 30/10/20 = 30 polymer/10 3%KCL/20 polymer mixed with a blue dye for verification of return.
18:30	23:00	– Circulated well bore clean with 525 bbls 3% unused KCL.
23:00	00:00	RD power swivel. Start POOH laying down the 2 3/8" PH6 P-110 tbg.

Report Start Date	Report End Date	24hr Activity Summary
10/13/2013	10/14/2013	POOH and LD 97 jts 2 3/8" PH6 WS tbg. Circulate one hole volume and sweep hole. Continue POOH LD tbg to balance point.

Start Time	End Time	Comment
00:00	04:15	LD 97 jts of tbg and rig up to circulate. Pump a 20 bbls viscous sweep followed by 10 bbls KCL and another 10 bbl viscous sweep. We are pumping at 2bpm / 4700 psi with returns coming at 3,000 psi / 4.7 bpm on a 21/64's choke. Tied the WOR back double fast. We have transferred over 750 bbls oil since 1800 hrs. We are currently making 165 bbls oil per hour when flowing the well without pumping at 4.6 bbls per minute on a 19/64's choke to keep the WH pressure at or below 3,000 psi and the O/W ratio is at 60/40.
04:15	06:00	– Continue POOH with 2 3/8" PH6 WS tbg. LD tbg to balance point and leave 100 jts in the hole.
06:00	06:45	0641 POOH/LD 202 jts on pipe rack. Left 250 jts in hole. EOT @ 7,750' "TM".
06:45	08:00	0744 RU Preferred (truck #9) pump line to flow cross. Started pump at .75 bpm, 4800 psi. Found that the suction manifold and swabs on triplex pump leaking. SD Preferred Hot Oiler truck #9 due to safety issue.. Preferred Hot Oiler on location to wash out tbg head and BOP.
08:00	08:30	Waiting on an ETA for another Hot Oiler.
08:30	08:45	MIRU Preferred Hot Oiler (truck #7) to flow cross to wash out tbg head & BOP w/25 bbls of 250 degree water.

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Start Time	End Time	Comment
08:45	09:00	RU second Preferred Hot Oiler to flow cross. Attempt to pressure test line to 4500 psi, the swabs on the triplex pump was leaking. Would not hold pressure. Made a call into Chris Meacham and was discuss to release Preferred until they fix there equipment. and was decided to land tubing hanger w/TWCV in place.
09:00	11:30	0900-1130 - SWI. SICP 3,800 psi. MIRU Cameron test unit. Perform dead head test against test unit to 10,000 psi for 10 min. Test good. BO pressure. MU RBS X/Over sub 2-3/8" PH-6 pin x 2-3/8" 8rd pin, Cameron 7" 2-3/8" tubing hanger w/TWCV in place, RBS X/Over sub 2-3/8" 8rd pin x 2-3/8" PH-6 box & 1 jt of 2-3/8' PH-6 tubing & 2" TIW valve. Equalize from well across BOP. Snubbed in & Land tubing hanger w/TWCV in place. Secured lock-in-pins. Open 9-5/8" surface casing. SISCP = 80 psi. Bleed off 9-5/8" surface casing to 0 psi. Runner on location and loading 224 jts of (D) 2-3/8" PH-6 tubing w/tread protector on both ends. (WS). BO pressure off BOP stack to 0 psi. Closed 2-3/8" pipe rams. Filled BOP stack w/50/50 blends (Fresh water/Methanol). Pressure test tubing hanger to 380 psi for low, for 5 min. Test good. BO pressure. Test same to 10,000 psi for high, for 10 min. Test good. BO pressure. Open 2-3/8" pipe rams. LD landing jt w/RBS X/over sub 2-3/8" 8rd pin x 2-3/8" PH-6 box. Closed blind shear rams. Pressure test TWCV to 250 psi for low, for 5 min. Test good. BO pressure. Test same to 10,000 psi, for 10 min. Test good. BO pressure. .
11:30	15:00	RD Nabors rig floor. ND Weatherford 5K 7-1/16" Annular preventer. MIRU MT States 5K 7-1/16" Snubbing unit
15:00	16:30	MT States change out bag element in Annular preventer.
16:30	18:30	Pressure testing #2 blind rams to 250 psi for low, for 5 min. Test good. BO pressure. Pressure test to 5,000 psi for high, for 10 min. Test good. BO pressure. PU 1 jt 2-3/8 PH-6 w/RBS X/Over sub 2-3/8" 8rd pin x 2-3/8' PH-6 box w/TIW valve. Ran tbg through snubbing stack and BOP stack. Screw jt into tbg hanger. Closed #3 pipe rams. Pressure test to 250 psi for low, for 5 min. Test good. BO pressure. Pressure test to 5,000 psi for high, for 10 min. All tested good.
18:30	19:30	Secure well and location. Release all personnel. SDFN.
19:30	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
10/14/2013	10/15/2013	Snub out of hole with remainder if 2 3/8" PH6 workstring tubing and DO BHA. Flush BOPE and flowback iron with 200 degree water. Change out pipe rams on both the snubbing unit and the BOP.

Start Time	End Time	Comment
00:00	06:45	No Activity. Wait on day light to snub OOH
06:45	07:15	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor
07:15	10:00	Open well. SICP 3,950 psi. Equalize from well across BOP. Unsecure lock-in-pins. Pulled tbg hanger up through BOP and hung up on MT States #3 pipe rams. Attempt to work tbg hanger through #3 pipe rams w/no result. pulled 8000 over string weight. (28,000 lbs). Open doors on #3 pipe rams. Had lots of heavy paraffin in BOP. Did not see nothing inside pipe rams that tbg hanger would be catching on. Closed #3 doors. Equalize from well across BOP w/4,000 psi. No leaks on doors. Closed #1 pipe. Open Weatherford pipe rams. Open equalizing line on snubbing unit. FB well at 4,000 psi through 12/64" choke until heavy paraffin out of BOP stack and snubbing unit. Pulled tbg hanger through snubbing unit. LD land jt w/RBS X/over sub 2-3/8" 8rd pin x 2-3/8" PH-6 box. Cameron pulled TWCV. Removed 7" 2-3/8" 8rd tbg hanger.

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Start Time	End Time	Comment
10:00	18:15	POOH/LD 90 jts 2-3/8" PH-6, R Nipple, 63 jts 2-3/8" PH-6. RU MT States fast line to LD tbg. Snub/POOH w/97 jts 2-3/8' PH-6 (WS), Dual flapper valve, bit sub & 4-5/8" 5 Blade concave inserted Mill. Advantage Hot Oiler continue to heat Paraffin in FB tanks. 4-C transferring oil from FB tanks to Production tanks. Maverick hauling off oil from Production tanks. Runner on location to PU & load 252 jts of 2-3/8" PH-6 (WS) and return tbg to Runners yard.
18:15	19:00	Pre Tour / Pre Job safety meeting. Topics discussed: Flushing BOP stack inside and out useing H.O.T. Changing pip and blind rams on both BOP and snubbing unit. Working as a team. 100% tie off. Working under pressure. SSE's and their mentors. Communication.
19:00	21:30	RU H.O.T. and flush out BOP, Snubbing unit and flowback iron with 200 degree produced fluid.
21:30	00:00	Change out both sets of pipe rams on both the Weatherford BOP and the Mountain States snubbing unit. Change out the Hydril element on the Mountain States snubbing unit.

Report Start Date	Report End Date	24hr Activity Summary
10/15/2013	10/16/2013	Change out hydril on snubbing unit. Pressure test all pipe rams and hydril. MU production BHA and snub in hole with 305 jts tbg while flowing well to keep the well head pressure down in the hydrill. Flush BOP, WH bowl and FB iron. Land hanger.

Start Time	End Time	Comment
00:00	01:30	Change out hydril element in snubing unit.
01:30	04:30	Pressure test of all pipe ram blocks as per NFX guidelines completed.
04:30	18:30	0430-0530 – Make up BHA as per program: 2 7/8" EUE Mule Shoe, 2 7/8" x 6' L-80 pup jt, 2 7/8" Ceramic rupture disk, 2 7/8" x 6' L-80 pup jt, "XN" nipple, 1 jt 2 7/8" L-80 tbg, 2 7/8" "X" nipple. Snub in hole with 11 jts 2 7/8" L-80 production tbg. 0725-0930 - Currently RU BO line to working tanks. Snubbing/RIH bag to ram w/BHA on BTM of 2-7/8" L-80 tbg. FCP 3500 psi through 17/64" choke. Getting back 3.5 bbls in return. Snub 14 jts 2-7/8" L-80 tbg in hole w/BHA. EOT @ 495'. 0930-1144 Continue to snub/RIH bag to ram w/BHA on BTM of 43 jts 2-7/8" L-80 tbg. EOT @1,486'. FCP 3,850 psi through 14/64" choke. Getting 1.25 BPM back in return. 4-C hauling off FB water. 4-C transfer oil from FB tanks to Production tanks. 1144-1330 Continue to snub/RIH bag to ram w/BHA on BTM of 88 jts 2-7/8" L-80 tbg. EOT @ 2,898'. FCP 4,000 psi through 15/64" choke. Getting 2 BPM back in return. 4-C hauling off FB water. 4-C transfer oil from FB tanks to Production tanks. Plan Forward: Snub/RIH w/BHA on BTM of 2-7/8" L-80 tbg to 9,940' +/-. RU Hot Oiler to wash out BOP stack & tbg head to land tbg hanger. 1330-1600 - Continue to snub/RIH bag to ram w/BHA on BTM of 135 jts 2-7/8" L-80 tbg. EOT @ 4,425'. FCP 3,950 psi through 15/64" choke. Getting 1.5 BPM back in return. 4-C hauling off FB water. 4-C transfer oil from FB tanks to Production tanks. Filling tbg every 1,000'. 1600 Continue RIH w/BHA on BTM of 190 jts 2-7/8" L-80 tbg. EOT @ 6,207'. FCP 3,400 psi through 26/64" choke. Getting 3 BPM back in return. 4-C hauling off FB water. 4-C transfer oil from FB tanks to Production tanks. Filling tbg every 1,000'. 1600-1830 – Finished MIH with production BHA and 305 jts 2 7/8" L-80 tbg. Install Cameron tbg hanger with TWCV.

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
18:30	19:00	– Pre Tour/Pre Job safety meeting.
19:00	20:45	1900-2000 - Rig up hot oil truck and heat up produced water to 200 degrees to flush Well Head bowl, BOP, flowback iron and snubbing stack. 2000-2045 – Pump 15 bbls 200 degree water through stack to wash paraffin. Pump 10 bbls 200 degree water to wash out FB iron. Bullhead another 15 bbls down casing to wash bowl.
20:45	22:00	2045-2200 – Land tubing hanger. Screw in lockdown pins. Close lower rams on jt and pressure test to 10,000 psi, no good. We leaked off 150 psi in 5 min. Open rams and LD landing jt. Close blind rams (low pressure) and re-test to 10,000 psi for 10 minutes, good test.
22:00	00:00	ND Mountain States snubbing unit. ND Weatherford BOPE.

Report Start Date	Report End Date	24hr Activity Summary
10/16/2013	10/16/2013	RDMO WOR. Clean location.

Start Time	End Time	Comment
00:00	01:30	NU Cameron 10K production tree. We had to break lower flange apart and rotate tree 1 bolt hole so that it would line up with flow line. Tested void to 10K, test good.
01:30	02:30	Pressure test tree to 10,000 psi (shell test), test good. Pulled TWCV. Closed all valves on production tree. RDMO B&G Crane and Cameron WH Tech.
02:30	06:00	All well work is done for today. We are continuing to heat and transfer oil from FB and frac tanks.
06:00	06:45	No Activity Wait on daylight to RDMO Nabors WOR & Equipment
06:45	07:00	Hold Pre Job Safety meeting w/all personnel on location. Review JSA and discuss Safety meeting area, PPE, FRC Clothing, Pinch Points, Pressure Release, and Smoking Area. Speed limit on lease roads, signing in /out. Overhead loads & trip and falls. Explain green hat polices and mentor
07:00	08:45	RDMO Nabors WOR #1406 & equipment.
08:45	10:00	RU Wetherford pump line to Production Tree. Construction rig in flow line to Production line.
10:00	11:00	RU Weatherford pump line to Production tree. Pressure test line to 7,600 psi. Test good. BO pressure. Fill tbg w/2.5 Bbls of 3% KCL water at 1.6 bpm, 0 psi. Pressure up on tubing to 3,400 psi to pump disc out. Establish pump rate at 3.4 bpm, 3,900 psi. Pumped 120 bbls 2 tbg volume. SD, SWI. ISDP 3,350 psi. 9-5/8" casing 0 psi.
11:00	23:00	Release all rental equipment on location.

