API Well Number: 43013521110000

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
Thompson 4-24-3-4WH

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

3. FIELD OR WILDCAT
LELAND BENCH

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

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

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

9. OPERATOR E-MAIL
mcrozier@newfield.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
Fee

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

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

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Sandy Murphy, Trustee of the Retzkey Trust

14. SURFACE OWNER PHONE (if box 12 = 'fee')
602-743-7609

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
Rt 3 Box 3630, Myton, UT 84052

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

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ■

19. SLANT
VERTICAL ○ DIRECTIONAL ○ HORIZONTAL ■

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	191 FNL 1080 FWL	NWNW	24	3.0 S	4.0 W	U
Top of Uppermost Producing Zone	660 FNL 660 FWL	NWNW	24	3.0 S	4.0 W	U
At Total Depth	660 FSL 660 FWL	SWSW	24	3.0 S	4.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
191

23. NUMBER OF ACRES IN DRILLING UNIT
40

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
3360

26. PROPOSED DEPTH
MD: 13614 TVD: 9068

27. ELEVATION - GROUND LEVEL
5898

28. BOND NUMBER
B001834

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	H-40 ST&C	0.0	Class G	57	1.17	15.8
SURF	17.5	13.375	0 - 1500	54.5	J-55 ST&C	8.4	Type III	240	3.33	11.0
							Type III	210	1.9	13.0
I1	12.25	9.625	0 - 8937	40.0	N-80 Buttress	10.0	35/65 Poz	700	3.53	11.0
							50/50 Poz	580	1.29	14.0
PROD	8.75	5.5	0 - 14573	20.0	P-110 Other	14.0	Halliburton Premium , Type Unknown	45	3.53	11.5
							50/50 Poz	1382	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** 03/22/2013 **EMAIL** starpoint@etv.net

API NUMBER ASSIGNED
43013521110000

APPROVAL
Permit Manager

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RECEIVED: August 15, 2013

Newfield Production Company
4-24-3-4WH
Surface Hole Location: 191' FNL, 1080' FWL, Section 24, T3S, R4W
Bottom Hole Location: 660' FSL, 660' FWL, Section 24, T3S, R4W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	3,971'
Garden Gulch member	6,860'
Uteland Butte member	9,279'
Wasatch	9,438'
Lateral TD	10,060' TVD / 14,573' MD

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

Base of moderately saline	1,190'		(water)
Green River	6,860'	- 9,438'	(oil)
Wasatch	9,438'	- 10,060'	(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 10M system.

MASP = 5834 psi, request max test pressure of 6,400 psi (500 psi over MASP)

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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'	1,500'	54.5	J-55	STC	8.33	8.4	14	2,730	1,130	514,000
13 3/8									2.89	2.63	6.29
Intermediate	0'	8,906'	40	N-80	BTC	10	10.5	15	5,750	3,090	916,000
9 5/8		8,937'							1.12	1.27	2.57
Production	0'	10,060'	20	P-110	BTC	14	14.5	16	12,360	11,080	641,000
5 1/2		14,573'							2.13	1.82	2.20

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Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Intermediate casing MASP = (reservoir pressure) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
Intermediate collapse calculations assume 50% evacuated
Maximum intermediate csg collapse load assumes loss of mud to a fluid level of 4,453'
Intermediate csg run from surface to 8,906' 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 = 0.15 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	1,000'	Varicem (Type III) + .125 lbs/sk Cello Flakes	799 / 240	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	6,860'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	2471 / 700	15%	11.0	3.53
Intermediate Tail	12 1/4	2,077'	50/50 Poz/Class G + 1% bentonite	748 / 580	15%	14.0	1.29
Production Lead	8 3/4	550'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	160 / 45	15%	11.0	3.53
Production Tail	8 3/4	6,136'	50/50 Poz/Class G + 1% bentonite	1783 / 1382	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 5.5" production string will be run from surface to TD and cemented to setback. The cement slurries will be adjusted for hole conditions and blend test results. The lateral will be cemented past the setback.

The wellbore will cross the heal setback @ 10,663' MD
The float collar will be @ 14,573' MD
This well will not be perforated or produced outside the legal setbacks.

6. Type and Characteristics of Proposed Circulating Medium

Interval	Description
Surface - 1,500'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

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1,500' - 8,937' A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 10.5 ppg.

8,937' - 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.

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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 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.

10,060' x 0.73 psi/ft = 7323.7 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 9,756'
Directional tools will then be used to build to 92.68 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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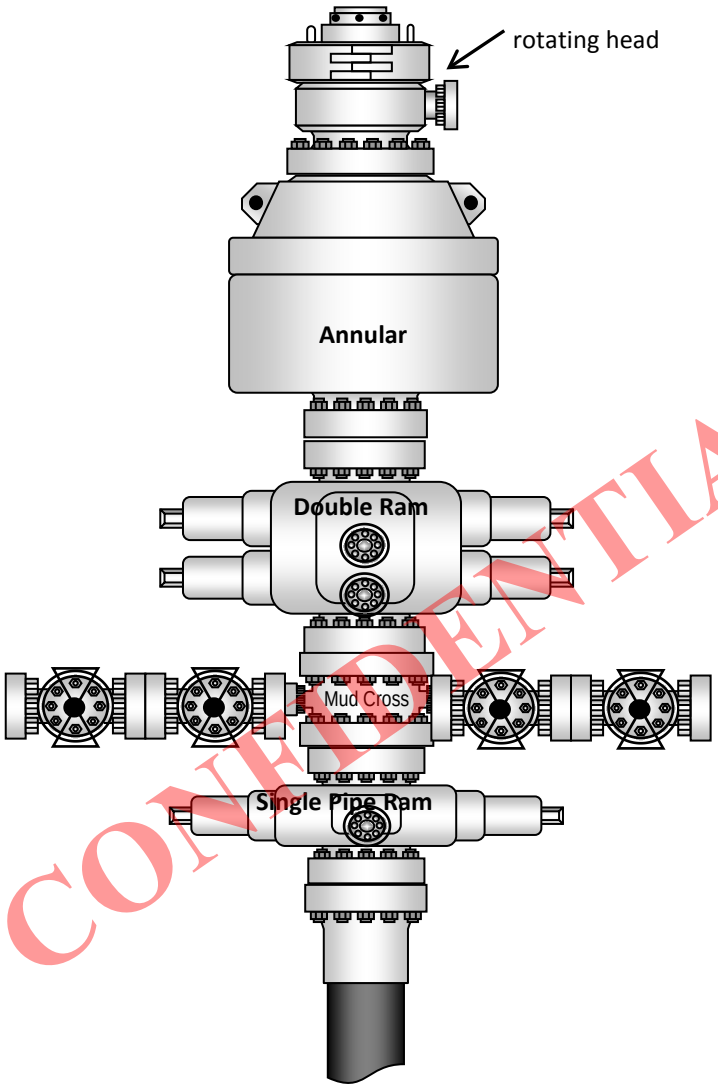
RECEIVED: July 26, 2013

Typical 10M BOP stack configuration



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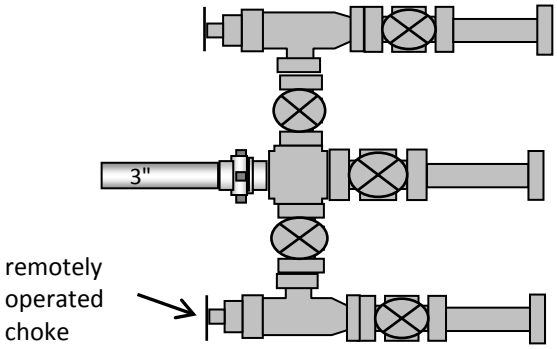
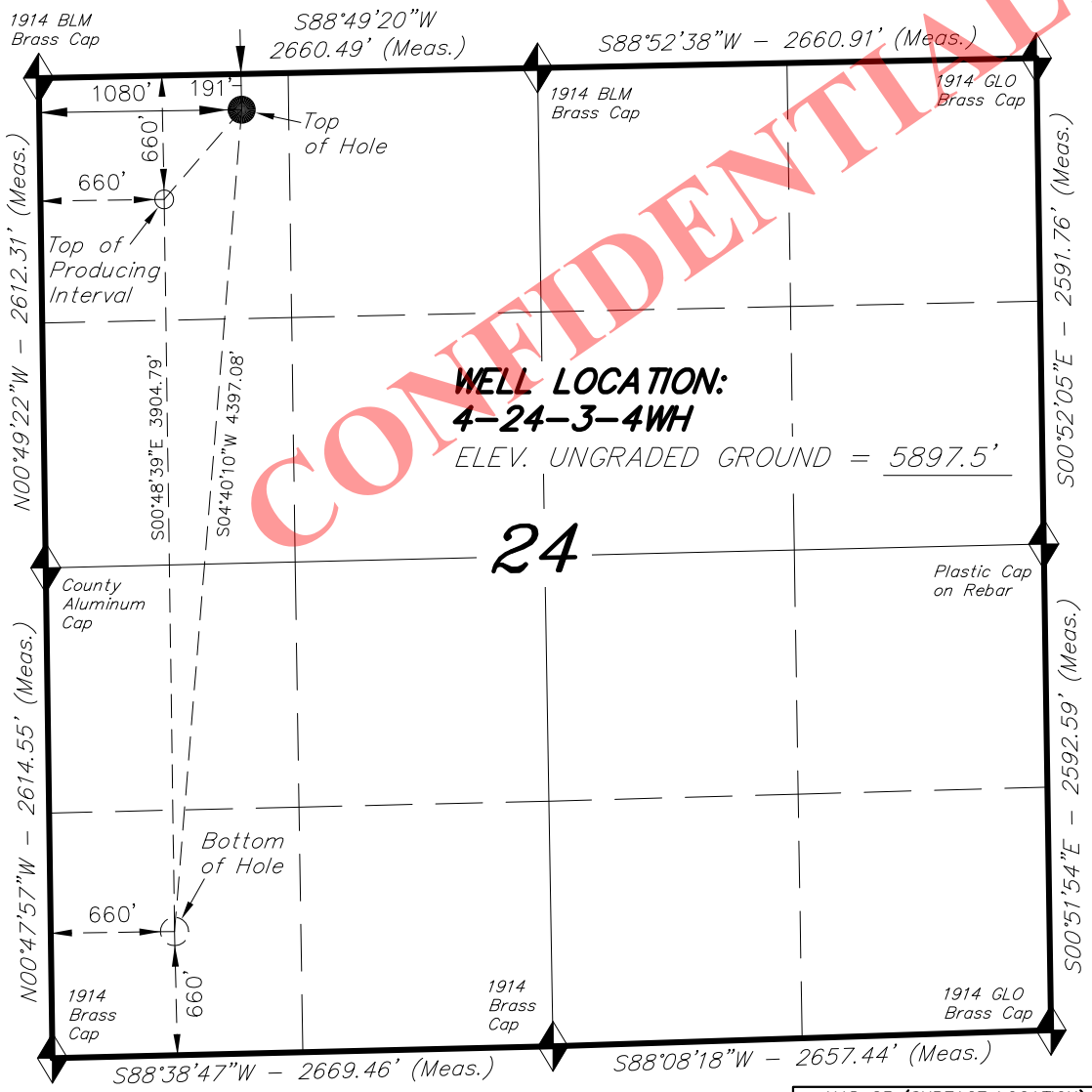
Typical 10M choke manifold configuration



RECEIVED: July 26, 2013

T3S, R4W, U.S.B.&M.



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NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 4-24-3-4WH, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 24, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 4-24-3-4WH, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 24, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Top of Producing Interval bears S40°50'17"W 631.92' 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 09-19-12 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°12'48.07" LONGITUDE = 110°17'24.04"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°12'48.22" LONGITUDE = 110°17'21.49"

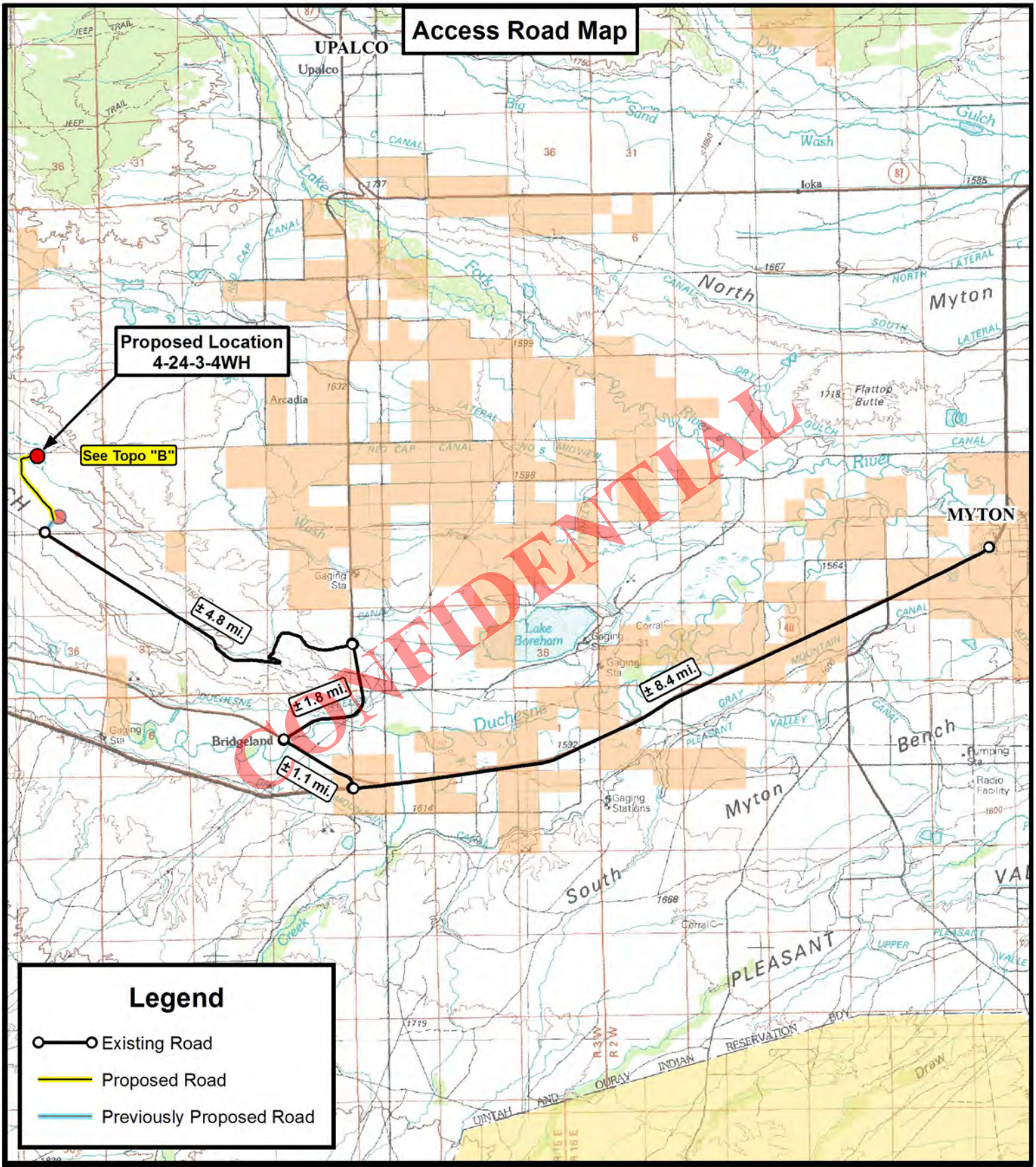
NAD 83 (TOP OF PROD. INTERVAL)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°12'43.40" LONGITUDE = 110°17'29.45"	LATITUDE = 40°12'04.82" LONGITUDE = 110°17'29.42"
NAD 27 (TOP OF PROD. INTERVAL)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 40°12'43.55" LONGITUDE = 110°17'26.89"	LATITUDE = 40°12'04.97" LONGITUDE = 110°17'26.86"

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

DATE SURVEYED: 09-18-12	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 09-19-12	DRAWN BY: V.H.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: March 22, 2013

API Well Number: 43013521110000



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

N

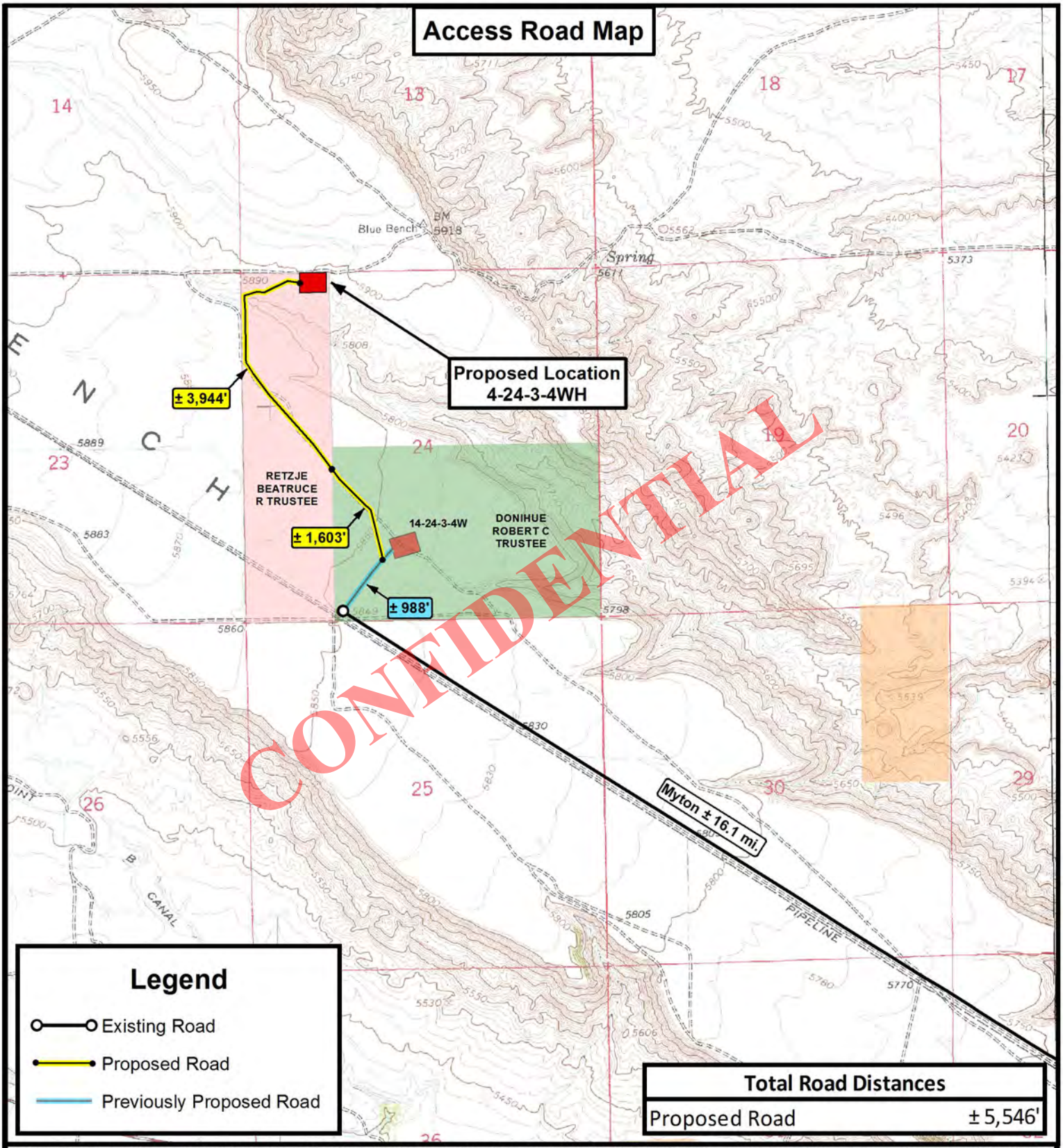
NEWFIELD EXPLORATION COMPANY
4-24-3-4WH
SEC. 24, T3S, R4W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED:	VERSION:	
DATE: 09-19-2012		V1	
SCALE: 1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013521110000



Total Road Distances	
Proposed Road	± 5,546'

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

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

N

NEWFIELD EXPLORATION COMPANY

4-24-3-4WH
SEC. 24, T3S, R4W, U.S.B.&M.
Duchesne County, UT.

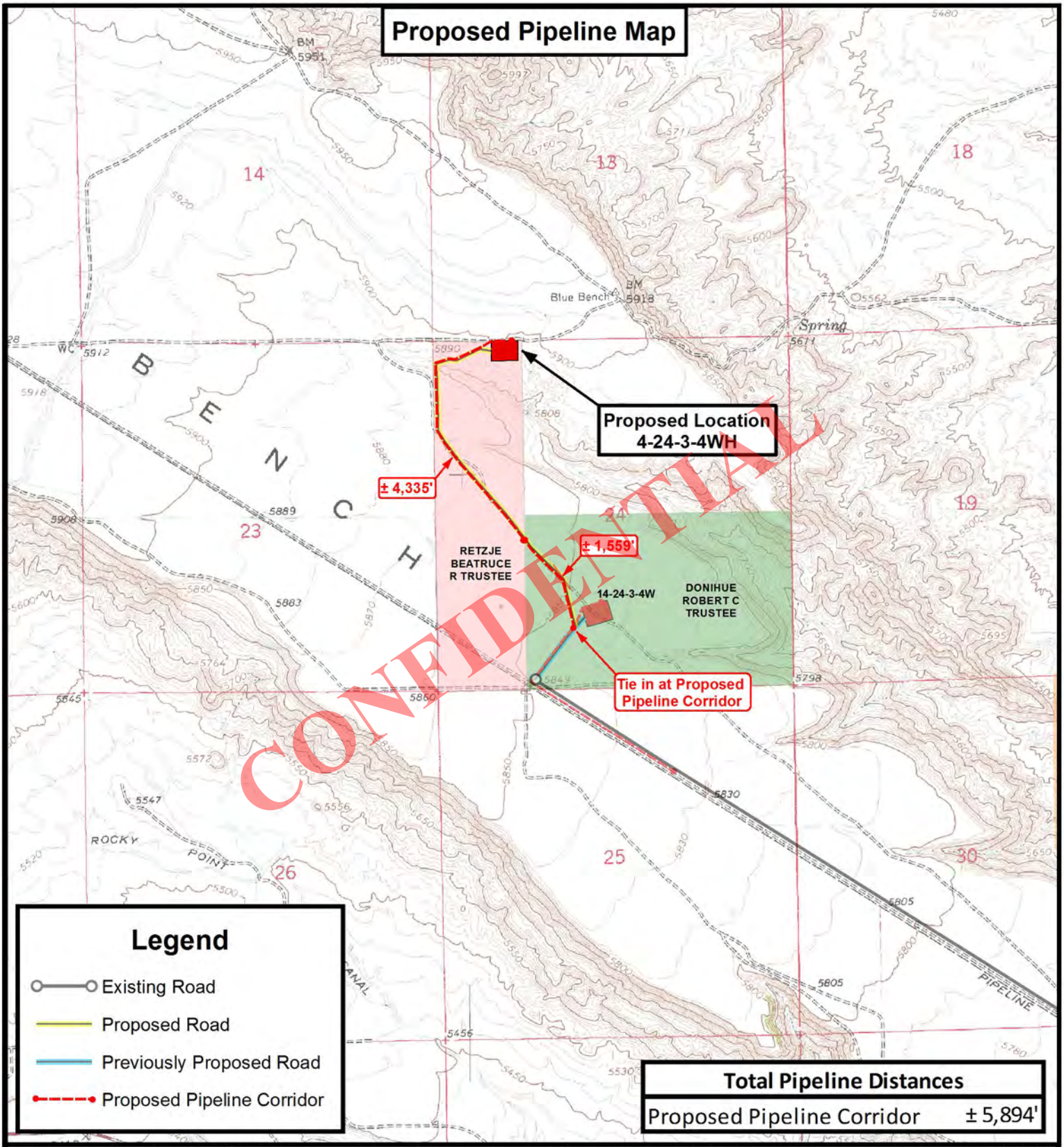
DRAWN BY: A.P.C.	REVISED:	VERSION:
DATE: 09-19-2012		V1
SCALE: 1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013521110000

Proposed Pipeline Map



Legend

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

Total Pipeline Distances	
Proposed Pipeline Corridor	± 5,894'

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

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

N

NEWFIELD EXPLORATION COMPANY

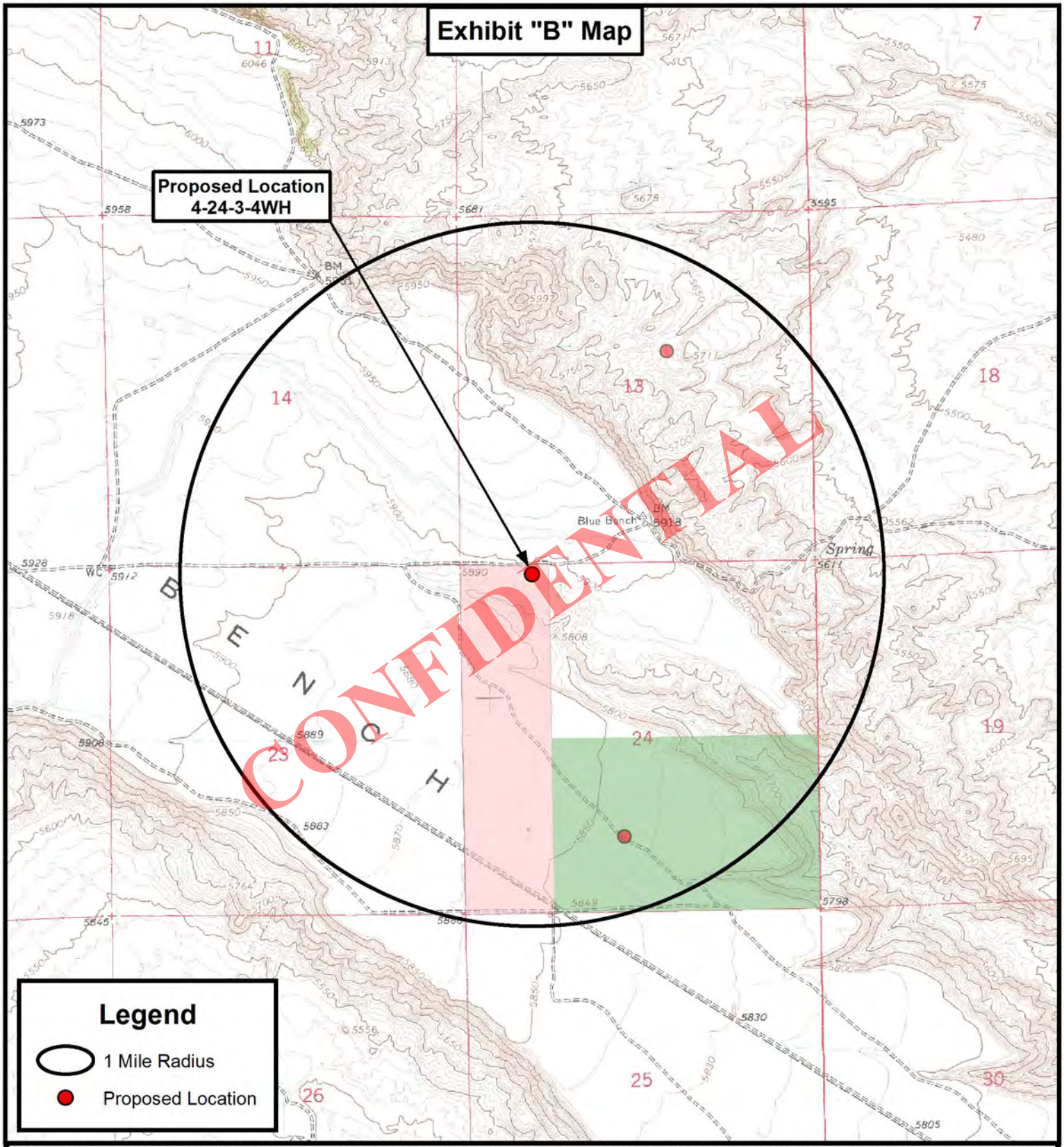
4-24-3-4WH
SEC. 24, T3S, R4W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	09-19-2012		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013521110000



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Tri State Land Surveying, Inc.
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N

NEWFIELD EXPLORATION COMPANY

4-24-3-4WH
SEC. 24, T3S, R4W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED:	VERSION:	TOPOGRAPHIC MAP
DATE: 09-19-2012		V1	SHEET D
SCALE: 1 " = 2,000 '			

API Well Number: 43013521110000

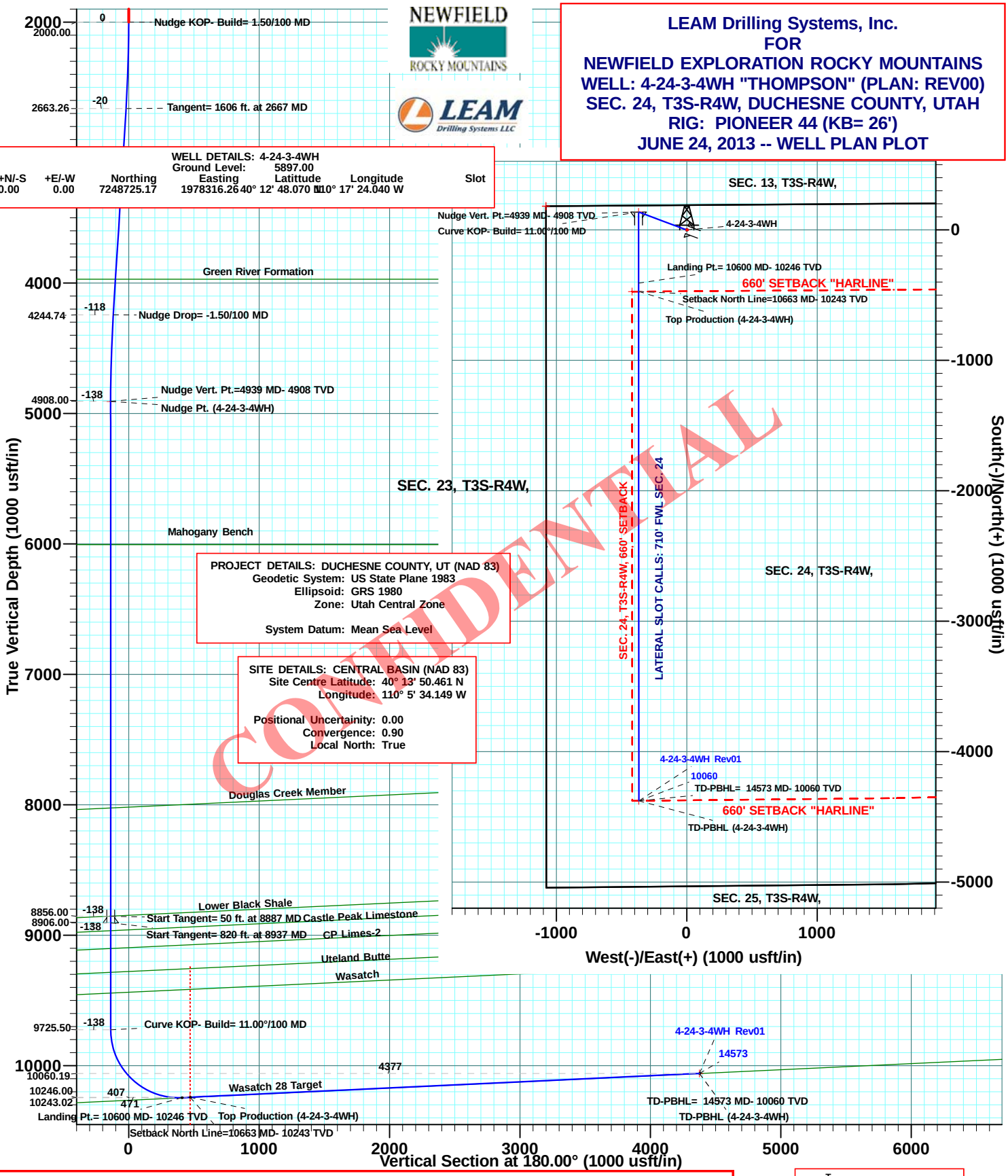
NEWFIELD ROCKY MOUNTAINS

LEAM Drilling Systems LLC

LEAM Drilling Systems, Inc.
FOR
NEWFIELD EXPLORATION ROCKY MOUNTAINS
WELL: 4-24-3-4WH "THOMPSON" (PLAN: REV00)
SEC. 24, T3S-R4W, DUCHESNE COUNTY, UTAH
RIG: PIONEER 44 (KB= 26')
JUNE 24, 2013 -- WELL PLAN PLOT

WELL DETAILS: 4-24-3-4WH
Ground Level: 5897.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7248725.17	1978316.26	40° 12' 48.070 N	110° 17' 24.040 W	



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

System Datum: Mean Sea Level

SITE DETAILS: CENTRAL BASIN (NAD 83)
Site Centre Latitude: 40° 13' 50.461 N
Longitude: 110° 5' 34.149 W

Positional Uncertainity: 0.00
Convergence: 0.90
Local North: True

CONFIDENTIAL

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	
2000.01	0.00	0.00	2000.01	0.00	0.00	0.00	0.00	0.00	
2666.66	10.00	290.45	2663.28	20.28	-54.37	1.50	290.45	-20.28	
4272.51	10.00	290.45	4244.73	117.72	-315.63	0.00	0.00	-117.72	
4939.15	0.00	0.00	4908.00	138.00	-370.00	1.50	180.00	-138.00	
8887.15	0.00	0.00	8856.00	138.00	-370.00	0.00	0.00	-138.00	
8937.15	0.00	0.00	8906.00	138.00	-370.00	0.00	0.00	-138.00	
9756.65	0.00	0.00	9725.50	138.00	-370.00	0.00	0.00	-138.00	
10599.52	92.68	179.96	10246.00	-407.43	-369.62	11.00	179.96	407.43	
10663.15	92.68	179.96	10243.02	-471.00	-369.57	0.00	0.00	471.00	Top Production (4-24-3-4WH)
14573.39	92.68	179.96	10060.19	-4376.96	-366.85	0.00	0.00	4376.96	TD-PBHL (4-24-3-4WH)

T M

Azimuths to True North
Magnetic North: 11.16°

Magnetic Field
Strength: 52118.6snT
Dip Angle: 65.84°
Date: 7/24/2013
Model: IGRF2010

Plan: 4-24-3-4WH Rev01 (4-24-3-4WH/4-24-3-4WH "THOMPSON")
Created By: Lynn Hulin Date: 9:12, July 24 2013

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

RECEIVED: July 26, 2013

API Well Number: 43013521110000

Planning Report

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	4-24-3-4WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	4-24-3-4WH "THOMPSON"		
Design:	4-24-3-4WH Rev01		