API well Number: 4301352108000

RECEIVED: Nov. 11, 2013

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6246

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: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Patterson 4-9-3-3WH-W15

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521080000

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: 0248 FNL 1073 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 09 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11.

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion: 9/25/2013
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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: Patterson 4-9-3-3WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
6/19/2013	6/20/2013	Set 60' of 20" conductor pipe. Wait on Surface Rig.

Start Time	End Time	Comment
00:00	00:00	Pete Martin Rig #16 spudded 26" hole on 06/19/2013 and drilled to 35' GL. Hole started falling in with cobble rocks at 32' GL. Filled hole with 12.0 PPG fresh water mud on 06/20/2013. Finished drilling hole to 60' GL. Set 20", 52.78# (0.250" wall), SA53B conductor pipe at 60' GL and cemented to surface with Pro Petro Cementers on 06/20/2013. Cement Job: Pumped 20 bbls fresh water flush ahead of cement. Mixed and pumped 225 sacks (46 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 16 bbls fresh water. Finished pumping @ 16:20 PM on 06/20/2013. 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 @ 21:30 PM on 06/17/2013 to spud conductor hole on 06/19/2013. Wait on Surface Rig.

Report Start Date	Report End Date	24hr Activity Summary
6/30/2013	7/1/2013	Move in from Ute Tribal 4-1-12-3-4WH. Start rigging up.

Start Time	End Time	Comment
00:00	00:00	Move in from Ute Tribal 4-1-12-3-4WH. Start rigging up.

Report Start Date	Report End Date	24hr Activity Summary
7/1/2013	7/2/2013	Finish rigging up. Trip in hole to 60' GL. Spud 17.50" hole @ 12:30 PM on 07/01/2013. Drill from 60' GL to 580' GL while taking surveys every 250'.

Start Time	End Time	Comment
00:00	08:30	Finish rigging up.
08:30	10:00	Start picking up BHA. Trip in hole to 60' GL.
10:00	12:30	Work on pumps.
12:30	17:00	Spud 17.50" hole @ 12:30 PM on 07/01/2013. Drill from 60' GL to 280' GL.
17:00	17:30	Circulate for survey. Take Single Shot survey @ 220' GL = 0.50 Degrees.
17:30	19:00	Drill from 280' GL to 400' GL.
19:00	20:00	Change rubber size in rotating head.
20:00	23:00	Drill from 400' GL to 550' GL.
23:00	23:30	Circulate for survey. Take Single Shot survey @ 490' GL = 0.75 Degrees.
23:30	00:00	Drill from 550' GL to 580' GL.

Report Start Date	Report End Date	24hr Activity Summary
7/2/2013	7/3/2013	Drill from 580' GL to 880' GL. Take survey. Drill from 880' GL to 1150' GL. Take survey. Drill from 1150' GL to 1240' GL. Fix leak in top drive. Drill from 1240' GL to 1360' GL.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
00:00	08:30	Drill from 580' GL to 880' GL.
08:30	09:00	Circulate for survey. Take Single Shot survey @ 820' GL = 0.50 Degrees.
09:00	16:00	Drill from 880' GL to 1150' GL.
16:00	16:30	Circulate for survey. Take Single Shot survey @ 1090' GL = 0.75 Degrees.
16:30	19:00	Drill from 1150' GL to 1240' GL.
19:00	20:00	Fix leak in top drive.
20:00	00:00	Drill from 1240' GL to 1360' GL.

Report Start Date	Report End Date	24hr Activity Summary
7/3/2013	7/4/2013	Drill from 1360' GL to 1420' GL. Take survey. Drill from 1420' GL to 1465' GL. Replace hydraulic pump on rig. Drill from 1465' GL to 1570' GL.

Start Time	End Time	Comment
00:00	04:30	Drill from 1360' GL to 1420' GL.
04:30	05:30	Circulate for survey. Take Single Shot survey @ 1360' GL = 1.25 Degrees.
05:30	08:30	Drill from 1420' GL to 1465' GL.
08:30	15:30	Replace hydraulic pump on rig.
15:30	00:00	Drill from 1465' GL to 1570' GL.

Report Start Date	Report End Date	24hr Activity Summary
7/4/2013	7/5/2013	Drill from 1570' GL to 1630' GL. TD 17.50" hole @ 03:30 AM on 07/04/2013. Circulate. Take survey. Make wiper trip. Circulate. Trip out of hole. Start running surface casing.

Start Time	End Time	Comment
00:00	03:30	Drill from 1570' GL to 1630' GL. TD 17.50" hole @ 03:30 AM on 07/04/2013.
03:30	05:00	Circulate for short trip.
05:00	05:30	Take Single Shot survey @ 1570' GL = 1.00 Degree.
05:30	11:30	Trip out of hole to drill bit. Check pipe count. Trip back to bottom. Had to wash last 120' back to bottom.
11:30	13:30	Circulate to trip out of hole and run surface casing.
13:30	17:00	Trip out of hole to run surface casing.
17:00	18:00	Rig up to run surface casing. Well flowing 45 gallons per minute at the start of running casing. First sign of water flow while drilling was at 430' GL.
18:00	00:00	Start running surface casing. 14 joints (590') left to run at report time. Had to start washing through intermittent tight spots at 760' GL. Casing details will be on next report.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
7/5/2013	7/6/2013	Run surface casing and pump cement job. Release rig @ 18:00

Start Time	End Time	Comment
00:00	05:30	Run 38 jts (1612.53') of 13 3/8", 54.5#, J-55, BT&C casing with Top-Co guide shoe and float collar. 14 centralizers spaced 10' from the shoe, on top of joints #2 and #3 then every 3rd collar to surface. Landed @ 1612.53' GL, Float Collar @ 1567.21' GL. Had to start washing through intermittent tight spots at 760'
05:30	06:30	Circulate with casing on bottom.
06:30	08:00	Weld top cap from casing to conductor pipe.
08:00	09:00	Circulate casing with rig pump. Rig up Pro Petro Cementers.
09:00	11:00	Cement Job: Pumped 20 bbls fresh water & 40 bbls gelled water flush ahead of cement. Lead: Mixed and pumped 535 sacks (272 bbls) of Type V Cement with 16% Gel, 10 #/sk Gilsonite, 2#/sk Gr3, 3% Salt, and 1/4 #/sk Flocele. Mixed cement @ 12.1 ppg with yield of 2.86 cf/sk. Tail: Mixed and pumped 675 sacks (138 bbls) of Premium Class G Cement with 2% CaCl2, and 1/4 #/sk Flocele. Mixed cement @ 15.8 ppg with yield of 1.15 cf/sk.
11:00	18:00	Wait on cement, clean pits, and rig down. Release rig @ 18:00

Report Start Date	Report End Date	24hr Activity Summary
8/7/2013	8/8/2013	Rig down Lejeune 1-17-3-2WH

Start Time	End Time	Comment
18:00	00:00	Rig down Lejeune 1-17-3-2WH.

Report Start Date	Report End Date	24hr Activity Summary
8/8/2013	8/9/2013	Rig down on old location move back yard, lower derrick

Start Time	End Time	Comment
00:00	00:00	Rig down and move out back yard and set in and rig up on new location, lower derrick , rig down draw works, EST spud 8-14-2013

Report Start Date	Report End Date	24hr Activity Summary
8/9/2013	8/10/2013	Rig down Lejeune 1-17-3-2WH,MOB, MIRU Patterson 4-9-3-3WH

Start Time	End Time	Comment
00:00	18:00	Rig up back yard on new location pump suction lines pop off lines, air lines , Remove derrick from floor, remove derrick board, pull drawworks off the floor and load out to shop for repair @ 0900 AM, remove floor motors, pull racking boards, rotary table, spreader beams, un stack subs, nipple down bop and make final cut on casing install tubing head with back pressure valve bolt up and test to 9000 psi for 15 mins, set sub mats on new location set bottom subs, stack middle sub on off driller side,
18:00	00:00	Pressue wash rig, and rig up misc, while waiting on daylights

Report Start Date	Report End Date	24hr Activity Summary
8/10/2013	8/11/2013	MIRU on Patterson 4-9-3-3WH

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
00:00	18:00	Stack subs, set spreader beams, floor motors, set BOP's, set trip tank, peak centerfugies and stands, gas buster, chang out fingers in derrick board , put derrick together, raise a-legs, dress the derrick, realeased one crane at 1500 hrs, 100% moved of off old location, 70% rigged up on new location
18:00	00:00	Dress out derrick, pressure wash rig, and wait on daylights

Report Start Date	Report End Date	24hr Activity Summary
8/11/2013	8/12/2013	Set in loads and rig up on Patterson 4-9-3-3WH

Start Time	End Time	Comment
00:00	00:00	PJSM with curts crane service,pioneer rig crews, newfield rep, engage managment, rig crane to derrick pick and pin to floor, finish dressing derrick, pin derrick board, install drawworks and rig up, set change house, bar tanks, rig floor stairs around rig, service loop, flow line,set doghouse, water tank, 400 bbl up rights

Report Start Date	Report End Date	24hr Activity Summary
8/12/2013	8/13/2013	raise derrick and rig up top drive and floor

Start Time	End Time	Comment
00:00	00:00	Rig up return water lines from sub to rig water tank turn on water pumps and check for leaks, burn in new brakes, adust brake linkages, spool on drill, put wraps on drill line anchor,install all gaurds to draw works, set in floor mats, installed flowline nipple, rig up gas buster lines, organize top dog house and hopper lights, conduct drop Insp on derrick, raised derrick, set hyd catwalk, rig up air hoists, install floor plates, un bridle derrick, (While Rasing Derrick After Pioneer Crews Conducted a Drops Insp 2, 2x4s fell out of the derrick board) Install and modify beaver slide, install top drive track, Hook up power to solids control equipment and test rotation on motors,

Report Start Date	Report End Date	24hr Activity Summary
8/13/2013	8/14/2013	Install top drive and rig up

Start Time	End Time	Comment
00:00	00:00	[HPJSM & JSA] R/U top drive service loop, Hook Service loop up to the top drive vfd house, run top drive console cables to rig floor,rig up pre mix tank,install choke line & kill line on Bops, P/U top drive and set on rig floor w/ crane, Tie top drive onto blocks and install top drive and track in the derrick, rig up top drive, hook up bridle lines and raise stack to install bolts on top of the spacer spool, torque all flanges on bop, HCR and choke lines, kill line, perform pre spud check list using upshaws inspection performed by NFX safety rep, Engage management, and Pioneer HSE

Report Start Date	Report End Date	24hr Activity Summary
8/14/2013	8/15/2013	Torque bolts on top drive, install bells & elevators, R/U tongs, Install camera & saila block on derrick, P/U mousehole, Rig up hydraulic lines to bop, change pipe rams F/ 4.5 to 5", continue rigging up floor.PJSM, W/ Eager beaver testers, Testing bop, Working on pre-upshaw inspection, Install wearbushing.

Start Time	End Time	Comment
00:00	07:00	[HPJSM & JSA] Change out saver sub on top drive, install torque rings to the saver sub, install bails & elevators, rig up tongs on rig floor, install camera & sala blockon derrick board, P/U mouse hole, Hook up Hyd lines on bop & fuction test, Change out btm pipe rams f/ 4.5" to 5" soild body rams. Cont to perform safety check list using upshaws inspection performed by NFX safety rep, Engage management, and Pioneer HSE.
07:00	18:00	[HPJSM - JSA] w/ Testers, Rig Up testers & Test BOP's as Follows, koomey test, test pipe rams, blind rams, 250 psi low, 5000 psi high HCR, 4" Manual, Kill valve, choke manifold 250 psi low, 5000 psi high, test annular 250 psi low 3500 psi high, casing test 1500 psi for 30 mins, test floor vavles, top drive valves and back to the mud pumps to 250 psi low 4000 psi high. Start to Cond & Build WBM Vol in mud tanks. Work on Deficiencies that was found on insp while testing bops. Rig Down Testers
18:00	23:30	[HPJSM & JSA] Cont to work on Safety Action Items that was found on Pre Upshaw Insp.
23:30	00:00	Install wear bushing & tightnen lock down bolts to wear bushing.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
8/15/2013	8/16/2013	(FRR 9/14/2013) P/U Directional assembly, P/U & TIH w/ 5" drill pipe f/ 108' to 1074', Rig Service, Cont, P/U & TIH w/ 5" drill pipe f/ 1074' to 1534', Drill Cement & Float Equipment. FC @ 1568' FS @ 1612'. Drill 10' Of New Formation F/ 1657' to 1667', Drill 12.25"vertical section F/ 1667' to 1736', Rig Service, Replace Broken Pony Rod on #1 Mud Pump, Drill 12.25"vertical section F/ 1736' to 2206, Install rotating rubber, Drill 12.25"vertical section, F/ 2206' to 2300'.