Project DUCHESNE COUNTY, UT (NAD 83),

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site CENTRAL BASIN (NAD 83)

Site Position:		**Northing:**	7,255,843.21 usft	**Latitude:**	40° 13' 50.461 N
From:	Map	**Easting:**	2,033,280.24 usft	**Longitude:**	110° 5' 34.149 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.90 °

Well 4-24-3-4WH

Well Position	**+N/-S**	-6,252.47 usft	**Northing:**	7,248,725.17 usft	**Latitude:**	40° 12' 48.070 N
	+E/-W	-55,069.16 usft	**Easting:**	1,978,316.26 usft	**Longitude:**	110° 17' 24.040 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,923.00 usft	**Ground Level:**	5,897.00 usft

Wellbore 4-24-3-4WH "THOMPSON"

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/24/2013	11.16	65.84	52,119

Design 4-24-3-4WH Rev01

Audit Notes:

Version:	Rev01	**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	180.00

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.01	0.00	0.00	2,000.01	0.00	0.00	0.00	0.00	0.00	0.00	
2,666.66	10.00	290.45	2,663.28	20.28	-54.37	1.50	1.50	0.00	290.45	
4,272.51	10.00	290.45	4,244.73	117.72	-315.63	0.00	0.00	0.00	0.00	
4,939.15	0.00	0.00	4,908.00	138.00	-370.00	1.50	-1.50	0.00	180.00	
8,887.15	0.00	0.00	8,856.00	138.00	-370.00	0.00	0.00	0.00	0.00	
8,937.15	0.00	0.00	8,906.00	138.00	-370.00	0.00	0.00	0.00	0.00	
9,756.65	0.00	0.00	9,725.50	138.00	-370.00	0.00	0.00	0.00	0.00	
10,599.52	92.68	179.96	10,246.00	-407.43	-369.62	11.00	11.00	0.00	179.96	
10,663.15	92.68	179.96	10,243.02	-471.00	-369.57	0.00	0.00	0.00	0.00	Top Production (4-2
14,573.39	92.68	179.96	10,060.19	-4,376.96	-366.85	0.00	0.00	0.00	0.00	TD-PBHL (4-24-3-4

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LEAM Drilling Systems LLC

Planning Report

LEAM Drilling Systems LLC

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Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	4-24-3-4WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	4-24-3-4WH "THOMPSON"		
Design:	4-24-3-4WH Rev01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Tangent= 500 ft. at 1500 MD - Casing Pt. 1									
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge KOP- Build= 1.50/100 MD									
2,000.01	0.00	0.00	2,000.01	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	1.50	290.45	2,099.99	0.46	-1.23	-0.46	1.50	1.50	0.00
2,200.00	3.00	290.45	2,199.91	1.83	-4.90	-1.83	1.50	1.50	0.00
2,300.00	4.50	290.45	2,299.69	4.11	-11.03	-4.11	1.50	1.50	0.00
2,400.00	6.00	290.45	2,399.27	7.31	-19.60	-7.31	1.50	1.50	0.00
2,500.00	7.50	290.45	2,498.57	11.42	-30.62	-11.42	1.50	1.50	0.00
2,600.00	9.00	290.45	2,597.54	16.43	-44.06	-16.43	1.50	1.50	0.00
2,666.64	10.00	290.45	2,663.26	20.28	-54.37	-20.28	1.50	1.50	0.00
Tangent= 1606 ft. at 2667 MD									
2,666.66	10.00	290.45	2,663.28	20.28	-54.37	-20.28	1.50	1.50	0.00
2,700.00	10.00	290.45	2,696.11	22.30	-59.79	-22.30	0.00	0.00	0.00
2,800.00	10.00	290.45	2,794.60	28.37	-76.06	-28.37	0.00	0.00	0.00
2,900.00	10.00	290.45	2,893.08	34.44	-92.33	-34.44	0.00	0.00	0.00
3,000.00	10.00	290.45	2,991.56	40.51	-108.60	-40.51	0.00	0.00	0.00
3,100.00	10.00	290.45	3,090.04	46.57	-124.87	-46.57	0.00	0.00	0.00
3,200.00	10.00	290.45	3,188.52	52.64	-141.14	-52.64	0.00	0.00	0.00
3,300.00	10.00	290.45	3,287.00	58.71	-157.41	-58.71	0.00	0.00	0.00
3,400.00	10.00	290.45	3,385.48	64.78	-173.68	-64.78	0.00	0.00	0.00
3,500.00	10.00	290.45	3,483.96	70.85	-189.95	-70.85	0.00	0.00	0.00
3,600.00	10.00	290.45	3,582.44	76.91	-206.22	-76.91	0.00	0.00	0.00
3,700.00	10.00	290.45	3,680.92	82.98	-222.49	-82.98	0.00	0.00	0.00
3,800.00	10.00	290.45	3,779.40	89.05	-238.76	-89.05	0.00	0.00	0.00
3,900.00	10.00	290.45	3,877.88	95.12	-255.03	-95.12	0.00	0.00	0.00
3,994.55	10.00	290.45	3,971.00	100.86	-270.41	-100.86	0.00	0.00	0.00
Green River Formation									
4,000.00	10.00	290.45	3,976.37	101.19	-271.30	-101.19	0.00	0.00	0.00
4,100.00	10.00	290.45	4,074.85	107.25	-287.57	-107.25	0.00	0.00	0.00
4,200.00	10.00	290.45	4,173.33	113.32	-303.84	-113.32	0.00	0.00	0.00

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Wellbore:	4-24-3-4WH "THOMPSON"		
Design:	4-24-3-4WH Rev01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,272.51	10.00	290.45	4,244.74	117.72	-315.63	-117.72	0.00	0.00	0.00
Nudge Drop= -1.50/100 MD									
4,300.00	9.59	290.45	4,271.83	119.36	-320.01	-119.36	1.50	-1.50	0.00
4,400.00	8.09	290.45	4,370.64	124.72	-334.41	-124.72	1.50	-1.50	0.00
4,500.00	6.59	290.45	4,469.81	129.19	-346.37	-129.19	1.50	-1.50	0.00
4,600.00	5.09	290.45	4,569.29	132.74	-355.90	-132.74	1.50	-1.50	0.00
4,700.00	3.59	290.45	4,669.00	135.38	-362.99	-135.38	1.50	-1.50	0.00
4,800.00	2.09	290.45	4,768.88	137.11	-367.63	-137.11	1.50	-1.50	0.00
4,900.00	0.59	290.45	4,868.85	137.93	-369.81	-137.93	1.50	-1.50	0.00
4,939.15	0.00	0.00	4,908.00	138.00	-370.00	-138.00	1.50	-1.50	177.63
Nudge Vert. Pt.=4939 MD- 4908 TVD									
5,000.00	0.00	0.00	4,968.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,068.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,168.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,268.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,368.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,468.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,568.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,668.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,768.85	138.00	-370.00	-138.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,868.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,000.00	0.00	0.00	5,968.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,037.15	0.00	0.00	6,006.00	138.00	-370.00	-138.00	0.00	0.00	0.00
Mahogany Bench									
6,100.00	0.00	0.00	6,068.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,168.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,268.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,368.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,468.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,568.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,668.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,768.85	138.00	-370.00	-138.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,868.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,000.00	0.00	0.00	6,968.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,068.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,168.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,268.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,368.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,468.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,568.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,668.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,768.85	138.00	-370.00	-138.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,868.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,000.00	0.00	0.00	7,968.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,056.61	0.00	0.00	8,025.46	138.00	-370.00	-138.00	0.00	0.00	0.00
Douglas Creek Member									
8,100.00	0.00	0.00	8,068.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,168.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,268.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,368.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,468.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,568.85	138.00	-370.00	-138.00	0.00	0.00	0.00

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8,700.00	0.00	0.00	8,668.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,768.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,885.61	0.00	0.00	8,854.46	138.00	-370.00	-138.00	0.00	0.00	0.00
Lower Black Shale									
8,887.15	0.00	0.00	8,856.00	138.00	-370.00	-138.00	0.00	0.00	0.00
Start Tangent= 50 ft. at 8887 MD									
8,900.00	0.00	0.00	8,868.85	138.00	-370.00	-138.00	0.00	0.00	0.00
8,937.15	0.00	0.00	8,906.00	138.00	-370.00	-138.00	0.00	0.00	0.00
Start Tangent= 820 ft. at 8937 MD - Casing Pt. 2									
8,997.61	0.00	0.00	8,966.46	138.00	-370.00	-138.00	0.00	0.00	0.00
Castle Peak Limestone									
9,000.00	0.00	0.00	8,968.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,068.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,133.61	0.00	0.00	9,102.46	138.00	-370.00	-138.00	0.00	0.00	0.00
CP Limes-2									
9,200.00	0.00	0.00	9,168.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,268.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,316.61	0.00	0.00	9,285.46	138.00	-370.00	-138.00	0.00	0.00	0.00
Uteland Butte									
9,400.00	0.00	0.00	9,368.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,475.61	0.00	0.00	9,444.46	138.00	-370.00	-138.00	0.00	0.00	0.00
Wasatch									
9,500.00	0.00	0.00	9,468.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,568.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,668.85	138.00	-370.00	-138.00	0.00	0.00	0.00
9,756.65	0.00	0.00	9,725.50	138.00	-370.00	-138.00	0.00	0.00	0.00
Curve KOP- Build= 11.00°/100 MD									
9,800.00	4.77	179.96	9,768.80	136.20	-370.00	-136.20	11.00	11.00	0.00
9,850.00	10.26	179.96	9,818.35	129.66	-369.99	-129.66	11.00	11.00	0.00
9,900.00	15.76	179.96	9,867.05	118.41	-369.99	-118.41	11.00	11.00	0.00
9,950.00	21.26	179.96	9,914.44	102.54	-369.98	-102.54	11.00	11.00	0.00
10,000.00	26.76	179.96	9,960.10	82.20	-369.96	-82.20	11.00	11.00	0.00
10,050.00	32.26	179.96	10,003.60	57.59	-369.94	-57.59	11.00	11.00	0.00
10,100.00	37.75	179.96	10,044.53	28.91	-369.92	-28.91	11.00	11.00	0.00
10,150.00	43.25	179.96	10,082.54	-3.55	-369.90	3.55	11.00	11.00	0.00
10,200.00	48.75	179.96	10,117.26	-39.50	-369.88	39.50	11.00	11.00	0.00
10,250.00	54.25	179.96	10,148.37	-78.62	-369.85	78.62	11.00	11.00	0.00
10,300.00	59.75	179.96	10,175.60	-120.53	-369.82	120.53	11.00	11.00	0.00
10,350.00	65.24	179.96	10,198.68	-164.86	-369.79	164.86	11.00	11.00	0.00
10,400.00	70.74	179.96	10,217.41	-211.20	-369.76	211.20	11.00	11.00	0.00
10,450.00	76.24	179.96	10,231.61	-259.12	-369.72	259.12	11.00	11.00	0.00
10,500.00	81.74	179.96	10,241.16	-308.18	-369.69	308.18	11.00	11.00	0.00
10,550.00	87.23	179.96	10,245.96	-357.93	-369.65	357.93	11.00	11.00	0.00
10,599.52	92.68	179.96	10,246.00	-407.43	-369.62	407.43	11.00	11.00	0.00
Landing Pt.= 10600 MD- 10246 TVD									
10,663.16	92.68	179.96	10,243.02	-471.00	-369.57	471.00	0.00	0.00	0.00
Setback North Line=10663 MD- 10243 TVD									
10,700.00	92.68	179.96	10,241.30	-507.80	-369.55	507.80	0.00	0.00	0.00
10,800.00	92.68	179.96	10,236.63	-607.69	-369.48	607.69	0.00	0.00	0.00
10,900.00	92.68	179.96	10,231.95	-707.58	-369.41	707.58	0.00	0.00	0.00

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RECEIVED: July 26, 2013

LEAM Drilling Systems LLC

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	4-24-3-4WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	4-24-3-4WH "THOMPSON"		
Design:	4-24-3-4WH Rev01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,000.00	92.68	179.96	10,227.27	-807.47	-369.34	807.47	0.00	0.00	0.00
11,100.00	92.68	179.96	10,222.60	-907.37	-369.27	907.37	0.00	0.00	0.00
11,200.00	92.68	179.96	10,217.92	-1,007.26	-369.20	1,007.26	0.00	0.00	0.00
11,300.00	92.68	179.96	10,213.25	-1,107.15	-369.13	1,107.15	0.00	0.00	0.00
11,400.00	92.68	179.96	10,208.57	-1,207.04	-369.06	1,207.04	0.00	0.00	0.00
11,500.00	92.68	179.96	10,203.90	-1,306.93	-368.99	1,306.93	0.00	0.00	0.00
11,600.00	92.68	179.96	10,199.22	-1,406.82	-368.92	1,406.82	0.00	0.00	0.00
11,700.00	92.68	179.96	10,194.54	-1,506.71	-368.85	1,506.71	0.00	0.00	0.00
11,800.00	92.68	179.96	10,189.87	-1,606.60	-368.78	1,606.60	0.00	0.00	0.00
11,900.00	92.68	179.96	10,185.19	-1,706.49	-368.71	1,706.49	0.00	0.00	0.00
12,000.00	92.68	179.96	10,180.52	-1,806.38	-368.64	1,806.38	0.00	0.00	0.00
12,100.00	92.68	179.96	10,175.84	-1,906.27	-368.57	1,906.27	0.00	0.00	0.00
12,200.00	92.68	179.96	10,171.17	-2,006.16	-368.50	2,006.16	0.00	0.00	0.00
12,300.00	92.68	179.96	10,166.49	-2,106.05	-368.43	2,106.05	0.00	0.00	0.00
12,400.00	92.68	179.96	10,161.81	-2,205.94	-368.36	2,205.94	0.00	0.00	0.00
12,500.00	92.68	179.96	10,157.14	-2,305.83	-368.29	2,305.83	0.00	0.00	0.00
12,600.00	92.68	179.96	10,152.46	-2,405.72	-368.22	2,405.72	0.00	0.00	0.00
12,700.00	92.68	179.96	10,147.79	-2,505.62	-368.15	2,505.62	0.00	0.00	0.00
12,800.00	92.68	179.96	10,143.11	-2,605.51	-368.08	2,605.51	0.00	0.00	0.00
12,900.00	92.68	179.96	10,138.43	-2,705.40	-368.01	2,705.40	0.00	0.00	0.00
13,000.00	92.68	179.96	10,133.76	-2,805.29	-367.95	2,805.29	0.00	0.00	0.00
13,100.00	92.68	179.96	10,129.08	-2,905.18	-367.88	2,905.18	0.00	0.00	0.00
13,200.00	92.68	179.96	10,124.41	-3,005.07	-367.81	3,005.07	0.00	0.00	0.00
13,300.00	92.68	179.96	10,119.73	-3,104.96	-367.74	3,104.96	0.00	0.00	0.00
13,400.00	92.68	179.96	10,115.06	-3,204.85	-367.67	3,204.85	0.00	0.00	0.00
13,500.00	92.68	179.96	10,110.38	-3,304.74	-367.60	3,304.74	0.00	0.00	0.00
13,600.00	92.68	179.96	10,105.70	-3,404.63	-367.53	3,404.63	0.00	0.00	0.00
13,700.00	92.68	179.96	10,101.03	-3,504.52	-367.46	3,504.52	0.00	0.00	0.00
13,800.00	92.68	179.96	10,096.35	-3,604.41	-367.39	3,604.41	0.00	0.00	0.00
13,900.00	92.68	179.96	10,091.68	-3,704.30	-367.32	3,704.30	0.00	0.00	0.00
14,000.00	92.68	179.96	10,087.00	-3,804.19	-367.25	3,804.19	0.00	0.00	0.00
14,100.00	92.68	179.96	10,082.33	-3,904.08	-367.18	3,904.08	0.00	0.00	0.00
14,200.00	92.68	179.96	10,077.65	-4,003.97	-367.11	4,003.97	0.00	0.00	0.00
14,300.00	92.68	179.96	10,072.97	-4,103.86	-367.04	4,103.86	0.00	0.00	0.00
14,400.00	92.68	179.96	10,068.30	-4,203.76	-366.97	4,203.76	0.00	0.00	0.00
14,500.00	92.68	179.96	10,063.62	-4,303.65	-366.90	4,303.65	0.00	0.00	0.00
14,573.39	92.68	179.96	10,060.19	-4,376.96	-366.85	4,376.96	0.00	0.00	0.00

TD-PBHL= 14573 MD- 10060 TVD

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LEAM Drilling Systems LLC

Planning Report

LEAM Drilling Systems LLC

Database:	EDM 5000.1 Lynn Db	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	4-24-3-4WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	4-24-3-4WH "THOMPSON"		
Design:	4-24-3-4WH Rev01		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SEC. 24, T3S-R4W,	0.00	0.00	-1.00	182.18	-1,079.82	7,248,892.72	1,977,234.07	40° 12' 49.870 N	110° 17' 37.960 W
- plan misses target center by 1095.08usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			-1.00	0.00	0.00	7,248,892.72	1,977,234.07		
Point 2			-1.00	19.25	2,659.22	7,248,947.94	1,979,892.79		
Point 3			-1.00	35.75	5,319.21	7,249,000.42	1,982,552.31		
Point 4			-1.00	-2,555.63	5,323.54	7,246,409.34	1,982,591.70		
Point 5			-1.00	-5,147.00	5,327.08	7,243,818.26	1,982,630.29		
Point 6			-1.00	-5,197.90	2,671.19	7,243,731.43	1,979,975.33		
Point 7			-1.00	-5,224.24	2.88	7,243,669.00	1,977,307.62		
Point 8			-1.00	-2,610.61	2.22	7,246,282.38	1,977,271.61		
Point 9			-1.00	0.00	0.00	7,248,892.72	1,977,234.07		
SEC. 24, T3S-R4W, 6	0.00	0.00	-1.00	-472.52	-419.68	7,248,247.01	1,977,903.01	40° 12' 43.400 N	110° 17' 29.450 W
- plan misses target center by 631.99usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Polygon									
Point 1			-1.00	0.00	0.00	7,248,247.01	1,977,903.01		
Point 2			-1.00	14.22	2,003.78	7,248,288.34	1,979,906.42		
Point 3			-1.00	26.56	4,000.57	7,248,327.69	1,981,902.86		
Point 4			-1.00	-1,902.05	4,003.17	7,246,399.29	1,981,931.55		
Point 5			-1.00	-3,844.81	4,006.56	7,244,456.75	1,981,961.22		
Point 6			-1.00	-3,883.47	2,001.69	7,244,390.98	1,979,957.05		
Point 7			-1.00	-3,903.76	2.26	7,244,343.64	1,977,958.08		
Point 8			-1.00	-1,955.93	1.51	7,246,291.28	1,977,930.98		
Point 9			-1.00	0.00	0.00	7,248,247.01	1,977,903.01		
Nudge Pt. (4-24-3-4W	0.00	0.00	4,908.00	138.00	-370.00	7,248,858.15	1,977,944.43	40° 12' 49.434 N	110° 17' 28.810 W
- plan hits target center									
- Point									
TD-PBHL (4-24-3-4W	0.00	0.00	10,060.00	-4,376.96	-367.42	7,244,343.64	1,978,008.08	40° 12' 4.813 N	110° 17' 28.776 W
- plan misses target center by 0.61usft at 14573.39usft MD (10060.19 TVD, -4376.96 N, -366.85 E)									
- Point									
Top Production (4-24-	0.00	180.00	10,243.00	-471.00	-370.00	7,248,249.21	1,977,952.67	40° 12' 43.415 N	110° 17' 28.810 W
- plan misses target center by 0.43usft at 10663.15usft MD (10243.02 TVD, -471.00 N, -369.57 E)									
- Rectangle (sides W0.00 H0.00 D1,500.00)									

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Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,994.55	3,971.00	Green River Formation		0.00	180.00
6,037.15	6,006.00	Mahogany Bench		0.00	180.00
8,056.61	8,025.46	Douglas Creek Member		-2.68	180.00
8,885.61	8,854.46	Lower Black Shale		-2.68	180.00
8,997.61	8,966.46	Castle Peak Limestone		-2.68	180.00
9,133.61	9,102.46	CP Limes-2		-2.68	180.00
9,316.61	9,285.46	Uteland Butte		-2.68	180.00
9,475.61	9,444.46	Wasatch		-2.68	180.00

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LEAM Drilling Systems LLC

Planning Report

LEAM Drilling Systems LLC

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Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**North Reference:**	True
Well:	4-24-3-4WH	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	4-24-3-4WH "THOMPSON"		
Design:	4-24-3-4WH Rev01		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,500.00	1,500.00	0.00	0.00	Tangent= 500 ft. at 1500 MD
2,000.00	2,000.00	0.00	0.00	Nudge KOP- Build= 1.50/100 MD
2,666.64	2,663.26	20.28	-54.37	Tangent= 1606 ft. at 2667 MD
4,272.51	4,244.74	117.72	-315.63	Nudge Drop= -1.50/100 MD
4,939.15	4,908.00	138.00	-370.00	Nudge Vert. Pt.=4939 MD- 4908 TVD
8,887.15	8,856.00	138.00	-370.00	Start Tangent= 50 ft. at 8887 MD
8,937.15	8,906.00	138.00	-370.00	Start Tangent= 820 ft. at 8937 MD
9,756.65	9,725.50	138.00	-370.00	Curve KOP- Build= 11.00°/100 MD
10,599.52	10,246.00	-407.43	-369.62	Landing Pt.= 10600 MD- 10246 TVD
10,663.16	10,243.02	-471.00	-369.57	Setback North Line=10663 MD- 10243 TVD
14,573.39	10,060.19	-4,376.96	-366.85	TD-PBHL= 14573 MD- 10060 TVD

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RECEIVED: July 26, 2013

SELF-CERTIFICATION STATEMENT FROM LESSEE/OPERATOR

SURFACE OWNER IDENTIFICATION

Well(s) Number and Location: Thompson 4-24-3-4WH, Duchesne County, Utah

I hereby certify to the Authorized Officer of the Bureau of Land Management that I have reached one of the following agreements with the Surface Owner; or after failure of my good-faith effort to come to an agreement of any kind with the Surface Owner, I will provide a bond or comply with State requirements:

1) _____I have a signed access agreement to enter the leased lands;

2) _____I have a signed waiver from the surface owner;

3) _____I have entered into an agreement regarding compensation to the surface owner for damages for loss of crops and tangible improvements.

4) _____Because I have been unable to reach either 1), 2), or 3) with the surface owner, I will obtain a bond to cover loss of crops and damages to tangible improvements.

5) ___X___Because this well is located on privately owned surface, with a wellbore path intersecting both privately held and Tribal Trust minerals, and due to the inability to reach either 1), 2), or 3) with the Surface Owner's owning the remaining 12% interest, I will comply with the Utah Division of Oil, Gas & Mining statutes governing Surface Owner Protection Act Provisions (R649-3-38)

Surface owner information: (if available after diligent effort)

Surface Owners

Lynn Forsythe
1149 Sturbridge Dr.
Medina, OH 44256
(330) 725-8456

Ronald Speck
413 E. Robinson Ave.
Barberton, OH 44203
(330) 524-0796

Diane Tumbry
30209 Gebhardt Pl.
Willowick, OH 44095
(440) 943-6624

Rory Van Meyers
4908 Park Brook
Fort Worth, TX 76137
(817) 281-4034

Victoria Schmuhl
4209 Brookshire Circle
Santa Rosa, CA 95405-7826
(707) 577-0125

CONFIDENTIAL

Signed this 10th day of July, 2013.

(Signature of Landman)

Greg Boggs
(Printed Name of Landman)

STATE OF COLORADO)
) ss.
CITY AND COUNTY OF DENVER)

Subscribed and sworn to before me this 10th day of July, 2013.

Notary Public

My Commission Expires: 8/9/2015

PETER BURNS
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 8/09/2015

CONFIDENTIAL

SELF-CERTIFICATION STATEMENT FROM LESSEE/OPERATOR

SURFACE OWNER IDENTIFICATION

Well(s) Number and Location: Thompson 4-24-3-4WH, Duchesne County, Utah

I hereby certify to the Authorized Officer of the Bureau of Land Management that I have reached one of the following agreements with the Surface Owner; or after failure of my good-faith effort to come to an agreement of any kind with the Surface Owner, I will provide a bond or comply with State requirements:

1) ___X____I have a signed access agreement to enter the leased lands; covering 88% of the surface interest

2) _____I have a signed waiver from the surface owner;

3) _____I have entered into an agreement regarding compensation to the surface owner for damages for loss of crops and tangible improvements.

4) _____Because I have been unable to reach either 1), 2), or 3) with the surface owner, I will obtain a bond to cover loss of crops and damages to tangible improvements.

5) _____Because this well is located on privately owned surface, with a wellbore path intersecting both privately held and Tribal Trust minerals, and due to the inability to reach either 1), 2), or 3) with the surface owner, I will comply with the Utah Division of Oil, Gas & Mining statutes governing Surface Owner Protection Act Provisions (R649-3-38)

Surface owner information: (if available after diligent effort)

Surface Owners

Robert C. Donihue Trust
7992 Mountain Oaks Dr.
Salt Lake City, UT 84121-5940
(801) 733-4406

Vincent Sinko
521 Weston Ct.
Copley, OH 44321
(330) 668-6654

Nancy Dubecky
6106 NE 139th Ave.
Vancouver, WA 98682
(360) 254-1085

Delores Pritchard
8808 E. Old Spanish Trail
Tucson, AZ 85741
(520) 742-2235

Patricia Hanish
11480 N. 104th St.
Scottsdale, AZ 85260
(480) 860-5630

Larry D. Pritchard
7821 Casimir Pulaski Ave.
Tucson, AZ 85741
(520) 742-2235

Michael and Nina Bleazard, Trustees, et al
HC 64 Box 149A
Duchesne, UT 84021-9501
(435) 646-3269

Marcia Baker
151612 N. 31st Ave.
Phoenix, AZ 85053
(602) 421-8774

Shelley Puntel
10570 King Coe Lane
Strongsville, OH 44149
(440) 238-2955

Patricia Krajewski
6804 Forman Ave.
Cleveland, OH 44105

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Arnold Sinko
13787 Old Orchard Road
Strongsville, OH 44136

James Bogucki
9526 Idlewood Dr.
Cleveland, OH 44144
(216) 749-6667

Beatrice R. Retzke Trust
Sandy Murphy, Trustee
1904 Freeport Ct.
Gilbert, AZ 85234
(602) 743-7609

Dorothy Ortiz Mena Markivich
P. Xochicalco 43 MZA128 LT.22
Secc.Volcanes L. Cocoyoc
Atlatlahuacan, Moreles
Mexico
C.P. 62840-62734

Carol Markivich Fuizzotti
2464 E. Donata Drive
Gilbert, AZ 85298

Gerald Leavitt
RR 3, Box 3052
Roosevelt, UT 84066

Signed this 10th day of July, 2013.

(Signature of Landman)

Greg Boggs
(Printed Name of Landman)

CONFIDENTIAL

STATE OF COLORADO)
) ss.
CITY AND COUNTY OF DENVER)

Subscribed and sworn to before me this 10th day of July, 2013.

Notary Public

My Commission Expires: 8/9/2015

PETER BURNS
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 8/09/2015

API Well Number: 43013521110000

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

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

1. My name is Greg Boggs. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").

2. Newfield is the Operator of the proposed Thompson 4-24-3-4WH well with a surface location to be positioned in the NWNW of Section 24, Township 3 South, Range 4 West (the "Drillsite Location"), and a bottom hole location to be positioned in the SWSW of Section 24, Township 3 South, Range 4 West, Duchesne County, Utah.

3. The Drillsite Location ownership is divided between 21 different surface owners. Newfield has obtained an Easement, Right-of-Way and Surface Use Agreement ("SUA") from 16 of the surface owners; however, due to varying interests between the surface owners, Newfield's SUA's cover 88% of the tract acreage.

4. Newfield initiated contact with the outstanding surface owners approximately 14 months ago and will continue our efforts to contact each of them to obtain an SUA. If we are unable to contact and/or reach an agreement with the outstanding surface owners, we will obtain a bond to cover loss of crops and damages to tangible improvements in compliance with the Utah Division of Oil, Gas & Mining statutes governing Surface Owner Protection Act Provisions (R649-3-38).

CONFIDENTIAL

FURTHER AFFIANT SAYETH NOT.

Greg Boggs

ACKNOWLEDGEMENT

STATE OF COLORADO §
§
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 10th day of July, 2013, personally appeared Greg Boggs, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

PETER BURNS
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 8/09/2015

Kurt P. Gasser, Esq. (U.S.B. #14177)
Frederick M. MacDonald, Esq. (U.S.B. #4876)
MACDONALD & MILLER MINERAL LEGAL SERVICES, PLLC
7090 S. Union Park Ave., Ste. 420
Salt Lake City, Utah 84047
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Facsimile: (801) 676-0051
kurt@macmillerlegal.com
fred@macmillerlegal.com

Attorneys for Plaintiff Newfield Production Company

IN THE EIGHTH JUDICIAL DISTRICT COURT
IN AND FOR DUCHESNE COUNTY, STATE OF UTAH

NEWFIELD PRODUCTION COMPANY, a Texas corporation, Plaintiff, v. 33.97 ACRES OF LAND, more or less, located in the S½ and S½NW¼ of Section 30, NE¼, N½NE¼ and SE¼NE¼ of Section 31, NW¼ and N½S½ of Section 32, T3S, R3W, USM, and W½NW¼, SE¼NW¼, and S½ of Section 24 and N½, SE¼, NE¼SW¼ of Section 25 of T3S, R4W, USM, Portions of Tax Serial Nos. 00-0008-0576, 00-0008-0584, 00-0028-6983, 00-0008-0600, 00-0008-0618, 00-0028-6991, 00-0007-7796, 00-0007-7804, 00-0028-6959, 00-0007-7820, 00-0007-7838, 00-0028-6967, 00-0007-7978, 00-0007-7986, and 00-0028-6975, Duchesne County, Utah; RONALD SPECK, LYNN FORSYTHE, RORY VAN MYERS, DIANE TUMBRY and VICTORIA SCHMUHL, individuals; and JOHN DOES I through X (being any and all other parties claiming any interest in the above described tract of land and any and all other parties claiming an interest by and though the ESTATES OF LORETTA SPECK, LINDA MYERS, MARGARET SINKO and FRANK J. RETZKE), Defendants.	**AFFIDAVIT OF ROBERT JACKSON** Case No. 130800021 Judge Lyle R. Anderson

CONFIDENTIAL

STATE OF UTAH)
)ss.
COUNTY OF DUCHESNE)

ROBERT JACKSON, after being duly sworn under oath, deposes and states as follows:

1. I am over 18 years of age, under no disability, competent to give this testimony, and am personally familiar with the facts set forth in this Affidavit.

2. I am an independently contracted petroleum landman working with Percheron LLC ("Percheron") and have over 10 years' experience, including pipeline and road right-of-way acquisitions.

3. On or about May 10, 2012, Dave Smith, a landman working for Percheron, contacted Ronald Speck ("Mr. Speck") and Lynn Forsythe ("Ms. Forsythe"), believed to be heirs of Loretta Speck. When Mr. Smith left the project, Brian Davis, another Percheron landman, took over the negotiations with Mr. Speck and Ms. Forsythe, which negotiations are documented in his affidavit.

a. On December 20, 2012, Mr. Davis and I updated the contracts to be dated 2013, and called Mr. Speck and Ms. Forsythe and left a voice messages with each indicating that they should sign the 2013 documents unless they signed before December 31, 2012.

b. I had not achieved any further contact with Mr. Speck or Ms. Forsythe as of January 11, 2013. I prepared new contracts and letters requesting contact or a return of the prepaid envelopes with the documents marked "refused" and initialed for further action. This correspondence was sent Certified Mail on January 14, 2013. Mr. Speck signed for the Certified Mailing on January 17, 2013, and Ms. Forsythe on January 18, 2013. No response was received.

c. On February 7, I again mailed a new contract, W-9, and letter requesting that Mr. Speck and Ms. Forsythe either sign the contract or indicate her refusal and return her response in the prepaid envelope. On February 15 Mr. Speck signed for delivery of the documents, and Ms. Forsythe on February 9. No further contact has been made with Mr. Speck or Ms. Forsythe.

CONFIDENTIAL

4. On or about May, 2012, Mr. Smith spoke to Diane Tumbry ("Ms. Tumbry"), a sister to Linda Myers, regarding unknown heirship of Linda Myers, who appears to be deceased.

a. On June 4, 2012, Ms. Tumbry sent to Mr. Smith information indicating that "Van" Myers was Linda Myers' husband. Mr. Smith performed an internet search which indicated a Rory V. Myers ("Mr. Myers") lived at the address provided. Mr. Smith called Mr. Myers and left a voice message.

b. Between July 2 and August 24, 2012, I made numerous attempts to contact Mr. Myers, and left numerous voice messages.

c. On September 15, 2012, I spoke with Mr. Myers. Mr. Myers agreed to send the requested heirship documents required to prepare contracts and SUAs, which heirship documents were received on or about October 15, 2012.

d. On October 26, 2012, I sent the SUA and contract documents to Mr. Myers.

e. On October 31, 2012, Mr. Myers sent an email to me and indicated that he received the documents, and he would contact me after reviewing the documents further.

f. Between November 2 and December 16, 2012, I left numerous voice messages and sent various emails requesting contact, but received no reply.

g. On December 20, 2012, I updated the contracts to 2013 dates. I called Mr. Myers and left a voice message indicating that he was sending new contracts, and to execute the 2013 contract if he were to sign after December 31, 2012.

h. By January 14, 2013, Mr. Myers had not responded to attempted contacts. I prepared a new contract and letter requesting Mr. Myers either sign or return the contract indicating her refusal to sign. Mr. Myers signed for the certified mailing on January 19, 2013.

i. On January 22, 2013, Mr. Myers called me and we spoke at length. I explained Mr. Myers rights as a surface owner as compared to the rights of the mineral owner, and Mr. Myers options concerning the easement/right of way/SUA contracts. Mr. Myers indicated that he would sign the SUA contract after verifying with his lawyer, and that he or his lawyer would call me within the week to confirm his decision. No follow up call was received.

j. On February 7, 2013, I sent via Certified Mail contracts, a W-9, and a letter requesting Mr. Myers either sign in acceptance, or indicate refusal. On February 9, 2013, Mr. Myers signed for receipt of the mailing. No further correspondence was received.