Start Time	End Time	Comment
00:00	03:00	[HPJSM & JSA] P/U Directional assembly as follows, 1- 12.25 FX65D bit, 1- Leam 7.75" mud motor, 1- Float sub, 2-NMDC, 1-Shock Sub,1- XO, 24 Jts of 5" HWDP,1-Jar, 6 Jts of 5" HWDP, (Install Corrosin Ring on top of the XO)
03:00	05:00	[HPJSM & JSA] P/U & TIH w/ 5" drill pipe f/ 108' to 1074' Make & Break Each Conn on drill pipe.
05:00	05:30	[HPJSM & JSA] Routine Rig Service
05:30	07:00	[HPJSM & JSA] Cont, P/U & TIH w/ 5" drill pipe f/ 1074' to 1534' Make & Break Each Conn on drill pipe. Tagged Cement @ 1534'
07:00	10:30	[HPJSM - JSA] Drill Cement & Float Equipment. FC @ 1568' FS @ 1612'. Drill 10' Of New Formation. (Spud Well @ 08:00 on 8/15/2013) Circ. B/U @ 1,667' & Spot Pill. Preform FIT Equivelent Test Psi 130 = MW = 12.0 ppg.
10:30	11:30	[HPJSM - JSA] Drill 12.25"vertical section with MM and FX65D bit F/ 1612' To 1736' total 124' @ 124 FPH. WOB 10 to 40k. 612 GPM, TD RPM 45, RPM MM 177 total RPM 222. 300 to 450 DIFF Press. 4 to 8 K torque. SPP 2600, (Rot 124' @ 1.0 hrs) (SLD 0' @ 0 hr) Present mud weight 10.5 ppg.
11:30	12:00	[HPJSM & JSA] Routine Rig Service
12:00	13:00	[HPJSM & JSA] Replace Broken Pony Rod on #1 Mud Pump.
13:00	21:00	[HPJSM - JSA] Drill 12.25"vertical section with MM and FX65D bit F/ 1736' To 2206' total 470' @ 58 FPH. WOB 10 to 40k. 612 GPM, TD RPM 45, RPM MM 177 total RPM 222. 300 to 450 DIFF Press. 4 to 8 K torque. SPP 2600, (Rot 420' @ 4.5 hrs) (SLD 50' @ 3.5 hr) Present mud weight 10.5 ppg.
21:00	21:30	Install rotating head rubber.
21:30	00:00	[HPJSM - JSA] Drill 12.25"vertical section with MM and FX65D bit F/ 2206' To 2300' total 94' @ 37.6 FPH. WOB 10 to 40k. 612 GPM, TD RPM 45, RPM MM 177 total RPM 222. 300 to 450 DIFF Press. 4 to 8 K torque. SPP 2600, (Rot 79' @ 1 hrs) (SLD 15' @ 1.5 hr) Present mud weight 10.5 ppg.

Report Start Date	Report End Date	24hr Activity Summary
8/16/2013	8/17/2013	(FRR 9/14/2013) Rig Service, Drill F/ 2300' to 2961', Rig Service, Drill F/ 2961' to 3355', Tighting pony rod clamps on pump 1,2&3, Drill F/ 3355' to 3716'.

Start Time	End Time	Comment
00:00	00:30	[HPJSM & JSA] Routine Rig Service
00:30	11:30	[HPJSM - JSA] Drill 12.25"vertical section with MM and FX65D bit F/ 2300' To 2961' total 661' @ 60.1 FPH. WOB 10 to 40k. 540 GPM, TD RPM 45, RPM MM 177 total RPM 222. 300 to 450 DIFF Press. 4 to 8 K torque. SPP 2600, (Rot 651' @ 9.5 hrs) (SLD 10' @ 1.5 hr) Present mud weight 10.5 ppg.
11:30	12:00	[HPJSM & JSA] Routine Rig Service

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
12:00	18:30	[HPJSM - JSA] Drill 12.25"vertical section with MM and FX65D bit F/ 2961' To 3355' total 394' @ 60.6 FPH. WOB 10 to 40k. 780 GPM, TD RPM 45, RPM MM 226 total RPM 271. 300 to 600 DIFF Press. 5 to 11K torque. SPP 3500, (Rot 384' @ 5.5 hrs) (SLD 10' @ 1 hr) Present mud weight 10.7 ppg. (Running 3 pumps @ 115 Strokes on each pump)
18:30	19:00	Tighting pony rod clamps on # 1,2,3 pumps.
19:00	00:00	[HPJSM - JSA] Drill 12.25"vertical section with MM and FX65D bit F/ 3355' To 3716' total 361' @ 72.2 FPH. WOB 10 to 40k. 780 GPM, TD RPM 45, RPM MM 226 total RPM 271. 300 to 600 DIFF Press. 5 to 11K torque. SPP 3500, (Rot 361' @ 5 hrs) (SLD 0' @ 0 hr) Present mud weight 10.7 ppg. (Running 3 pumps @ 115 Strokes on each pump)

Report Start Date	Report End Date	24hr Activity Summary
8/17/2013	8/18/2013	(FRR 9/14/2013) Rig Service, Drill F/ 3716' to 4470', Rig Service, Drill F/ 4470' to 5357',

Start Time	End Time	Comment
00:00	00:30	Rig Service.
00:30	12:30	[HPJSM - JSA] Drill 12.25" Hole Section F/ 3,716' To 4,470' total 754' @ 60 FPH. (3 Pumps on the hole @ 115 Strokes a piece) Check Crown O Matic
12:30	13:00	[HPJSM & JSA] Routine Rig Service & BOP Drill 1 min 20 sec function test Pipe Rams
13:00	00:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 4,470' To 5357' total 887' @ 80 FPH. (3 Pumps on the hole @ 115 Strokes a piece)

Report Start Date	Report End Date	24hr Activity Summary
8/18/2013	8/19/2013	(FRR 9/14/2013) Rig Service, Drill F/ 5357' to 5790', Rig Repair, Drill F/ 5790' to 6073', Rig Service, Drill F/ 6073' to 6386',

Start Time	End Time	Comment
00:00	00:30	[HPJSM & JSA] Routine Rig Service
00:30	05:30	[HPJSM - JSA] Drill 12.25" Hole Section F/ 5,357' To 5,790' total 433' @ 86.6 FPH. (3 Pumps on the hole @ 115 Strokes a piece)
05:30	06:00	[HPJSM & JSA] Fix MD Totco & Weight Indicator
06:00	13:30	[HPJSM - JSA] Drill 12.25" Hole Section F/ 5,790' To 6,073' total 283' @ 40.4 FPH. (3 Pumps on the hole @ 115 Strokes a piece) Raise Mud Weight f/ 10.5 ppg to 10.7 ppg
13:30	14:00	[HPJSM & JSA] Routine Rig Service & Adjust breaks on draw works.
14:00	00:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 6,073' To 6386' total 313' @ 31.3 FPH. (3 Pumps on the hole @ 115 Strokes a piece) Raise Mud Weight f/ 10.5 ppg to 10.7 ppg. Drop Angle Back To Vertical

Report Start Date	Report End Date	24hr Activity Summary
8/19/2013	8/20/2013	(FRR 9/14/2013) Drill F/ 6389' to 6450', Rig Service, Drill F/ 6450' to 6733', Rig Service, Drill F/ 6733' to 7016',

Start Time	End Time	Comment
00:00	02:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 6,389' To 6,450' total 61' @ 30.5 FPH. (3 Pumps on the hole @ 115 Strokes a piece) MWT 10.7 ppg.
02:00	02:30	[HPJSM & JSA] Routine Rig Service
02:30	13:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 6,450' To 6,733' total 283' @ 28 FPH. (3 Pumps on the hole @ 115 Strokes a piece) MWT 10.7 ppg.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
13:00	13:30	[HPJSM & JSA] Routine Rig Service
13:30	00:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 6,733' To 7016' total 283' @ 27 FPH. (3 Pumps on the hole @ 115 Strokes a piece) MWT 10.7 ppg. Change out 6 Valves & Seats in #2 mud pump.

Report Start Date	Report End Date	24hr Activity Summary
8/20/2013	8/21/2013	(FRR 9/14/2013) Rig Service, Drill F/ 7016' to 7205', Rig Service, Drill F/ 7205' to 7360', Cric, check flow, pump slug, POOH F/ 7360' to 6222'.

Start Time	End Time	Comment
00:00	00:30	[HPJSM & JSA] Routine Rig Service
00:30	09:30	[HPJSM - JSA] Drill 12.25" Hole Section F/ 7016' To 7205' total 189'@ 21 FPH. (3 Pumps on the hole @ 115 Strokes a piece) MWT 10.7 ppg.
09:30	10:00	[HPJSM & JSA] Routine Rig Service
10:00	21:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 7205' To 7360' total 155'@ 14.1 FPH. (2 Pumps on the hole @ 115 Strokes a piece) Changing Swab on the # 3 Mud Pump MWT 10.7 ppg. @ 15:30 All 3 Pumps are Back On the Hole. Increase mwt f/ 10.7 ppg to 11.0 ppg Hole is showing signs of sluffing shale.
21:00	23:00	Circulate & pump hi-vis sweep, build trip slug, fill trip tank, check flow, well static, pump slug.
23:00	00:00	(PJSM) POOH to change bit & mud motor.

Report Start Date	Report End Date	24hr Activity Summary
8/21/2013	8/22/2013	(FRR 9/14/2013) Continue POOH F/ 6222' to4250', R/W F/ 4250' to 3750', Cont. pooh F/ 3750' to 2564', W/R F/ 2564 to 1664', Cont. POOH F/ 1664' to Bit, Change BHA, Rig Service, TIH F/ 100' to 1827', W/R F/ 1827' to 2800'

Start Time	End Time	Comment
00:00	03:30	[HPJSM & JSA] Cont to trip out of hole f/ 6222 to 4250 (Work tight spots @ 6119,4250)
03:30	07:30	[HPJSM & JSA] Back ream out of the f/ 4250 to 3750', Seeing sluffing Shale For 30 to 45 min's when started to back ream, 780 GPM, Top Drive Rpm's 41, Present MW 11.0 PPG
07:30	09:30	[HPJSM & JSA] Check for flow (Well Is stactic), pump slug, TOOH F/ 3750' to 2564'.
09:30	11:30	[HPJSM & JSA] Back ream out of the f/ 2564 to1664 ', 550 GPM, Top Drive Rpm's 41, Present MW 11.0 PPG
11:30	13:00	[HPJSM & JSA] Check for flow (Well Is stactic), pump slug, TOOH F/ 1664' to Surface'. Break bit & MM and L/D Both
13:00	15:30	[HPJSM & JSA] P/U & M/U Dir tools as Follows, 12.25" FX 65 D Bit, 2.12 Deg Mud Motor, Change out Mwd Probe and scribe Dir tools. & Run 1 std in the hole
15:30	16:00	[HPJSM & JSA] Routine Rig Service
16:00	18:00	[HPJSM & JSA] TIH f/ 100' to 1827' Fill Pipe Every 2000', Install Rotating Rubber
18:00	00:00	Continue TIH F/ 1827' to 2800' (washing & reaming through tight spots, when reaming signifcant large amount of cuttings coming across shakers, reaming w/ 780 GPM, Top Drive Rpm's 41, Present MW 11.2 PPG Vis 45)

Report Start Date	Report End Date	24hr Activity Summary
8/22/2013	8/23/2013	(FRR 9/14/2013) W/R F/ 2800' to 6072', TIH F/ 6072' to 7360', Drill F/ 7360' to 7487', Rig Service, Drill F/ 7487' to 7864', Rig Service, Drill F/ 7864' to 7880',

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
00:00	06:30	[HPJSM & JSA] Continue TIH F/ 2800' to 6072' (washing & reaming through tight spots, w/ 780 GPM, Top Drive Rpm's 41, Present MW 11.2 PPG Vis 45)
06:30	08:00	[HPJSM & JSA] TIH f/ 6072' to 7290' Safety Wash & Ream the last stand to bottom
08:00	13:30	[HPJSM - JSA] Drill 12.25" Hole Section F/ 7360' To 7487' total 127'@ 23 FPH. (2 Pumps on the hole @ 115 Strokes a piece) Present Mwt 11 ppg(3 pumps on the hole @ 10:00) EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
13:30	14:00	[HPJSM - JSA] - Rig service
14:00	23:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 7487' To 7,864' total 377'@ 41.8 FPH. (2 Pumps on the hole @ 115 Strokes a piece) Present Mwt 11 ppg(3 pumps on the hole @ 10:00) EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
23:00	23:30	Rig service
23:30	00:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 7864' To 7,880' total 16'@ 32 FPH. (2 Pumps on the hole @ 115 Strokes a piece) Present Mwt 11 ppg(3 pumps on the hole) EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'

Report Start Date	Report End Date	24hr Activity Summary
8/23/2013	8/24/2013	(FRR 9/14/2013) Drill F/ 7880' to 8241', Rig Service, Drill F/ 8241' to 8270',

Start Time	End Time	Comment
00:00	16:30	[HPJSM - JSA] Drill 12.25" Hole Section F/ 7880' To 8241' total 361'@ 21.8 FPH. (2 Pumps on the hole @ 115 Strokes a piece) Present Mwt 11 ppg(3 pumps on the hole) EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
16:30	17:00	Rig service.
17:00	00:00	[HPJSM - JSA] Drill 12.25" Hole Section F/ 8241' To 8270' total 29'@ 4.1 FPH. (2 Pumps on the hole @ 115 Strokes a piece) Present Mwt 11 ppg(3 pumps on the hole) EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'

Report Start Date	Report End Date	24hr Activity Summary
8/24/2013	8/25/2013	(FRR 9/14/2013) Rig Service, Drill F/ 8270' to 8430', Rig Service, Drill F/ 8430' to 8524',

Start Time	End Time	Comment
00:00	00:30	Rig service.
00:30	13:00	Drill 12.25" Hole Section F/ 8270' To 8430' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200' Woking on air line on clutch and taking link out of the drive chain on # 1 pump, The bearings on the drive shaft on the # 1 mud pump are out.
13:00	13:30	Rig service.
13:30	00:00	Drill 12.25" Hole Section F/ 8430' To 8524' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200' And tearing bearings out of # 1 pump.

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
8/25/2013	8/26/2013	(FRR 9/14/2013) Rig Service, Drill F/ 8524' to 8529',Trouble Shoot MWD, Drill F/ 8529' to 8573', Change Swab in #2 pump #2 pod, Drill F/ 8573' to 8593', Change Swab in #2 pump #1 pod, Drill F/ 8593' to 8618', Rig Service, Drill F/ 8618 to 8700;.

Start Time	End Time	Comment
00:00	00:30	Rig Service.
00:30	01:00	Drill 12.25" Hole Section F/ 8524' To 8529' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
01:00	02:30	Trouble shoot MWD RFD screen. (Change out RFD screen & Cable) Problem from connection on comand center T / rig.
02:30	12:00	Drill 12.25" Hole Section F/ 8529' To 8573' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
12:00	13:30	Change Swab on # 2 pod on # 2 pump & Circulating do to having only one pump that would run.
13:30	15:00	Drill 12.25" Hole Section F/ 8573' To 8593' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
15:00	16:00	Change Swab on # 1 pod on # 2 pump & Circulating do to having only one pump that would run.
16:00	16:30	Drill 12.25" Hole Section F/ 8593' To 8618' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
16:30	17:00	Rig Service.
17:00	00:00	Drill 12.25" Hole Section F/ 8618' To 8700' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'

Report Start Date	Report End Date	24hr Activity Summary
8/26/2013	8/27/2013	(FRR 9/14/2013) Drill F/8700'-8713', Rig Service, Drill F/ 8713'-8726', Circ. Build slug, Fill trip tank, Check Flow, Well Static, Pump Slug, POOH to 5569', Working stuck @ 5569', Continue POOH Backing Reaming F/ 5569'-2016', Pull Rotating Head, Continue POOH F/ 2016' W/ Elevators to bit, Change BHA, TIH.

Start Time	End Time	Comment
00:00	01:30	Drill 12.25" Hole Section F/ 8700' To 8713' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
01:30	02:00	Rig service
02:00	05:00	Drill 12.25" Hole Section F/ 8713' To 8726' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.2 ppg EVRY CONN PUT 2 VIS CUPS OF POLYMER DOWN THE DRILL PIPE & PUMP 30 BBL HI VIS SWEEP WITH NUT 10 SX OF NUT PLUG EVERY 200'
05:00	06:00	Circulate & build trip pill & Fill trip tank & Pump slug

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
06:00	09:00	POOH For bit & Mud motor F/ 8726' to 5569'
09:00	10:00	Work stuck pipe @ 5569' & Cock jars & jar down on pipe pipe came free.
10:00	18:30	Continue POOH F/ 5569' to 5314', Hit tight spot & Back ream F/ 5314' to 2016', With 40 RPMS on top drive & 550 GPM on pumps.
18:30	00:00	Continue POOH F/ 2016' to 1600', Pump 15 bbls slug POOH F/ 1600' to 107'. Break bit & MM and L/D Both (Pull Rotating Head Rubber)

Report Start Date	Report End Date	24hr Activity Summary
8/27/2013	8/28/2013	(FRR 9/14/2013) 00:00-03:00 L/D Dirc tools,Change out bit Mud motor & MWD tool,P/U Bit # 3 Mud motor, Scribe, 3:00-3:30 Rig Service, 3:30-5:30 Slip & Cut 125' Drill Line, 5:30-6:00 TIH F/ 1544'-2015', 6:00-11:00 Cont. TIH W/R F/ 2015'-2831', 11:00-12:00 Working pipe @ 2824 W/ particle returns, 12:00-20:30 Build volume, 20:30-21:00 Pump lcm sweep work pipe full returns, 21:00-23:00 Circ. & clean hole, 23:00-00:00 Back ream F/ 2830'-2810'.

Start Time	End Time	Comment
00:00	00:30	L/D Dirc tools (Change out bit Mud motor & MWD tool)
00:30	02:00	P/U Bit # 3 Mud motor, Scribe motor & Orient tools,
02:00	03:00	TIH to 1544' & Install rotating head.
03:00	03:30	Rig service.
03:30	05:30	Cut & Slip 125' of drilling line.
05:30	06:00	TIH F/ 1544' to 2015'
06:00	11:00	TIH F/ 2015' to 2771' With 40 Rpms & 550 Gpm. Washing & Ream Tight spots.
11:00	12:00	When latching next std F/ 2771' to 2831' hit bridge set 50K down P/U to 2818' & Turn on mud pumps and lost returns work pipe @ 2824' got parcel returns back. Shut pumps down. (loss 250 bbls of drill mud)
12:00	15:30	Build mud volume & Rotate pipe every 5 min.
15:30	20:30	Pump 70 bbl LCM sweep spot outside of the DP @ 149 GPM with 20# per bbl LCM, With no returns. Shut down build a 70 bbl 30# pr bbl LCM sweep & Build volume. Fill hole with trip tank the hole took 6 bbls of mud. (loss 130 bbls of drill mud)
20:30	21:00	Pump 70 bbls hi-vis lcm sweep, rotate 40 rpm down 20' W/ particle returns, working pipe up & down till we got full returns. (loss 70 bbls)
21:00	23:00	Circulate hole to shakers was clean & perpare to back ream out of hole. (signifcant amount of cutting coming across shaker.)
23:00	00:00	Back ream out of the F/ 2830 to 2810', 420 GPM, Top Drive Rpm's 60, Present MW 11.2 PPG

Report Start Date	Report End Date	24hr Activity Summary
8/28/2013	8/29/2013	(FRR 9/14/2013) Continued to TOOH, lay down directional tools, pick up clean up asmbly, TIH f surface t/ 1827' wash and ream f/ 1827' t/2859', TIH w/ elevators 5 stds circulating 15mins then repeating t/ 4180'

Start Time	End Time	Comment
00:00	05:00	Back Ream F/ 2810' to 1544', Lossing about 50 bbls of mud.

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
05:00	05:30	Rig service.
05:30	06:00	Build trip Slug & pump
06:00	08:30	POOH F/ 1544' to 106' (Remove rotating head rubber & L/D jars, Trouble shoot trip tank.
08:30	10:00	L/D Dirc tools
10:00	11:00	P/U slick BHA TIH to 1827'
11:00	22:00	Wash & Ream F/1827' to 2859', with 180 spm @ 400 GPM, 50 RPMS on top drive. started reaming taking no weight
22:00	00:00	TIH f/ 2859' t/4180' using elevators trip in 5 stands then circulate 15 mins

Report Start Date	Report End Date	24hr Activity Summary
8/29/2013	8/30/2013	(FRR 9/14/2013), TIH , wash and ream, circulate hole clean, mix and pump slug, TOOH

Start Time	End Time	Comment
00:00	00:30	TIH F/ 4180' to 4368' (TIH 4stdsW/ Elevators, wash down the 5th std & Circ 15 min. 180 stks 400 gpm, 50 RPMSon top drive.
00:30	05:30	Wash & Ream F/ 4368' to 5688' 180 stks 400 gpm, 50 RPMS on top drive. (Lost circ @ 5216' lost 37 bbls regain circ and continue washing and reaming.
05:30	06:00	Rig service.
06:00	07:30	Wash & Ream F/ 5688' to 6065' 180 stks 400 gpm, 50 RPMS on top drive.
07:30	10:00	TIH W/ Elevators from 6065' to 8423'. (running in with 5 stds & Circ 10 min and repeat
10:00	14:30	Wash & Ream F/ 8423' to 8726' 180 stks 400 gpm, 50 RPMS on top drive. (75' of fill)
14:30	19:00	Circ & Cond Pump high vis sweep & Reicpacating drill string Top drive rpms 80, Spm 200 = 459 gpm, mix slug, flow check well , pump slug
19:00	00:00	TOOH f/ 8726' t/ 3583', pulling @ 1.5 mins a stand while monitoring well on trip tank

Report Start Date	Report End Date	24hr Activity Summary
8/30/2013	8/31/2013	(FRR 9/14/2013), TOH, change BHA, TIH, wash and ream, rig service, Drill vertical section

Start Time	End Time	Comment
00:00	03:00	TOOH f/ 3583' t/ Surface remove rotating head rubber, lay down bit and bit sub, and float sub
03:00	03:30	Routine rig service, check brake linkages, grease draw works, and check oil levels
03:30	06:00	Pick up and make up directional bha non mag drill collars, float sub, mud motor, Shock sub , XO
06:00	08:00	TIH F/ 103' to 1635', test MWD ok, Install rotating head.
08:00	08:30	Rig service.
08:30	17:30	TIH F/ 1635' to 8427' Filling pipe every 20 stds & Wash & Ream tight spots @ 2040' to 2202', 2414' to 2420', 2500' to 2530', 2620' to 2630', 3597' to 3617'. With 30 RPMS & 200 stks 459 gpm.