5. On July 10, 2012, Percheron received a signed Survey Permission Form from Ms. Tumbry.

a. Between August 1 and August 30, 2012, I made several attempts to contact Ms. Tumbry, but with no success.

b. On September 1, 2012, I made contact with Ms. Tumbry to discuss the SUA, and on September 5, 2012 I mailed SUA documents to Ms. Tumbry's signature.

c. Between September 17 and December 20, 2012, I made several attempts to contact Ms. Tumbry to discuss the status of the contract, but received no responses.

d. On December 20, 2012, I updated the contracts to 2013 dates. I called Ms. Tumbry and left a voice message indicating that I was sending new contracts, and to execute the 2013 contract if she were to sign after December 31, 2012.

e. On January 11, 2013, Ms. Tumbry had not responded to attempted contacts. I prepared new contracts and sent a letter requesting contact or return of the prepaid envelope with documents indicating acceptance or refusal.

f. I sent the contracts and letter via Certified Mail on January 14, 2013, and Ms. Tumbry signed for delivery on January 26, 2013.

g. I again sent the contracts via Certified Mail on February 11, 2013, and Ms. Tumbry signed for delivery on February 19, 2013. No further contact has been made with Ms. Tumbry.

6. On May 24, 2012, Mr. Smith contacted Victoria Schmuhl ("Ms. Schmuhl") and discussed a right of way for a pipeline and requested permission to survey the proposed route. Ms. Schmuhl refused to sign the Survey Permission Form, and stated she wanted to sell her interest in the lands. Mr. Smith also spoke with Patricia Hanish ("Ms. Hanish"), who is a relative of Ms. Schmuhl, to discuss Ms. Schmuhl's refusal to sign the Survey. Mr. Smith handled the negotiations with Ms. Schmuhl until my involvement in October, 2012, which negotiations are documented in his affidavit.

CONFIDENTIAL

a. On October 5, 2012, I contacted Ms. Schmuhl to discuss the SUAs. Ms. Schmuhl again expressed her desire to sell her interest, but told me to mail her the documents for review with her attorney, which contracts were mailed October 6, 2012.

b. On October 12, 2012, Ms. Schmuhl received email contracts. On October 13, 2012, I telephoned Ms. Schmuhl to discuss the contracts. Ms. Schmuhl indicated that she was satisfied with the contracts, and led me to believe that she would execute and return the contracts to him. The contracts were never returned.

c. On October 17, 2012, I called to follow up with Ms. Schmuhl and left a voice message. No response was received.

d. On November 17, 2012, I spoke with Ms. Schmuhl regarding the contracts, which I agreed to send again, and she agreed to review them.

e. On December 8, 2012, I spoke with Ms. Schmuhl, and she indicated that she was negotiating a sale of her interest in the Subject Property. She also indicated that if she was unable to sell her property, she would sign the contracts.

f. On December 17, 2012, I received a refusal letter in the mail from Ms. Schmuhl.

g. On January 22, 2013, I called Ms. Schmuhl and asked to discuss her refusal. Ms. Schmuhl asked that I not bother her further, and indicated her intention to sue anyone who came on to her property. I sent a contract, W-9, and a letter requesting Ms. Schmuhl either sign the contract or indicate her refusal and return the correspondence in the enclosed prepaid envelope.

h. On February 27, 2013, I received a second refusal letter dated December 15, 2012 and February 15, 2013. The refusal reiterated Ms. Schmuhl's intentions to disallow anyone the right to drill on her property.

CONFIDENTIAL

Executed this 3rd day July, 2013.

ROBERT JACKSON

Subscribed and sworn to before me, a Notary Public, by Robert Jackson on this 3rd day of July, 2013.

My Commission Expires:

4/8/17

NOTARY PUBLIC 7/3/13 A.J.

Residing at: San Miguel County of State of New Mexico

OFFICIAL SEAL
Miguel E. Lozano
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 4/8/17

2000.15

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Attorneys for Plaintiff Newfield Production Company

CONFIDENTIAL

IN THE EIGHTH JUDICIAL DISTRICT COURT
IN AND FOR DUCHESNE COUNTY, STATE OF UTAH

NEWFIELD PRODUCTION COMPANY, a Texas corporation, Plaintiff, v. 33.97 ACRES OF LAND, more or less, located in the S½ and S½NW¼ of Section 30, NE¼, N½NE¼ and SE¼NE¼ of Section 31, NW¼ and N½S½ of Section 32, T3S, R3W, USM, and W½NW¼, SE¼NW¼, and S½ of Section 24 and N½, SE¼, NE¼SW¼ of Section 25 of T3S, R4W, USM, Portions of Tax Serial Nos. 00-0008-0576, 00-0008-0584, 00-0028-6983, 00-0008-0600, 00-0008-0618, 00-0028-6991, 00-0007-7796, 00-0007-7804, 00-0028-6959, 00-0007-7820, 00-0007-7838, 00-0028-6967, 00-0007-7978, 00-0007-7986, and 00-0028-6975, Duchesne County, Utah; RONALD SPECK, LYNN FORSYTHE, RORY VAN MYERS, DIANE TUMBRY and VICTORIA SCHMUHL, individuals; and JOHN DOES I through X (being any and all other parties claiming any interest in the above described tract of land and any and all	**AFFIDAVIT OF BRIAN DAVIS** Case No. 130800021 Judge Lyle R. Anderson

other parties claiming an interest by and though the ESTATES OF LORETTA SPECK, LINDA MYERS, MARGARET SINKO and FRANK J. RETZKE),

Defendants.

CONFIDENTIAL

STATE OF UTAH)
)ss.
COUNTY OF DUCHESNE)

BRIAN DAVIS, after being duly sworn under oath, deposes and states as follows:

1. I am over 18 years of age, under no disability, competent to give this testimony, and am personally familiar with the facts set forth in this Affidavit.

2. I am an independently contracted petroleum landman working with Percheron LLC ("Percheron") and have over 2 years' experience, including pipeline and road right-of-way acquisitions.

3. On or about May 10, 2012, Mr. Dave Smith, a landman working for Percheron, contacted Ronald Speck ("Mr. Speck") and Lynn Forsythe ("Ms. Forsythe"), believed to be heirs of Loretta Speck.

a. On May 6, 2012, Percheron received a signed Survey Permission Form from Ms. Forsythe.

b. On May 15, 2012, Mr. Smith received a signed Survey Permission form from Mr. Speck.

c. On June 18, 2012, Mr. Smith resigned from the project for health and family reasons. Before his departure, I reviewed the file with him.

d. Between June 25 and November 6, 2012, I made numerous attempts to contact Mr. Speck by phone, and left numerous voice messages, all of which were unreturned.

e. On July 25, 2012, I spoke to Ms. Forsythe regarding SUA contracts. Ms. Forsythe stated that she would discuss the contracts with other owners and contact Mr. Davis.

f. Between July 25 and September 12, 2012, I made numerous attempts to contact Ms. Forsythe and left numerous voice messages, but received no return calls from Ms. Forsythe.

g. On October 17, 2012, Mr. Davis spoke to Ms. Forsythe regarding SUA contracts. Ms. Forsythe stated that she would discuss the contracts with other owners and contact Mr. Davis.

h. On October 29, 2012, I received a call from Ms. Forsythe and she stated she would not sign the SUA. She stated that the consideration was too low and that the SUA was "ridiculous." Ms. Forsythe stated that the other owners living in Ohio would not sign as well.

i. On November 6, 2012 Ms. Forsythe called me and indicated that she believed that she still owned a portion of the minerals underlying the subject lands, and questioned why she had not been contacted to lease that interest. I explained that I was only dealing with the surface ownership, and not mineral ownership. Ms. Forsythe stated that she wanted to know who owns the minerals before she would consider signing a SUA.

j. On November 7, 2012, I received a call from Mr. Speck. They discussed the SUA and right of way. Mr. Speck explained that he was dealing with the recent death of his wife and did not have the time to deal with the SUA at the present. I sent the discussed documents on November 8, 2012 via Certified Mail, which were received on November 10, 2012.

k. On November 8, 2012, I sent via Certified Mail new documents to Ms. Forsythe. The package was received on November 10, 2012.

l. From November 9 to December 20, 2012, I attempted numerous times to contact Ms. Forsythe by phone and left numerous voice messages, but received no return calls from Ms. Forsythe.

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m. On December 20, 2012, Robert Jackson, another Percheron landman ("Mr. Jackson"), and I updated the contracts to be dated 2013, and called Mr. Speck and Ms. Forsythe and left a voice messages with each indicating that they should sign the 2013 documents unless they signed before December 31, 2012.

4. On May 24, 2012, Mr. Smith contacted Victoria Schmuhl ("Ms. Schmuhl") and discussed a right of way for a pipeline and requested permission to survey the proposed route. Ms. Schmuhl refused to sign the Survey Permission Form, and stated she wanted to sell her interest in the lands. Mr. Smith also spoke with Patricia Hanish ("Ms. Hanish"), who is a relative of Ms. Schmuhl, to discuss Ms. Schmuhl's refusal to sign the Survey

CONFIDENTIAL

Executed this 1st day of July, 2013.

BRIAN DAVIS

Subscribed and sworn to before me, a Notary Public, by Brian Davis on this 1st day of July, 2013.

My Commission Expires:

May 3, 2017

NOTARY PUBLIC

Residing at: 13064 Logan St, Thornton, Co 80241

THOMAS R. CORMAN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20134028724
MY COMMISSION EXPIRES MAY 3, 2017

2000.15

API Well Number: 43013521110000

NEWFIELD
ROCKY MOUNTAINS

November 5, 2012

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

RE: **Thompson 4-24-3-4WH**
Section 24, T3S, R4W
Duchesne County, Utah

Dear Brad,

Newfield Production Company proposes to drill the Thompson 4-24-3-4WH from a surface location of 191' FNL & 1080' FWL of Section 24, T3S, R4W. Newfield shall case and cement the Thompson 4-24-3-4WH wellbore from the surface location to the point where the wellbore reaches the legal setback of 660' FNL & 660' FWL of Section 24, T3S, R4W. The cased and cemented portion of the wellbore shall not be perforated nor produced. Newfield and its partner are the owners of 99.76% working interest in the northern offset drilling and spacing unit (Section 13, T3S-R4W) in which Newfield is the operator of the proposed Ute Tribal 7-13-3-4W. 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 Thompson 4-24-3-4WH shall be drilled from north to south along the 660' FWL of Section 24 legal setback to a bottom hole location 660' FWL & 660' FSL of Section 24. In the event the horizontal lateral drifts west, Newfield will attempt to acquire consent from all owners in Section 23.

Due to these circumstances, Newfield respectfully requests that DOGM administratively grant an exception location for the Thompson 4-24-3-4WH.

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

CONFIDENTIAL

1001 17th Street, Suite 2000 Denver, CO 80202 (303) 893-0102 Fax (303) 893-0103

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

4-24-3-4WH

Pad Location: NWNW Section 24, T3S, R4W, U.S.B.&M.

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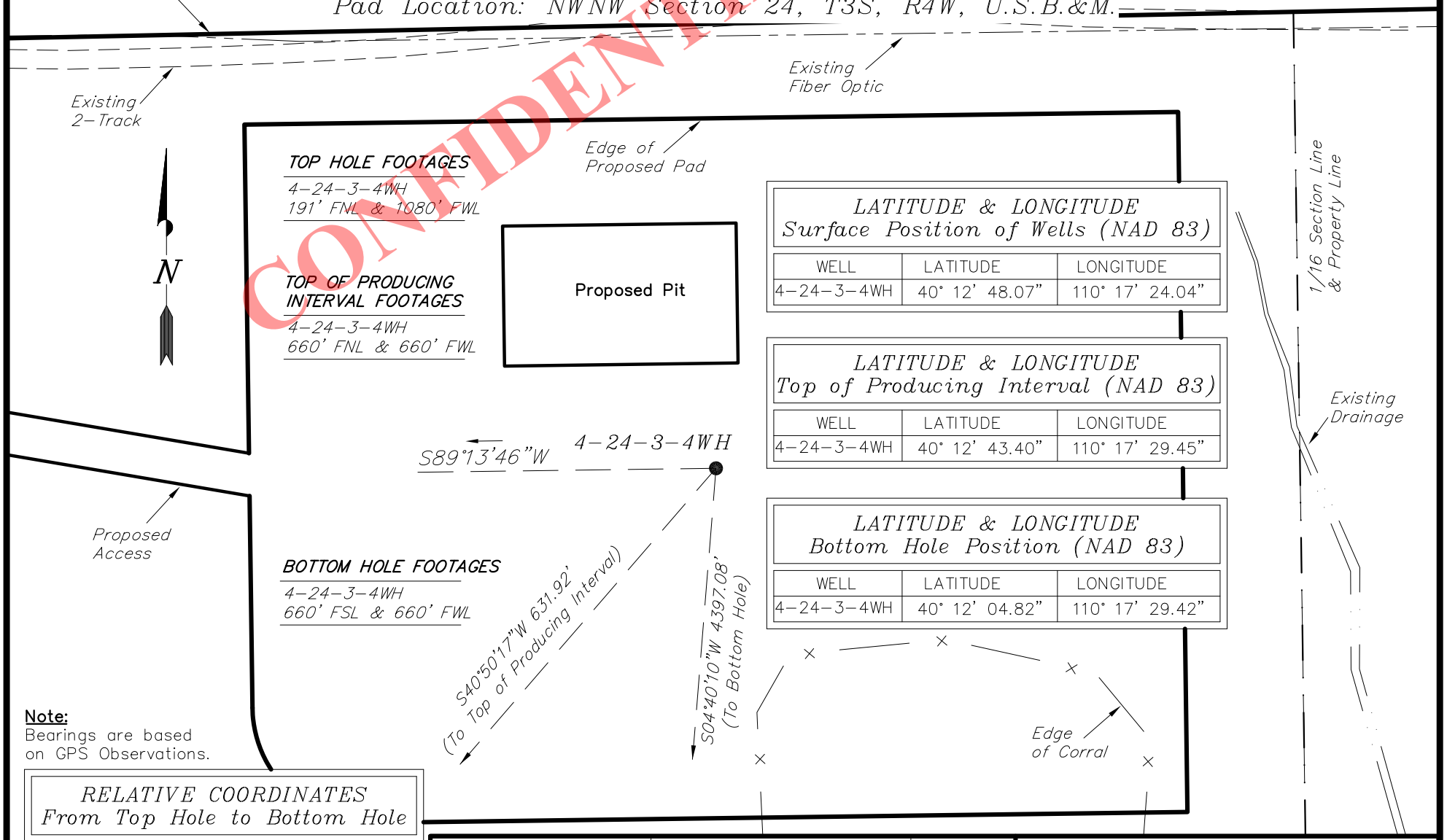


LATITUDE & LONGITUDE Surface Position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
4-24-3-4WH	40° 12' 48.07"	110° 17' 24.04"

LATITUDE & LONGITUDE Top of Producing Interval (NAD 83)		
WELL	LATITUDE	LONGITUDE
4-24-3-4WH	40° 12' 43.40"	110° 17' 29.45"

LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)		
WELL	LATITUDE	LONGITUDE
4-24-3-4WH	40° 12' 04.82"	110° 17' 29.42"

Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES From Top Hole to Bottom Hole		
WELL	NORTH	EAST
4-24-3-4WH	-4,382'	-358'

SURVEYED BY: Q.M.	DATE SURVEYED: 09-18-12	VERSION:	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: V.H.	DATE DRAWN: 09-19-12	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	
SCALE: 1" = 60'	REVISED:			

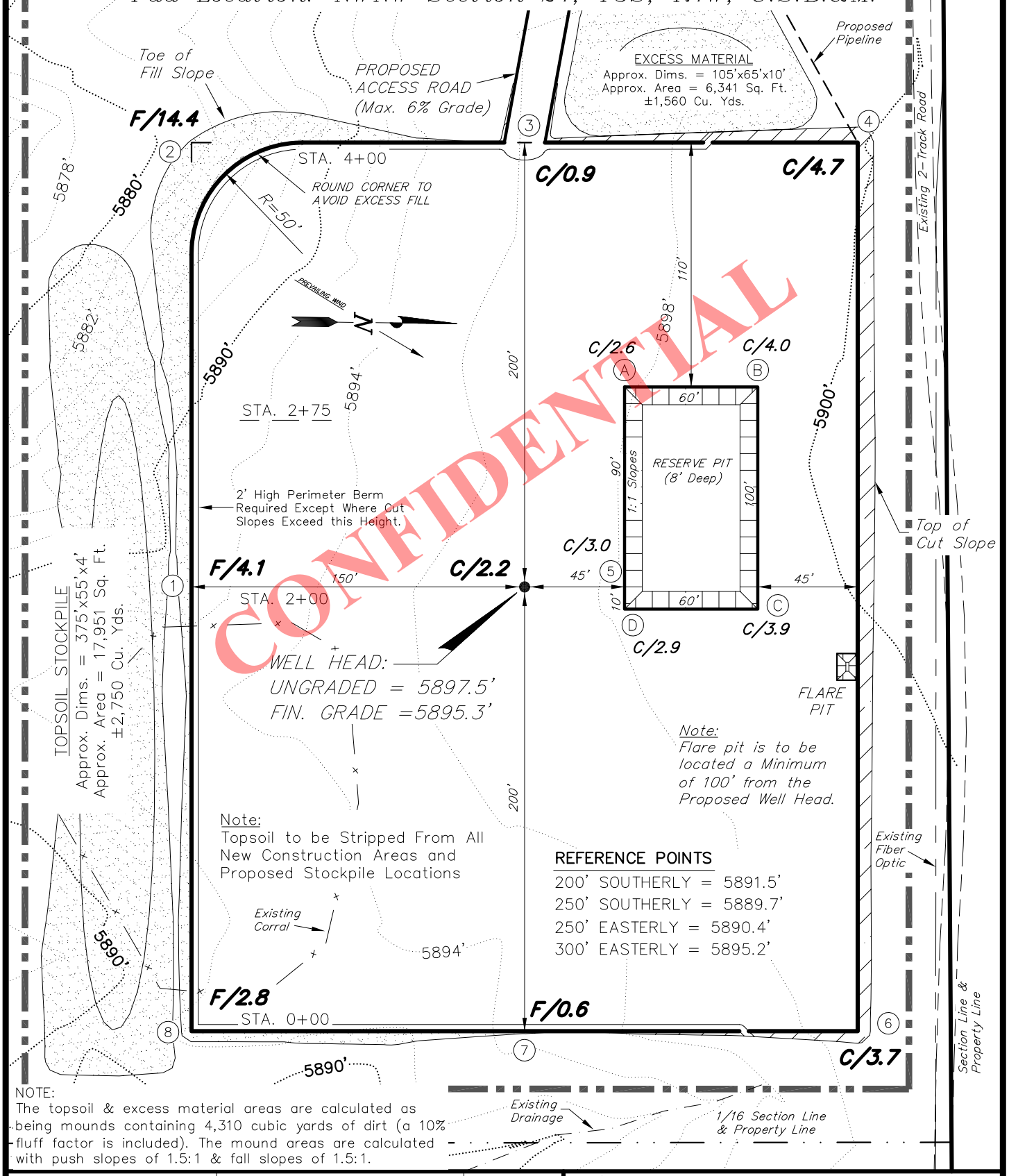
RECEIVED: March 22, 2013

NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

4-24-3-4WH

Pad Location: NWNW Section 24, T3S, R4W, U.S.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 4,310 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: 09-18-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: V.H.	DATE DRAWN: 09-19-12	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

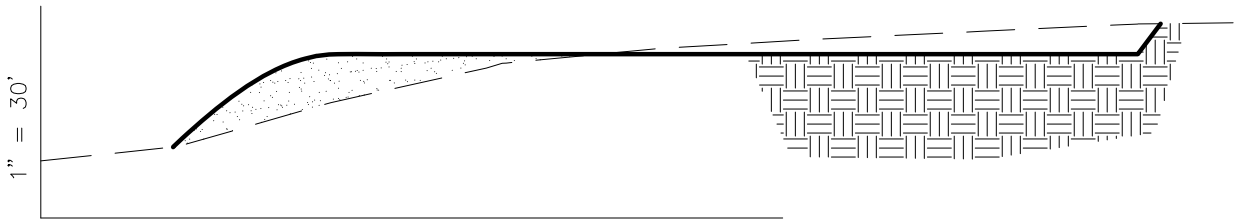
RECEIVED: March 22, 2013

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

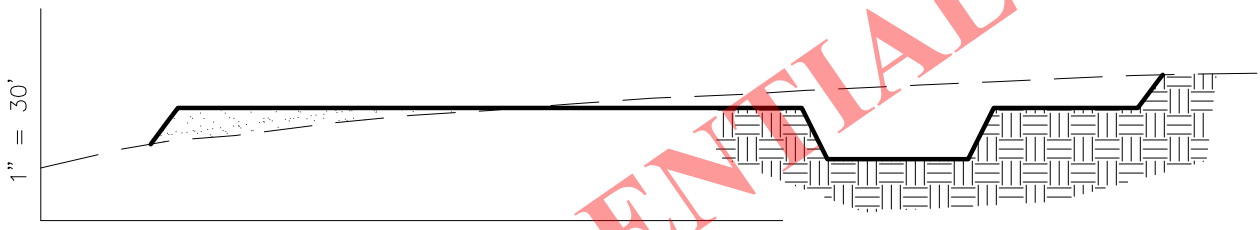
4-24-3-4WH

Pad Location: NWNW Section 24, T3S, R4W, U.S.B.&M.



1" = 60'

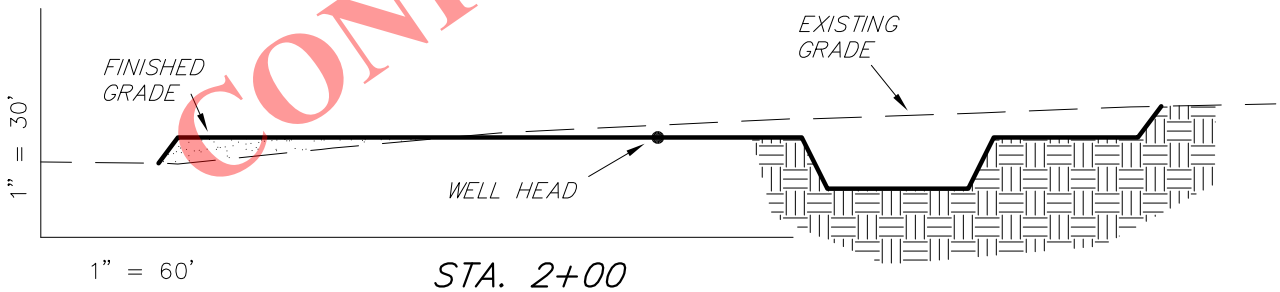
STA. 4+00



1" = 60'

STA. 2+75

CONFIDENTIAL



1" = 60'

STA. 2+00

1" = 60'

STA. 0+00

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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	5,600	5,600	Topsoil is not included in Pad Cut Volume	0
PIT	1,420	0		1,420
TOTALS	7,020	5,600	2,500	1,420

SURVEYED BY: Q.M.	DATE SURVEYED: 09-18-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: V.H.	DATE DRAWN: 09-19-12	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

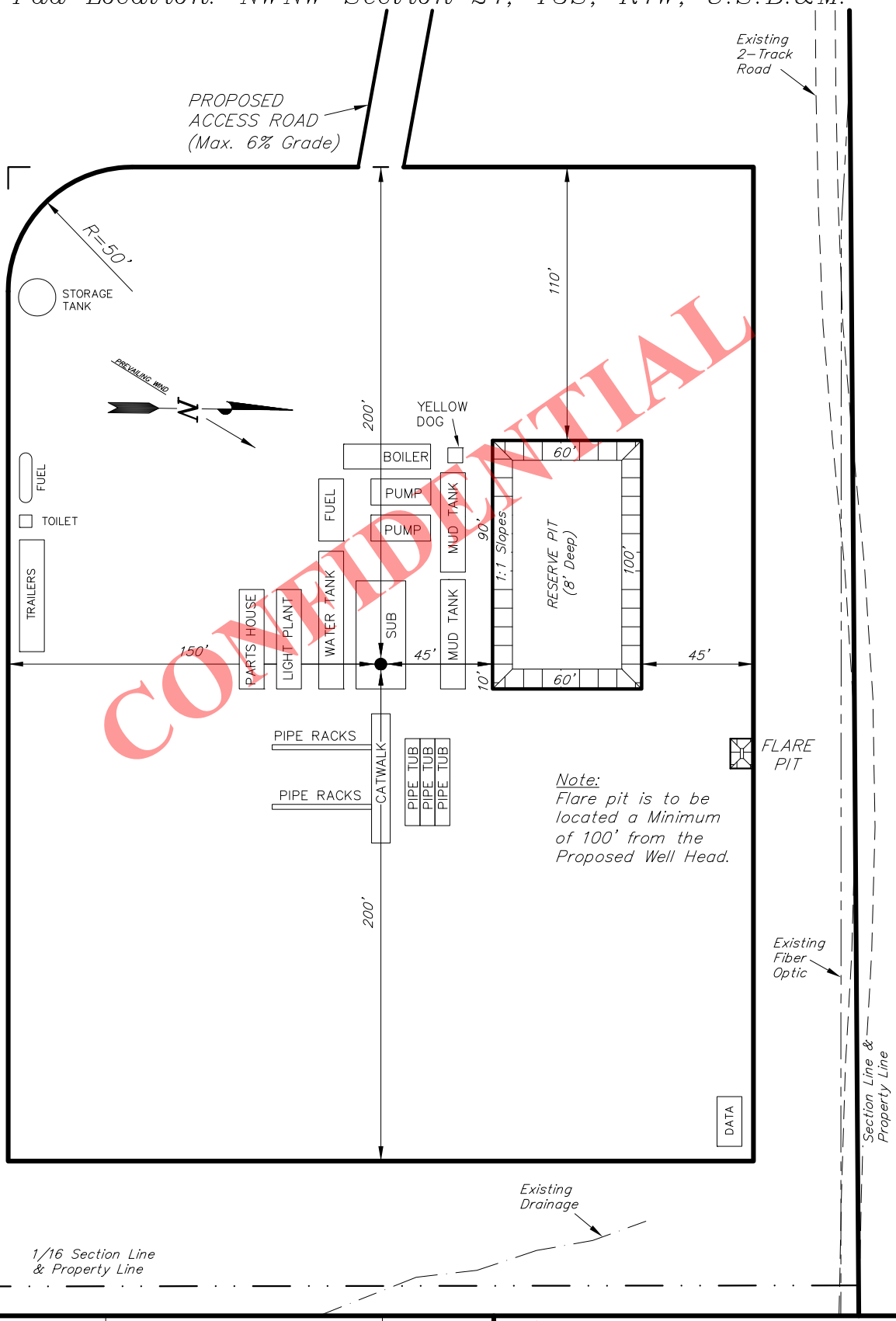
RECEIVED: March 22, 2013

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

4-24-3-4WH

Pad Location: NWNW Section 24, T3S, R4W, U.S.B.&M.



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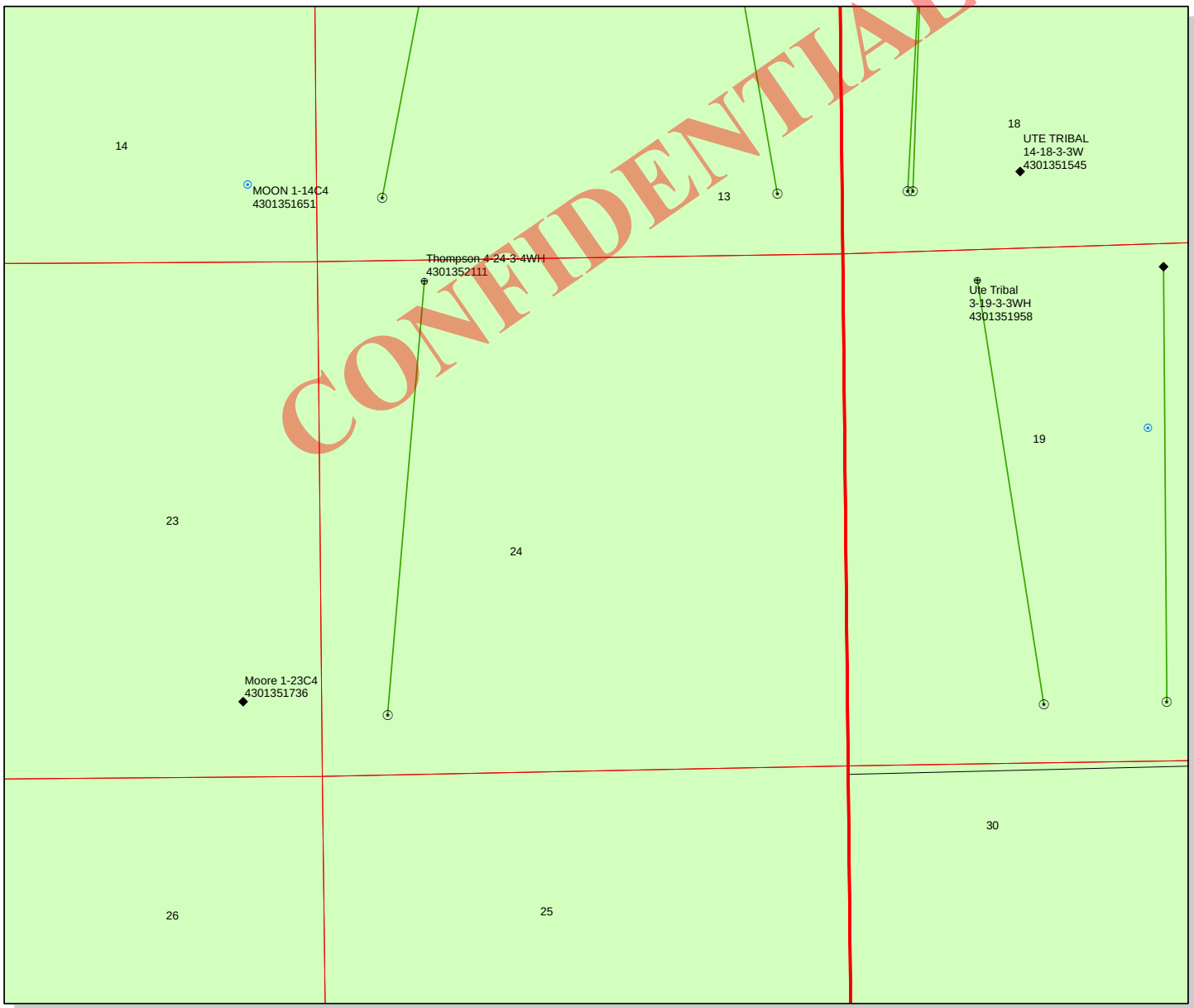
SURVEYED BY: Q.M.	DATE SURVEYED: 09-18-12	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: V.H.	DATE DRAWN: 09-19-12	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: March 22, 2013

API Well Number: 43013521110000



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API Number: 4301352111

Well Name: Thompson 4-24-3-4WH

Township T03.0S Range R04.0W Section 24

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

1,300 650 0 1,300 Feet

1:12,500

RECEIVED: March 27, 2013

API Well Number: 43013521110000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Thompson 4-24-3-4WH 43013521110000

Well Name	NEWFIELD PRODUCTION COMPANY Thompson 4-24-3-4WH 430135			
String	Cond	Surf	I1	Prod
Casing Size(")	20.000	13.375	9.625	5.500
Setting Depth (TVD)	60	1500	8763	9068
Previous Shoe Setting Depth (TVD)	0	60	1500	8763
Max Mud Weight (ppg)	8.3	8.3	10.5	14.5
BOPE Proposed (psi)	0	500	5000	5000
Casing Internal Yield (psi)	1000	2730	5750	12360
Operators Max Anticipated Pressure (psi)	6596			14.0

Calculations	**Cond String**	**20.000**	"	
Max BHP (psi)	.052*Setting Depth*MW=	26		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO	
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO	
Required Casing/BOPE Test Pressure=		60	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		0	psi	*Assumes 1psi/ft frac gradient

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

Calculations	**I1 String**	**9.625**	"	
Max BHP (psi)	.052*Setting Depth*MW=	4785		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3733	YES	5M BOPE, dbl ram preventers, annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2857	YES	preventer, 5M choke manifold
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3187	NO	OK
Required Casing/BOPE Test Pressure=		4025	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		1500	psi	*Assumes 1psi/ft frac gradient

Calculations	**Prod String**	**5.500**	"	
Max BHP (psi)	.052*Setting Depth*MW=	6837		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	5749	NO	5M BOPE, dbl ram preventers, annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4842	YES	preventer, 5M choke manifold
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	6770	YES	OK
Required Casing/BOPE Test Pressure=		5000	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		5750	psi	*Assumes 1psi/ft frac gradient

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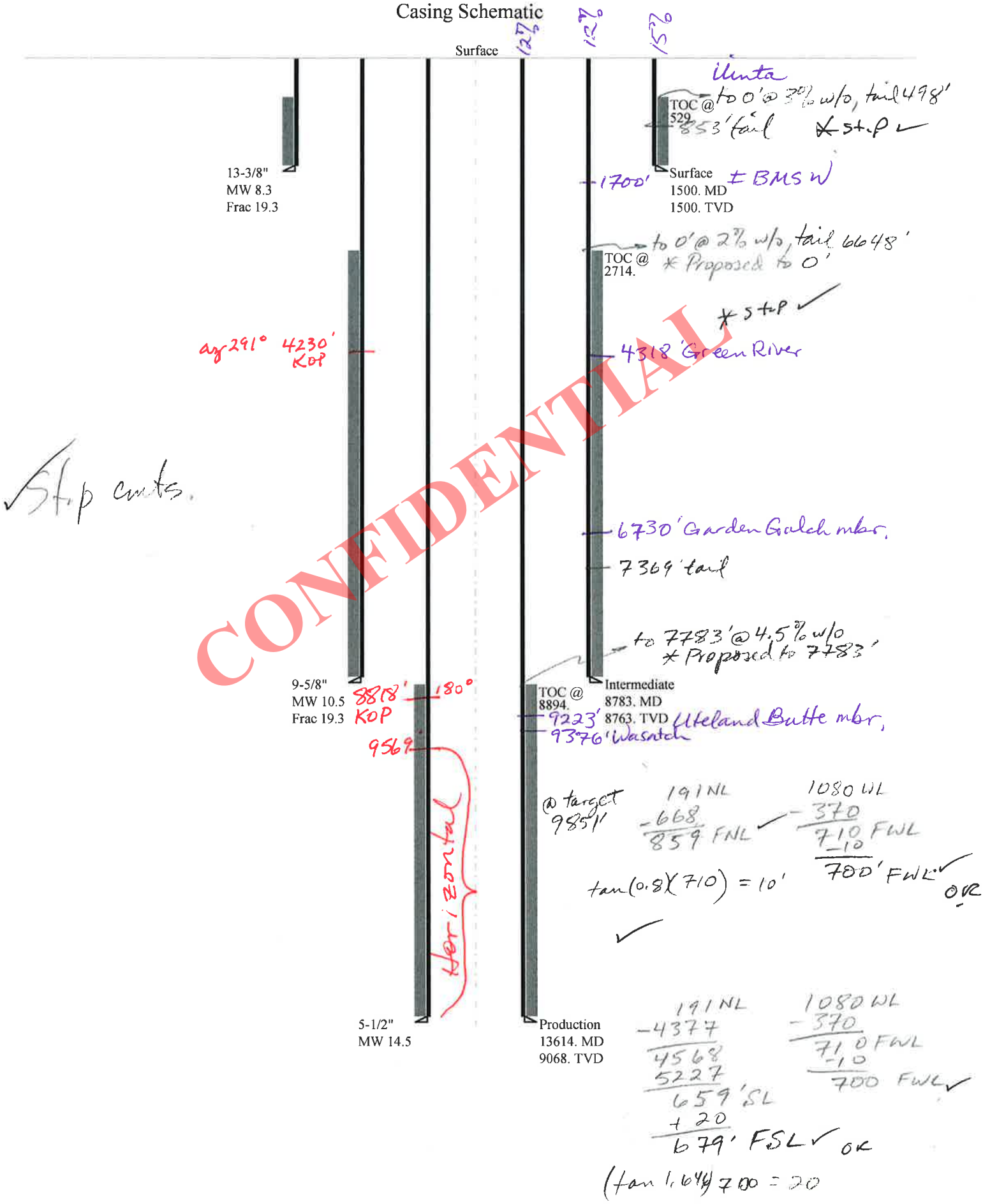
RECEIVED: July 03, 2013

API Well Number: 43013521110000

43013521110000 Thompson 4-24-3-4WHrev2

Casing Schematic



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API Well Number: 43013521110000

Well name:	**43013521110000 Thompson 4-24-3-4WHrev2**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-52111
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,320 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 1,500 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.70 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 1,315 ft

Environment:

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 95 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft

Cement top: 529 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,763 ft

Next mud weight: 10.500 ppg

Next setting BHP: 4,780 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 1,500 ft

Injection pressure: 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	1500	13.375	54.50	J-55	ST&C	1500	1500	12.49	18611

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	649	1130	1.741	1500	2730	1.82	81.7	514	6.29 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: June 28,2013
Salt Lake City, Utah

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

Burst strength is not adjusted for tension.