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
17:30	00:00	Drill 12.25" Hole Section F/ 8726' To 8879' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.3 ppg

Report Start Date	Report End Date	24hr Activity Summary
8/31/2013	9/1/2013	(FRR 9/14/2013), Circulate and raise mud wt .1 ppg every 2 hrs to drop back ground gas

Start Time	End Time	Comment
00:00	00:30	Routine rig service
00:30	04:30	Drill 12.25" Hole Section F/ 8879' To 8985' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 11.3 ppg
04:30	00:00	Circulate clean hole and raise mud weight to lower back ground gas, 8800 units mud 11.3 ppg @ 05:00, 5 to 10' flair, Raise mud wt F/ 11.3 to 11.8, Reicpacate drill string. Mud wt in 11.8 out 10.8 back ground gas 5716 units @ 16:00. Mud wt in 12.1 out 11.6 ppg with 1303 units of gas @ 22:30 Mud wt in 12.1 out 12.0 ppg with 384 units of gas@ 00:00

Report Start Date	Report End Date	24hr Activity Summary
9/1/2013	9/2/2013	(FRR 9/14/2013) TOH, lay down directional tools, R?U franks casing crew , run 9.625" casing

Start Time	End Time	Comment
00:00	00:30	Rig service.
00:30	01:00	POH F/ 8985' to 8685' (Wiper trip 4 stds) TIH F/ 8685' to 8985'.
01:00	03:00	Circ & Cond mud (Circ B/U @ 8985', Build slug, Fill trip tank, Check flow & Pump slug)
03:00	12:00	POOH F/ 8985' to 103' for 9 5/8" casing run.
12:00	14:00	L/D Dirc tools
14:00	14:30	Pull wear bushing
14:30	15:00	Rig service.
15:00	15:30	Held safety meeting W/ Franks casing crew & Rig crews.
15:30	18:00	R/U Franks casing crew.
18:00	00:00	RIH w/ 9.625" N-80 casing f/ surface t/ 1621' circulate bottoms up , continue to RIH w/ 9.625" n-80 casing f/1621' t/2880'

Report Start Date	Report End Date	24hr Activity Summary
9/2/2013	9/3/2013	(FRR 9/14/2013), run 9.625" casing, having trouble with casing not making up circulate and wait on new casing, continue to run casing

Start Time	End Time	Comment
00:00	00:30	Rig service, check brake linkages, grease draw works, and check oil levels
00:30	02:00	Rig down casing slips and rig up new set , slips was not setting so picked up backups
02:00	09:30	Run 9.625" N-80 40# casing f/ 2880' t/ 7099' Filling every 2000' & Circ for 15 min.
09:30	11:30	Box on casing egged backed out jt collar came with it so layed down 2 jts & dress box.
11:30	16:00	Run 9.625" N-80 40# casing f/ 7099' t/ 7958' Filling every 2000' & Circ for 15 min. We are having a hard time making these jts up the LOR hand thinks it is a thread issues, We orderd more casing from C Tap & some collars because if any collars are damaged the rig is not capable of picking up the string.

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
16:00	16:30	Rig service
16:30	20:00	Had a bad collar string weight was over rig pulling rate had to change out collar, and wait on new casing to arrive on location once on location had to clean, drift, and tally 20 jts
20:00	23:30	Run 9.625" N-80 40# casing f/ 7958' t/ 8974' Filling every 2000' & Circ for 15 min
23:30	00:00	rig down franks casing crew

Report Start Date	Report End Date	24hr Activity Summary
9/3/2013	9/4/2013	(FRR 9/14/2013), Land casing, pump cement, test bop's and clean mud tanks

Start Time	End Time	Comment
00:00	00:30	R/D casing slips & elevators bails tong and related equ
00:30	01:00	Rig service
01:00	03:00	Circ hole clean with F/U tool.
03:00	03:30	Held safety meeting with Halliburton & R/D Fill up tool.
03:30	08:00	Test cement lines to 5000 psi. Pumped 40 bbls 12.3 ppg tuned spacer dropped btm plug ,mix and pumped 1425 sks of 12.5 ppg Yeild 1.97 10.63 gal per sk of Lead cement 1274 bbls, Mixed and pumped 540 sks of 14 ppg 1.3 yield 5.75 gal per sk of tail cement 125 bbls with full returns. Dropped the plug and pumped 10 bbls of fresh wtr, And 30 bbls Diesel, 617 bbls of 13.5 ppg OBM, final pump rate 8.0 bpm, 682 psi, Bumped the plug with 2072 psi. 5.5 bbl flow back Floats held. 30 bbls of cement back to surface.
08:00	09:00	R/D Halliburtons iron lines and related equ
09:00	10:30	Lay down landing jt, P/U 5" jt of drill pipe and insert pack off & Test to 5000 psi for 10 min test okay.
10:30	11:00	Rig service.
11:00	11:30	Install bells and elevator to top drive. while cleaning mud tanks
11:30	19:30	Rig Up testers & Test BOP's as Follows, koomey test, test pipe rams, blind rams, 250 psi low, 6200 psi high HCR, 4" Manual, Kill valve, choke manifold 250 psi low, 6200 psi high, test annular 250 psi low 5000 psi high, casing test 1500 psi for 30 mins, test floor valves, 250 low 6200 . Rig Down Testers,
19:30	20:00	Install wear bushing and run in set screws
20:00	22:00	Clean mud tanks, and drying shaker settling tanks
22:00	00:00	Install all screens on rig shakers and drying shakers, transfer OBM from tank farm to mud tanks across shakers

Report Start Date	Report End Date	24hr Activity Summary
9/4/2013	9/5/2013	(FRR 9/14/2013) Pick up BHA, TIH, drill cement and float equip, drill to KOP

Start Time	End Time	Comment
00:00	02:00	Pick up mud motor, float sub, non mags, xo, MWD, filter sub, split MWD, bit and make up the same
02:00	02:30	Change out rotating head rubber and install
02:30	05:30	Trip in the hole from surface t/ 4851' filling pipe every 2000'

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
05:30	06:00	Rig service.
06:00	08:30	Trip in the hole from 4851' to 8911' filling pipe every 2000', Tagged cement at 8911'.
08:30	10:30	Drill Cement & Float Equipment. FC @ 8933' FS @ 8974'. Drill 15' Of New Formation.
10:30	12:00	Circ & Cond, Max gas 3500 units, Mud wt in 13.5 out 13 ppg, Circ until mud wt was 13.5 ppg in and out. & pump high vis sweep spot on bottom.
12:00	13:00	Perform FIT Equivalent Test Psi 1170 = 16 ppg EMW. Held 1170 psi for 4 min pressure dropped to 1150 psi.
13:00	16:30	Drill 8.75" Hole Section F/ 9000' To 9095' (2 Pumps on the hole @ 105 Strokes a piece) Present Mwt 13.5 ppg
16:30	17:00	Rig service, grease top drive and drops inspection
17:00	00:00	Drill 8.75" Hole Section F/ 9095' To 9413' (2 Pumps on the hole @ 105 Strokes a piece) Present Mwt 13.5 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/5/2013	9/6/2013	(FRR 9/14/2013) Drill curve, rig service, circ, TOH

Start Time	End Time	Comment
00:00	00:30	Routine rig service, grease crown and inspect drawworks
00:30	17:30	Drill curve section f/9413' t/ 9,565' with 2 pumps on the hole 110 SPM each
17:30	18:00	Routine rig service, grease crown and inspect drawworks
18:00	19:30	[HPJSM & JSA] Fill Trip Tank, Build Slug, Check Flow, Well Static, Pump Slug.
19:30	00:00	[HPJSM & JSA] POOH F/ 9,565' to 1822',

Report Start Date	Report End Date	24hr Activity Summary
9/6/2013	9/7/2013	(FRR 9/14/2013) TIH, Cut and slip drill line, Drill curve section

Start Time	End Time	Comment
00:00	01:00	Continue TOOH f/ 1822' t/ surface
01:00	01:30	Remove rotating head rubber
01:30	02:30	lay down filter sub and NMDC, drain mud motor break bit and check scribe on directional tools, after checking scribe and MWD alinment MWD was 31° out of high side, remove MWD
02:30	03:00	Routine rig service inspect brake linkages and grease rig
03:00	03:30	Shut down to clean rig floor from trip and slip hazard
03:30	06:00	Lay down mud motor pick up and make up new mud motor, make up NMDC, double check all connections for proper torque, install MWD, surface test MWD and mud motor make up bit
06:00	06:30	Install new rotating rubber
06:30	11:00	Trip in the hole from surface t/ 7681' filling pipe every 2000'
11:00	13:30	Slip & Cut 100' of Drilling Line

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Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
13:30	14:00	Routine rig service, grease crown and inspect drawworks
14:00	15:00	Trip in the hole from 7681' t/ 9565' filling pipe every 2000'
15:00	16:00	Safety Wash & Ream f/ 9,379' t/ 9,565' with 2 pumps on the hole 110 SPM each
16:00	00:00	Drill curve section f/ 9,565' t/ 9,630' with 2 pumps on the hole 110 SPM each

Report Start Date	Report End Date	24hr Activity Summary
9/7/2013	9/8/2013	(FRR 9/14/2013), Drill curve section, Rig service

Start Time	End Time	Comment
00:00	05:00	Drill curve section f/ 9,630' t/ 9,661' with 2 pumps on the hole 110 SPM each
05:00	05:30	Routine rig service inspect brake linkages and grease rig
05:30	15:00	Drill curve section f/ 9,661' t/ 9,756' with 2 pumps on the hole 110 SPM each
15:00	15:30	Routine rig service inspect brake linkages and grease rig
15:30	00:00	Drill curve section f/ 9,756' t/ 9,818' with 2 pumps on the hole 110 SPM each MW 13.5 ppg Rasie MWT to 13.7 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/8/2013	9/9/2013	(FRR 9/14/2013) Drill curve section, rig service, back ream out of curve, TOH, Change BHA

Start Time	End Time	Comment
00:00	05:30	Drill curve section f/ 9,818' t/ 9,849' with 2 pumps on the hole 110 SPM each MW 13.8 ppg
05:30	06:00	Routine rig service inspect brake linkages and grease rig
06:00	14:00	Drill curve section f/ 9,849' t/ 9,9,17' with 2 pumps on the hole 110 SPM each MW 13.8 ppg
14:00	15:30	Back Ream through the curve f/ 9,917' to 9,413' & Check For Flow & Pump trip slug
15:30	21:00	TOOH F/ 9,386' to Surface, To P/U Lateral Assembly (Monitor well on trip tank)
21:00	21:30	Remove rotating head rubber
21:30	23:30	Drain motor break bit lay down NMDC's, xo, filter sub , split MWD, lay down MWD program pick up and reinstall
23:30	00:00	Shut down and clean floor from OBM slip hazards

Report Start Date	Report End Date	24hr Activity Summary
9/9/2013	9/10/2013	(FRR 9/24/2013)Rig service, pick up BHA,TIH, Drill curve section

Start Time	End Time	Comment
00:00	00:30	Rig and top drive service, inspect brakes and draw works, F/T BOP
00:30	01:30	Pick up new mud motor, PZIG LXM, PZIG UXM, XO and NMDC's Test motor and tools, make up bit
01:30	02:00	Install rotating head rubber
02:00	07:00	TIH f/ surface t/ 9873' filling pipe every 20 STDS
07:00	08:00	Re Log 40' of gamma f/ 9873' to 9917'

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
08:00	00:00	Drill curve section f/ 9,917' t/ 10,105' with 2 pumps on the hole 95 SPM each MW 13.9 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/10/2013	9/11/2013	(FRR 9/24/2013) Drill curve , rig service,

Start Time	End Time	Comment
00:00	01:00	Drill curve section f/ 10,105' t/ 10,126' with 2 pumps on the hole 95 SPM each MW 13.9 ppg
01:00	01:30	Routine rig service, inspect drawworks, and adjust brake linkages
01:30	12:30	Drill curve section f/ 10,126' t/ 10,315' with 2 pumps on the hole 95 SPM each Rasie MW f/ 13.9 ppg to 14.2 ppg
12:30	13:00	Routine rig service, inspect drawworks, and adjust brake linkages
13:00	00:00	Drill curve section f/ 10,315' t/ 10,502' with 2 pumps on the hole 95 SPM each MW 14.2 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/11/2013	9/12/2013	(FRR 9/24/2013) Drill F/ 10,502' to 10,596', Rig Service, Drill F/ 10,596' to 10,877', Rig Service, Drill F/ 10,877' to 11,225'.

Start Time	End Time	Comment
00:00	04:30	Drill Lateral section f/ 10,502' t/ 10,596' with 2 pumps on the hole 90 SPM each MW 14.2 ppg
04:30	05:00	Routine rig service, inspect drawworks, and adjust brake linkages
05:00	13:00	Drill Lateral section f/ 10,596' t/ 10,877' with 2 pumps on the hole 95 SPM each MW 14.2 ppg
13:00	13:30	Routine rig service, inspect drawworks, and adjust brake linkages
13:30	00:00	Drill Lateral section f/ 10,877' t/ 11,225' with 2 pumps on the hole 95 SPM each MW 14.2 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/12/2013	9/13/2013	(FRR 9/24/2013) Drill F/ 11,225' to 11,255', Rig Service, Drill F/ 11,255' to 11,535', Rig Service, Drill F/ 11,535' to 11,725', Re-Program MWD, Drill F/ 11,725' to 11,755'.

Start Time	End Time	Comment
00:00	02:00	Drill Lateral section f/ 11,225' t/ 11,255' with 2 pumps on the hole 95 SPM each MW 14.2 ppg
02:00	02:30	Routine rig service, inspect drawworks, and adjust brake linkages
02:30	15:30	Drill Lateral section f/ 11,255' t/ 11,535' with 2 pumps on the hole 95 SPM each MW 14.2 ppg
15:30	16:00	Routine rig service, inspect drawworks, and adjust brake linkages
16:00	19:30	Drill Lateral section f/ 11,535' t/ 11,725' with 2 pumps on the hole 95 SPM each MW 14.2 ppg
19:30	20:00	Re-Program MWD tool W/ mud pumps.
20:00	00:00	Drill Lateral section f/ 11,725' to 11,755' with 2 pumps on the hole 95 SPM each MW 14.2 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/13/2013	9/14/2013	(FRR 9/24/2013) Drill F/ 11,755' to 11,776', , Re-Syncing MWD, Drill F/ 11,776' to 11,819', Rig Service, Drill F/ 11,819' to 12,288', Rig Service, Drill F/ 12,288' to 12,572'.

Start Time	End Time	Comment
00:00	02:00	Drill Lateral section f/ 11,755' to 11,776' with 2 pumps on the hole 95 SPM each MW 14.2 ppg
02:00	02:30	Re-Syncing MWD tool to verify near bit inc.
02:30	03:00	Drill Lateral section f/ 11,776' to 11,819' with 2 pumps on the hole 95 SPM each MW 14.2 ppg
03:00	03:30	Routine rig service, inspect drawworks, and adjust brake linkages

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
03:30	14:30	Drill Lateral section f/ 11,819' to 12,288' with 2 pumps on the hole 95 SPM each MW 14.2 ppg
14:30	15:00	Routine rig service, inspect drawworks, and adjust brake linkages
15:00	00:00	Drill Lateral section f/ 12,288' to 12,572' with 2 pumps on the hole 95 SPM each MW 14.2 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/14/2013	9/15/2013	(FRR 9/24/2013) Rig Service, Drill F/ 12,572' - 13,136', Rig Service, Drill F/ 13,136' - 13,400'.

Start Time	End Time	Comment
00:00	00:30	Routine rig service, inspect drawworks, and adjust brake linkages
00:30	12:00	Drill Lateral section f/ 12,572' to 13,136' with 2 pumps on the hole 95 SPM each Raise MW from 14.2 ppg to 14.4 ppg
12:00	12:30	Routine rig service, inspect drawworks, and adjust brake linkages
12:30	00:00	Drill Lateral section f/ 13,136' to 13,400' with 2 pumps on the hole 95 SPM each MW from 14.4 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/15/2013	9/16/2013	(FRR 9/24/2013) Rig Service, Drill F/ 13,400' - 13,794', Rig Service, Drill F/ 13,794' - 14,194'.

Start Time	End Time	Comment
00:00	00:30	Routine rig service, inspect drawworks, and adjust brake linkages
00:30	12:30	Drill Lateral section f/ 13,400' to 13,794' with 2 pumps on the hole 95 SPM each MW from 14.4 ppg
12:30	13:00	Routine rig service, inspect drawworks, and adjust brake linkages
13:00	23:00	Drill Lateral section f/ 13,794' to 14,194' with 2 pumps on the hole 95 SPM each MW from 14.4 ppg
23:00	00:00	(TD Well @ 23:00 Hrs On 9/15/2013) Circulate x3 btms up @ 450 gpm Reciprocate the drill string while rotating @ 100 rpm to aid in hole cleaning. MW 14.4 ppg

Report Start Date	Report End Date	24hr Activity Summary
9/16/2013	9/17/2013	(FRR 9/24/2013) Circ, Rig Service, POOH, TIH, Circ, Rig Service, POOH, TIH, Circ, POOH.

Start Time	End Time	Comment
00:00	03:00	Circulate x4 btms up @ 450 gpm Reciprocate the drill string while rotating @ 100 rpm to aid in hole cleaning. MW 14.4 ppg
03:00	03:30	Routine rig service, inspect drawworks, and check brake linkages
03:30	07:30	Check for flow well is static. Pump trip slug & TOOH f/ 14,194' to 12,700', Had to back ream due to hook load of 480 k
07:30	08:30	TIH f/ 12,700' to 1,4194' to circ and clean hole. RPM 120, 440 gpm.
08:30	16:00	Circulate x7 btms up @ 430 gpm Reciprocate the drill string while rotating @ 120 rpm to aid in hole cleaning. MW 14.4 ppg
16:00	16:30	Routine rig service, inspect drawworks, and check brake linkages
16:30	17:30	Check for flow well is static. Pump trip slug & TOOH f/ 14,194' to 13,983', Had to back ream due to hook load of 480 k TIH back to bottom

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
17:30	23:00	Circulate x4 btms up @ 430 gpm Reciprocate the drill string while rotating @ 120 rpm to aid in hole cleaning. Raise Mud Weight 2 tenths every circulation to get 15.0 ppg
23:00	00:00	Check flow, well static. POOH Back Reaming F/ 14,194' to 13,825' W/ 400gpm @ 20rpm,

Report Start Date	Report End Date	24hr Activity Summary
9/17/2013	9/18/2013	(FRR 9/24/2013) Rig Service, POOH, Rig Service, POOH, L/D BHA, Move & Strap 30 Joints Drill Pipe, P/U BHA #9.

Start Time	End Time	Comment
00:00	00:30	Routine rig service, inspect drawworks, and check brake linkages
00:30	08:30	POOH Back Reaming F/ 13,825' to 9,906' W/ 400gpm @ 20rpm, Attempt to pull on elevator @ 10,600' with no success.
08:30	09:00	Routine rig service, inspect drawworks, and check brake linkages
09:00	18:00	Check for flow well is static. Build & Pump trip slug & TOOH f/ 9,906' to 6,085, L/D 30 jts of HWDP & agitator and Cont to TOOH to Dir BHA (Monitor well on trip tank)
18:00	22:00	L/D BHA, Dir. tools & mwd tools, clean rig floor & organize.
22:00	23:00	Moving 30 Joints 5" drill pipe to catwalk & strap & Caliper BHA #9.
23:00	00:00	Pick up BHA # 9, TIH pick up 30 joints drill pipe F/ catwalk.

Report Start Date	Report End Date	24hr Activity Summary
9/18/2013	9/19/2013	(FRR 9/24/2013) Cont. Picking up D/P off rack, Rig Service, TIH, Rig Service, Circ. Bottoms up, Rig up loggers, logging.

Start Time	End Time	Comment
00:00	01:30	Cont to Pick up BHA # 9, TIH pick up 30 joints drill pipe F/ catwalk. & drop drift through each jt while picking them up
01:30	02:00	Routine rig service, inspect drawworks, and check brake linkages
02:00	12:00	TIH f/ 952' to 14,194, fill pipe every 2000' P/U WT 300k S/O 260k ROT WT 280k @ 8,974' the shoe.
12:00	12:30	Routine rig service, inspect drawworks, and check brake linkages
12:30	14:30	Circulate btms up @ 380 gpm Reciprocate the drill string while rotating @ 120 rpm to aid in hole cleaning. MW 15.0 ppg Max btms up gas 2800 units
14:30	16:00	HPJSM w/ Thru Bit loggers & Rig up Wire line to log w/ Quad Combo and Caliper Log
16:00	00:00	RIH w/ Quad Combo on wire line to 8,974'. Pump logging tools to bottom with rig pumps & log out of the hole f/ 14,194' to 8,400' @ 1 min per 30',

Report Start Date	Report End Date	24hr Activity Summary
9/19/2013	9/20/2013	(FRR 9/24/2013) POOH logging W/ ThruBit, R/U & retrieve logging tools, Rig Service, Cont. POOH, Lay down 31 jts. DP, Calibrate totco to indicator, Rig up halliburton, Rig Service, TIH W/ Halliburton Logging tools on DP, Cut drill line.

Start Time	End Time	Comment
00:00	02:00	Log out of the hole f/ 10,235' to 8,550' @ 1 min per 30',
02:00	04:30	R/U Logging Equip and Retrieve logging tools on wire line. pump with rig pump @ 60 spm to close the spring on the logging tools

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
04:30	05:30	R/D Logging tools, & Wire line sheaves
05:30	06:00	Routine rig service, inspect drawworks, and check brake linkages
06:00	10:00	TOOH f/ 8550' to 983' w/ Thru Bit bha
10:00	11:30	Lay down 31 jts 5" DP with hydrolic catwalk F/ 983' to surface. w/ Thru Bit bha.
11:30	13:00	Hang Blocks zero out wt indicator & Calibrate Totco wt indicator with Totco hand.
13:00	14:30	Rig up Halliburton logging tools on the end of DP
14:30	15:00	Rig Service.
15:00	23:00	TIH W/ Halliburtion logging tools slow 90' per min to 8900', Filling drill pipe every 2200' Circ for 15 min per Halliburtons request. P/U 21joints of drill pipe off pipe rack.
23:00	00:00	Cutting 130' of drill line. Circulate bottoms up @ 8775'.

Report Start Date	Report End Date	24hr Activity Summary
9/20/2013	9/21/2013	(FRR 9/24/2013) Cont. slip & cut, rig service, R/U halliburton side entry sub & hang sheave TIH W/ wire line, p/ halliburton latch tool & inspect, circ, RIH w/ latch tool try to relatch, POOH W/ wireline & R/D, rig service, circ bottoms up, POOH F/halliburton logs, P/ log & redress conn. sub & test, TIH.

Start Time	End Time	Comment
00:00	01:30	Slip & Cut 130' of drilling line.
01:30	02:00	Rig service.
02:00	07:00	R/U Halliburtons side entry sub & hang wireline sheave, and pumping down wireline to latch on to tool latch attempt failed. (120 spm 1300 psi) Attempted to latch eight times.
07:00	08:00	Pull Halliburtons wireline out to inspect latch tool.
08:00	09:00	Circ & Cond (While Halliburton rebuilds latch tool.
09:00	10:30	RIH W/ Halliburton wireline reattempt to latch on to tools (Pumped with #1 pump & #2 pump 85 spm each @ 2000 psi, reattempt failed to latch.
10:30	12:00	POOH W/ Halliburton wireline, Got out of the hole found wire brush stuck to the bottom of latching tool. Rebuild latch tool & retry.
12:00	13:00	RIH W/ Halliburton wireline attempt to latch on to tools Pumped with #1 pump & #2 pump 85 spm each @ 2000 psi, reattempt failed to latch. Tryed five times.
13:00	14:30	POOH W/ Halliburton wireline, R/D wireline and related equipment (Side entry sub, Top and bottom shieves.
14:30	15:00	Rig service
15:00	16:00	Circ btms up to get gas out of well bore. For trip out of hole to change logging tool.
16:00	20:30	POOH W/ Halliburton logging tool F/ 8775' to Surface. To check latch up tool.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
20:30	23:00	Pull out halliburton logging tool, Redressed connection sub inspect tool & install test latch, and powered up tool on surface, good test, run tool in hole. (connecting sub conductor pin were bent on tool)
23:00	00:00	TIH W/ Halliburtion logging tools slow 90' per min to 2200', Filling drill pipe every 2200' Circ for 15 min per Halliburtons request.

Report Start Date	Report End Date	24hr Activity Summary
9/21/2013	9/22/2013	(FRR 9/24/2013) Cont TIH W/ Halliburtons, Rig service, R/U Halliburtons side entry sub, TIH W/ Halliburton wire line F/ 8773' to 13902', Rig service, Circ. bottoms up, Check Flow, Well Static, Pump Slug, POOH W/ logs, PJSM W/ Halliburton rigging down equipment.