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

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API Well Number: 43013521110000

Well name:	**43013521110000 Thompson 4-24-3-4WHrev2**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Intermediate
Project ID:	43-013-52111
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight:	10.500 ppg
Internal fluid density:	4.470 ppg

Burst

Max anticipated surface pressure:	4,836 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	6,763 psi
Annular backup:	2.33 ppg

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

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

Tension is based on air weight.
Neutral point: 7,410 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	197 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	2,714 ft

Directional Info - Build & Hold

Kick-off point	8825 ft
Departure at shoe:	396 ft
Maximum dogleg:	1.5 °/100ft
Inclination at shoe:	0 °

Re subsequent strings:

Next setting depth:	9,068 ft
Next mud weight:	14.500 ppg
Next setting BHP:	6,831 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	8,763 ft
Injection pressure:	8,763 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	8783	9.625	40.00	N-80	Buttress	8763	8783	8.75	119588

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2745	3090	1.126	5703	5750	1.01	350.5	916.3	2.61 B

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Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: June 28,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8763 ft, a mud weight of 10.5 ppg An internal gradient of .232 psi/ft was used for collapse from TD
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

API Well Number: 43013521110000

Well name:	**43013521110000 Thompson 4-24-3-4WHrev2**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-52111
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 14.500 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 4,836 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 6,831 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 7,092 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	201 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	8,894 ft

Directional Info - Build & Hold

Kick-off point	8825 ft
Departure at shoe:	4392 ft
Maximum dogleg:	12 °/100ft
Inclination at shoe:	93.11 °

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Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	13614	5.5	20.00	P-110	Buttress	9068	13614	4.653	112944

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	6831	11100	1.625	6876	12360	1.80	181.4	641.1	3.53 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: June 28,2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9068 ft, a mud weight of 14.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

ORDER PREPARED BY:
Kurt P. Gasser, Esq. (U.S.B. #14177)
Frederick M. MacDonald, Esq. (U.S.B. #4876)
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Attorneys for Plaintiff Newfield Production Company

FILED
DISTRICT COURT
DUCHESNE COUNTY, UTAH

AUG 0 8 2013

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IN THE EIGHTH JUDICIAL DISTRICT COURT
IN AND FOR DUCHESNE COUNTY, STATE OF UTAH

NEWFIELD PRODUCTION COMPANY, a Texas corporation, Plaintiff, v. 33.97 ACRES OF LAND, more or less, located in the S½ and S½NW¼ of Section 30, NE¼, N½NE¼ and SE¼NE¼ of Section 31, NW¼ and N½S½ of Section 32, T3S, R3W, USM, and W½NW¼, SE¼NW¼, and S½ of Section 24 and N½, SE¼, NE¼SW¼ of Section 25 of T3S, R4W, USM, Portions of Tax Serial Nos. 00-0008-0576, 00-0008-0584, 00-0028-6983, 00-0008-0600, 00-0008-0618, 00-0028-6991, 00-0007-7796, 00-0007-7804, 00-0028-6959, 00-0007-7820, 00-0007-7838, 00-0028-6967, 00-0007-7978, 00-0007-7986, and 00-0028-6975, Duchesne County, Utah; RONALD SPECK, LYNN FORSYTHE, RORY VAN MYERS, DIANE TUMBRY and VICTORIA SCHMUHL, individuals; and JOHN DOES I through X (being any and all other parties claiming any interest in	**INJUNCTION** Case No. 130800021CD Judge Lyle R. Anderson

the above described tract of land and any and all other parties claiming an interest by and though the ESTATES OF LORETTA SPECK, LINDA MYERS, MARGARET SINKO and FRANK J. RETZKE),

Defendants.

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Plaintiff Newfield Production Company's ("Newfield's") Application for a Preliminary and Permanent Injunction and Declaratory Relief came on for a hearing in the captioned matter on Thursday, August 8, 2013, at 1:00 p.m. in which the court accepted proffers of evidence from the pleadings and affidavits and allowed the parties to present additional testimony and evidence. Kurt P. Gasser, Esq., of MacDonald & Miller Mineral Legal Services, PLLC, appeared on behalf of Newfield, and Defendants Ronald Speck, Lynn Forsythe, Rory Van Myers, Diane Tumbry, Victoria Schmuhl, and John Does I through X (being any and all other parties claiming any interest in the above described tract of land and any and all other parties claiming an interest by and though the Estates of Loretta Speck, Linda Myers, Margaret Sinko and Frank J. Retzke), (hereinafter "Defendants") appeared *pro se* / were represented by_____

_____

_____/ did not appear.

Having considered the pleadings, and the arguments and testimony provided at hearing, the court hereby finds and rules as follows:

FINDINGS OF FACT AND CONCLUSIONS OF LAW

1. Newfield is the lessee of the severed oil and gas estate under various oil and gas leases covering subject Section 24, Township 3 South, Range 4 West. As lessee of the dominant mineral estate owners, Newfield has the right of access to and upon the Defendants' severed surface estate, which is more particularly described as follows:

> 30′ wide right-of-way located in subject Section 24, the width of the right-of-way being 15′ on either side of the following centerline:
>
> > BEGINNING AT A POINT ON THE NORTH LINE OF THE NW¼ OF SECTION 24, T3S, R4W, U.S.B.&M. WHICH BEARS N88°49′20″E 694.10′ FROM THE NORTHWEST CORNER OF SAID SECTION 24, THENCE S65°31′00″E 122.81′ TO A POINT IN THE NW¼NW¼ OF SAID SECTION 24 WHICH BEARS S87°23′49″E 806.55′ FROM THE SAID NORTHWEST CORNER OF SECTION 24. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IN THE NORTH LINE OF THE NW¼ OF SAID SECTION 24 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR S88°49′20″W A MEASURED DISTANCE OF 2660.49′. CONTAINS 0.284 ACRES MORE OR LESS,

which is to be used for an access road, as well as a portion of the NW¼NW¼ of subject Section 24, described as follows:

> BEGINNING AT A POINT IN THE NW¼NW¼ OF SECTION 24, T3S, R4W, U.S.B.&M. WHICH BEARS N89°39°31″E 1306.19′ FROM THE NORTHWEST CORNER OF SAID SECTION 24, THENCE S00°46′54″E 399.00′; THENCE S89°13′40″W 501.00′; THENCE N00°46′54″W 399.00; THENCE N89°13′40″E 501.00′ TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS THE NORTH LINE OF THE NW ¼ OF SAID SECTION 24 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR

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S88°49'20"W A MEASURED DISTANCE OF 2660.49'. CONTAINS 4.589 ACRES MORE OR LESS,

which is to be used for the proposed drillsite (collectively, the "Subject Property"). This exercise of Newfield's dominant rights to the lands is reasonably necessary, and is consistent in allowing the Defendants the greatest possible use of their lands consistent therewith. *Flying Diamond Corp. v. Rust*, 551 P.2d 509, 511 (Utah 1976).

2. Defendants have unlawfully interfered with Newfield's rights of access to and across their land and to conduct oil and gas operations pursuant to valid oil and gas leases.

3. Newfield has satisfied the elements required for issuance of preliminary injunction under Utah Rule of Civil Procedure 65A(e), as follows:

a) Newfield will suffer irreparable harm if drilling operations have not begun before the respective expiration dates of six oil and gas leases, due to expire in October 2013. Those oil and gas leases (the "Subject Leases") are more specifically identified as follows:

i) Oil and Gas Lease dated October 1, 2008 and recorded on October 27, 2008 in Book M327, Page 67, Duchesne County Realty Records, from George Swasey for a primary term of five (5) years, and therefore due to expire on October 1, 2013;

ii) Oil and Gas Lease dated October 6, 2008 and recorded on October 27, 2008 in Book M327, Page 56, Duchesne County Realty Records, from Maxine Jensen for a primary term of five (5) years, and therefore due to expire on October 6, 2013;

iii) Oil and Gas Lease dated October 6, 2008 and recorded on October 27, 2008 in Book M327, Page 81, Duchesne County Realty Records, from John Albert Swasey for a primary term of five (5) years, and therefore due to expire on October 6, 2013;

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iv) Oil and Gas Lease dated October 6, 2008 and recorded on October 27, 2008 in Book M327, Page 49, Duchesne County Realty Records, from Donna Thompson and Stephen W. Thompson for a primary term of five (5) years, and therefore due to expire on October 6, 2013;

v) Oil and Gas Lease dated October 6, 2008 and recorded on October 27, 2008 in Book M327, Page 89, Duchesne County Realty Records, from Amanda S. Prows and Arvin Ronald Prows for a primary term of five (5) years, and therefore due to expire on October 6, 2013; and

vi) Oil and Gas Lease dated October 15, 2008 and recorded on October 27, 2008 in Book M327, Page 104, Duchesne County Realty Records, from Ardell Gillespie for a primary term of five (5) years, and therefore due to expire on October 15, 2013.

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b) The irreparable harm that Newfield would suffer because of the Defendants' refusal of access to the Subject Property outweighs the damages to Subject Property that may be caused by Newfield's operations thereon.

c) Because Newfield's rights to access to the Subject Property are dominant over the Defendants' rights, and because Newfield's operations on the Subject Property are reasonably necessary for its enjoyment of those rights, an injunction to enforce those rights is not adverse to the public interest.

d) Based on the rights recognized by the cited *Rust* case, and as lessee of the dominant mineral estate, there is a substantial likelihood that Newfield will prevail on the merits at trial.

4. Due to the lead times required to complete the preparations for drilling, such as construction of the access road and drillsite, and to ensure that drilling begins before the

expiration dates of the Subject Leases, Newfield's must have immediate access to the Subject Property.

5. The measurement for damages caused by the exercise of such rights under the Subject Leases is defined by the specific terms of the leases, and is not based on "highest and best" use. The Subject Leases define the value for damages owed by Newfield as "reasonable amounts for damages caused by its operations to growing crops on said Lands." *Smith v. Linmar Energy Corp.*, 790 P.2d 122, 1225 (Utah App.1990).

6. The damages to growing crops that may be caused by Newfield's operations, including the proposed drillsite and road on the Subject Property, as provided in the Subject Leases, were appraised by J. Philip Cook and Associates, LLC and valued One Thousand Five Hundred Dollars ($1,500.00), with such valuation uncontroverted by Defendants at hearing.

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ORDER

IT IS THEREFORE ORDERED, ADJUDICATED AND DECREED THAT Newfield is granted immediate access to and across the Subject Property to conduct oil and gas exploration operations, and Defendants are enjoined from interfering or otherwise prohibiting such access, which access shall include construction of the proposed access road and drillsite in connection with such oil and gas exploration, subject to:

a) Newfield posting with the Clerk of the Court a bond in the amount of $1,500.00 to cover damages to Defendants property; and

b) Newfield's obligation to pay any additional damages to Defendants to the extent required by under the terms of the leases covering the Subject Property and under the cited *Smith*

case, such damages, if any, to be alleged and proven by Defendants and determined at a later date.

ENTERED this 8th day of August, 2013.

BY THE COURT:

Lyle R. Anderson, District Judge

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STATE OF UTAH }s
County of Duchesne }

I, Dawn Hautamaki, Clerk of the 8th District Court, do hereby certify that the above and foregoing is a full, true and correct copy of the original document which is on file in my office.

In witness whereof I hereunto set my hand and seal of said Court above mentioned this 8th day of August A.D. 2013

DAWN HAUTAMAKI

By Brigitte Raymond Deputy

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY				
Well Name	Thompson 4-24-3-4WH				
API Number	43013521110000	**APD No**	7825	**Field/Unit**	LELAND BENCH
Location: 1/4,1/4	NWNW **Sec** 24 **Tw** 3.0S **Rng** 4.0W 191 FNL 1080 FWL				
GPS Coord (UTM)	560415 4451679	**Surface Owner**	Sandy Murphy, Trustee of the Retzkey Trust		

Participants

Corie Miller -Newfield; Jim Burns - Star Point

Regional/Local Setting & Topography

Location is located on the eastern edge of the Blue Bench overlooking an acient river bottom floodplain known as Arcadia area. The Bridgeland trellis bridge is found 6 miles Southwest. The area is characterized by red sandy clayey soils with some gravels. It is sparsely vegetated by sage and sparse Pinyon and Juniper. Located on top of a bench, the location is rather flat with slopes less than 2%. The East side of the pad is adjacent a hydrologic feature that drains Southeasterly to the wetlands below known as Granita Park. The region is fallow wild lands. Not much development, farming or housing occurs nearby but, the pipeline and increasing petroleum extraction dominates the landscape.

The surface ownership of this location has been fractured due to Probate and 24 different peoples and entities own a fraction of the combined surface. The largest majority owner, Retzke trust and 2 other larger percentage owners were contacted and invited to the onsite. Two of these three surface owners protest my entrance on the land and consider the onsite trespassing.

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Surface Use Plan

Current Surface Use

Wildlfe Habitat

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

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

RECEIVED: August 12, 2013

High desert shrubland ecosystem. Expected vegetation consists of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.
Dominant vegetation;
Big Sage
Wildlife;
Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed.

Soil Type and Characteristics

red snady clays with sparse gravels

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

drainage touches edge of pad making a well constructed and maintained berm critical

Berm Required? Y

Erosion Sedimentation Control Required? N

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

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Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)		20
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Oil Base Mud Fluid	15
Drill Cuttings	Salt or Detrimental	10
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Present	15
	Final Score	85 1 Sensitivity Level

Characteristics / Requirements

Operator plans to use and oil based mud and closed loop system despite that indicated on the plans submitted.

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

RECEIVED: August 12, 2013

Other Observations / Comments

This location is the one with 24 surface owners.
I was able to contact most of the major precentage owners including the largest percentage owner - Retzke trust

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

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RECEIVED: August 12, 2013

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7825	43013521110000	LOCKED	OW	P	No

Operator	NEWFIELD PRODUCTION COMPANY	**Surface Owner-APD**	Sandy Murphy, Trustee of the Retzkey Trust
Well Name	Thompson 4-24-3-4WH	**Unit**	
Field	LELAND BENCH	**Type of Work**	DRILL
Location	NWNW 24 3S 4W U 191 FNL 1080 FWL GPS Coord (UTM) 560416E 4451671N		

Geologic Statement of Basis

Newfield proposes to set 60 feet of conductor and 2,500 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 1,700 feet. A search of Division of Water Rights records indicates that there are 3 water wells within a 10,000 foot radius of the center of Section 24. These wells probably produce water from the Uinta Formation. The Uinta formation is made up of discontinuous sandstones and interbedded shales. Depths of the wells range from 150-650 feet. The wells are listed as being used for irrigation, stock watering and domestic. The nearest well is approximately .75 miles northwest of the proposed location. The proposed drilling, casing and cement program should adequately protect ground water in this area.

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Brad Hill — **APD Evaluator**

5/16/2013 — **Date / Time**

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window. Access road enters the pad from the East. The landowner (s) and its representatives were not in attendance for the pre-site inspection.
The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.
Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Operator has not submitted plans for the protection of slopes.
I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A hydrologic feature can be found adjacent the site to the East. The location was not previously surveyed for cultural and paleontological resources as the operator saw fit. I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.
The location should be bermed to prevent fluids from entering or leaving the confines of the pad paying particular attention to corners 6 and 7. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

Chris Jensen — **Onsite Evaluator**

5/8/2013 — **Date / Time**

RECEIVED: August 12, 2013

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

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RECEIVED: August 12, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/22/2013 **API NO. ASSIGNED:** 43013521110000
WELL NAME: Thompson 4-24-3-4WH
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 719-2018
CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 24 030S 040W **Permit Tech Review:** ✔

SURFACE: 0191 FNL 1080 FWL **Engineering Review:** ✔

BOTTOM: 0660 FSL 0660 FWL **Geology Review:** ✔

COUNTY: DUCHESNE
LATITUDE: 40.21327 **LONGITUDE:** -110.29001
UTM SURF EASTINGS: 560416.00 **NORTHINGS:** 4451671.00
FIELD NAME: LELAND BENCH
LEASE TYPE: 4 - Fee
LEASE NUMBER: Fee **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER
SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

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RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** STATE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

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

Board Cause No: Cause 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
2 - Surface Agreement Exception - bhill
5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - ddoucet
27 - Other - bhill

RECEIVED: August 12, 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: Thompson 4-24-3-4WH
API Well Number: 43013521110000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 8/15/2013

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 GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

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

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

In accordance with Rule R649-3-34(9), the Division of Oil, Gas and Mining shall establish minimum wellsite restoration requirements for this well. Prior to plugging and abandonment of this well, the operator shall notify the Division and allow the Division to establish such minimum wellsite restoration requirements in advance of the operator commencing plugging and abandonment operations.

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

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

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back

to the surface.

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 7783' MD as indicated in the submitted drilling plan.

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.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

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

- Within 24 hours following the spudding of the well - contact Carol Daniels OR submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

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

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation

- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Thompson 4-24-3-4WH

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013521110000

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

PHONE NUMBER:
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
LELAND BENCH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0191 FNL 1080 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 24 Township: 03.0S Range: 04.0W 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:
  8/26/2013
- ☐ 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 08/26/2013 and drilled to 60' GL. Set 20", 52.78# (0.250" wall), SA53B conductor pipe at 60' GL and cemented to surface with Redi Mix. On 8/28/2013 spud 17.5" hole drill from 60' to 1635' set 37 jts 13 3/8" casing at 1615' KB On 8/31/2013 Cement Job: Pumped 20 bbls fresh water & 20 bbls gelled water flush ahead of cement.Lead: Mixed and pumped 610 sacks (267 bbls) of Varicem Cement with 0.125 #/sk Poly-E-Flake. Mixed cement @ 12.0 ppg with yield of 2.46 cf/sk. Tail: Mixed and pumped 700 sacks (145 bbls) of Premium Class G Cement with 2% CaCl2. Mixed cement @ 15.8 ppg with yield of 1.17 cf/sk.Displaced cement with 243 bbls fresh water. Bumped plug with 800# @ 20:30 PM on 08/31/2013. Floats did not hold, pressured back up to 680# and shut in cement head. No cement to surface.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 10, 2013

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

SIGNATURE	DATE
N/A	9/10/2013

RECEIVED: Sep. 10, 2013

NEWFIELD

Casing

Conductor

Legal Well Name	Wellbore Name
Thompson 4-24-3-4WH	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
	191FNL 1080FWL Sec24 T3S R4W	UINTA CB-WASATCH HORZ	Development	Horizontal
Well RC	**County**	**State/Province**	**Spud Date**	**Final Rig Release Date**

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	26	0	60	8/26/2013	8/26/2013

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Conductor	60	8/26/2013	

Centralizers	Scratchers

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Conductor Pipe	20	19.500			Welded	2	60.00	0.0	60.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

NEWFIELD

Casing

Surface

Legal Well Name	Wellbore Name
Thompson 4-24-3-4WH	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
	191FNL 1080FWL Sec24 T3S R4W	UINTA CB-WASATCH HORZ	Development	Horizontal
Well RC	**County**	**State/Province**	**Spud Date**	**Final Rig Release Date**

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	26	0	60	8/26/2013	8/26/2013
Vertical	17 1/2	60	1,635	8/28/2013	8/30/2013

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Surface	1,615	8/31/2013	

Centralizers	Scratchers
14 centralizers spaced 10' from the shoe, on top of joints #2 & #3 then every 3rd collar to surface.	

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Casing Joints	13 3/8	12.615	54.50	J-55	Buttress Thread	36	1,568.63	0.0	1,568.7			
Float Collar					Buttress Thread	1	1.50	1,568.7	1,570.2			
Casing Joints	13 3/8	12.615	54.50	J-55	Buttress Thread	1	43.85	1,570.2	1,614.0			
Guide Shoe					Buttress Thread	1	1.00	1,614.0	1,615.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

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 Thompson 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 4W
Lease Serial Number FEE
API Number 43-013-52111

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

Date/Time 08/26/2013 09:00 AM ☒ PM ☐

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

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

Date/Time _____ _____ AM ☐ PM ☐

BOPE

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

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

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 Thompson 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 4W
Lease Serial Number FEE
API Number 43-013-52111

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

Date/Time 08/26/2013 09:00 AM ☒ PM ☐

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

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

Date/Time _____ _____ AM ☐ PM ☐

BOPE

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

Date/Time _____ _____ AM ☐ PM ☐

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AUG 2 4 2013
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Remarks _____

CONFIDENTIAL

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 THOMPSON 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 4W
Lease Serial Number FEE
API Number 43-013-52111

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 08/31/2013 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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AUG 30 2013
DIV. OF OIL, GAS & MINING

Remarks _____

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 Thompson 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 4W
Lease Serial Number FEE
API Number 43013521110000

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 _____

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SEP 2 5 2013
DIV. OF OIL, GAS & MINING

We will Start moving Pioneer Rig # 44 from the Patterson 4-9-3-3WH to the Thompson 4-24-3-4WH on 9/25/2013. @ 09:00

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 Thompson 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township ~~7~~3S Range 4W
Lease Serial Number FEE
API Number 43013521110000

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 9/30/2013 22:00 AM ☐ PM ☐

Remarks _____

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OCT 03 2013
DIV. OF OIL, GAS & MINING

Test Bops on the Thompson 4-24-3-4WH on 9/30/13 @ 22:00.

EAGER BEAVER TESTERS INC.

P.O. BOX 1616
ROCK SPRINGS, WY 82902

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

43 013 52111

BOP TEST REPORT

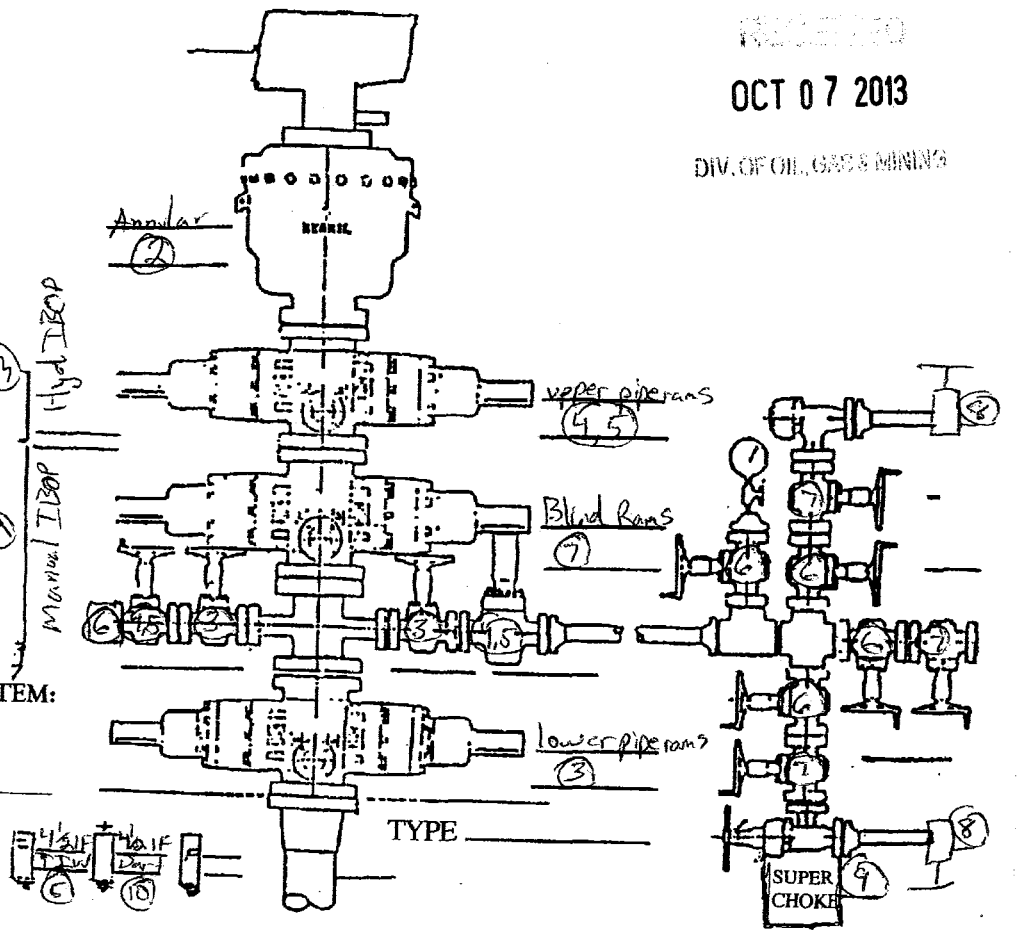
DATE: 10-1-13 OPERATOR: New field RIG OR SITE#: Pioneer 44 SEC: 24 TNSHIP: 3S RANGE: 4W

FIELD: _____ WELL#: Thompson 4-24-3-4WH TEST PRESSURE: 250/5000 psi

EQUIPMENT PRESSURE TESTED:

ANNULAR 50%	2
UPPER PIPE RAMS	4,5
LOWER PIPE RAMS	3
BLIND RAMS	7
KILL LINE VALVES	3,4,5
HCR VALVE	5
CHOKE VALVES	3
MANIFOLD VALVES	6,7,8
SUPER CHOKE	9
MANUAL CHOKE	N/A
UPPER KELLY VALVE	3
LOWER KELLY VALVE	4, RT
INSIDE BOP	5
FLOOR VALVE	10
CASING PRE. 1500psi	11

RECEIVED
OCT 07 2013
DIV. OF OIL, GAS & MINING



ACCUMULATOR AND CLOSING SYSTEM:

NITROGEN PRECHARGE PSI 1050
FIELD CHECK ✓ GUAGE CHECK ____
BOTTLES ✓ SPHERES ____

FUNCTION CHECK 53 sec
PUMP CHECK 1650psi
REMOTE OPERATION CHECK ✓
HYDRAULIC FLUID LEVEL ✓

OTHER TESTS:

EQUIPMENT TYPE ____ PRESSURE ____

REPAIRS OR POTENTIAL PROBLEMS:

Manual IBOP Failed, Final Test was a Manual IBOP Retest (passed)

EAGER BEAVER TESTERS

DATE: 10-1-13 COMPANY: Newfield RIG: pioneer 44 WELL NAME & #: Thompson 4-24-3-4-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 1550 PSI

OCT 07 2013
DIV. OF OIL, GAS & MINING

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 53 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 1050 PSI

If pressure drops below the minimum precharge, (accumulator working pressure {1500 psi=700 min}{2000 and 3000 psi= 900 psi min.}) each bottle shall be independently checked with a gauge.

DATE: 10-1-15 COMPANY: Newfield RIG: pioneer 44 WELL NAME & #: Thompson 4-24-3-4WH

Time		Test No.		Result:
2:57	AM ☐PM☑	1	Mudline	Pass ☑Fail ☐
3:24	AM ☐PM☑	2	Annular	Pass ☑Fail ☐
3:47	AM ☐PM☑	3	lower pipe rams, Hyd IBOP, inside kill & choke	Pass ☑Fail ☐
4:38	AM ☐PM☑	4	upper pipe rams, man IBOP, HCR, outside kill valve	Pass ☐Fail ☑
4:48	AM ☐PM☑	5	upper pipe rams, TIW, HCR, outside kill valve	Pass ☑Fail ☐
5:28	AM ☐PM☑	6	Check valve, inside manifold valves, riser	Pass ☑Fail ☐
6:12	AM ☐PM☑	7	Blind rams, outside manifold valves	Pass ☑Fail ☐
6:43	AM ☐PM☑	8	Downstream manifold valves	Pass ☑Fail ☐
7:06	AM ☐PM☑	9	Superchoke	Pass ☑Fail ☐
7:14	AM ☐PM☑	10	Dart valve	Pass ☑Fail ☐
8:11	AM ☐PM☑	11	Casing	Pass ☐Fail ☐
	AM ☐PM☐	12		Pass ☐Fail ☐
	AM ☐PM☐	13		Pass ☐Fail ☐
	AM ☐PM☐	14		Pass ☐Fail ☐
9:43	AM ☐PM☐	Retest	Manual IBOP	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.