Start Time	End Time	Comment
00:00	05:00	Cont TIH W/ Halliburtons logging tools @ 1 min per stand F/ 96' to 8775' (F/U every 2200' & Circ for 15 min) @ 8775' Circ btms up.
05:00	05:30	Rig service.
05:30	06:30	R/U Halliburtons side entry sub, RIH with Halliburtons wireline to latch on to logging tools (Pump latch tool down W/ pump #1 & #2 with 65 spm on each pump @ 1500 psi) Latch successful, Test tool (Test good)
06:30	08:00	Install wireline to side entry sub & R/U shieve on derrick leg,
08:00	12:00	TIH W/ Halliburton side entry wire line F/ 8773' to 13902' @ 40' per min filling pipe every 2200' & Circ for 15 min.
12:00	12:30	Rig service.
12:30	15:30	Circ Btms up to clear gas from well bore 100 spm max psi 1500 per Halliburtons request.
15:30	16:00	Check flow pump trip slug.
16:00	23:00	POOH Logging with Halliburtons OMRI & Sonic wave F/ 13900' to 8773', @ 25' per min.
23:00	00:00	PJSM W/ Halliburton rigging down logging tools & equipment.

Report Start Date	Report End Date	24hr Activity Summary
9/22/2013	9/23/2013	(FRR 9/25/2013) R/D Halliburtons wire line truck, Rig Service, L/D 5" DP, Trouble shoot hydrolic catwalk, POOH to L/D logging tools, L/D Halliburton Logs, TIH, Rig Service, Pump Slug, POOH L/D D/P,PJSM R/U Franks casing tools & equipment.

Start Time	End Time	Comment
00:00	01:00	R/D Halliburtons wire line truck & side entry sub.
01:00	01:30	Rig service.
01:30	05:30	L/D 5" DP F/ 8743' to 2455'
05:30	06:30	Trouble shoot hydrolic catwalk
06:30	08:00	POOH to L/D logging tools.
08:00	10:30	L/D Halliburtons logging tools.
10:30	14:30	TIH to 7642' to L/D DP.
14:30	15:00	Rig service & Build trip slug.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
15:00	21:00	Pump slug & L/D 5" Dp F/ 7642' to Surface'
21:00	22:00	Pull wear bushing.
22:00	00:00	PJSM R/U Franks casing tools & equipment.

Report Start Date	Report End Date	24hr Activity Summary
9/23/2013	9/24/2013	(FRR 9/25/2013) Cont. rigging up Franks, Rig Service, M/U Float equipment & Run 20# 5.5" P-110 casing, Rig Service, Circ. B/U, Continue running Casing, Circ. B/U @ 14194.

Start Time	End Time	Comment
00:00	02:30	Cont rigging up Franks casing crew.
02:30	03:00	Rig service.
03:00	15:00	M/U Float equipment & Run 20# 5.5" P-110 Tenaris XP, As follows 1- Float shoe, 1- full jt, 1- Float coller, 1- Full jt, 1- Landing coller, 1- Full jt, 1- RSI toe sleeve, 21- full jts, 1- Marker jt, 76- Full jts, 1- Marker jt, 114 full jts to 8960',Filling pipe every 2000'
15:00	15:30	Rig Service (Start circ)
15:30	16:00	Circ B/U @ 8960'
16:00	23:00	Continue runing 97 full jts 20# 5.5" P-110 Tenaris XP casing, F/ 8960' to 14190', Filling pipe every 2000' Total casing run 337 full jts, 2 marker jts. Shoe @ 14'189.55, FC @ 14,143', Landing coller @ 14,098', Toe sleeve @ 14,052'. Centralizers 1 every jt to 8,964', then 1 every third jt to 8,847' for a total of 129 Centralizers.
23:00	00:00	Circ. B/U @ 14,194' While Working Casing, R/D casers equipment & tools.

Report Start Date	Report End Date	24hr Activity Summary
9/24/2013	9/25/2013	(FRR 9/25/2013) R/D casing equipment, P/U GSI cement head, Circ.,PJSM W/ Halliburton Cement 5.5" csg, R/D Halliburton Equipment, WOC, R/D Katckh kan, Flow line, Wash stack, R/U Eager Beaver hydrolic winches, Lift BOP, install 13"x5.5 C-22 Casing silps,. Set Down BOP, tighting bolts & test break @ well head & spacer spool test to 3500psi test good.

Start Time	End Time	Comment
00:00	04:00	R/D casing equipment & P/U GSI cement head and Circ.
04:00	09:30	PJSM W/ Halliburton Cement 5.5" csg with Halliburton test lines to 9000 psi, pump tuned spacer 30 bbls , 7.37 gals per sk, 15.3 ppg, mix and pump tergo vis 344 bbls, 1370 sks, 7.43 gps, 15.4 ppg @ 4 bpm, mix and pump lead cement unfoamed, 120 bbls, 610 sks, 4.72 gps, 1.1 yield, 15.5 ppg, @ 4 bpm, mix and pump lead #2 foamed cement, 182 bbls, 555 sks, 7.48 gps, 1.84 yield, 17.3 ppg, @ 4 bpm, mix and pump tail cement unfoamed, 16 bbls, 50 sks, 7.48 gps, 1.84 yield, 17.3 ppg, @ 4 bpm, shut down wash out and drop plug, displace with kcl / clay web, 306 bbls pumped 70 bbls @ 6 bpm w/4320 psi slowed down to 3 bpm w/4450 psi, final circulating psi 4450, bumped plug with 5160 psi, held for 3 mins and had 5.5 bbl flow back with floats holding, Quit rotating casing after we dropped plug do to seal blowing out on cement head. Shut hydril and shut well in.
09:30	10:00	R/D Halliburton & Related equipment.
10:00	14:00	Wait on cement with well shut in to let cement set up with nitrogen & Clean Rig floor and Bops. (Clean Mud pits)
14:00	14:30	R/D Katckh kan & Flow line & Wash stack. And cont. clean mud tanks.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
14:30	00:00	R/U Eager Beaver hydrolic winches & Related equipment.Lift BOP stack install 13"x5.5 C-22 Casing silps set 150k on slips. Set Down BOP tighting bolts & test break @ well head & spacer spool test to 3500psi.

Report Start Date	Report End Date	24hr Activity Summary
9/25/2013	9/25/2013	(FRR 9/25/2013)

Start Time	End Time	Comment
00:00	02:30	Continue Testing bop break between well head and spacer spool to 3500psi for 10 min good test/ R/D Tester and related equ.
02:30	14:00	R/D Back yard & Third party equipment, clean rig, Clean mud pits. Rig up crane move gas buster, move out peak equipment, move camps and rig up on new location, 18 loads moved off patterson location, rig down top drive and remove from derrick, Rig released @ 14:00 hrs, crane on location @ 12:30, bed truck and haul truck on location @ 9:00, total of 8 trucks , 2nd crane on location @ 15:30

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6246

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: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Patterson 4-9-3-3WH-W15

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521080000

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: 0248 FNL 1073 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 09 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 6/29/2016
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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: Well Clean Out

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

The above mentioned well is currently plugged up with formation debris and in unable to produce. Newfield will be doing a well clean out of the wellbore to bring the well back on production with the intention to increase hydrocarbon production.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 01, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 7/1/2016

RECEIVED: Jul. 01, 2016

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6246

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: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Patterson 4-9-3-3WH-W15

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013521080000

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: 0248 FNL 1073 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 09 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 7/24/2016
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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: Well Clean Out

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

On 07/24/16 the wellbore clean out was completed on the above mentioned well. See attached daily rig summary report.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 27, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech

SIGNATURE	DATE
N/A	7/25/2016

RECEIVED: Jul. 25, 2016

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
7/14/2016	7/14/2016	MIRUWOR C & J #1450. ND & remove wellhead. Install, NU, & pressure test BOP. RU workfloor. Repair rig. Attempt to release PKR. Well acted waxed off on csg. SWIFN.

Start Time	End Time	Comment
08:30	09:30	Road WOR C & J #1450 to location.
09:30	11:00	Spot in rig & wait on NFX representives to arrive on location for rig inspection before RU of WOR.
11:00	13:00	Conduct pre RU inpsection.
13:00	14:00	RUWOR.
14:00	15:30	Conduct post RU inspection.
15:30	17:00	ND & remove wellhed. Install, Install, NU, & pressure test BOP.
17:00	18:00	Wait on C & J mechanic to arrive on location & trouble shoot issue w/ weight indicator. Found wiring to have short. Repair wiring. Test weight indicator function to be sure working correctly. NO CHARGE.
18:00	20:00	Unland tbg. Find csg to be full of paraffin causing tbg to have excessive drag. Reland tbg. SWIFN. Tie rig back to single line in preperaion to release PKR & TOOH in the AM.
20:00	20:30	Crew travel from location.

Report Start Date	Report End Date	24hr Activity Summary
7/15/2016	7/15/2016	Circulate well w/ 200 bbls wtr @ 250°. Release PKR. TOOH w/ tbg. LD production BHA. MU clean out BHA. TIH w/ 22 jts tbg. Stack out on paraffin. Could not get past. TOOH w/ tbg. Production will pump diesel in the AM. SWIFW

Start Time	End Time	Comment
06:00	06:30	Crew travel to location.
06:30	07:00	Pre-job safety meeting & JSA discussion.
07:00	08:30	Hot oiler finished circulating well w/ 200 bbls production water @ 250°.
08:30	18:00	Release PKR. TOOH tallying tbg @ follows. 1 - 10', 8', & 2' tbg pup jts, 294 jts 2 7/8" 6.5# L-80 tbg, blast jt, Jet pump cavity on/off tool, PKR, 6' pup jt, profile nipple, 6' pup jt & WLREG. Had to pull tbg slowly due to paraffin building up above PKR during TOOH. Attempted to flush down csg w/ 88 jts out. Pressured up to 2000 psi. Was able to continue to pull tbg @ 20-30K over string wt until 44 jts remained in hole. Was pulling 40-60K over string wt. Attempted to warm hole by pumping 40 bbls down tbg. Was only able to pump 24 bbls down tbg before pressure climbed to 2500 psi. Bleed off pressure. Was able to continue TOOH pulling 20K over string wt until 20 jts remained in hole. TBG started to pull free. Get out of hole w/ tbg. LD jet lift assmebly, PKR, & tail jt assembly.
18:00	19:30	MU RBS clean out BHA @ follows. 4 5/8" chomp bit, bit sub, stabilizer, 3 1/2" X 8' pup collar, stabilizer, x-over, & 2 7/8" x 6' pup jt. TIH w/ 21 jts tbg. TBG stacked out on paraffin plug & was not able to continue in hole w/ tbg. Contact production foreman over well & line up for diesel to be spotted in csg to soak over weekend in the AM. TOOH w/ 21 jts tbg, & RBS BHA. SWIFN.
19:30	20:00	Crew travel from location.

Report Start Date	Report End Date	24hr Activity Summary
7/18/2016	7/18/2016	Attempt to TIH w/ clean out BHA w/ out success. TOOH w/ tbg. LD DO BHA. MU 2 7/8' slim hole collar. Attempt to TIH w/ tbg to spot diesel. Could not get past 1700'. Spot 35 bbls dieseldown tbg & up csg to surface. SWIFN to soak.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
06:00	06:30	Crew travel to location
06:30	07:00	Pre-job safety meeting & JSA discussion.
07:00	07:30	Replace hydraulic hose & fill hydraulic tank with fluid.
07:30	11:30	Open well & TIH w/ RBS clean out BHA. TIH w/ 26 jts tbg. Stacked out on paaffin. Circulate well w/ 40 bbls wtr @ 250°. Could not get tbg to continue fall into well.
11:30	12:30	TOOH w/ 26 jts tbg. LD DO BHA.
12:30	15:00	MU slim hole 2 7/8" collar. TIH w/ 52 jts tbg to 1735'. TBG stacked out on paraffin. Pump 20 bbls wtr @ 250°. Could not get tbg to continue fall into well.
15:00	17:00	Circulate well w/ 35 bbls to fill both tbg & csg. SWIFN to let diesel soak over night.
17:00	17:30	Crew travel from location.

Report Start Date	Report End Date	24hr Activity Summary
7/19/2016	7/19/2016	Continue TIH w/ tbg to 5100'. Pump diesel to EOT down csg w/ hot oiler. TOOH w/ tbg. MU clean out BHA. TIH w/ to 9593'. Pump csg 136 bbls down csg to make sure tbg is clear before entering lateral w/ tbg. RU pump lines & power swivl in preperation to clean out lateral in the AM. SWIFN

Start Time	End Time	Comment
06:00	06:30	Crew travel to location.
06:30	07:00	Pre-job safety meeting 7 JSA discussion.
07:00	08:30	Open well & continue TIH w/ 96 jts tbg w/ out issue to place EOT @ 5100'.
08:30	10:30	Pump 40 bbls wtr, 15 bbls diesel, 15 bbls wtr @ 250° to spot diesel @ EOT w/ hot oiler.
10:30	12:00	TOOH w/ 156 jts tbg.
12:00	15:30	MU RBS clean out BHA. TIH w/ 294 jts tbg to place EOT @ 9593'.
15:30	19:00	RU hot oiler to csg. Pump 136 bbls @ 250° to make sure tbg is clear before entering lateral for clean out operations. Finish RU pump lines & power swivel in preperation for clean out ops. SWIFN
19:00	19:30	Crew travel from location.