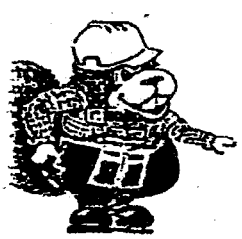
Rock Springs, WY (307) 382-3350

BOP TESTING, CASING TESTING, LEAK OFF TESTING, & INTEGRITY TESTING

NIPPLE UP CREWS, NITROGEN CHARGING SERVICE

Prompt & Efficient

24 Hr. Service



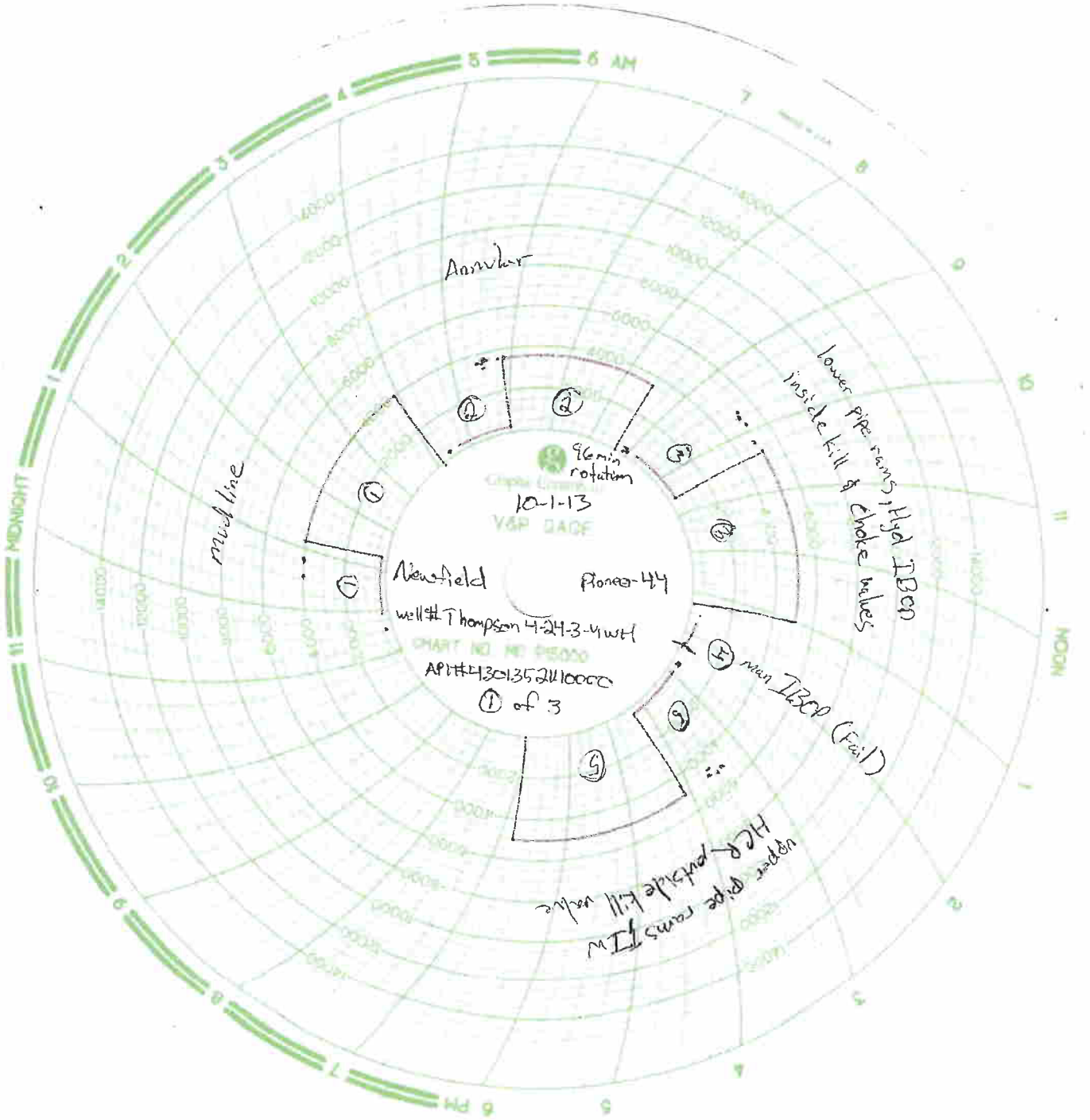
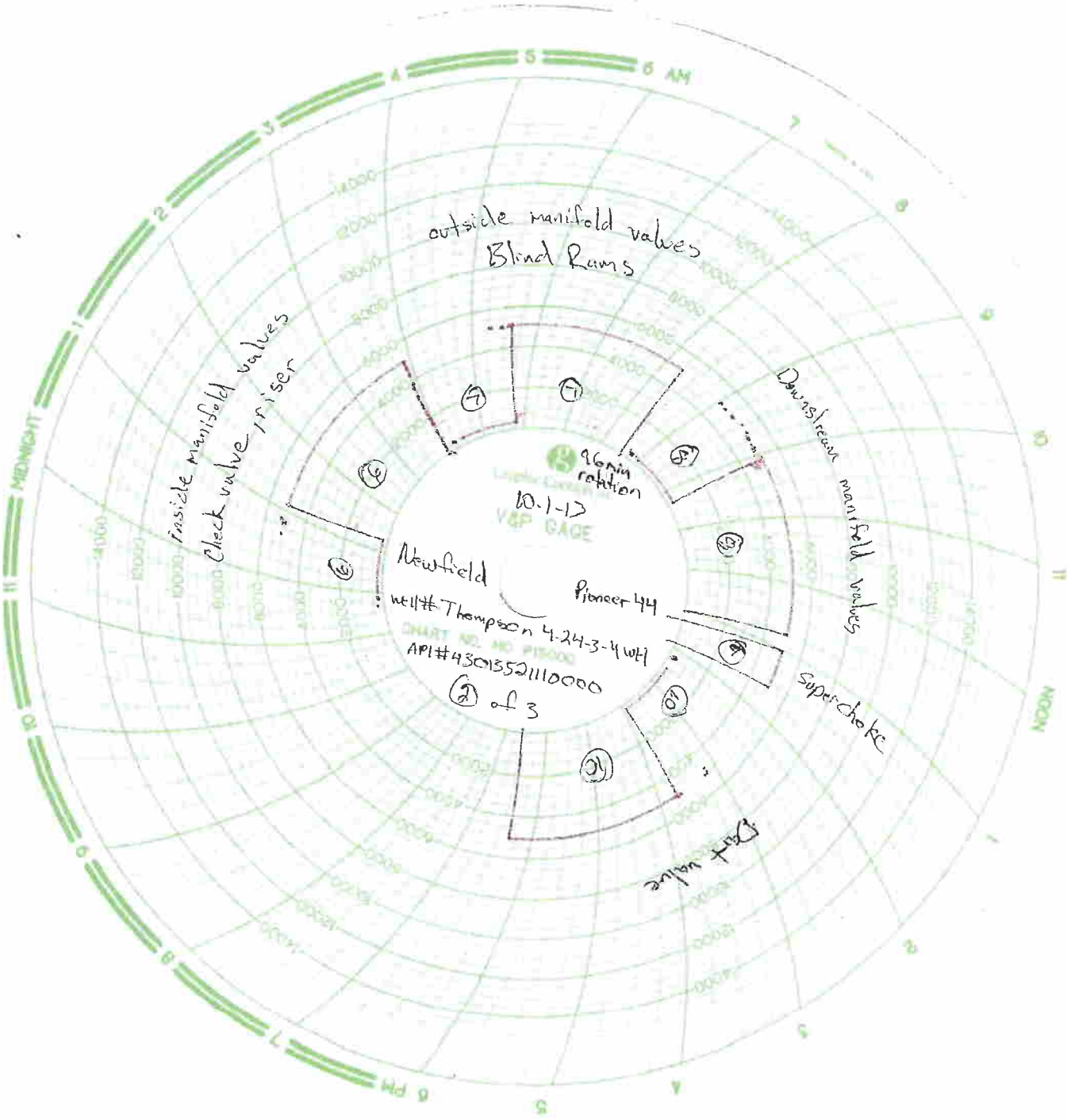
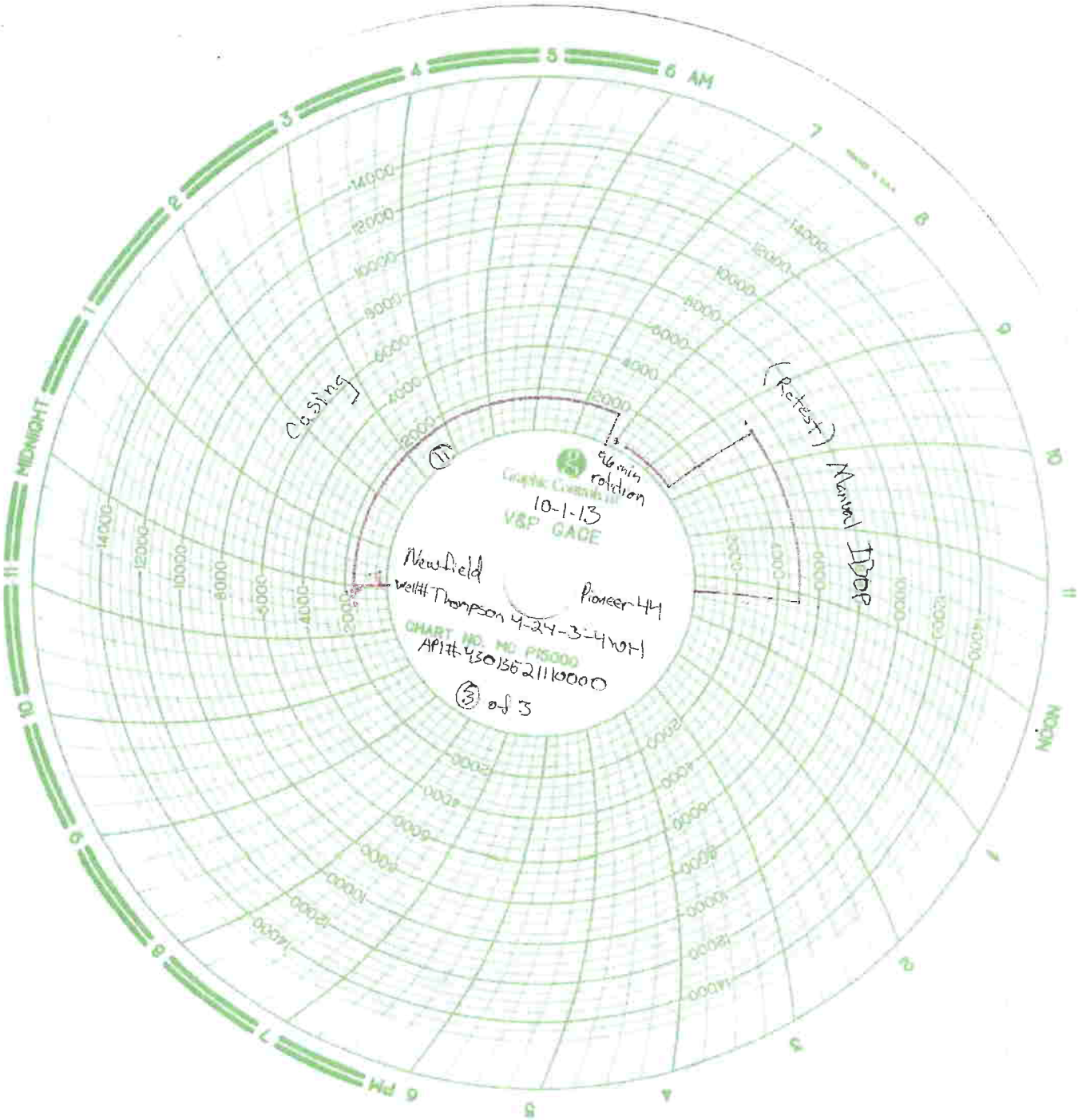


Chart #2 on Reverse


outside manifold valves
Blind Rams
inside manifold valves
Check valve / riser
Downstream manifold valves
96 min rotation
10-1-17
V&P GAGE
Newfield
Pioneer 44
well# Thompson 4-24-3-4 WH
API#43013521110000
2 of 3
Superchoke
Dart valve
MIDNIGHT
NOON
6 AM
6 PM



Casing
(Retest) Manual IDOP
96 min rotation
10-1-13
V&P GAGE
Newfield
well# Thompson 4-24-3-4WH
Pioneer 44
CHART NO. MC P15000
API# 4301352111 0000
3 of 3

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 44 Submitted By Mike Woolsey/Joe Johnson Phone Number 713-948-9196
Well Name/Number Thompson 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 4W
Lease Serial Number FEE
API Number 43013521110000

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 10/13/2013 06:00 AM ☐ PM ☐

BOPE

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

RECEIVED
OCT 11 2013
DIV. OF OIL, GAS & MINING

Date/Time 10/14/2013 18:00 AM ☐ PM ☐

Remarks _____

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 44 Submitted By Mike Woolsey/Joe Johnson Phone Number 713-948-9196
Well Name/Number Thompson 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 4W
Lease Serial Number FEE
API Number 43013521110000

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 10/13/2013 06:00 AM ☐ PM ☐

BOPE

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

RECEIVED
OCT 11 2013
DIV. OF OIL, GAS & MINING

Date/Time 10/14/2013 18:00 AM ☐ PM ☐

Remarks _____

RECEIVED
OCT 1 8 2013
DIV.OF OIL,GAS&MINING

EAGER BEAVER TESTERS INC.

P.O. BOX 1616
ROCK SPRINGS, WY 82902

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

43 013 52111

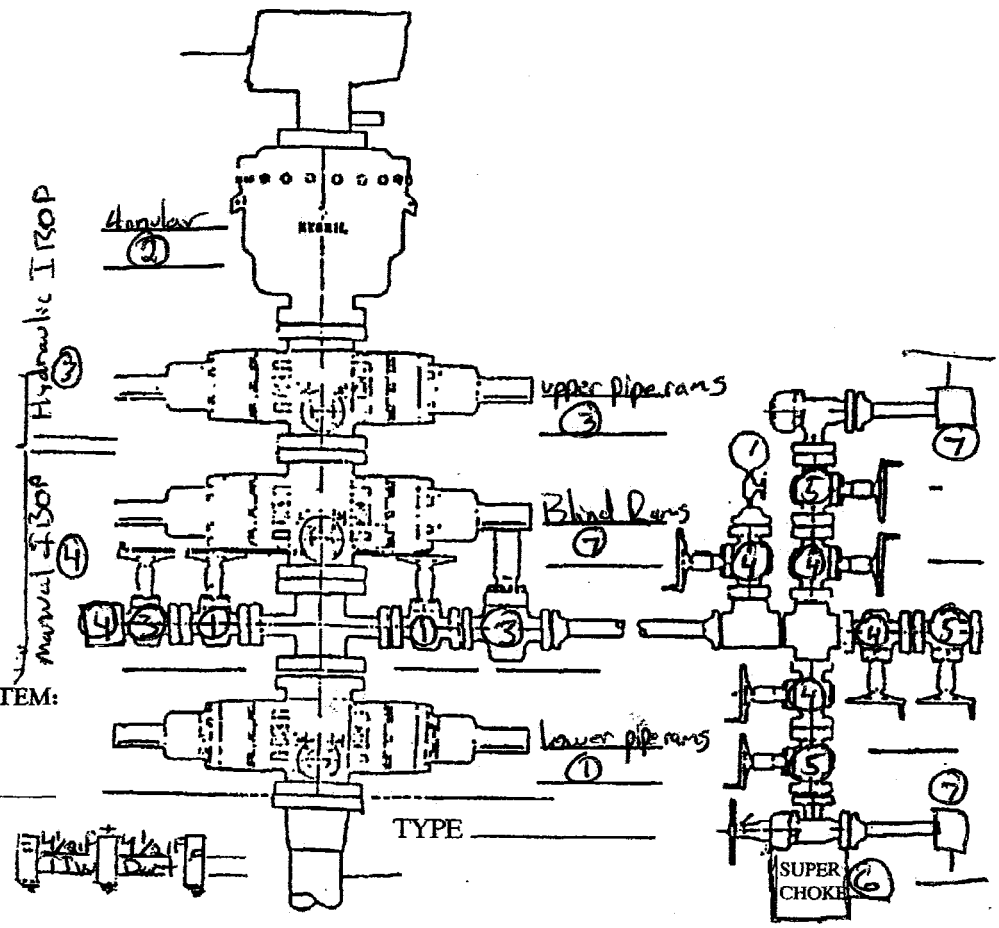
BOP TEST REPORT

DATE: 10-15-13 OPERATOR: Newfield RIG OR SITE#: Pioneer 44 SEC: 24 TNSHIP: 3S RANGE: 4W

FIELD: _____ WELL#: Thompson 4-24-3-4WH TEST PRESSURE: 250/6400

EQUIPMENT PRESSURE TESTED:

ANNULAR 50%	2
UPPER PIPE RAMS	3
LOWER PIPE RAMS	1
BLIND RAMS	7
KILL LINE VALVES	1,3
HCR VALVE	3
CHOKE VALVES	1
MANIFOLD VALVES	4,5,7
SUPER CHOKE	6
MANUAL CHOKE	N/A
UPPER KELLY VALVE	3
LOWER KELLY VALVE	4
INSIDE BOP	5
FLOOR VALVE	7
CASING PRE. 2000 psi	8



ACCUMULATOR AND CLOSING SYSTEM:

NITROGEN PRECHARGE PSI 1100
FIELD CHECK ✓ GUAGE CHECK _____
BOTTLES ✓ SPHERES _____

TYPE _____

FUNCTION CHECK 1min 3sec
PUMP CHECK 1600 psi
REMOTE OPERATION CHECK ✓
HYDRAULIC FLUID LEVEL ✓

OTHER TESTS:

EQUIPMENT TYPE _____ PRESSURE _____

REPAIRS OR POTENTIAL PROBLEMS:

EAGER BEAVER TESTERS

DATE: 10-15-13 COMPANY: Newfield RIG: Pioneer 44 WELL NAME & #: Thompson 4-24-34WH

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 1600 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 31 sec (2 minutes or less)

TO CHECK THE PRECHARGE ON BOTTLES OR SPHERICAL

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

1. Open bottles back up to the manifold (pressure should be above the desired precharge pressure, (1500 psi=750 desired psi) (2000 and 3000 psi= 1000 desired psi) may need to use pumps to pressure back up.
2. With power to pumps shut off open bleed line to the tank
3. Watch and record where the pressure drops (accumulator psi)
4. Record the pressure drop 1100 PSI

If pressure drops below the minimum precharge, (accumulator working pressure {1500 psi=700 min}{2000 and 3000 psi= 900 psi min.}) each bottle shall be independently checked with a gauge.

EAGER BEAVER TESTERS

DATE: 10-15-13 COMPANY: Newfield RIG: Pioneer 44 WELL NAME & #: Thompson 4-243-4WH

Time	Test No.		Results
3:20 AM ☐PM☐	1	Mudline, lower pipe rams, inside kill & choke valves	Pass ☐Fail ☐
4:20 AM ☐PM☐	2	Annular	Pass ☐Fail ☐
4:53 AM ☐PM☐	3	Hydraulic IBOP, upper pipe rams, HCR, outside kill valve	Pass ☐Fail ☐
5:40 AM ☐PM☐	4	Manual IBOP, check valve, inside manifold valves, riser	Pass ☐Fail ☐
6:20 AM ☐PM☐	5	TIW, outside manifold valves	Pass ☐Fail ☐
6:53 AM ☐PM☐	6	Superchoke	Pass ☐Fail ☐
7:30 AM ☐PM☐	7	Dart valve, Blind Rams, Downstream manifold valves	Pass ☐Fail ☐
9:23 AM ☐PM☐	8	Casing	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

Prompt & Efficient

24 Hr. Service

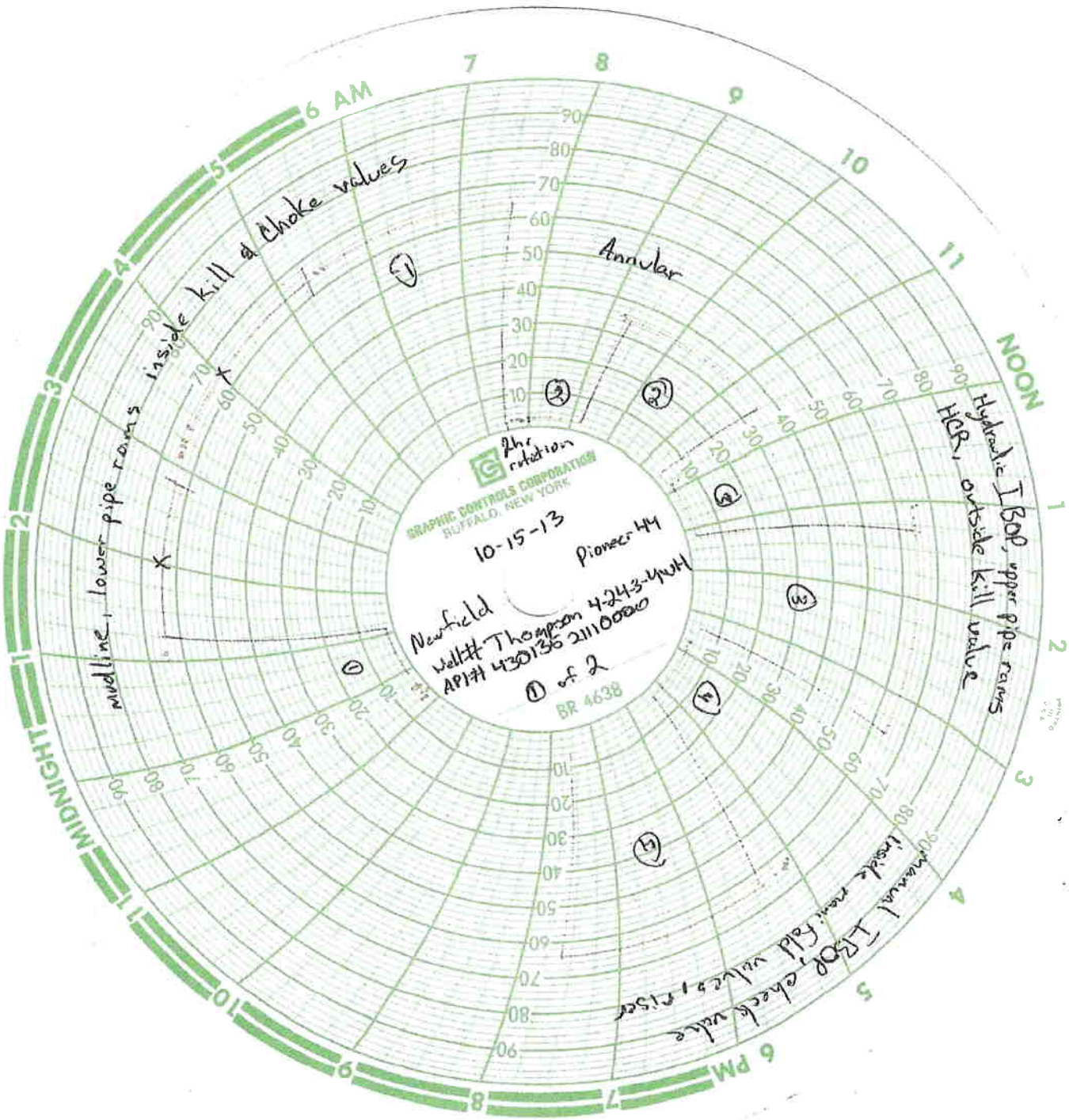
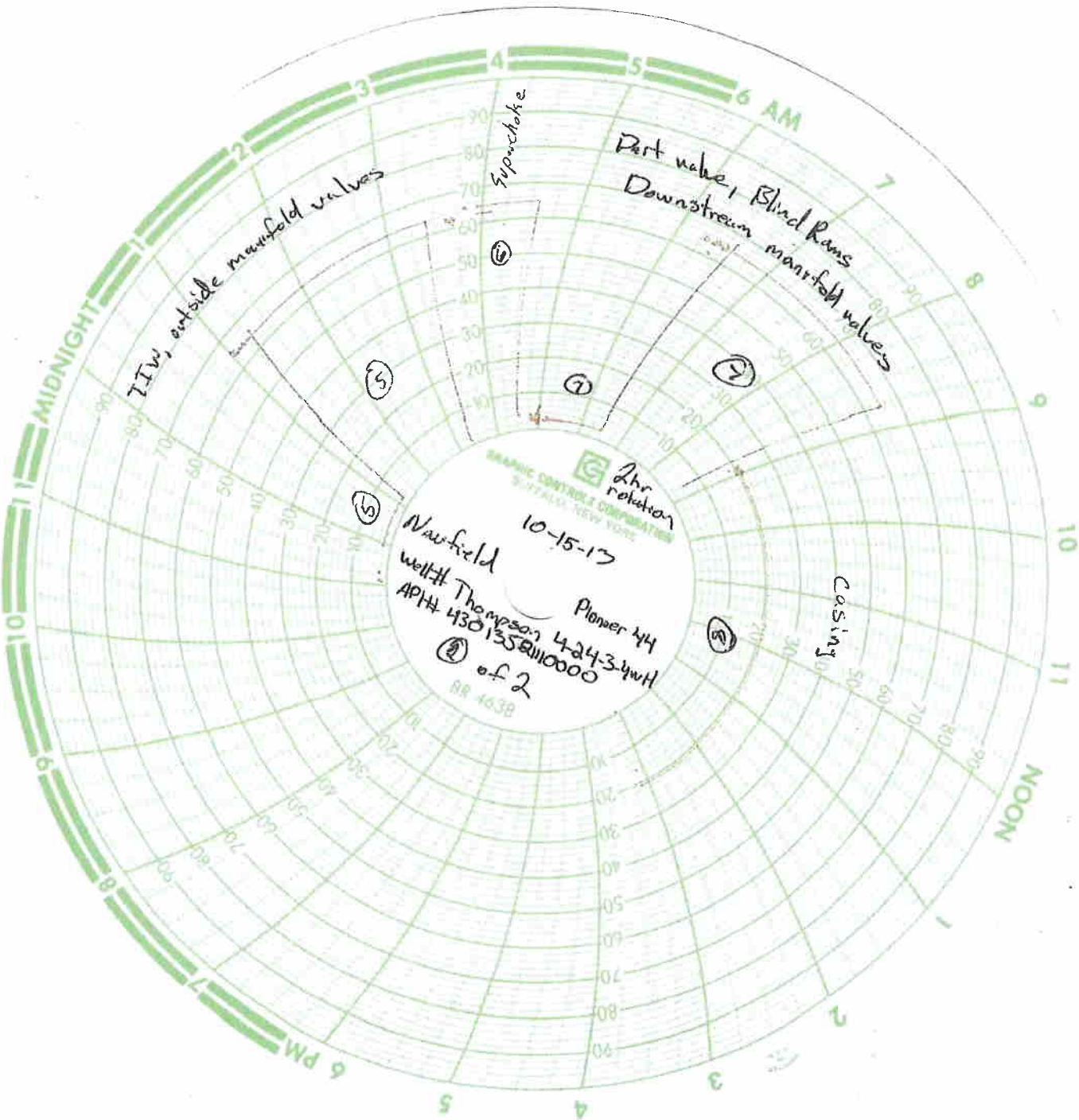


Chart #2 on Reverse



Supercholke
Part valve, Blind Rams
Downstream manifold valves
TIW, outside manifold valves
2hr rotation
10-15-13
Newfield
Well# Thompson 4-24-3-4wH
API# 4301352110000
Pioneer 44
2 of 2
Casing
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
BR 463B
MIDNIGHT
NOON
6 AM
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 Thompson 4-24-3-4WH
Qtr/Qtr NW/NW Section 24 Township 3S Range 4W
Lease Serial Number FEE
API Number 43013521110000

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 11/2/2013 00:00 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 _____ _____ AM ☐ PM ☐

Remarks Run 5 1/2" Production casing.

API Well Number: 43013521110000

PBTVD 9425'
BHL 700' FWL
Prod btm 940'FSL 700'FWL

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. FEE

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No. THOMPSON 4-24-3-4WH

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

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

9. API Well No. 43-013-52111

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

At surface: 191' FNL 1080' FWL (NW/NW) SEC 24 T3S R4W

At top prod. interval reported below: 854' FNL 700' FWL (NW/NW) SEC 24 T3S R4W

At total depth: 660' FSL 809' FWL (SW/SW) SEC 24 T3S R4W

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC 24 T3S R4W Mer U

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 08/26/2013

15. Date T.D. Reached: 11/07/2013

16. Date Completed: 12/21/2013 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5898' GL 5924' KB

18. Total Depth: MD 13774' TVD 9437'

19. Plug Back T.D.: MD 13705' TVD

20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
19-1/2"	13-3/8" J-55	54.50	0'	1641'		1610 CLASS G			
12-5/8"	9-5/8" N-80	40.00	0'	8807'		1650 Versacem		1156'	
						590 Bondcem			
8-7/8"	5-1/2" P-110	20.00	0'	13,889'		1965 Elastiseal			
						655 BondCem			

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@9702	XN@9654'						

25. Producing Intervals

Formation	Top	Bottom
A) Green River	10,048	13680'
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
10,048'-13680' MD	0.34	708	

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

Depth Interval	Amount and Type of Material
10,048'-13680' MD	Frac w/ 61900#s of 100 mesh and 299580#s 30/50 crc and 2701198 30/50 white sand in 57704 bbls of Delta 24# fluid, in 20 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
12/20/13	12/30/13	24	→	717	743	497			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)

RECEIVED: Jan. 14, 2014

API Well Number: 43013521110000

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	6805'
				GARDEN GULCH 2	7248'
				CASTLE PEAK	8949'
				UTELAND BUTTE	9277'
				WASATCH	9465'

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 01/14/2014

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

(Continued on page 3)

RECEIVED: Jan. 14, 2014

API Well Number: 43013521110000

Survey Report

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Well:	4-24-3-4WH	**North Reference:**	True
Wellbore:	4-24-3-4WH ST01 THOMPSON	**Survey Calculation Method:**	Minimum Curvature
Design:	4-24-3-4WH ST01 THOMPSON (Actual)	**Database:**	EDM 5000.1 Lynn Db

Project DUCHESNE COUNTY, UT (NAD 83),

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site CENTRAL BASIN (NAD 83)

Site Position:		**Northing:**	7,255,843.21 usft	**Latitude:**	40° 13' 50.461 N
From:	Map	**Easting:**	2,033,280.24 usft	**Longitude:**	110° 5' 34.149 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.90 °

Well 4-24-3-4WH

Well Position	**+N/-S**	0.00 usft	**Northing:**	7,248,725.17 usft	**Latitude:**	40° 12' 48.070 N
	+E/-W	0.00 usft	**Easting:**	1,978,316.26 usft	**Longitude:**	110° 17' 24.040 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,923.00 usft	**Ground Level:**	5,897.00 usft

Wellbore 4-24-3-4WH ST01 THOMPSON

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2013	10/23/2013	11.22	65.82	52,007

Design 4-24-3-4WH ST01 THOMPSON (Actual)

Audit Notes:

Version:	ST01 (Actual)	**Phase:**	ACTUAL	**Tie On Depth:**	9,801.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	187.69

Survey Program **Date** 11/1/2013

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
26.00	1,569.00	VES Gyro Survey 0'-1,569' MD (4-24-3-4W	Gyroscope	Gyroscope
1,675.00	8,826.00	LEAM MWD Survey (1569')1,675'-8,826' M	LEAM MWD-ADJ	MWD - Standard
8,920.00	9,801.00	Sperry Sun (8826') 8,920'-11,257'MD (4-2	MWD-ISCWSA	MWD - Standard
9,833.00	13,774.00	Sperry Sun (9801'MD)9,833'-13,720'MD(T	MWD-ISCWSA	MWD - Standard

Survey

Measured Depth (usft)	**Inclination (°)**	**Azimuth (°)**	**Vertical Depth (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Vertical Section (usft)**	**Dogleg Rate (°/100usft)**	**Build Rate (°/100usft)**	**Turn Rate (°/100usft)**
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.00	0.00	0.00	26.00	0.00	0.00	0.00	0.00	0.00	0.00
126.00	0.89	344.30	126.00	0.75	-0.21	-0.71	0.89	0.89	0.00
226.00	0.73	339.52	225.99	2.09	-0.64	-1.99	0.17	-0.15	-4.78
326.00	0.96	348.30	325.98	3.51	-1.04	-3.34	0.26	0.23	8.78

RECEIVED: Jan. 14, 2014

Survey Report

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
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Wellbore:	4-24-3-4WH ST01 THOMPSON	**Survey Calculation Method:**	Minimum Curvature
Design:	4-24-3-4WH ST01 THOMPSON (Actual)	**Database:**	EDM 5000.1 Lynn Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
426.00	1.08	345.96	425.96	5.25	-1.44	-5.01	0.13	0.12	-2.34
526.00	1.11	347.13	525.94	7.10	-1.88	-6.79	0.04	0.03	1.17
626.00	1.47	341.90	625.92	9.26	-2.49	-8.85	0.38	0.36	-5.22
726.00	1.84	347.78	725.87	12.05	-3.23	-11.51	0.41	0.38	5.87
826.00	2.28	341.79	825.81	15.51	-4.19	-14.81	0.49	0.44	-5.98
926.00	2.66	336.85	925.72	19.53	-5.73	-18.59	0.44	0.38	-4.94
1,026.00	2.60	323.04	1,025.61	23.47	-8.00	-22.19	0.64	-0.07	-13.82
1,126.00	1.60	322.03	1,125.54	26.38	-10.22	-24.78	1.00	-1.00	-1.01
1,226.00	0.98	310.19	1,225.52	28.03	-11.73	-26.21	0.67	-0.62	-11.84
1,326.00	0.76	315.75	1,325.51	29.06	-12.85	-27.08	0.23	-0.21	5.56
1,426.00	0.77	288.48	1,425.50	29.75	-13.95	-27.62	0.36	0.00	-27.27
1,526.00	0.97	300.71	1,525.49	30.39	-15.31	-28.07	0.27	0.20	12.23
1,569.00	0.89	317.18	1,568.48	30.82	-15.85	-28.43	0.64	-0.18	38.30
1,675.00	0.50	273.10	1,674.47	31.45	-16.87	-28.91	0.60	-0.37	-41.58
1,958.00	0.90	234.60	1,957.45	30.23	-19.91	-27.30	0.21	0.14	-13.60
2,053.00	0.90	241.20	2,052.44	29.44	-21.17	-26.34	0.11	0.00	6.95
2,147.00	0.80	221.70	2,146.43	28.59	-22.26	-25.36	0.32	-0.11	-20.74
2,242.00	0.90	221.40	2,241.42	27.54	-23.19	-24.19	0.11	0.11	-0.32
2,336.00	1.10	214.50	2,335.41	26.24	-24.19	-22.77	0.25	0.21	-7.34
2,430.00	1.10	200.80	2,429.39	24.65	-25.02	-21.09	0.28	0.00	-14.57
2,524.00	1.30	195.50	2,523.37	22.78	-25.63	-19.15	0.24	0.21	-5.64
2,619.00	1.50	198.70	2,618.34	20.57	-26.31	-16.86	0.23	0.21	3.37
2,713.00	1.80	197.30	2,712.30	17.99	-27.15	-14.20	0.32	0.32	-1.49
2,807.00	2.00	238.80	2,806.25	15.73	-28.99	-11.71	1.45	0.21	44.15
2,902.00	3.00	269.90	2,901.17	14.87	-32.89	-10.34	1.74	1.05	32.74
2,996.00	3.60	270.60	2,995.01	14.90	-38.30	-9.64	0.64	0.64	0.74
3,090.00	3.40	272.40	3,088.83	15.04	-44.04	-9.02	0.24	-0.21	1.91
3,185.00	3.60	272.90	3,183.66	15.31	-49.83	-8.51	0.21	0.21	0.53
3,279.00	4.00	269.20	3,277.45	15.42	-56.06	-7.78	0.50	0.43	-3.94
3,373.00	3.20	286.20	3,371.27	16.10	-61.86	-7.68	1.41	-0.85	18.09
3,468.00	3.20	289.40	3,466.12	17.72	-66.90	-8.61	0.19	0.00	3.37
3,562.00	3.10	293.10	3,559.98	19.59	-71.72	-9.82	0.24	-0.11	3.94
3,656.00	3.70	284.70	3,653.81	21.36	-76.99	-10.87	0.83	0.64	-8.94
3,751.00	2.60	289.10	3,748.67	22.84	-81.99	-11.67	1.18	-1.16	4.63
3,845.00	2.60	278.70	3,842.57	23.86	-86.11	-12.13	0.50	0.00	-11.06
3,939.00	1.80	293.60	3,936.50	24.78	-89.57	-12.57	1.04	-0.85	15.85
4,034.00	1.80	283.20	4,031.46	25.71	-92.39	-13.12	0.34	0.00	-10.95
4,128.00	2.00	268.80	4,125.40	26.02	-95.47	-13.01	0.55	0.21	-15.32
4,222.00	2.40	278.00	4,219.33	26.26	-99.06	-12.77	0.57	0.43	9.79
4,317.00	2.60	283.60	4,314.24	27.04	-103.12	-13.00	0.33	0.21	5.89
4,411.00	2.60	277.80	4,408.15	27.83	-107.31	-13.23	0.28	0.00	-6.17
4,506.00	3.30	293.10	4,503.02	29.20	-111.96	-13.96	1.10	0.74	16.11

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Survey Report

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Well:	4-24-3-4WH	**North Reference:**	True
Wellbore:	4-24-3-4WH ST01 THOMPSON	**Survey Calculation Method:**	Minimum Curvature
Design:	4-24-3-4WH ST01 THOMPSON (Actual)	**Database:**	EDM 5000.1 Lynn Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.00	3.20	287.10	4,596.87	31.03	-116.95	-15.10	0.38	-0.11	-6.38
4,695.00	2.90	276.60	4,691.74	32.08	-121.88	-15.49	0.67	-0.32	-11.05
4,789.00	2.10	291.20	4,785.65	32.98	-125.84	-15.85	1.08	-0.85	15.53
4,884.00	2.00	281.80	4,880.59	33.95	-129.09	-16.37	0.37	-0.11	-9.89
4,978.00	2.60	303.50	4,974.51	35.46	-132.47	-17.42	1.11	0.64	23.09
5,072.00	2.60	301.70	5,068.42	37.76	-136.06	-19.22	0.09	0.00	-1.91
5,167.00	2.40	294.70	5,163.33	39.72	-139.70	-20.68	0.38	-0.21	-7.37
5,261.00	2.00	279.00	5,257.26	40.80	-143.11	-21.29	0.77	-0.43	-16.70
5,356.00	2.60	298.20	5,352.18	42.08	-146.65	-22.08	1.02	0.63	20.21
5,450.00	2.70	290.30	5,446.08	43.85	-150.60	-23.31	0.40	0.11	-8.40
5,545.00	2.60	272.00	5,540.98	44.71	-154.86	-23.59	0.89	-0.11	-19.26
5,639.00	2.00	275.90	5,634.91	44.95	-158.62	-23.33	0.66	-0.64	4.15
5,733.00	3.30	283.20	5,728.80	45.73	-162.88	-23.53	1.43	1.38	7.77
5,828.00	4.60	309.10	5,823.58	48.76	-168.50	-25.78	2.29	1.37	27.26
5,922.00	5.40	307.30	5,917.23	53.82	-174.95	-29.93	0.87	0.85	-1.91
6,016.00	5.50	303.80	6,010.80	59.01	-182.21	-34.10	0.37	0.11	-3.72
6,111.00	5.20	295.20	6,105.39	63.37	-189.89	-37.40	0.90	-0.32	-9.05
6,205.00	5.50	292.20	6,198.98	66.89	-197.91	-39.81	0.44	0.32	-3.19
6,299.00	5.70	284.10	6,292.53	69.73	-206.61	-41.46	0.87	0.21	-8.62
6,394.00	5.30	284.00	6,387.09	71.94	-215.44	-42.47	0.42	-0.42	-0.11
6,488.00	5.80	280.60	6,480.65	73.86	-224.33	-43.19	0.64	0.53	-3.62
6,582.00	5.50	279.40	6,574.20	75.47	-233.44	-43.56	0.34	-0.32	-1.28
6,677.00	5.40	285.50	6,668.77	77.41	-242.24	-44.31	0.62	-0.11	6.42
6,771.00	4.10	291.00	6,762.44	79.80	-249.64	-45.68	1.46	-1.38	5.85
6,865.00	4.10	282.70	6,856.20	81.74	-256.05	-46.75	0.63	0.00	-8.83
6,959.00	4.00	286.80	6,949.97	83.43	-262.47	-47.56	0.33	-0.11	4.36
7,054.00	3.90	294.70	7,044.74	85.73	-268.58	-49.03	0.58	-0.11	8.32
7,148.00	3.90	289.20	7,138.53	88.12	-274.50	-50.61	0.40	0.00	-5.85
7,242.00	3.50	282.70	7,232.33	89.80	-280.32	-51.50	0.62	-0.43	-6.91
7,337.00	3.30	282.40	7,327.16	91.03	-285.82	-51.97	0.21	-0.21	-0.32
7,431.00	2.60	282.90	7,421.04	92.08	-290.54	-52.39	0.75	-0.74	0.53
7,525.00	2.60	269.50	7,514.94	92.54	-294.75	-52.28	0.65	0.00	-14.26
7,620.00	2.70	269.40	7,609.84	92.50	-299.14	-51.65	0.11	0.11	-0.11
7,714.00	2.40	278.00	7,703.75	92.75	-303.30	-51.34	0.52	-0.32	9.15
7,808.00	2.70	277.10	7,797.66	93.30	-307.45	-51.33	0.32	0.32	-0.96
7,903.00	3.30	285.70	7,892.53	94.31	-312.30	-51.69	0.79	0.63	9.05
7,997.00	3.30	287.50	7,986.37	95.86	-317.49	-52.53	0.11	0.00	1.91
8,091.00	3.50	278.50	8,080.20	97.10	-322.91	-53.03	0.61	0.21	-9.57
8,185.00	3.40	266.60	8,174.04	97.36	-328.53	-52.53	0.77	-0.11	-12.66
8,279.00	3.60	258.30	8,267.86	96.59	-334.20	-51.02	0.58	0.21	-8.83
8,374.00	4.10	241.90	8,362.65	94.39	-340.11	-48.04	1.27	0.53	-17.26
8,400.00	4.17	239.31	8,388.58	93.47	-341.75	-46.91	0.77	0.28	-9.95

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Survey Report

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Well:	4-24-3-4WH	**North Reference:**	True
Wellbore:	4-24-3-4WH ST01 THOMPSON	**Survey Calculation Method:**	Minimum Curvature
Design:	4-24-3-4WH ST01 THOMPSON (Actual)	**Database:**	EDM 5000.1 Lynn Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9-5/8" Csg (8400' MD)									
8,468.00	4.40	233.00	8,456.39	90.63	-345.96	-43.54	0.77	0.33	-9.29
8,562.00	4.70	223.30	8,550.10	85.66	-351.48	-37.87	0.88	0.32	-10.32
8,656.00	5.20	219.40	8,643.75	79.57	-356.82	-31.12	0.64	0.53	-4.15
8,750.00	6.20	214.70	8,737.28	72.10	-362.42	-22.97	1.17	1.06	-5.00
8,826.00	6.19	215.50	8,812.84	65.39	-367.13	-15.69	0.11	-0.01	1.05
8,920.00	2.71	166.49	8,906.57	59.10	-369.56	-9.13	5.17	-3.70	-52.14
8,983.00	3.05	129.95	8,969.49	56.58	-367.93	-6.85	2.91	0.54	-58.00
9,015.00	4.24	145.50	9,001.43	55.06	-366.60	-5.52	4.80	3.72	48.59
9,046.00	7.20	188.03	9,032.28	52.19	-366.23	-2.73	16.06	9.55	137.19
9,077.00	11.66	191.45	9,062.86	47.19	-367.12	2.35	14.49	14.39	11.03
9,109.00	15.50	190.68	9,093.96	39.82	-368.55	9.84	12.01	12.00	-2.41
9,112.34	15.70	190.45	9,097.17	38.93	-368.72	10.74	6.27	5.99	-6.89
9,140.00	19.76	190.47	9,123.51	30.65	-370.25	19.15	14.68	14.68	0.07
9,172.00	23.21	189.75	9,153.28	19.11	-372.30	30.86	10.81	10.78	-2.25
9,203.00	24.52	189.55	9,181.63	6.75	-374.40	43.40	4.23	4.23	-0.65
9,235.00	26.03	187.14	9,210.57	-6.77	-376.38	57.06	5.71	4.72	-7.53
9,266.00	29.40	183.97	9,238.01	-21.11	-377.75	71.45	11.86	10.87	-10.23
9,297.00	32.02	183.91	9,264.66	-36.90	-378.84	87.25	8.45	8.45	-0.19
9,329.00	33.76	182.23	9,291.53	-54.25	-379.76	104.57	6.14	5.44	-5.25
9,360.00	35.92	178.96	9,316.98	-71.96	-379.93	122.13	9.21	6.97	-10.55
9,392.00	38.30	177.06	9,342.49	-91.25	-379.25	141.16	8.25	7.44	-5.94
9,423.00	41.02	176.83	9,366.36	-111.00	-378.20	160.60	8.79	8.77	-0.74
9,455.00	45.18	177.72	9,389.72	-132.84	-377.16	182.10	13.14	13.00	2.78
9,486.00	48.48	178.32	9,410.92	-155.43	-376.39	204.38	10.74	10.65	1.94
9,518.00	50.46	178.36	9,431.72	-179.74	-375.68	228.38	6.19	6.19	0.13
9,549.00	51.36	178.15	9,451.26	-203.79	-374.95	252.12	2.95	2.90	-0.68
9,581.00	53.01	178.36	9,470.88	-229.06	-374.18	277.06	5.18	5.16	0.66
9,612.00	55.60	180.07	9,488.97	-254.23	-373.84	301.95	9.48	8.35	5.52
9,644.00	58.10	181.81	9,506.47	-281.01	-374.29	328.56	9.04	7.81	5.44
9,675.00	59.05	182.60	9,522.63	-307.45	-375.30	354.89	3.76	3.06	2.55
9,707.00	61.36	183.43	9,538.53	-335.17	-376.77	382.56	7.56	7.22	2.59
9,738.00	64.39	183.68	9,552.66	-362.71	-378.48	410.08	9.80	9.77	0.81
9,770.00	65.68	184.06	9,566.17	-391.65	-380.44	439.02	4.17	4.03	1.19
9,801.00	68.34	181.99	9,578.28	-420.15	-381.94	467.46	10.55	8.58	-6.68
9,833.00	72.48	181.01	9,589.00	-450.28	-382.72	497.43	13.26	12.94	-3.06
9,864.00	75.18	180.54	9,597.64	-480.04	-383.12	526.98	8.83	8.71	-1.52
9,896.00	78.04	179.93	9,605.05	-511.17	-383.25	557.85	9.13	8.94	-1.91
9,954.00	81.60	180.71	9,615.30	-568.25	-383.57	614.45	6.28	6.14	1.34
9,986.00	84.36	179.13	9,619.21	-600.00	-383.53	645.92	9.92	8.63	-4.94
10,017.00	86.05	176.94	9,621.80	-630.87	-382.47	676.37	8.90	5.45	-7.06
10,049.00	88.03	174.72	9,623.45	-662.74	-380.14	707.64	9.29	6.19	-6.94

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Survey Report

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Well:	4-24-3-4WH	**North Reference:**	True
Wellbore:	4-24-3-4WH ST01 THOMPSON	**Survey Calculation Method:**	Minimum Curvature
Design:	4-24-3-4WH ST01 THOMPSON (Actual)	**Database:**	EDM 5000.1 Lynn Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,080.00	90.99	174.61	9,623.72	-693.60	-377.26	737.84	9.55	9.55	-0.35
10,112.00	92.04	175.21	9,622.87	-725.47	-374.42	769.03	3.78	3.28	1.88
10,143.00	92.19	174.93	9,621.73	-756.33	-371.76	799.26	1.02	0.48	-0.90
10,174.00	92.46	175.15	9,620.47	-787.19	-369.08	829.49	1.12	0.87	0.71
10,206.00	92.75	174.30	9,619.01	-819.02	-366.14	860.64	2.80	0.91	-2.66
10,237.00	93.05	174.83	9,617.45	-849.84	-363.21	890.79	1.96	0.97	1.71
10,269.00	93.42	173.98	9,615.64	-881.64	-360.10	921.88	2.89	1.16	-2.66
10,300.00	93.80	174.31	9,613.69	-912.41	-356.94	951.96	1.62	1.23	1.06
10,332.00	92.65	174.35	9,611.89	-944.21	-353.78	983.05	3.60	-3.59	0.13
10,363.00	92.98	174.33	9,610.36	-975.02	-350.73	1,013.17	1.07	1.06	-0.06
10,395.00	93.58	174.93	9,608.53	-1,006.83	-347.74	1,044.29	2.65	1.88	1.88
10,426.00	94.10	174.81	9,606.46	-1,037.63	-344.97	1,074.45	1.72	1.68	-0.39
10,458.00	94.22	174.67	9,604.14	-1,069.41	-342.05	1,105.56	0.58	0.38	-0.44
10,489.00	94.73	175.06	9,601.72	-1,100.19	-339.28	1,135.69	2.07	1.65	1.26
10,521.00	93.08	173.83	9,599.54	-1,131.97	-336.19	1,166.77	6.43	-5.16	-3.84
10,552.00	92.75	173.25	9,597.96	-1,162.73	-332.71	1,196.79	2.15	-1.06	-1.87
10,583.00	92.62	173.70	9,596.51	-1,193.50	-329.19	1,226.81	1.51	-0.42	1.45
10,616.00	92.93	173.71	9,594.91	-1,226.26	-325.58	1,258.79	0.94	0.94	0.03
10,647.00	93.68	174.34	9,593.13	-1,257.04	-322.35	1,288.86	3.16	2.42	2.03
10,723.00	92.41	175.63	9,589.09	-1,332.64	-315.72	1,362.90	2.38	-1.67	1.70
10,817.00	91.98	175.96	9,585.49	-1,426.32	-308.83	1,454.81	0.58	-0.46	0.35
10,911.00	91.89	175.19	9,582.31	-1,519.98	-301.58	1,546.66	0.82	-0.10	-0.82
11,005.00	91.79	174.31	9,579.30	-1,613.54	-292.99	1,638.23	0.94	-0.11	-0.94
11,099.00	91.61	176.00	9,576.51	-1,707.16	-285.05	1,729.95	1.81	-0.19	1.80
11,193.00	91.19	176.78	9,574.21	-1,800.94	-279.14	1,822.10	0.94	-0.45	0.83
11,288.00	90.75	177.31	9,572.60	-1,895.80	-274.24	1,915.45	0.73	-0.46	0.56
11,382.00	92.16	177.48	9,570.21	-1,989.67	-269.97	2,007.90	1.51	1.50	0.18
11,477.00	92.96	180.29	9,565.97	-2,084.55	-268.12	2,101.68	3.07	0.84	2.96
11,571.00	92.60	179.77	9,561.41	-2,178.44	-268.17	2,194.73	0.67	-0.38	-0.55
11,665.00	93.30	179.60	9,556.57	-2,272.31	-267.65	2,287.69	0.77	0.74	-0.18
11,854.00	93.34	180.59	9,545.63	-2,460.99	-267.97	2,474.72	0.52	0.02	0.52
12,043.00	93.71	176.53	9,534.00	-2,649.53	-263.23	2,660.93	2.15	0.20	-2.15
12,137.00	92.78	175.19	9,528.68	-2,743.14	-256.45	2,752.79	1.73	-0.99	-1.43
12,231.00	92.95	178.19	9,523.98	-2,836.85	-251.03	2,844.93	3.19	0.18	3.19
12,325.00	92.69	178.72	9,519.36	-2,930.70	-248.50	2,937.60	0.63	-0.28	0.56
12,410.00	93.21	179.87	9,514.98	-3,015.58	-247.46	3,021.58	1.48	0.61	1.35
12,514.00	93.58	183.21	9,508.82	-3,119.35	-250.25	3,124.79	3.23	0.36	3.21
12,608.00	91.73	181.76	9,504.47	-3,213.15	-254.32	3,218.29	2.50	-1.97	-1.54
12,702.00	91.37	183.12	9,501.93	-3,307.03	-258.32	3,311.86	1.50	-0.38	1.45
12,797.00	92.29	183.53	9,498.89	-3,401.82	-263.82	3,406.54	1.06	0.97	0.43
12,891.00	95.26	185.43	9,492.70	-3,495.31	-271.15	3,500.17	3.75	3.16	2.02

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Survey Report

Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	**Local Co-ordinate Reference:**	Well 4-24-3-4WH
Project:	DUCHESNE COUNTY, UT (NAD 83)	**TVD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Site:	CENTRAL BASIN (NAD 83)	**MD Reference:**	WELL (5897'+26'= 5,923' MSL) @ 5923.00usft (Pioneer 44 (KB= 26'))
Well:	4-24-3-4WH	**North Reference:**	True
Wellbore:	4-24-3-4WH ST01 THOMPSON	**Survey Calculation Method:**	Minimum Curvature
Design:	4-24-3-4WH ST01 THOMPSON (Actual)	**Database:**	EDM 5000.1 Lynn Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,986.00	94.88	184.15	9,484.31	-3,589.61	-279.05	3,594.67	1.40	-0.40	-1.35
13,080.00	94.70	183.17	9,476.46	-3,683.09	-285.03	3,688.11	1.06	-0.19	-1.04
13,174.00	95.01	182.78	9,468.50	-3,776.63	-289.89	3,781.46	0.53	0.33	-0.41
13,269.00	93.89	183.07	9,461.13	-3,871.21	-294.72	3,875.84	1.22	-1.18	0.31
13,363.00	92.29	180.98	9,456.06	-3,965.01	-298.04	3,969.24	2.80	-1.70	-2.22
13,457.00	92.97	180.39	9,451.75	-4,058.90	-299.16	4,062.44	0.96	0.72	-0.63
13,551.00	92.47	179.24	9,447.29	-4,152.80	-298.86	4,155.45	1.33	-0.53	-1.22
13,646.00	92.16	177.98	9,443.45	-4,247.69	-296.55	4,249.18	1.36	-0.33	-1.33
13,720.00	93.34	177.86	9,439.90	-4,321.55	-293.87	4,322.02	1.60	1.59	-0.16
Sperry Sun MWD 9833'- 13,720' MD									
13,774.00	93.34	177.86	9,436.76	-4,375.42	-291.86	4,375.14	0.00	0.00	0.00
Projected to T.D.= 13774' MD- 9436.76' TVD									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
8,400.00	8,388.58	9-5/8" Csg (8400' MD)	9-5/8	12-1/4

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
13,720.00	9,439.90	-4,321.55	-293.87	Sperry Sun MWD 9833'- 13,720' MD
13,774.00	9,436.76	-4,375.42	-291.86	Projected to T.D.= 13774' MD- 9436.76' TVD

Checked By: _____ Approved By: _____ Date: _____

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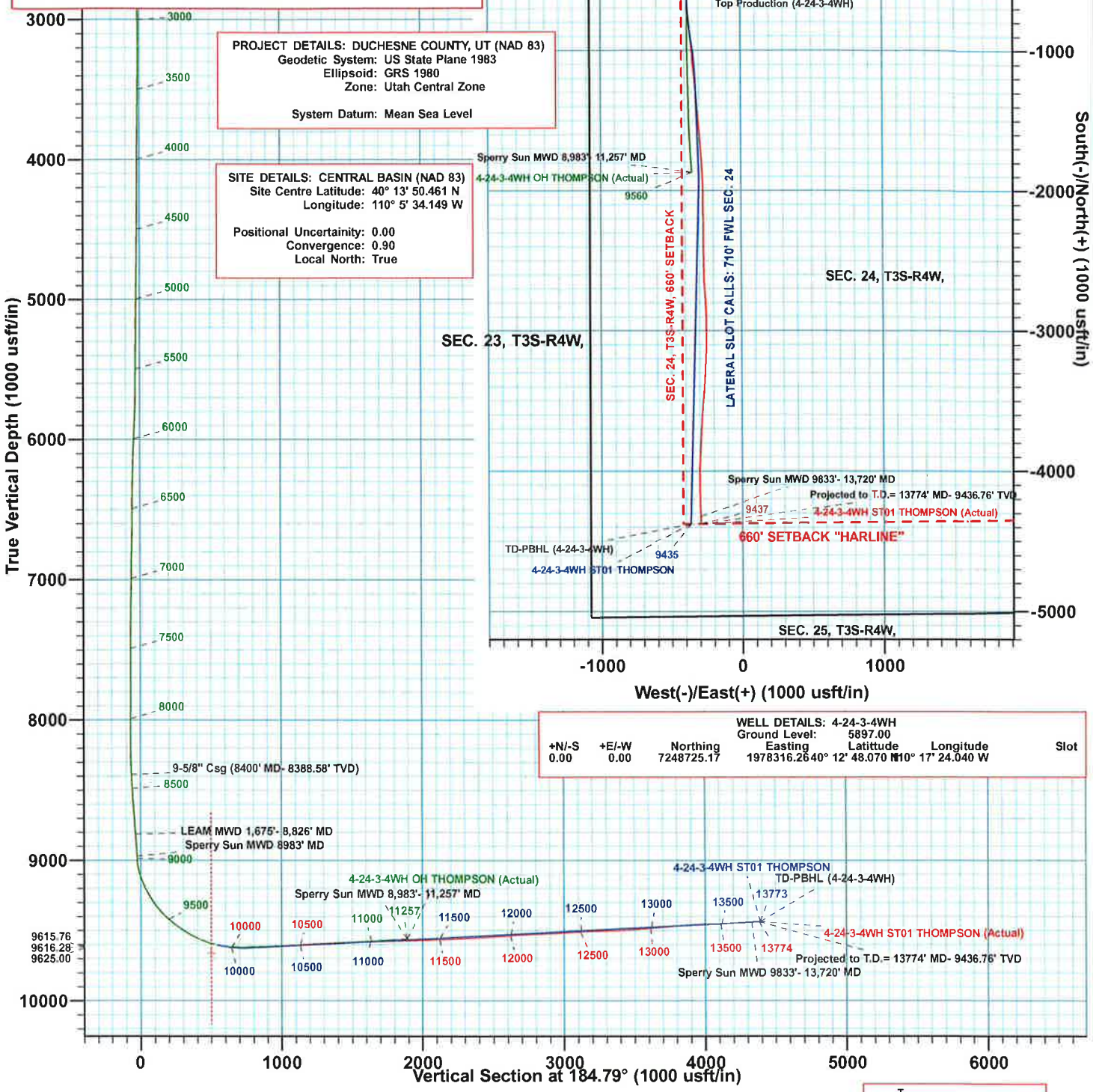
API Well Number: 43013521110000

LEAM Drilling Systems, LLC
FOR
NEWFIELD EXPLORATION ROCKY MOUNTAINS
WELL: 4-24-3-4WH ST01-W10"THOMPSON" (PLAN: Rev00)
SEC. 24, T3S-R4W, DUCHESNE COUNTY, UTAH
RIG: PIONEER 44 (KB= 26')
DATE: NOVEMBER 06, 2013
AS-DRILLED WELL vs PROPSED WELL PLOT



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

System Datum: Mean Sea Level

SITE DETAILS: CENTRAL BASIN (NAD 83)
Site Centre Latitude: 40° 13' 50.461 N
Longitude: 110° 5' 34.149 W

Positional Uncertainity: 0.00
Convergence: 0.90
Local North: True

WELL DETAILS: 4-24-3-4WH
Ground Level: 5897.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7248725.17	1978316.26	40° 12' 48.070 N	110° 17' 24.040 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
9896.00	78.04	179.93	9605.05	-511.17	-383.25	0.00	0.00	541.40	
9927.00	80.04	179.68	9610.94	-541.60	-383.15	6.50	-7.02	571.72	
9978.00	82.60	179.80	9618.64	-592.01	-382.92	5.02	2.66	621.93	
10143.92	93.00	175.00	9625.00	-757.36	-375.39	6.90	-24.89	786.07	
10310.36	93.00	170.00	9616.28	-922.10	-353.70	3.00	-89.87	948.42	
10320.36	93.00	170.00	9615.76	-931.93	-351.96	0.00	0.00	958.08	
10586.66	93.00	178.00	9601.80	-1196.20	-324.19	3.00	89.79	1219.10	
11261.66	93.00	178.00	9566.47	-1869.86	-300.66	0.00	0.00	1888.44	
11381.49	93.00	181.60	9560.20	-1989.51	-300.25	3.00	89.91	2007.64	
13773.19	93.00	181.60	9435.03	-4377.00	-366.94	0.00	0.00	4392.35	TD-PBHL (4-24-3-4WH)

Azimuths to True North
Magnetic North: 11.22°

Magnetic Field
Strength: 52007.1snT
Dip Angle: 65.82°
Date: 10/23/2013
Model: BGGM2013

Plan: 4-24-3-4WH ST01 THOMPSON (4-24-3-4WH/4-24-3-4WH ST01 THOMPSON)
Created By: LEAM DRILLING SYSTEMS Date: 7:11, November 06 2013

Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
11/13/2013	11/14/2013	Testing Rock water Flow back

Start Time	End Time	Comment
07:00	07:30	Safety meeting for Rigging up BOP Stack
07:30	00:00	Test BOP, Rigging up Flowback and spotting tanks. MIRU Mountain States Rig. B.O.P stack test good. We are currently testing the Rock Water flowback iron and equipment . Newfield's testing procedures at a 250 psi low/high 10,000 psi

Report Start Date	Report End Date	24hr Activity Summary
11/14/2013	11/15/2013	P/U overshot & 2-3/8 Tube

Start Time	End Time	Comment
00:00	10:00	Testing Rock Water flowback iron and equipment Newfield's testing procedures at a 250 psi low/high 10,000 psi
10:00	13:00	P/U (4-3/8 overshot W/Ext Bowl OD-3-3/8, ID-1-3/8" L-6.37,) (XO 2-3/8" Reg X 2-3/8" IF OD-3-3/4" ID-1" L-1.02,) (2-3/8" Reg Drain Sub OD-3-1/8" ID-1" L-0.52,) (2-3/8 Reg Float Sub OD-3" ID-1-1/2" L-2.02,) (2-3/8 Reg Float Sub OD- 3-1/16" ID-1-1/2" L-1.73,) (Allionce Bumper Sub OD-3-1/8" ID-1' L-8.01) (Allionce Jar OD_3-1/8 ID-1" L-10.83) (XO 2-3/8 PH6 X 2-3/8" Reg OD-2-15/16" ID-1" L-0.92) (2-3/8" PH6 Pup JT OD-2-29/32 ID-1-13/16 L-9.43) (R-N Nipple OD-2-29/32 ID-1-13/16 L-0.83) RIH Fish out W,C,T Bridge Plug P/U 2-3/8 PH-6 Tagged fish @ 13:15 @ 2526' / joint 80 all the way in, picked up joint 81 installed TIW. Pulled 40k on fish and fired jars. Still jarring on fish.
13:00	16:00	We are rigging up swivel to be able to circulate while we are jarring on Fish.
16:00	17:00	Jarring on Fish again and circulating.
17:00	20:00	Back to jarring on fish and pumping @ 2bbls/min @ 500psi. Jans go of at 35,000 over fish came loose gain 2,000 weight. Going POOH standing 2-3/8 PH-6 tub in deck look at fish. JW Wire Line on way out look tools
20:00	22:00	POOH 80 jts stanging tubing in deck w/ fish. Everything but the plug.
22:00	00:00	P/U RIH Knight On/Off Tool OD- 3-5/8" ID-2-13/16 L-1.74) (XO 2-3/8" Reg X 2-7/8 eue OD-3-1/8" ID-1-1/2" L-1.23) (2-3/8" Reg Float Sub OD-3" ID- 1-1/2" L- 2.02) (2-3/8" Reg Float Sub OD-3-1/6" ID- 1-1/2" L- 1.73) (Allionce bumper Sub OD-3-1/8 ID- 1" L-8.01) (Allionce Jar OD-3-1/8 ID-1" L- 10.83) (XO 2-3/8" PH6 X 2-3/8" Reg OD- 2-15/16 ID-1" L-0.92) (2-3/8" PH6 Pup JT OD- 2-29/32 ID-1-33/41 L-9.43) (RN Nipple OD- 2-29/32 ID -1-33/41 L-0.82)

Report Start Date	Report End Date	24hr Activity Summary
11/15/2013	11/16/2013	RU JW wire line RIH GR & CBL tools

Start Time	End Time	Comment
00:00	05:00	RIH w/On/Off Tool to 2,526' P/U swivel stated cir 2 bpm @ 500 psi, wash down 2 jts plug is not there lay back swivel. RIH w/On/Off Tool. Chasing plug down hole have 119 jts in @ 3,729" no plug filling tube every 30 jts. Waiting Runners delivered 2-3/8 PH6 working string. Runners delivered 337 jts 2-3/8" PH6 work string.
05:00	11:00	Currently; We are @ 6972ft / joint 225 with 2-3/8" P110/PH6 w/ KOT Retrieving Tool to RIH to latch plug (OD- 3-5/8" ID-2-13/16 L-1.74) (XO 2-3/8" Reg X 2-7/8 EUE OD-3-1/8" ID-1-1/2" L-1.23) (2-3/8" Reg Float Sub OD-3" ID- 1-1/2" L- 2.02) (2-3/8" Reg Float Sub OD-3-1/6" ID- 1-1/2" L- 1.73) (Alliances bumper Sub OD-3-1/8 ID- 1" L -8.01) (Alliances Jar OD-3-1/8 ID-1" L- 10.83) (XO 2-3/8" PH6 X 2-3/8" Reg OD- 2-15/16 ID-1" L-0.92) (2-3/8" PH6 Pup JT OD- 2-29/32 ID-1-33/41 L-9.43) (RN Nipple OD- 2-29/32 ID-1-33/41 L-0.82). Breaking circulation @ 2bbls/min. Mountain States is tallying pipe at moment. CSI is continuing to clean & drift the remainder of the 337jts of 2-3/8" P110 PH6 work string.

API well Number: 43013521110000

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
11:00	14:00	Currently; We are @ 10,376ft / joint 335 with 2-3/8" P110/PH6 w/ KOT Retrieving Tool to RIH to latch plug (OD- 3 -5/8" ID-2-13/16 L-1.74) (XO 2-3/8" Reg X 2-7/8 EUE OD-3-1/8" ID-1-1/2" L-1.23) (2-3/8" Reg Float Sub OD-3" ID- 1-1/2" L- 2.02) (2-3/8" Reg Float Sub OD-3-1/6" ID- 1-1/2" L- 1.73) (Alliances bumper Sub OD-3-1/8 ID- 1" L -8.01) (Alliances Jar OD-3-1/8 ID-1" L- 10.83) (XO 2-3/8" PH6 X 2-3/8" Reg OD- 2-15/16 ID-1" L-0.92) (2-3/8" PH6 Pup JT OD- 2-29/32 ID-1-33/41 L-9.43) (RN Nipple OD- 2-29/32 ID-1-33/41 L-0.82). We have not seen any indication that we have tagged the plug, 65k Slack-off / 78k Pickup. We will continue RIH. Breaking circulation @ 2bbls/min @ 0 psi / 7bbls pumped. Mountain States is tallying pipe at moment. CSI is continuing to clean & drift the remainder of the 337jts of 2-3/8" P110 PH6 work string.
14:00	16:00	Currently; We are @ 11769" / Joint 380, 2-3/8" P110/PH6 w/ KOT Retrieving Tool to RIH to latch plug (OD- 3-5/8" ID-2-13/16 L-1.74) (XO 2-3/8" Reg X 2-7/8 EUE OD-3-1/8" ID-1-1/2" L-1.23) (2-3/8" Reg Float Sub OD-3" ID- 1-1/2" L- 2.02) (2-3/8" Reg Float Sub OD-3-1/6" ID- 1-1/2" L- 1.73) (Alliances bumper Sub OD-3-1/8 ID- 1" L- 8.01) (Alliances Jar OD-3-1/8 ID-1" L- 10.83) (XO 2-3/8" PH6 X 2-3/8" Reg OD- 2-15/16 ID-1" L-0.92) (2-3/8" PH6 Pup JT OD- 2-29/32 ID-1-33/41 L-9.43) (RN Nipple OD- 2-29/32 ID-1-33/41 L-0.82). Mountain States is tallying pipe. Circulating @ 2bbls/min @ 0 psi, pumped 7bbls..
16:00	19:00	Currently; We are @ 13,166" / Joint 424. Tag P/U 20 ft RIH tag @ 13,166 Plan Forward: Rig up to Circulating & Continue RIH with 2-3/8" PH6 RIH w/ KOT Retrieving tool to latch plug or push it to bottom.
19:00	22:00	Currently; We are @ 13,615 / Joint 439. Tag P/U 20 ft RIH tag @ 13,615 Circulating pumping 2.bpm @ 200 psi working tube up & down tag @ 13,615 Plan Forward: P/U swivel Circulating bottoms up Continue RIH with 2-3/8" PH6 RIH w/ KOT Retrieving tool to latch plug or push it to bottom.
22:00	00:00	Currently; Fishing for WCT, bridge Plug. We are @ 13,615" / Joint 439. Tag Circulating pumping 2.bpm @ 200 psi @ 13,615. Fish stop working up & down. We p/u 10ft couldn't go down we p/u 20ft couldn't go down. Lay down swivel. Start POOH w/fish lay down 2-3/8' work string.

Report Start Date	Report End Date	24hr Activity Summary
11/16/2013	11/17/2013	RIH GR & CBL

Start Time	End Time	Comment
00:00	10:15	Currently; POOH w/fish have 121 jts 2-3/8 PH-6 Lay down. 318 jts in hole Plan Forward: POOH w/ KOT Retrieving tool We have retrieved the RBP and laid down the RBS Fishing String. We are waiting on Wireline to run gauge ring and CBL...
10:15	12:15	Rigging Annular and spools off BOP stack so that JW can rig up once they arrive on location.
12:15	17:00	Ran in hole with a 4.5" Gauge ring and made it to 9864'ft. POOH and make a CBL run.
17:00	19:00	Currently; RIH w/CBL to 9,843" POOH 1,000' ft w/0 psi Correlate tool w/gamma on mud log. RIH 9,843" pressure up 1,000" psi on csg Started POOH logging @ 60 ft/min. Currently logging well. Plan Forward: Once CBL is complete we will Rig up HES Pumps and Open RSI and get injection rate.
19:00	00:00	CBL Tool stop working @ 7,640" POOH to 2,600"ft recalibrate CBL Tool, RIH Started POOH logging 7,640 @ 60 ft/min. Currently logging well.

API Well Number: 4301352111 0000
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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

API well Number: 4301352111 0000

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
11/17/2013	11/18/2013	WL CBL & Rig Up HES Pump

Start Time	End Time	Comment
00:00	04:00	Currently: Log complete, all tools recovered. Secure well. RDMO J-W wireline.
04:00	06:00	MIRU Halliburton.
06:00	11:30	Thompson 4-24-3-4WH 11-17-2013 @ 11:30 am Currently: While trying to test casing we were pressuring up at .7bpm when pressure got to 6602psi the RSI opened and psi fell to 3650psi. We increased rate to 8bpm @ 4665psi, 10bpm @ 5190psi & 14.7bpm @ 6695psi at 56bbls in the pressure spiked to 8841psi and pumps kicked out. We let pressure fall to 4000psi and got back into it and started pumping 20bbls of 15% acid @ 2.6bpm @ 7700psi after 20 mins pressure broke back to 3687psi. Increased rate to 8.7bpm @ 4030 psi for 8 mins, Increased rate to 12.5bpm @ 4280psi for 5 mins, increase rate to 15.2bpm @ 4535psi. When Acid hit RSI pressure fell 100psi to 4435psi we displaced acid 20bbls over. We pumped a total of 325bbls including the 20bbls of 15% Acid. @ 10:40; We shut down pumps and ISIP @ 3640psi, 5mins @ 3476psi, 10mins @ 3381psi & 15mins @ 3306psi. @ 10:55; Closed HCR. @ 11:20; Started rigging down HES & Mountain States
11:30	18:00	HES Pumping have rigged down and moved off location... Mountain States has rigged down and will move off location tomorrow. SDFN
18:00	00:00	Did not work after 1800.

Report Start Date	Report End Date	24hr Activity Summary
11/18/2013	11/19/2013	Rig down and move off Mountain States equipment & Get location ready for Frac.

Start Time	End Time	Comment
00:00	00:00	Moving Mountain States equipment off location. Getting location ready fro Frac Job.

Report Start Date	Report End Date	24hr Activity Summary
11/19/2013	11/20/2013	Move water and fill brine tank.

Start Time	End Time	Comment
00:00	18:00	Moved 2 Rain for Rent Tanks. Transfer 3% KCL from Flowback tanks to Frac Tanks...
18:00	00:00	Shut Down For Night

Report Start Date	Report End Date	24hr Activity Summary
11/20/2013	11/21/2013	Haul off flowback water & transfer water from staging pad to working pad.

Start Time	End Time	Comment
00:00	00:00	Getting rid of Flowback water and moving Frac water down to working pad.

Report Start Date	Report End Date	24hr Activity Summary
11/21/2013	11/22/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	Catch up cost while on hold

Report Start Date	Report End Date	24hr Activity Summary
11/22/2013	11/23/2013	Waiting on Frac

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NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

API Well Number: 4301352111 0000

Start Time	End Time	Comment
00:00	00:00	Location secured, waiting on Halliburton from nearby location to set-up for frac/wireline.

Report Start Date	Report End Date	24hr Activity Summary
11/23/2013	11/24/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	Location secured, waiting on Halliburton from nearby location to set-up for frac/wireline.

Report Start Date	Report End Date	24hr Activity Summary
11/24/2013	11/25/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	Location secured, waiting on Halliburton from nearby location to set-up for frac/wireline.