Report Start Date	Report End Date	24hr Activity Summary
7/20/2016	7/20/2016	Start clean out ops. Made 12' & tbg plugged off. Attempt to clear tbg w/ out success. TOOH w/ tbg to clear plug. Find tbg to have became plugged of w/ sizable chunks of cement & sand. Clear tbg plug. TIH w/ clean out BHA & 284 jts tbg. SWIFN

Start Time	End Time	Comment
06:00	06:30	Crew travel to location.
06:30	07:30	Pre-job safety meetign & JSA discussion.
07:30	09:00	Finsih RU power swivel. Tighten loose connections on pump lines.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
09:00	11:00	Tag fill @ 9900'. 5' out on jt #310. Break circulation. Start cleaning out fill. Kept loosing circulation to surface. Make five feet. PU 15' off of fill & establish good returns pumping @ approx 3.5 bbls min & returning same. MU jt #311. Reattempt clean out ops. Made 18' ft & tbg appeared to be moving free w/out obstruction. Made 2' & tagged up on fill. Set 3K down on fill & lost circulation. CSG pressure climbed to 2500 psi & held solid. Did not see any additional torque on swivel. Work tbg attempting to reestablish circulation w/ out success. Swap direction w/ pump to conventional circulation. TBG pressured up to 2500 psi. Continue working tbg & surging back pressure. Cleared work floor & pressure up tbg to 4000 psi in attempt to clear tbg. TBG held solid. Surge tbg back to 0 psi in 1000 psi increments. Repeated process three additional times. Attempt to reestablish circulation by reversing direction. Pressure up csg to 4000 psi & held solid. Surge back to 0 psi in 1000 psi increments. Repeat process three additional times w/ out success. Bleed off pressure in preparation to TOOH. Contact engineer to discuss issue. Was in agreement to make TOOH to clear tbg plug.
11:00	13:30	Hang back swivel. LD 1 jt tbg. TOOH w/ 56 jts tbg. TBG appeared to be gassing & bubbling over top. Pressure up on tbg to 2500 psi. Tie back rig to double fast line. Pressure did not change in 30 min time.
13:30	18:30	Continue TOOH w/ remaining 248 jts tbg. Find tbg to be plugged off approx 5' above XN nipple. Clear tbg. Could not get BHA to draain. Break out 6' tbg sub above BHA. Find just sub to plugged off. BHA was clear. LD & swap out 6' sub.
18:30	21:30	MU BHA & TIH w/ 284 jts tbg to leave EOT @ 9462'. SWIFN
21:30	22:00	Crew travel from location.

Report Start Date	Report End Date	24hr Activity Summary
7/21/2016	7/21/2016	Tie rig back to single line. Open well & TIH w/ 20 jts tbg. Catch circulation w/ rig pump. Gear end on tri-plex started knocking & whining badly when well reched circulating pressure. Mechanic diagnosed problem as crank shaft issue. Swap out pumps w/ replacement from C & J yard. Reestablish circulation. RIH w/ jt # 305 to tag fill @ 9919'. Set 1K WOB. Pressure immediatly began to climb @ pump. TBG started to loose string wt (3K). PU off of fill to let clean up & let pressure drop. Continue making hole repeating same process. Made a total of 29' in 5 hrs. Decision made to TOOH to change out BHA. TOOH w/ 227 jts tbg leaving 60 jts & BHA in hole to leave EOT @ 1996'. SWIFN

Start Time	End Time	Comment
06:00	06:30	Crew travel to location.
06:30	07:00	Pre-job safety meeting & JSA discussion.
07:00	09:00	Tie rig back to single line. Open well & TIH w/ 20 jts tbg. RU power swivel. Establish circulation w/ rig pump. Had mechanic on location due to pump gear end on tri-plex knocking during previous days clean out ops. After catching circulation & reaching well circulating pressure pump began to knock & whine from gear end. Wait on mechanic diagnosis. Determined that crank shaft was probably on verge of failure. C & J well site supervisor made call to office to line up replacement pump.
09:00	11:00	Circulate well @ 2.5 bpm in & 2.5 bpm out while waiting on replacement pump to arrive on location. While circulating rig pump had died twice & was able to be restarted.
11:00	11:45	Replacement pump arrived on location. Swap out pumps.
11:45	14:45	Reestablish circulation of 2.5 bpm in 2.5 bpm out @ 600 psi. RIH to tag fill on @ 9919'. Set 1K wt on bit w/ power swivel rotaing @ 120 RPM. TBG down wt 56K neutral wt 58K up wt 61K. After tagging fill tbg wt dropped off 4K & pump pressure increased to 1200 psi. Return rate dropped off approx .5 -1 bpm to 1.5 -2 bpm. Pick up off of fill to wait for return rate to return. Started to see debris at surface approx 1 - 1.25" in circumfrance. Return rate returned to 2.5 bpm. Reattempt to set wt on fill w/ same results. Make 19' before having to make next connection.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
14:45	16:45	MU jt #306. Continue clean out ops. After making 8' pump pressure started to increase to 1500 psi when setting wt on fill. Seemed that debris was over whelming restricted ID of BHA. Make call to engineer to discuss options. Decision made to TOOH to swap out BHA w/ less ID restricion. Made a total 29' to 9948' KB from surface. Circulate well unitl returns are clear of debris.
16:45	17:30	RD power swivel.
17:30	21:00	Pull 2 jts tbg to derrick. LD 1 jt. TOOH 18 jts tbg to derrick. Tie rig back to double fast line. Continue TOOH w/ 224 jts tbg to derrick. Left 60 jts & BHA in hole to leave EOT @ 1996'. SWIFN.
21:00	21:30	Crew travel from location.

Report Start Date	Report End Date	24hr Activity Summary
7/22/2016	7/22/2016	Open well. TOOH w/ remaining 60 jts tbg. LD BHA. PU 4.5" chisel mill & 3 1/2" x-over. TIH w/ tbg to tag fill @ 9948'. Clean out 44' fill to 9992' KB from surface. Circulate well until returns clear of debris. LD 1 jt tbg. Hang swivel back in derrick. TOOH w/ 22 jts tbg. SWIFN

Start Time	End Time	Comment
06:00	06:30	Crew travel to location.
06:30	07:00	Pre-job safety meeting & JSA discussion.
07:00	07:45	Open well. TOOH w/ remaing 60 jts tbg. LD BHA
07:45	08:30	Wait on decision to be made on what style of BHA to RIH.
08:30	11:00	MU RBS 4.5" chisel mill & 3 1/2" x 2 7/8" EUE cahnge over, 1 jt, XN profile nipple, 85 jts tbg, X profile nipple, & 218 jts. Install washinton style stripping head rubber. PU 2 jts tbg.
11:00	11:30	RU power swivel.
11:30	16:00	PU 1 jt tbg. Tag fill on jt # 305 @ 9948'. Start clean out ops. Swivel speed 120 RPM, 4K WOB, 61K up, 58K neutral, & 54K down. Pumping @ 2.25 BPM in @ 900 psi w/ 2.25 BPM out. Clean out 4' fill. MU jt # 306. Continue cleaning out fill to 9968'. Tag up solid. Could not put more than 1K WOB with out pressuring up on pump to 1500 psi. Started working tbg 1' off of fill & back down w/ 4K WOB. Started to make hole. Clean out to 9980'.
16:00	19:00	MU jt # 307. Change out stripping head rubber. Continue clean out ops. Made 12' hole having to work tbg 1' off of fill & setting 6K WOB unitl pump pressured up to 1500 psi & nearly loosing circulation. After picking up to return full circulation could continue to make hole when coming back down. Clenaed out to 9992'.
19:00	19:30	Circulate well clean w/ 70 bbls.
19:30	20:00	LD 1 jt tbg & hang swivel back in derrick.
20:00	20:30	TOOH w/ 22 jts tbg to leave EOT @ 9300'. SWIFN.
20:30	21:00	Crew travel from loctaion.

Report Start Date	Report End Date	24hr Activity Summary
7/23/2016	7/23/2016	Open well. TIH w/ 22 jts tbg. RU power swivel. Catch circulation w/ rig pump. Tag fill @ 9992'. Clean out fill to 10103'. Circulate clean. TOOH w/ 28 jts tbg to leave EOT @ 9308'. SWIFN

Start Time	End Time	Comment
06:00	06:30	Crew travel to location.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
06:30	07:00	Pre-job safety meeting & JSA discussion.
07:00	07:30	Open well. TIH w/ 22 jts tbg.
07:30	08:00	RU power swivel.
08:00	11:00	MU jt #308. Catch circulation w/ rig pump. Tag fill @ 9992'. Start clean out ops. Swivel totating @ 120 RPM. Pump rat of 1.5 BPM in 1.5 BPM out. WOB 4K. Up 61K, neutral 58K, & down 54K. Clean out to 10,009'.
11:00	14:30	MU jt #309. Continue to clean out fill to 10,042' playing with pump rate and WOB. Slowed pump rate down to idle to 1.5 BPM. Worked WOB netween 4K-8K. String wt remained unchanged from previous jt.
14:30	16:45	MU jt #310. Continue clean out fill to 10,072'. Continued playing with pump rates & WOB.
16:45	17:30	MU jt #311. Continue clean out fill to 10,103'. contiued to play w/ pump rate & WOB. Found that we could clean out w/ better success by applying 10K string wt until nearly lossing circulation & allowing pump pressure to increase to 1500 psi then pulling up off of fill & allowing returns to surge. Made a total of 111' through fill. Left fill @ 10,103' KB total depth from surface.
17:30	18:00	Circulate well until returns were clean of debris.
18:00	19:00	RD power swivel & TOOH w/ 28 jts tbg to leave EOT @ 9308'.
19:00	19:30	Crew travel from location.

Report Start Date	Report End Date	24hr Activity Summary
7/24/2016	7/24/2016	Open well. TOOH w/ tbg. LD old BHA. MU new BHA. TIH w/ tbg. Tag fill @ 10078'. Clean out @ total of 147' to leave fill @ 10225'. TOOH w/ 34 jts tbg to leave EOT @ 9000'. SWIFN

Start Time	End Time	Comment
06:00	06:30	Crew travel to location.
06:30	07:00	Pre-job safety meeting & JSA discussion.
07:00	07:30	Tie back rig to rig to double fast line.
07:30	10:30	Open well. TOOH w/ remaining 238 jts tbg. LD 4.5" chisel mill.
10:30	14:00	MU 4 5/8" Tri-cone rock bit & bit sub. TIH w/ tbg @ follows. 1 jt, XN nipple, 83 jts tbg, X nipple, & 224 jts tbg. Tie rig back to single fast line.
14:00	14:30	RU power swivel.
14:30	15:00	MU jt #311. Tag fill @ 10078'. fill had came up 26' from previous night. Suspect that depth was reported incorrectly. Establish circulation w/ rig pump of 2.5 BPM in 2.5 BPM out. Start cean out ops w/ swivel rotation of 120 120 RPM. 2.5K WOB. 60K up, 58K neutral, & 52K down.Clean out fill to 10103'.
15:00	16:00	MU jt #312. Clean out fill to 10132'.
16:00	16:30	MU jt #313. Clean out fill to 10163'.
16:30	17:30	MU jt #314. Clean out fill to 10194'.

NEWFIELD

Summary Rig Activity

Well Name: Patterson 4-9-3-3WH

Start Time	End Time	Comment
17:30	18:30	MU jt #315. Clean out fill to 10225'. String wts remained constant during clean out ops for the day. Pump pressure started @ 600 psi then climbed to 900 psi & remained constant during clean out ops.
18:30	19:00	Circulate well clean w/ 75 bbls wtr. No debris in returns.
19:00	19:30	Hang back power swivel in derrick. TOOH w/ 34 jts tbg to leave EOT @ 9000'. SWIFN
19:30	20:00	Crew travel from location.