Report Start Date	Report End Date	24hr Activity Summary
11/25/2013	11/26/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	Location secured, waiting on Halliburton from nearby location to set-up for frac/wireline.

Report Start Date	Report End Date	24hr Activity Summary
11/26/2013	11/27/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	

Report Start Date	Report End Date	24hr Activity Summary
11/27/2013	11/28/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	Location secured, waiting on Halliburton from nearby location to set-up for frac/wireline.

Report Start Date	Report End Date	24hr Activity Summary
11/28/2013	11/29/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	Location secured, waiting on Halliburton from nearby location to set-up for frac/wireline.

Report Start Date	Report End Date	24hr Activity Summary
11/29/2013	11/30/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	12:00	Location secured, waiting on Halliburton from nearby location to set-up for frac/wireline.
12:00	18:00	Hot oiler on location to bring tank temperature up.
18:00	00:00	

Report Start Date	Report End Date	24hr Activity Summary
11/30/2013	12/1/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	06:00	
06:00	00:00	Heated tanks to 110 degrees before transfering to frac tanks. Oil States International scheduled to arrive at daylight to RU isolation tool.

Report Start Date	Report End Date	24hr Activity Summary
12/1/2013	12/2/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	00:00	Heated tanks to 110 degrees before transfering to frac tanks.

Report Start Date	Report End Date	24hr Activity Summary
12/2/2013	12/3/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	13:00	Heating Frac tanks on transfer pad. Waiting on Oil Statres to show up with isolation tool.
13:00	18:00	Oil States on location to RU isolation tool. Isolation tool is stung in and sealed at 17:15.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
18:00	20:00	Currently; B&C Quick Test has tested Rockwater's flowback iron to Newfield's testing procedures, (Tested Good). HES is here rigging up their Pump down iron. JW is on the way to location. Hot Oilers are heating up our tanks. Still have 7 more tanks we are filling up on staging pad at moment.
20:00	00:00	HES is rigged up & ready for the pump down. JW is here and spotting truck. We will have safety meeting once truck is spotted. Hot Oilers are heating up our tanks. Still have 5.5 tanks to finish filling up on staging pad.

Report Start Date	Report End Date	24hr Activity Summary
12/3/2013	12/4/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	16:00	Rigging up JW & HES to Perf stage 1. Had to wait on JW to get correct tree connection & lifting slings. Still rigging up WL. Had to get a Gamma ray tool on location to log the well from the RSI.
16:00	18:00	Started logging the well after shooting stage one perfs.
18:00	00:00	Wireline is rigged down and gone. HES is rigged down and gone as well. We are heating the tanks and filling tanks. Plan Forward; Wait on frac crew to get here to RU and start to frac.

Report Start Date	Report End Date	24hr Activity Summary
12/4/2013	12/5/2013	Waiting on Frac

Start Time	End Time	Comment
00:00	14:00	Heating Frac Tanks and hauling in water to fill tanks
14:00	18:00	Halliburton MIRU frac equipment
18:00	00:00	We are still heating the tanks with one hot oiler on the frac pad. The Hot Oiler will be done heating the remainder of the frac tanks at around 22:00 tonight. Halliburton will have all the frac equipment on location except for the chemical trucks. The Chemical trucks will be here early in the morning. Halliburton will get all the equipment they have here spotted in and some of the frac iron laid. We will finish RU the frac in the morning and get started pumping in the morning. Heating Tanks all night.

Report Start Date	Report End Date	24hr Activity Summary
12/5/2013	12/6/2013	Frac Stage 1

Start Time	End Time	Comment
00:00	16:00	Held PJSM with everybody on location. Halliburton will finish RU the frac equipment this morning and get started pumping. We are still heating tanks on the transfer pad. Halliburton Had issues with starting equipment.
16:00	17:30	Frac stage #1 to design flush went as planned
17:30	00:00	Hauling water to staging pad and heating tanks.

Report Start Date	Report End Date	24hr Activity Summary
12/6/2013	12/7/2013	Continue Fracing

Start Time	End Time	Comment
00:00	06:00	Heating Frac Tanks and filling tanks to be prepaired for Frac in the morning.

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NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
06:00	11:00	Held PJSM and J-W Wireline has had some issues getting there gun to work. Plus, issues with thier crane. Everybody was on location at 05:30.
11:00	16:00	Took the night cap off and stabbed the wireline lubricator on the top of the well @ 11:00 We had problems with the wireline shive lining up. Then we tide into the SJ at 9323ft. Then we started the pump down at 3bpm walking it up to 17.7bpm. LT was 1200, LS 190, PSI 4350. At 11022ft LT then the LT was all over the place from 900-1250 fpm. we shut down and pulled up to see if we could see anything on the LT didnt see any thing. So, we started the pumpdown again made it 12220ft same thing as before. We then we Started the pump down proceedure again couldnt get LS past 25fpm got down to 12142ft. We decided to come out of the hole at that point so we can look at the plug and the perf guns.
16:00	18:00	POOH with the plug and perf gun
18:00	00:00	WL Lube is frozen on the well... We are trying to defrost and get WL Tools off the Well. We have called Torque Wrenchs out to pull flange apart below BOP to get Tools out. Let crews go home for the night they will be back at 5am to start again. Heating water tanks..

Report Start Date	Report End Date	24hr Activity Summary
12/7/2013	12/8/2013	Trying to P&P Stage 2

Start Time	End Time	Comment
00:00	09:00	Heating tanks and filling tanks.
09:00	15:00	Pressure tested blewout a couple of union seals on the frac iron while trying to get a good test to 9800psi. Flushed well with 365bbls of fluid at 60bpm. cleanup with 35bbls of 10lb brine. While HES was pressure testing JW they spiked on pressure and parted the line. Tool fell in the tool trap. Rigging JW down as we speak to inspect and get set back up to RIH and P & P stage 2
15:00	21:00	J-W Wireline's lubricator is on the well we will pressure test to 9800psi. Then we will do the pump down for the plug and perf for stage #2. Stage #2 RIH and pump down plug at 17 bpm, 1220# tens, 250 ft/min, and max pressure 5,350 psi. Line tension 1730 before setting plug / 1550 after set w/ 35sec, Max rate @ 19.2bpm, Max Psi @ 5150, Total pumped @ 900bbls. Set HES 5 ½" 10K Obsidian frac plug w/ Baker 20 setting tool and slow burning charges at 13,520'. Perforated with 3 x 2 ft guns x 3 1/8", 6 SPF, 180 degree phasing, 21 gram Titan EXP-3319-322T(RDX) charges. Perfs at 13,484'- 85.5', 13,417'- 18.5', and 13,356'- 57.5', POOH. All shots fired. Lay down Tools.... SDFN..... We hit a couple of tight spots but had no problem getting down. We will drop ball in the Morning!!!!!!!!!!
21:00	00:00	Heat Frac Tanks

Report Start Date	Report End Date	24hr Activity Summary
12/8/2013	12/9/2013	Frac stages 3

Start Time	End Time	Comment
00:00	07:00	Heating and filling tanks
07:00	08:00	Held PJSM with everybody on location and started getting ready for stage two frac.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
08:00	10:30	Pumped the frac for stage two to design. Had problems getting started due to the cold weather.
10:30	14:30	Wireline made up tool string and plug for stage three. Prtessure tested to 9800psi. Perform the pump down on stage three plug and gun.
14:30	17:30	Started frac on Stage #3 @ 15:45 done with the frac @ 17:10.
17:30	00:00	Shut down operations due to high winds. Continue filling and heating frac tanks.

Report Start Date	Report End Date	24hr Activity Summary
12/9/2013	12/10/2013	Frac Stage 3 & 4 & 5

Start Time	End Time	Comment
00:00	06:30	Continue filling and heating frac tanks
06:30	11:30	Everybody's on location PJSM was held and wireline is getting ready to pick up the tool string for stage #4 Still filling and heating frac tanks on staging pad.We are finally going in the hole we had several leaks to fix on the iron this morning while pressure testing. We are currently at 2300 feet in the hole on the stage #4 plug and perf run. POOH with wireline and the tool string. We will get out make sure all shots fired. Stage #4 Flow Thru Plug 13,095 5.5 Halliburton 10k Obsidian. Stage # 4 Perfs are as follows, 13036-13037.5, 12950-12951.5, 12835-12836.5 the middle set of perforations should have been at 12948-12950.5 collar at 12948. Bpm 16, line speed 225, line tension 1167, pressure 4060.
11:30	14:00	Frac stage #4
14:00	16:30	POOH with wireline and the tool string. We will get out of the hole and make sure all shots fired. Stage #5 Flow Thru Plug 12790 5.5 Halliburton 10k Obsidian. Stage # 5 Perfs are as follows, 12772-12773.5, 12596-12597.5, 12510-12511.5. Bpm 14.9, line speed 220, line tension 1150, pressure 3900.
16:30	18:30	Frac Stage #5
18:30	20:00	Frac Stage 5 complete.
20:00	00:00	Continue filling and heating frac tanks.

Report Start Date	Report End Date	24hr Activity Summary
12/10/2013	12/11/2013	P&P stage 6. Frac stage 6

Start Time	End Time	Comment

Report Start Date	Report End Date	24hr Activity Summary
12/11/2013	12/12/2013	Frac stages 7-10

Start Time	End Time	Comment
00:00	00:30	Finish fracing stage 6

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
00:30	03:30	P&P stage 7. 0025 - Pressure test and RIH with Wireline tools. 0225 - Correlate wireline to short jt @ 9298' to 9310'. 0250 - Set plug and perf well. 0300 - Salt the lines and tree and begin POOH with wireline and the tool string. We will get out of the hole and make sure all shots fired. Stage #7 Flow Thru Plug 12,262 5.5 Halliburton 10k Obsidian. Stage # 7 Perfs are as follows, 12278-12279.5, 12242-12243.5, 12,201-12202.5. Bpm 15.1, line speed -165, line tension -1025, pressure 4102. Total bbls used for pump down - 251. Line Tension before plug set @ 1227 & Line Tension after plug set @ 1113 / 55 seconds.
03:30	06:30	Frac Stage 7
06:30	10:00	Had a miss fire on clusters 2 and 3. POOH to fix the problem. OOH we confirmed plug is set and first cluster fired. Clusters 2 and 3 did not fire.
10:00	12:00	We will fix cluster 2 and 3 put on a pump down sub and RIH to finish perforating stage #8. Had to wait on pump down sub to get to location from J-W Wirelines shop it showed up at 11:45.
12:00	14:30	Pick up tool string with clusters 2 and 3 and the pump down sub to finish perforating stage #8. We will pressure est to 9800psi for 5 minutes and then finish the pump down on stage #8.
14:30	18:00	Frac stage #8. Started frac on stage 8 at 15:00. Pumped acid, 100mesh and .75ppa. Halliburton sanded off the T-belt. Started back up pumped 240bbls shut down to regen the growler. Started back up at 17:16 after the growler went thruogh the re-gen cycle. 1740-Stage 8 frac complete. All sand placed on foemation and flushed as per design.
18:00	23:00	Change out Oil States Lubricator and rig up JW wireline lubricator. Rehead wireline. 2100pm-Begin RIH with P&P. Current Operations: We will get out of the hole and make sure all shots fired. Stage #9 Flow Thru Plug 11,986. 5.5 Halliburton 10k Obsidian. Stage # 9 Perfs are as follows, 11996-11997.5, 11,950-11,951.5, 11,878-11,879.5. Bpm 14.7, line speed 151, line tension 1070, max pressure 4421. Max rate-14.9. Total bbls pumped-260.
23:00	00:00	Begin fracing stage 9

Report Start Date	Report End Date	24hr Activity Summary
12/12/2013	12/13/2013	Frac stages 11-12

Start Time	End Time	Comment
00:00	01:00	Finish fracing stage 9. All sand placed on formation as per frac design and wellbore flushed as per frac design.
01:00	04:30	Rih up wireline. Rih and correlate to the short jt. Stage #10 Flow Thru Plug 11,850. 5.5 Halliburton 10k Obsidian. Stage # 10 Perfs are as follows, 11820-11821.5, 11,760-11,761.5, 11,698-11,699.5. Bpm 15.9, line speed 188, line tension 1160 max pressure 4519. Max rate-15.9. Total bbls pumped-209.
04:30	06:30	Frac stage 10

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
06:30	09:30	J-W Wireline is picking up tool string for stage #11 and getting the lubricator on the well. We will pressure test lubricator to 9800psi. Then we will perform the pump down on stage #11. J-W Wireline is POOH. Everything looked good we will get OOH and confirm all shots were fired. Stage #11 Flow Thru Plug 11646. 5.5 Halliburton 10k Obsidian. Stage # 11 Perfs are as follows, 11650-11651.5, 11,550-11551.5, 11,470-11471.5. Bpm 14.9, line speed 220, line tension 1220 max pressure 4540. Max rate-14.9. Total bbls pumped-312. OOH at 09:45. Hand the well over to frac
09:30	12:00	frac stage #11
12:00	16:00	J-W Wireline is picking up the tool string to do the plug and perf for stage #12. J-W Wireline is POOH. Everything looked good we will get OOH and confirm all shots were fired. Stage #12 Flow Thru Plug 11450. 5.5 Halliburton 10k Obsidian. Stage # 12 Perfs are as follows, 11420-11421.5, 11,368-11369.5, 11,328-11329.5. Bpm 15.1, line speed 234, line tension 1154 max pressure 4200. Max rate-15.1. Total bbls pumped-278. Then we will frac stage #12. OOH with wireline at 16:00
16:00	22:00	Frac stage #12 Halliburton had a pump go down on 100mesh stage so we are shut down until it is fixed so we can get rate. Halliburton swapped out 1 pump, installed a new fluid end on another pump and repacked 2 other pumps. All lines are Tested to 9500psi and we are opening wellhead right now! WH @ 3282psi..... Preparing to finish frac on stage 12. 2130 finished frac on stage 12
22:00	00:00	Rig up wireline and pressure test lubricator to 9000 psi. Went to equalize over. Ball valve was shut on the manifold to the lubricator. The test truck showed 3350 on the chart, but Haliburtons computer nebver showed pressure from the transducer on the frac stack. The result was the tools were sling shotted up the lubricator and the line was cut when oil states opened the valve. The tools were dropped on the tool trap and all tools were recovered after laying the lubricator down. 2300pm-Current operations-Reheading wireline and sliding tools back into the Lubricator. JW Wirelines management is on the way to location to investigate the incident.

Report Start Date	Report End Date	24hr Activity Summary
12/13/2013	12/14/2013	Frac stages 13-16

Start Time	End Time	Comment
00:00	03:00	Rigged down the oil states frac head. Got all of the pieces off of the valve. Rigged back up. Reheaded wireline and picked up new tool string. 0220am-Currently making up lubricator and preparing to Test same.
03:00	06:00	0305- Begin running in well with plug and perf guns. 0445- J-W Wireline is POOH. Everything looked good we will get OOH and confirm all shots were fired. Stage #13 Flow Thru Plug 11305. 5.5 Halliburton 10k Obsidian. Stage # 13 Perf with 3-1/8", 6 SPF, 60 deg phasing Titan EXP-3319-322T(RDX) charges as follows, 11264-11265.5, 11,230-11231.5, 11,178-11179.5. Bpm 16.1, line speed 192, line tension 1040 max pressure 4507. Max rate-16.1. Total bbls pumped-147. Then we will frac stage #13.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
06:00	08:00	Frac stage #13. 1. Global Kick Outs set at 9500 psi. Pressure tested to 9500 psi. Job pumped with 3% KCl produced water. 2. Calculated 24 holes open, 465 psi perf friction, 188 psi NWB as per Fracpro. 3. Had pump that wouldn't shift out of first gear. Dropped rate on pad to reduce pressure and try and get pump into higher gears. 4. Unable to get rate with pump issues. Displaced 100 Mesh and shut down to fix pump. Down ~4 hours fixing pumps/ 5. Blender died shortly after resuming pad. It was recovered quickly then died again during 3 ppg and was recoverd very quickly and sand was resumed. I then had a bobble during 6 ppg RCP which it was able to recover from without dieing. 6. Well was successfully flushed with all proppant placed. 7. Losurf pump died during stage resulting in a higher then normal variance. Ball Seat Stage Pressures and Rate: 4302 psi @ 14.76 bpm , 4183 psi Pressure before Seating , 4323 psi Pressure after Seating WG-36-4.8% (155.1), BC-200-3.6% (8.4), BA-20-7.1% (1.4), CL-31-7.1% (2.3) BA-40-7.1% (9.2), MX 2-2738 -9.4% (4.1) Losurf 300D-30.3% (44.3)
08:00	11:00	Stage #14: 5 ½" Halliburton 10k Obsidian Flow Thru Plug set at 11,168'. Stage # 14 Perfs are as follows, 11144-11145.5, 11,104-11105.5.5, 11,068-11069.5. Bpm 14.8, line speed 243, line tension 990, Max pressure 4300, Max rate-15, Total bbls pumped-243. POOH. All shots fired. All tools recovered.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
11:00	13:00	Frac stage #14. 1. Global Kick Outs set at 9500 psi. Pressure tested to 9500 psi. Job pumped with 3% KCl produced water. 2. Calculated 27 holes open, 366 psi perf friction, 0 psi NWB as per Fracpro. 3. Good job execution by crew. Pumped per design. Ball Seat Stage Pressures and Rate: 4423 psi @ 16.5 bpm , 4243 psi Pressure before Seating , 4446 psi Pressure after Seating WG-36-8.7% (127.9), BC-200-2.7% (3.4), BA-40-16.7% (11.5), Scalesorb 7-2.8% (7.7), Optiflo II-3.9% (1.5), Losurf 300D-11.7% (10.1) SP Breaker-4.4% (1.3), Optiflo H T E-4.3% (1.8),
13:00	15:30	Stage #15: 5 ½" Halliburton 10k Obsidian Flow Thru Plug set at 11,040'. Stage # 14 Perfs are as follows, 11,020'-11,021.5'; 10,968-10,969.5; 10,898-10899.5. Bpm 14.7, line speed 240, line tension 980, Max pressure 4100, Max rate-15, Total bbls pumped-119. All shots fired. All tools recovered.
15:30	17:30	Stage # 15
17:30	20:00	Stage 16 / J-W Wireline is POOH. Stage #16: 5 ½" Halliburton 10k Obsidian Flow Thru Plug set at 10,850' / Line Ten before set 1040 / line Tension after 970 @ 55 secs. Stage # 16 Perfs are as follows, 10,822'-10,823.5'; 10,750-10,751.5; 10,663-10,664.5. Bpm 15.1, line speed 270, line tension 1010, Max pressure 4008, Max rate-15.1, Total bbls pumped-229. Will check that all shots fired then frac stage #16.
20:00	21:30	Frac Stage 16
21:30	00:00	J-W Wireline is POOH. Everything looked good we will get OOH and confirm all shots were fired. Stage #17 Flow Thru Plug 10,629. 5.5 Halliburton 10k Obsidian. Stage # 17 Perf with 3-1/8", 6 SPF, 60 deg phasing Titan EXP-3319-322T(RDX) charges as follows, 10,602-10,603.5, 10,554-10,555.5, 10,506-10,507.5. Bpm 16.1, line speed 214, line tension 1000 max pressure 4026. Max rate-16.1. Total bbls pumped-60. Then we will frac stage #17.

Report Start Date	Report End Date	24hr Activity Summary
12/14/2013	12/15/2013	Frac stages 17-20

Start Time	End Time	Comment
00:00	01:30	Frac stage 17
01:30	03:30	P&P Stage 18 ; J-W Wireline is POOH. Everything looked good we will get OOH and confirm all shots were fired. Stage #18 Flow Thru Plug 10,460. 5.5 Halliburton 10k Obsidian. Stage # 18 Perf with 3-1/8", 6 SPF, 60 deg phasing Titan EXP-3319-322T(RDX) charges as follows, 10,432-10,433.5, 10,370-10,371.5, 10,332-10,333.5. Bpm 16, line speed 222, line tension 1005 max pressure 4222. Max rate-16. Total bbls pumped-64. Then we will frac stage #18. Line Tension before set plug@1105 / Line tension after @ 990, 1min 24 secs to set Plug..

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
03:30	05:30	Frac Stage 18
05:30	08:00	Stage #19 51/2" Halliburton 10k Obsidian plug set at 10,294'. Perf with 3-1/8", 6 SPF, 60 deg phasing Titan EXP -3319-322T(RDX) charges as follows, 10,267'-10,268', 10,224'-10,226', 10,181'-10,183'. Bpm 14.9, line speed 205, line tension 1000 max pressure 4003. Max rate-14.9. Total bbls pumped-75. All shots fired. All tools recovered.
08:00	12:30	Stage #19 Water trucks were diverted to Jorgenson to haul water off as well was flowing. 2.5 hrs consolodating tank bottoms for enough water to frac. 1. Global Kick Outs set at 9500 psi. Pressure tested to 9500 psi. Job pumped with 3% KCl produced water. 2. Calculated 27 holes open, 35 psi perf friction, 0 psi NWB as per Fracpro. 3. Very small indication of ball seating. Pumped 20 over displacement and proceeded with stage. Ball Seat Stage Pressures and Rate: 4223 psi @ 12.1 bpm , 4088 psi Pressure before Seating , 4223 psi Pressure after Seating WG-36-3.4% (44.9), BA-20-10.3% (1), BA-40-5.9% (4.9), Scalesorb 7-4.4% (12.1), Optiflo II-4.8% (3.6), Losurf 300D-6.6% (5.3) Optiflo H T E-4.1% (2.4),
12:30	14:30	Stage #20 5 1/2" Halliburton 10k Obsidian plug set at 10,165'. Perf with 3-1/8", 6 SPF, 60 deg phasing Titan EXP-3319-322T(RDX) charges as follows, 10,148'-10,150', 10,098'-10,100', 10,048'-10,1050'. Bpm 14.7, line speed 225, line tension 1010 max pressure 4225. Max rate-15. Total bbls pumped-73. All shots fired. All tools recovered.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
14:30	16:30	Stage #20 1. Global Kick Outs set at 9400 psi. Pressure tested to 9433 psi. Job pumped with 3% KCl produced water. 2. Calculated 27 holes open, 61 psi perf friction, 291 psi NWB as per Fracpro. 3. Lost suction on blender briefly on 0.75# sand. Dropped rate to help get suction back and opened valve more to feed blender from hydration unit and got tub back. 4. Fought pumps during stage. Started to lose one on 1#. Ran it as long as we could. Ball Seat Stage Pressures and Rate: 4952 psi @ 15.6 bpm , 4512 psi Pressure before Seating , 4923 psi Pressure after Seating BC-200-4.1% (5.2), BA-20-10.2% (1.1), CL-31-8% (1.4) BA-40-3.5% (3.1), Scalesorb 7-5.5% (15.9), Optiflo II-9.9% (8.2), Optiflo H T E-8.7% (4.9),
16:30	00:00	Ran in well with JW Wireline to set 1st kill plug. Tag up on some obstruction @ 4545 WLM. Bird nested the wireline spool. Closed the grease tubes tight on the wireline. Spooled wire back straight on the drum. Released grease tubes and pulled out of well with tools. All tools recovered. Currently-JW wireline Has laid down the lubricator and cut the wireline off of the tool string. They are going to spool off 5000' of wireline and then rehead. @ 21:15 / WL has picked up the Lube and we are getting ready to test & RIH. @ 22:45 / WL Tagging up on heavy fluid, WL is RIH at 78ft min

Report Start Date	Report End Date	24hr Activity Summary
12/15/2013	12/16/2013	Run Kill Plugs

Start Time	End Time	Comment
00:00	03:30	Thawed out wireline truck and ran in the hole to 9100' Wlm to get on depth. Pulled back up to 9020 and set plug. LT-1450 before setting plug. After plug set line tension was 1370. Took 50 seconds for charge to set plug.\ 0035 begin POOH with wireline and bleeding on 10 choke. Starting pressure was 3062. Currently the well is bled down to zero. Set 2nd Kill Plug @ 8970'
03:30	08:00	Rig JW Wireline down.... Also rig Stinger off WH. HES is rigged down and oput of the way.
08:00	18:00	Unload, clean, drift, and inspect 2 3/8" work string. Set swab tanks for drill out. Set brine tank. NU annular preventer. Test BOP stack per Newfield pressure testing guidelines. 250 psi low/ 10000 psi high.

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Start Time	End Time	Comment
18:00	00:00	Continue to clean and drift tbng. 1900pm- Finish testing stack and winterizing stack and flowback. 2230-Finish inspecting workstring. Wait on Workover rig.

Report Start Date	Report End Date	24hr Activity Summary
12/16/2013	12/17/2013	Waiting on Rig

Start Time	End Time	Comment
00:00	00:00	Waiting on Workover Rig

Report Start Date	Report End Date	24hr Activity Summary
12/17/2013	12/18/2013	Rig up rig

Start Time	End Time	Comment
00:00	08:30	Mountain States has moved in their smaller support equipment and we are waiting on Workover rig arrive in the morning.
08:30	14:30	MIRU Mountain States WOR. Spot in Weatherford pump. Rig up lines. Set catwalk and pipe racks. Set 2 3/8", 5.95#, P110, PH6 tbg on racks.
14:30	00:00	PU 4.625" OD x 1.250" ID x 1.78' L concave inserted mill, 2 3/8" PAC pin; 2.960" OD x 1" x 2.16' L double flapper bit sub, 2 3/8" PH6 box x 2 3/8" PAC box; 2.909" OD x 1.560" ID x .75' L RN nipple; 2 3/8" PH6 box and pin; 1 jt 2 3/8", 5.95#, P110, PH6 tbg; 2.909" OD x 1.710" ID x 0.64' L R nipple, 2 3/8" PH6 box and pin; and 122 jts 2 3/8", 5.95#,,P110, PH6 tbg. Break circulation every 30mins. RIH and drill out kill plugs.

Report Start Date	Report End Date	24hr Activity Summary
12/18/2013	12/19/2013	Drill Frac Plugs

Start Time	End Time	Comment
00:00	01:15	@ 00:00 Tagged up on jt 291 with 25ft stick up to put plug @ 8992' Drilled top kill plug up. Pump rate- 2.14 bbls per min. RPM-120. Up weight-56K, Dwn wght-45K, Neutral weight-50K, Weight on bit-6-8K, Free torque-1300, Drill torque-1300, Pump pressure-2500, Choke size-22/64", Flowback pressure-1000 psi, Return rate- 2.2bbls per min, Drill time 5 min, Pump 20 bbl sweep to surface. @ 00:30 Tagged up on jt 292 with 10ft stick up to put plug @ 9038 Drilled 2nd kill plug up. Pump rate- 1.65 bbls per min. RPM-120. Up weight-56K, Dwn wght-45K, Neutral wght-50K, Weight on bit-6-8K, Free torque-1300, Drill torque-1300, Pump pressure-3700, Choke size-17/64", Flowback pressure-3700 psi. Return rate-2.2 bbls per min. Drill time 30 min. Pump 20 bbl sweep to surface-total bbls pumped 111 bbls.
01:15	03:30	@ 03:17 Begin Drilling on plug 19; tagged @ jt 329, 15ft stick up to put plug @ 10178' Pump rate-1.69 bbls per min. RPM-120. Up weight-61K, Dwn weight-46K, Neutral weight- 52K, Weight on bit-6-8K, Free torque-1600. Drill torque-2100. Pump pressure-3500. Choke size-22/64", Flowback pressure- 2850 psi, Return rate-2bbls per min. Drill time 22 min. Pump 20 bbl sweep. Total bbls pumped 155.5
03:30	04:09	@ 04:04 Begin Drilling on plug 18; tagged @ jt 333, 15ft stick up to put plug @ 10301' Pump rate- 1.72 bbls per min. RPM-120. Up weight-62K, Dwn weight-48K, Neutral weight- 58K, Weight on bit-6-8K, Free torque-1600. Drill torque-1800. Pump pressure-3500. Choke size-23/64", Flowback pressure- 2600 psi, Return rate-2bbls per min. Drill time 25 min. Pump 20 bbl sweep. Total bbls pumped 220@ XXXX Begin Drilling on plug 17;

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
04:09	07:39	@ 06:05 Begin Drilling on plug 17' tagged at jt 338 with 6' stick up to put plug at 10,465' Pump rate-2 bbls per min. RPM-120. Up weight-58K, Dwn weight-52K, Neutral weight- 56K, Weight on bit-6-8K, Free torque-1800. Drill torque-2000. Pump pressure-3900. Choke size-23/64", Flowback pressure- 2550 psi, Return rate-3bbls per min. Drill time 20 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. @ 06:49 Begin Drilling on plug 16' tagged at jt 344 with 25' stick up to put plug at 10,640' Pump rate-2.5 bbls per min. RPM-120. Up weight-60K, Dwn weight-56K, Neutral weight- 54K, Weight on bit-6-8K, Free torque-1800. Drill torque-2300. Pump pressure-3100. Choke size-21/64", Flowback pressure- 2600 psi, Return rate-2.5 bbls per min. Drill time 16 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer @ 07:45 Begin Drilling on plug 15; tagged on jt #351 with 20' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-60K, Dwn weight-54K, Neutral weight- 56K, Weight on bit-6-8K, Free torque-1800. Drill torque-2300. Pump pressure-4000. Choke size-21/64", Flowback pressure- 2700 psi, Return rate-2.5bbls per min. Drill time 24 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 30' sand above plug.
07:39	10:09	@ 08:38 Begin Drilling on plug 14; tagged on jt #357 with 10' stick up Pump rate-.5 bbls per min. RPM-120. Up weight-60K, Dwn weight-52K, Neutral weight- 54K, Weight on bit-6-8K, Free torque-1400. Drill torque-2300. Pump pressure-3400. Choke size-21/64", Flowback pressure- 2500 psi, Return rate-2.5 bbls per min. Drill time 10 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 100 bbl water pumped. @ 09:27 Begin Drilling on plug 13; tagged on jt #361 with 7' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-56K, Dwn weight-48K, Neutral weight- 52K, Weight on bit-6-8K, Free torque-1400. Drill torque-2100. Pump pressure-4000. Choke size-21/64", Flowback pressure- 2500 psi, Return rate-2.5 bbls per min. Drill time 25 min. Pump 20 bbl sweep, Pumping 1/4 gal per hr of FR / Polymer. 48 bbl water pumped.
10:09	11:39	@ 10:05 Begin Drilling on plug 12; tagged on jt #365 with 20' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-54K, Dwn weight-48K, Neutral weight- 52K, Weight on bit-6-7K, Free torque-1400. Drill torque-2100. Pump pressure-3900. Choke size-21/64", Flowback pressure- 2400 psi, Return rate-2.5 bbls per min. 21/64 choke. Drill time 16 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 48 bbl water pumped. @ 10:40 Begin Drilling on plug 11; tagged on jt #370 with 7' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-54K, Dwn weight-48K, Neutral weight- 50K, Weight on bit-6-7K, Free torque-1400. Drill torque-2100. Pump pressure-4400. Choke size-21/64", Flowback pressure- 2400 psi, Return rate-2.5 bbls per min. 21/64 choke. Drill time 19 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 58 bbl water pumped.

API well Number: 4301352111 0000

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NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
11:39	13:39	@ 11:35 Begin Drilling on plug 10; tagged on jt #378 with 27' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-54K, Dwn weight-48K, Neutral weight- 50K, Weight on bit-6-7K, Free torque-1400. Drill torque-2100. Pump pressure-4400. Choke size-21/64", Flowback pressure- 2500 psi, Return rate-2.5 bbls per min. Drill time 16 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 120 bbl water pumped. @ 12:39 Begin Drilling on plug 9; tagged on jt #383 with 18' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-54K, Dwn weight-50K, Neutral weight- 52K, Weight on bit-6-7K, Free torque-1400. Drill torque-2100. Pump pressure-3500. Choke size-19/64", Flowback pressure- 2500 psi, Return rate-2.5 bbls per min. Drill time 25 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 70 bbl water pumped
13:39	15:45	@ 13:28 Begin Drilling on plug 8; tagged on jt #389 with 20' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-54K, Dwn weight-50K, Neutral weight- 52K, Weight on bit-6-7K, Free torque-1400. Drill torque-2100. Pump pressure-4300. Choke size-13/64", Flowback pressure- 2500 psi, Return rate-2.5 bbls per min. Drill time 23 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 70 bbl water pumped. Light sand and oil in returns. @ 14:07 Begin Drilling on plug 7; tagged on jt #393 with 15' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-556K, Dwn weight-46K, Neutral weight- 50K, Weight on bit-6-7K, Free torque-1400. Drill torque-2200. Pump pressure-3200. Choke size-13/64", Flowback pressure- 2700 psi, Return rate-2.5 bbls per min. Drill time 27 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 53 bbl water pumped. Light sand and oil in returns.
15:45	17:15	@ 14:44 Begin Drilling on plug 6; tagged on jt #398 with 29' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-54K, Dwn weight-46K, Neutral weight- 50K, Weight on bit-6-7K, Free torque-1400. Drill torque-2300. Pump pressure-3400. Choke size-15/64", Flowback pressure- 2300 psi, Return rate-2.5 bbls per min. Drill time 25 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 100 bbl water pumped. Parrafin in returns. @ 15:57 Begin Drilling on plug 5; tagged on jt #404 with 14' stick up Pump rate-2.5 bbls per min. RPM-120. Up weight-58K, Dwn weight-52K, Neutral weight- 48K, Weight on bit-6-7K, Free torque-1400. Drill torque-2300. Pump pressure-3200. Choke size-14/64", Flowback pressure- 2700 psi, Return rate-2.5 bbls per min. Drill time 17 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 54 bbl water pumped. Parrafin in returns.
17:15	18:33	@ 17:24 Begin Drilling on plug 4; tagged on jt #414 with 28' stick up to put Plug @ 12,789' Pump rate-2.5 bbls per min. RPM-120. Up weight-56K, Dwn weight-48K, Neutral weight- 50K, Weight on bit-6-7K, Free torque-1600. Drill torque-2500. Pump pressure-3600. Choke size-17/64", Flowback pressure- 2600 psi, Return rate-2.5 bbls per min. Drill time 14 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 30 bbl water pumped.
18:33	19:33	@ 18:55 Begin Drilling on plug 3; tagged on jt #424 with 25' stick up to put Plug @ 13,101' Pump rate-3bbls per min. RPM-120. Up weight-62K, Dwn weight-46K, Neutral weight- 52K, Weight on bit-6-7K, Free torque-1500. Drill torque-2400. Pump pressure-3600. Choke size-23/64", Flowback pressure- 2400 psi, Return rate-3.5 bbls per min. Drill time 20 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 105 bbl water pumped.

API well Number: 43013521110000
RECEIVED: Jan. 14, 2014

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

API Well Number: 4301352111 0000

Start Time	End Time	Comment
19:33	20:33	@ 19:55 Begin Drilling on plug 2; tagged on jt #430 with 2' stick up to put Plug @ 13,308 Pump rate-3 bbls per min. RPM-120. Up weight-58K, Dwn weight-46K, Neutral weight- 54K, Weight on bit-6-7K, Free torque-1600. Drill torque-2100. Pump pressure-3600. Choke size-23/64", Flowback pressure- 2500 psi, Return rate-3 bbls per min. Drill time 15 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 107 bbl water pumped.
20:33	21:18	@ 20:55 Begin Drilling on plug 1; tagged on jt #437 with 10' stick up to put Plug @ 13,516 Pump rate-3 bbls per min. RPM-120. Up weight-60K, Dwn weight-46K, Neutral weight- 55K, Weight on bit-6-7K, Free torque-1700. Drill torque-2600. Pump pressure-3700. Choke size-23/64", Flowback pressure- 2350 psi, Return rate-3 bbls per min. Drill time 23 min. Pump 20 bbl sweep, Pumping ¼ gal per hr of FR / Polymer. 110 bbl water pumped.
21:18	00:00	@ 21:30 We are on bottom at 13,705' with 443 jts in hole. Pumping 3 full bottoms up circulations.

Report Start Date	Report End Date	24hr Activity Summary
12/19/2013	12/20/2013	Finish pulling work string & Rig up Snubber

Start Time	End Time	Comment
00:00	01:45	@ 01:30 We have pumped a total of 670bbls. Power Swivel is rigged down, rig crew is tying ahead and changing elevators to start pulling workstring OOH.
01:45	06:45	@ 01:40 Started pulling work string OOH..
06:45	14:45	Wash hanger bowl with 30 bbl 3% Kcl at 150 deg. Land tbg with 275 jts IH. Run in lock in pins. ND annular preventer and adaptor spool. NU rig assist snubbing unit. Replace bag in SU annular preventer. Function and pressure test rams and bag on snubbing unit per Newfield standards
14:45	17:30	LD 155 jts 2 3/8" WS. SD for dark with 120 jts IH, EOT at 3727'. Installed TIW valve and closed pipe rams. SIP 2650 psi.
17:30	00:00	Snubbing Crew will pull maintence on their equipment tonight. We will moniter WH PSI overnight.

Report Start Date	Report End Date	24hr Activity Summary
12/20/2013	12/21/2013	Finish pulling Workstring & Start running Production Tubing

Start Time	End Time	Comment
00:00	07:30	LD 155 jts 2 3/8" WS. SD for dark with 120 jts IH, EOT at 3727'. Installed TIW valve and closed pipe rams. SIP 2650 psi. Snubbing Crew will pull maintence on their equipment tonight. We will moniter WH PSI overnight.
07:30	11:30	Snub out and LD 120 jts 2 3/8" 5.95# P110 PH6 tbg and BHA. SIP 2700 psi.
11:30	15:30	Change from 2 3/8" pipe rams to 2 7/8" rams. Test 2 7/8" pipe rams in BOP 250 psi low/ 10k high and in snubbing unit to 250 psi low /5k high per Newfield's standards.
15:30	19:00	PU 2 7/8" ½ Mule Shoe Guide, 2 7/8" x 6' pup jt, 3.625" OD x 2.44" ID x .80' L Ceramic Burst Sub (10,000 psi below, 1,000 psi above), 2 7/8" x 6' pup jt, 3.25" OD x 2.205 ID x 1.15' L XN Profile nipple, 1 jt 2 7/8" tbg, 2 7/8" OD x 2.31" ID x 1.15' L X profile nipple. Currently picking up 2 7/8" 6.50# L80 EUE 8rd prod tbg.

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NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
19:00	00:00	Currently; IH with 2 7/8" prod tbg. 119 jts IH (3851'). SIP 2700 psi. We have landed the 2 7/8" collar with a TIW on top ram, Lock Rams in (we have 4 sets of rams closed on pipe) & bleed off pressure. Then we will get ready to change the Annular Rubber out. Plan forward: land tbg, ND snubbing unit and BOP stack. NU and test prod tree. Attached are the Pics of the Annular Rubber from Mountain States…..

Report Start Date	Report End Date	24hr Activity Summary
12/21/2013	12/22/2013	Running Production tubing

Start Time	End Time	Comment
00:00	02:00	Annular bag was leaking we had to replace and retest bag.
02:00	11:30	PU 2 7/8" 6.5# L80 EUE 8rd tbg. Wash hanger bowl with 30 bbl water at 150 deg. Land tbg at 9702'.
11:30	15:30	While pressure testing tbg hanger, test truck started leaking back. Had problems getting engine started, then leak off problems. Brought second test truck to location.
15:30	16:00	Test liner hanger to 250 psi low/ 10k high per Newfield's standards.
16:00	17:00	RD snubbing unit and ND BOP stack.
17:00	18:00	NU 10K production tree with flow cross and test to 250 psi low/ 5,000 psi high. Pull TWCV.
18:00	18:30	Hold safety meeting with Mountain states night crew
18:30	19:30	Pressured w/ 7bbls up 2900 psi on tbg to burst disc. Pumped120bbls 2x tbg volume 4.5 bbls min @3800psi .RO Weatherford pump
19:30	20:30	NU prod flow line. Turned well over to Prod.

API Well Number: 4301352111 0000

RECEIVED: Jan. 14, 2014

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Thompson 4-24-3-4WH

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013521110000

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:
0191 FNL 1080 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 24 Township: 03.0S Range: 04.0W 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: 11/8/2013
- ☐ 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)
Mandie Crozier

PHONE NUMBER
435 646-4825

TITLE
Regulatory Tech

SIGNATURE
N/A

DATE
1/21/2016

RECEIVED: Jan. 21, 2016

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
8/26/2013	8/27/2013	Set 60' of 20" conductor pipe.

Start Time	End Time	Comment
00:00	00:00	Pete Martin Rig #16 spudded 26" hole on 08/26/2013 and drilled to 60' GL. Set 20", 52.78# (0.250" wall), SA53B conductor pipe at 60' GL and cemented to surface with Redi Mix. Kylan Cook notified UDOGM and BLM by e-mail @ 21:45 PM on 08/24/2013 to spud conductor hole on 08/26/2013. Ready for surface rig.

Report Start Date	Report End Date	24hr Activity Summary
8/27/2013	8/28/2013	MIRU Pro Petro Rig #10. Start picking up BHA.

Start Time	End Time	Comment
00:00	23:30	MIRU Pro Petro Rig #10.
23:30	00:00	Start picking up BHA.

Report Start Date	Report End Date	24hr Activity Summary
8/28/2013	8/29/2013	Pick up BHA and trip in hole to 60' GL. Spud 17.50" hole. Drill from 60' GL to 1030' GL while taking surveys.

Start Time	End Time	Comment
00:00	01:00	Start picking up BHA. Trip in hole to 60' GL.
01:00	05:00	Spud 17.50" hole @ 01:00 AM on 08/28/2013. Drill from 60' GL to 340' GL.
05:00	05:30	Circulate for survey. Take Single Shot survey @ 280' GL = 1.00 Degree.
05:30	06:30	Drill from 340' GL to 370' GL.
06:30	07:00	Change rubber size in rotating head.
07:00	09:30	Drill from 370' GL to 580' GL.
09:30	10:00	Circulate for survey. Take Single Shot survey @ 520' GL = 1.25 Degrees.
10:00	13:00	Drill from 580' GL to 760' GL.
13:00	13:30	Circulate for survey. Take Single Shot survey @ 700' GL = 2.75 Degrees.
13:30	16:30	Drill from 760' GL to 850' GL.
16:30	17:00	Circulate for survey. Take Single Shot survey @ 790' GL = 2.75 Degrees.
17:00	18:30	Drill from 850' GL to 910' GL.
18:30	19:30	Fix rod washer on mud pump.
19:30	20:00	Drill from 910' GL to 940' GL.

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
20:00	21:00	Circulate for survey. Take Single Shot survey @ 880' GL = 3.25 Degrees.
21:00	23:30	Drill from 940' GL to 1030' GL.
23:30	00:00	Circulate for survey. Take Single Shot survey @ 970' GL = 4.00 Degrees.

Report Start Date	Report End Date	24hr Activity Summary
8/29/2013	8/30/2013	Drill from 1030' GL to 1060' GL. Change swab in pump. Drill from 1060' GL to 1090' GL. Replace packing in top drive. Drill from 1090' GL to 1240' GL. Change swab in pump. Drill from 1240' GL to 1300' GL.

Start Time	End Time	Comment
00:00	00:30	Circulate for survey. Take Single Shot survey @ 970' GL = 4.00 Degrees.
00:30	02:30	Drill from 1030' GL to 1060' GL.
02:30	03:30	Change swab in mud pump.
03:30	05:00	Drill from 1060' GL to 1090' GL.
05:00	10:00	Trip off bottom 180'. Replace packing in top drive. Trip back to bottom. Had to wash and ream off bottom and back to bottom.
10:00	11:30	Drill from 1090' GL to 1120' GL.
11:30	12:00	Circulate for survey. Take Single Shot survey @ 1060' GL = 2.50 Degrees.
12:00	16:30	Drill from 1120' GL to 1210' GL.
16:30	17:00	Circulate for survey. Take Single Shot survey @ 1150' GL = 1.25 Degrees.
17:00	18:00	Drill from 1210' GL to 1240' GL.
18:00	21:30	Change swab in mud pump.
21:30	00:00	Drill from 1240' GL to 1300' GL.

Report Start Date	Report End Date	24hr Activity Summary
8/30/2013	8/31/2013	Drill from 1300' GL to TD @ 1635' GL. Circulate. Make wiper trip. Circulate. Start tripping out of hole.

Start Time	End Time	Comment
00:00	01:00	Drill from 1300' GL to 1330' GL.
01:00	01:30	Circulate for survey. Take Single Shot survey @ 1270' GL = 1.25 Degrees.
01:30	06:30	Drill from 1330' GL to 1480' GL.
06:30	07:00	Circulate for survey. Take Single Shot survey @ 1420' GL = 1.25 Degrees.

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
07:00	12:00	Drill from 1480' GL to 1635' GL. TD 17.50" hole @ 12:00 PM on 08/30/2013.
12:00	13:00	Circulate for wiper trip.
13:00	13:30	Take Single Shot survey @ 1570' GL = 0.75 Degrees.
13:30	16:00	Trip out to drill collars. Had to wash and ream first 900' off bottom.
16:00	16:30	Replace rubber in rotating head.
16:30	20:00	Trip back to bottom. Had to wash and ream 900' back to bottom. Tag fill 420' off bottom.
20:00	22:30	Circulate to trip out of hole and run surface casing.
22:30	00:00	Start tripping out of hole to run surface casing. Had to wash and ream first 200' off bottom.

Report Start Date	Report End Date	24hr Activity Summary
8/31/2013	9/1/2013	Trip out of hole. Run surface casing. Cement surface casing. No cement to surface. Wait for top out cement from Halliburton Yard. Clean pits. Rig down.

Start Time	End Time	Comment
00:00	03:30	Finish tripping out of hole to run surface casing.
03:30	04:30	Rig up to run surface casing.
04:30	13:00	Run 37 joints (1614.98') 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 @ 1614.98' GL, Float Collar @ 1568.63' GL. Had to wash through tight spot at 1100' GL. Had to wash last 7 joints of casing down.
13:00	14:00	Circulate with casing on bottom.
14:00	16:00	Weld top cap from casing to conductor pipe.
16:00	18:00	Circulate casing with rig pump. Rig up Halliburton Cementers. Had to wait for pup joint to enable rig up of Halliburton Quick Latch Cement Head.
18:00	20:30	Cement Job: Pumped 20 bbls fresh water & 20 bbls gelled water flush ahead of cement. Lead: Mixed and pumped 610 sacks (267 bbls) of Varicem Cement with 0.125 #/sk Poly-E-Flake. Mixed cement @ 12.0 ppg with yield of 2.46 cf/sk. Tail: Mixed and pumped 700 sacks (145 bbls) of Premium Class G Cement with 2% CaCl2. Mixed cement @ 15.8 ppg with yield of 1.17 cf/sk. Displaced cement with 243 bbls fresh water. Bumped plug with 800# @ 20:30 PM on 08/31/2013. Floats did not hold, pressured back up to 680# and shut in cement head. No cement to surface. Kylan Cook notified UDOGM and BLM of the surface casing & cement job via e-mail on 08/30/2013 @ 06:00 AM.
20:30	00:00	Wait for top out cement to come from Halliburton Yard in Vernal. Clean pits. Start rigging down.

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
9/1/2013	9/2/2013	Wait for top out cement from Halliburton Yard. Run two strings of 1” pipe to 200’ GL. One string down each side of the 13 3/8” casing. Pump cement down both strings of 1” pipe at the same time for top out. Cement fell back. Wait on cement. Pump 2nd top job. Cement to surface and hole standing full. Rig down. Release rig @ 10:30 AM on 09/01/2013.

Start Time	End Time	Comment
00:00	03:30	Wait for top out cement to come from Halliburton Yard in Vernal. Clean pits. Start rigging down.
03:30	05:00	Run two strings of 1” pipe to 200’ GL. One string down each side of the 13 3/8” casing.
05:00	06:00	Pumped cement down both strings of 1” pipe at the same time. Mixed and pumped 275 sacks (60 bbls) of Premium Class G Cement with 2% CaCl2. Mixed cement @ 15.8 ppg with yield of 1.15 cf/sk. Circulated good cement to surface. Cement fell back when pumping stopped.
06:00	08:30	Wait on cement to pump 2nd top job.
08:30	09:30	Pumped cement down 5’ stinger. Mixed and pumped 25 sacks (6 bbls) of Premium Class G Cement with 2% CaCl2. Mixed cement @ 15.8 ppg with yield of 1.15 cf/sk. Circulated good cement to surface. Hole stood full when pumping stopped.
09:30	10:30	Rig down. Release rig @ 10:30 AM on 09/01/2013.

Report Start Date	Report End Date	24hr Activity Summary
9/16/2013	9/17/2013	Finish preparation of location for drilling rig.

Start Time	End Time	Comment
00:00	00:00	09/05/2013 - Drill Mouse Hole. 09/06/2013 - Run Gyro. 09/11/2013 - Final blade location. 09/12/2013 - Weld on Wellhead. 09/16/2013 - Cement cellar floor up to the top of base plate on wellhead. GYRO SURVEY DEPTHS ARE GROUND LEVEL. Location is ready for drilling rig.

Report Start Date	Report End Date	24hr Activity Summary
9/25/2013	9/26/2013	RDMO,

Start Time	End Time	Comment
14:00	19:00	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
19:00	00:00	Waiting on daylight

Report Start Date	Report End Date	24hr Activity Summary
9/26/2013	9/27/2013	RDMO, Wait on daylight

Start Time	End Time	Comment
00:00	07:00	Shut Down For Night
07:00	07:30	PJSM W/ Pioneer rig crews, JD oilfield services, Engage managment, and Newfield Reps

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
07:30	12:00	Equipment on location, 2 cranes, 2 Fork lifts,3 Bed trucks, 2 Pole trucks, 9 Haul trucks, 5 Pilot cars. Total of 18 loads moved from the Patterson to the Thompson, 75% Rigged down on the Patterson, 20% Rigged up on the Thompson, on the new location set mud tanks mud pumps and some of the solids control equip, all camps, On the Patterson removed top drive tracks, strung out service loop, bridled up blocks, and laid derrick over removed derrick board
12:00	12:30	Safety stand down regroup and highten awarness on isolated energy
12:30	19:00	Equipment on location, 2 cranes, 2 Fork lifts,3 Bed trucks, 2 Pole trucks, 9 Haul trucks, 5 Pilot cars. Total of 18 loads moved from the Patterson to the Thompson, 75% Rigged down on the Patterson, 20% Rigged up on the Thompson, on the new location set mud tanks mud pumps and some of the solids control equip, all camps, On the Patterson removed top drive tracks, strung out service loop, bridled up blocks, and laid derrick over removed derrick board
19:00	00:00	Wait on daylight

Report Start Date	Report End Date	24hr Activity Summary
9/27/2013	9/28/2013	RDMO

Start Time	End Time	Comment
00:00	07:00	Wait on daylight
07:00	07:30	PJSM with Pioneer rig crews, JD oilfield services, Engage managment, and Newfield Reps
07:30	19:30	Continue to set in back yard on new location , 95% rigged down on Patterson location 35% rigged up on the Thompson , Dress out derrick, unspool drill line , remove derrick from floor and load out , split compounds,crane floor motors off of rig floor, remove draw works, pull all frogs and center steel, rotary table and racking boards, unstack subs,
19:30	00:00	Wait on daylight

Report Start Date	Report End Date	24hr Activity Summary
9/28/2013	9/29/2013	MIRU

Start Time	End Time	Comment
00:00	07:00	Wait on daylight
07:00	07:30	PJSM with pioneer rig crews, Engage managment, Newfield reps
07:30	12:00	Mob subs to new location and set bottom and middle subs, nipple down bop on Patterson and install tubing head and packoff and test to 3500 for 10 mins test OK,
12:00	13:30	Safety stand down on both location with everyone involed including NFX safety rep, pioneer rig crews and upper managment, JD oilfield , engage managment, and NFX drilling foremans, to refocus on the job at hand, and talk about the incidents hand being struck by flying metal and subs being tipped over
13:30	19:30	Return to work and continue to Mob subs to new location and set bottom and middle subs, nipple down bop on Patterson and install tubing head and packoff and test to 3500 for 10 mins test OK,
19:30	00:00	Remove doghouse braces from upper sub and inspect subs with 3rd party inspectors (CSI) and wait on daylight to continue to rig up

Report Start Date	Report End Date	24hr Activity Summary
9/29/2013	9/30/2013	Rig up

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
00:00	07:00	Continue to work on sub repairing welds on padeye , stairs landing and hanging sockets, repair swing arm brace for doghouse,
07:00	07:30	PJSM with Pioneer rig crews, engage managment, JD oilfield services, NFX rep
07:30	00:00	Set center iron in the back side of subs continue to inpsect all welds and modifications to sub, set choke house, gas buster, after inspection set top sub on drillers side, set rotary table and racking board, floor motors, drawworks, pin derrick to rig floor , raise A-legs and pin, set block stand and blocks and string up , hook up compounds and electrical wire,

Report Start Date	Report End Date	24hr Activity Summary
9/30/2013	10/1/2013	Rig up.

Start Time	End Time	Comment
00:00	00:00	Rig Up - Bridle up, slip drill line, wrap drill line on anchor and put clamp on. Changed out 42 pin in service loop, hang service loop, unchainblocks from stand, pick blocks up off stand. Derrick raised at 9:00AM. Picked up top drive track, set water tank and stairs, set both 400 bbl uprights. Set peak 3 sided tank and fly ash hopper. Crane shut down at 16:30 due to high winds, unable to hang wind walls. Rig up top drive electrical, Set VFD house, Set Hydrolic cat walk, Hook up service loop, Hook up kelly hose, Hook up VFD house, R/U Koomey lines, R/U Totco,

Report Start Date	Report End Date	24hr Activity Summary
10/1/2013	10/2/2013	(FRR 11-1-13) Rig up , nipple up bop's and test, start picking up BHA

Start Time	End Time	Comment
00:00	10:00	R/U Floor, R/U Bells elevators, Install rotary chain gaurd, Hook up hydrolic line on cat walk. install wind walls with crane, rig up flare line & Flair stack, Conduct pre spud inspection & Make corrections. released crane @ 13:00 Hrs
10:00	14:00	N/U flanges on bops & Kill line valve, HCR valve, Choke lines. With Eager Beaver. Accepted Rig @ 10:00 on 10/1/2013., Pre spud inspection
14:00	22:30	Rig Up testers & Test BOP's , test annular 250 psi low 3500 psi high, test upper and lower pipe rams, HCR , kill line, TIW, dart valve, Lower kelly cock valve, and IBOP to 250 psi low 5000 psi high, Test mud lines and pump valves to 250 psi low 4000 psi high, perform casing test to 1500 psi for 30 mins, continue to perform Pre spud inspection
22:30	23:00	Install wear bushing
23:00	00:00	start picking up and make up directional BHA, mud motor, float sub, muleshoe sub,NMDC's, XO, HWDP, Jars, MWD and bit

Report Start Date	Report End Date	24hr Activity Summary
10/2/2013	10/3/2013	(FRR 11-1-13) Pick up BHA, and drill pipe , tag and drill cement, perform FIT, Drill vertical section

Start Time	End Time	Comment
00:00	02:30	Continue to pick up BHA , scribe motor, insert mwd tool, Pick up NMDC and make up test MWD tool and make up bit
02:30	05:30	Strap and Pick up HWDP , Jars, from pipe racks,
05:30	07:00	Strap and pick up Drill pipe singles from pipe racks , Tag cmt @ 1571'
07:00	08:00	Drill Cement & Float Equipment. FC @ 1594' FS @ 1641'. Drill 10' Of New Formation.
08:00	09:00	Attempt to install rotating head rubber, Rubber would not pass tool jt.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
09:00	11:00	Circ B/U, Spot high vis sweep on btm, Perform FIT Equivalent Test Psi 356 = 13 ppg EMW. Held 356 psi for 4 min, Test good. 10 gals wtr in 150 psi, 20 gals in 356 psi.
11:00	12:00	Drill 12.25" Hole Section F/ 1671' To 1728' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 8.9 ppg
12:00	12:30	Rig service.
12:30	13:00	Trouble shoot MWD tool lack of GPM.
13:00	14:00	Drill 12.25" Hole Section F/ 1728' To 1822' (2 Pumps on the hole @ 120 Strokes a piece) Present Mwt 9.0 ppg
14:00	15:00	Trouble MWD tool lack of GPM.
15:00	00:00	Drill 12.25" Hole Section F/ 1822' To 2766' (3 Pumps on the hole @ 100 Strokes a piece) Present Mwt 9.0 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/3/2013	10/4/2013	(FRR 11-1-13) drill vertical, rig service

Start Time	End Time	Comment
00:00	00:30	Routine rig service , grease rig and inspect brake linkages
00:30	10:00	Drill 12.25" Hole Section F/ 2766' To 3521' (3 Pumps on the hole @ 100 Strokes a piece) Present Mwt 9.0 ppg
10:00	10:30	Routine rig service , grease rig and inspect brake linkages
10:30	00:00	Drill 12.25" Hole Section F/ 4196' To 5314' (3 Pumps on the hole @ 100 Strokes a piece) Present Mwt 9.0 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/4/2013	10/5/2013	(FRR 11-1-13) Drilling 12 1/4" vertical section planned depth 8937' Drilled f/ 4196 t/5692, with 3 pumps @ 100 spm , mud weight 9.0 ppg, Routine rig service, inspect brake linkages, pins, and pads, serivce drawworks and compound. total footage drilled 1496' with daily average ROP of 65', total footage rotated 1384' total footage slide 112',

Start Time	End Time	Comment
00:00	00:30	Routine rig service, inspect brake linkages, pins, and pads, serivce drawworks and commpound
00:30	13:00	Drill 12.25" Hole Section F/ 4196' To 5029' (3 Pumps on the hole @ 100 Strokes a piece) Present Mwt 9.0 ppg
13:00	13:30	Routine rig service, inspect brake linkages, pins, and pads, serivce drawworks and compound
13:30	00:00	Drill 12.25" Hole Section F/ 5029' To 5692' (3 Pumps on the hole @ 100 Strokes a piece) Present Mwt 9.0 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/5/2013	10/6/2013	(FRR 11-1-13) Drilling 12 1/4" vertical section planned depth 8937' Drilled f/ 5692 t/6396, with 3 pumps @ 100 spm , mud weight 10.5 ppg, Routine rig service, inspect brake linkages, pins, and pads, serivce drawworks and compound. total footage drilled 704' with daily average ROP of 38', total footage rotated 659' total footage slide 45',

Start Time	End Time	Comment
00:00	00:30	Rig service lubricate rig, service drawworks and commpound, inspect brakes
00:30	08:00	Drill 12.25" Hole Section F/ 5692' To 6070' (3 Pumps on the hole @ 100 Strokes a piece) Present Mwt 9.0 ppg
08:00	09:30	Drill 12.25" Hole Section F/ 6070' To 6137' (2 Pumps on the hole @ 120 Strokes a piece & 25 Rpms to aid in not damaging bit in harder formations) Present Mwt 9.0 ppg
09:30	10:00	Rig service lubricate rig, service drawworks and commpound, inspect brakes
10:00	14:30	Change all mud in the active pits & down hole out f/ 9.0 ppg mwt to 10.6 ppg mwt

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
14:30	00:00	Drill 12.25" Hole Section F/ 6137' To 6396' (3 Pumps on the hole @ 85 Strokes a piece & 25 Rpms to aid in not damaging bit in harder formations) Present Mwt 10.6 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/6/2013	10/7/2013	(FRR 11-1-13) Drilling 12 1/4" vertical section planned depth 8937' Drilled f/ 6396 t/6985, with 3 pumps @ 100 spm , mud weight 10.6 ppg, Routine rig service, inspect brake linkages, pins, and pads, serivce drawworks and compound. total footage drilled 589' with daily average ROP of 25.6', total footage rotated 484' total footage slide 105',

Start Time	End Time	Comment
00:00	01:00	Drill 12.25" Hole Section F/ 6396' To 6447' Slide As Needed (3 Pumps on the hole @ 85 Strokes a piece & 25 Rpms to aid in not damaging bit in harder formations) Present Mwt 10.6 ppg
01:00	01:30	Routine rig service, inspect brake linkages, service drawworks and commpound
01:30	11:30	Drill 12.25" Hole Section F/ 6447' To 6690' Slide As Needed (3 Pumps on the hole @ 85 Strokes) Present Mwt 10.6 ppg @ 6500 started to experience losses 10 to 15 bbls per hr
11:30	12:30	Drill 12.25" Hole Section F/ 6690' To 6731' Slide As Needed (2 Pumps on the hole @ 120 Strokes #1 mp is down due to mp clutch issues) Present Mwt 10.6 ppg
12:30	13:00	Routine rig service, inspect brake linkages, service drawworks and commpound
13:00	00:00	Drill 12.25" Hole Section F/ 6731' To 6985' Slide As Needed (3 Pumps on the hole @ 95 Strokes. Present Mwt 10.6 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/7/2013	10/8/2013	(FRR 11-1-13) Drilling 12 1/4" vertical section planned depth 8937' Drilled f/ 6985 t/7426, with 3 pumps @ 100 spm , mud weight 10.6 ppg, Routine rig service, total footage drilled 441' with daily average ROP of 19', total footage rotated 331' total footage slide 110',

Start Time	End Time	Comment
00:00	00:30	Routine rig service, inspect brake linkages, service drawworks and commpound
00:30	11:30	Drill 12.25" Hole Section F/ 6985' To 7226' Slide As Needed (3 Pumps on the hole @ 95 Strokes. Present Mwt 10.6 ppg.Started Experiencing losses @ 6500' 10 to 15 bbls per hr Pumping LCM Sweeps Every hr or as needed.
11:30	12:00	Change out MWD transducer on mud line
12:00	00:00	Drill 12.25" Hole Section F/ 7226' To 7426' Slide As Needed (3 Pumps on the hole @ 95 Strokes. Present Mwt 10.6 ppg.Started Experiencing losses @ 6500' 10 to 15 bbls per hr Pumping LCM Sweeps Every hr or as needed.

Report Start Date	Report End Date	24hr Activity Summary
10/8/2013	10/9/2013	(FRR 11-1-13) Drilling 12 1/4" vertical section planned depth 8937' Drilled f/ 7426 t/7818, with 3 pumps @ 100 spm , mud weight 10.6 ppg, Routine rig service, total footage drilled 392' with daily average ROP of 17', total footage rotated 288' total footage slide 104',

Start Time	End Time	Comment
00:00	00:30	Routine rig service
00:30	12:30	Drill 12.25" Hole Section F/ 7426' To 7673' Slide As Needed (3 Pumps on the hole @ 100 Strokes. Present Mwt 10.6 ppg.
12:30	13:00	Routine rig service
13:00	00:00	Drill 12.25" Hole Section F/ 7673' To 7818' Slide As Needed (3 Pumps on the hole @ 100 Strokes. Present Mwt 10.6 ppg.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/9/2013	10/10/2013	(FRR 11-1-13) Drill F/7818'-7861', Rig Service, Drill F/ 7861'- 7956', Rig Service, Drill F/ 7956'- 8120', Change out pop off in pump # 2 & 3, Trouble shoot mud motor, Circ. bottoms up & build slug, check flow, well static, pump slug, POOH.

Start Time	End Time	Comment
00:00	01:30	Drill 12.25" Hole Section F/ 7818' To 7861' Slide As Needed (2 Pumps on the hole @ 120 Strokes. Present Mwt 10.6 ppg.
01:30	02:00	Routine rig service
02:00	14:00	Drill 12.25" Hole Section F/ 7861' To 7956' Slide As Needed (3 Pumps on the hole @ 95 Strokes. Present Mwt 10.6 ppg.
14:00	14:30	Routine rig service
14:30	19:30	Drill 12.25" Hole Section F/ 7956' To 8120' Slide As Needed (3 Pumps on the hole @ 95 Strokes.) Present Mwt 10.6 ppg.
19:30	20:00	Change pop off in pump # 2 & 3.
20:00	20:30	Trouble shoot mud motor.
20:30	23:00	Circulate bottoms up @ 8120'.
23:00	00:00	Check flow, Well static, Pump slug, POOH F/ Motor.

Report Start Date	Report End Date	24hr Activity Summary
10/10/2013	10/11/2013	(FRR 11-1-13) Rig Service, Cont. POOH, Hit Tight Spots @ 4,185' Back Ream F/ 4,185' to 4,105', F/ 1,741 to 1,680', cont. POOH, L/D Dir. tools & mwd tools, P/U & M/U new BHA & Scribe Dir tools, TIH f/ Surface' to 255, (Test MWD Good Test) Cont. TIH fill pipe every 2000' Wash through tight spots F/ 6635 to 6730 & f/ 7626 to 7636, Rig Service, Drill F/ 8120' To 8400' Present Mwt 10.6 ppg. (lossing 5 bbls per hrs seepage to formation) Rig 44 has 174 days without a recordable incidents.

Start Time	End Time	Comment
00:00	00:30	Routine rig service
00:30	08:30	Cont to TOOH, Hit Tight Spots & Back Ream F/ 4,185' to 4,105', F/ 1,741 to 1,680'.
08:30	10:00	L/D BHA, Dir. tools & mwd tools, clean rig floor & P/U & M/U new BHA & Scribe Dir tools
10:00	15:30	TIH f/ Surface' to 255, (Test MWD Good Test) Cont to TIH fill pipe every 2000' Wash through tight spots @ 6635 to 6730 & 7626 to 7636. Safety wash and ream 60' to btm
15:30	16:00	Routine rig service
16:00	00:00	Drill 12.25" vertical Section F/ 8120' To 8400' Slide As Needed (3 Pumps on the hole @ 95 Strokes.) Present Mwt 10.6 ppg. (lossing 5 bbls per hrs seepage to formation) Rig 44 has 174 days without a recordable incidents.

Report Start Date	Report End Date	24hr Activity Summary
10/11/2013	10/12/2013	(FRR 11-1-13) Rig Service, Drill 12.25" vertical Section F/ 8,400' to 8812', Circ x2 btms up Pumping Hi Vis Sweep, & build slug, check flow, well static, pump slug, POOH. L/D BHA, Dir. tools & mwd tools, pull Wearbushing, PJSM Rigging up Halliburton wireline, Present Mwt 10.6 ppg. Rig 44 has 175 days without a recordable incidents.

Start Time	End Time	Comment
00:00	00:30	Rig Service. (70 sec. BOP drill)

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
00:30	09:30	Drill 12.25" vertical Section F/ 8,400' to 8812' TD 12.25" Hole Section. Slide As Needed (3 Pumps on the hole @ 95 Strokes.) Present Mwt 10.6 ppg.
09:30	12:30	Circ x2 btms up Pumping Hi Vis Sweep to aid in cleaning hole and prepare to trip out of hole for logs. Build trip slug and fill trip tank while Circulating.
12:30	13:30	Check for flow (Well Is Static) Cont to Build Trip Slug & Pump Trip slug
13:30	20:00	TOOH for logs SLM out of hole f/ 8812 to BHA (Monitor Well On Trip Tank)
20:00	21:30	L/D BHA, Dir. tools & mwd tools, clean rig floor.
21:30	22:30	Pull wear bushing.
22:30	00:00	PJSM Rigging up Halliburton wireline truck & logging tools.

Report Start Date	Report End Date	24hr Activity Summary
10/12/2013	10/13/2013	(FRR 11-1-13) RIH w/ Halliburton wire line, Rig Service, Strap & Caliper Bit, Bit Sub, XO, & DP, Install wearbushing, P/U & M/U Clean out Assembly, Slip & cut 112' drill line, TIH w/ Clean Out AssemblyTagged Up @ 8479', Wash & Ream f/ 8479' to 8522', Rig Service, Wait on welder to fix leak on stand pipe in sub, Cont.Wash & Ream f/ 8522 to 8812, Circ x2 btms up Pumping Hi Vis Sweep, Present Mwt 10.6 ppg. Rig 44 has 176 days without a recordable incidents.

Start Time	End Time	Comment
00:00	05:30	RIH w/ Halliburton wire line Quad Combo Tool Tagged up @ 8479'. Cont to log out of the hole f/ 8479' to Surface. Rig Down Wire Line.
05:30	06:00	Routine rig service
06:00	06:30	Strap & Caliper Bit, Bit Sub, XO, & DP
06:30	07:30	Install Wear Bushing
07:30	09:00	P/U & M/U Clean out Assembly & Bit
09:00	11:00	Cut & Slip 112' Of Drilling Line
11:00	14:00	TIH w/ Clean Out Assembly Fill Pipe Every 2000' Tagged Up @ 8479'
14:00	15:30	Wash & Ream f/ 8479 to 8522. RPM 100, WOB 5-20K, 700 GPM
15:30	16:00	Routine rig service
16:00	21:00	Wait on welder to fix leak on stand pipe in sub. weld'let that has a wash in it. As per pioneer mangment call a inspecter to check welds.
21:00	22:00	Cont.Wash & Ream f/ 8522 to 8812. RPM 100, WOB 5-20K, 700 GPM
22:00	00:00	Circ x2 btms up Pumping Hi Vis Sweep to aid in cleaning hole and prepare to trip out of hole for 9 5/8 casing run. Build slug and fill trip tank while Circulating.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/13/2013	10/14/2013	(FRR 11-1-13) Cont to Circ x2 btms up Pumping Hi Vis Sweep, Rig Service, Check flow, Well Is Static, Pump slug, POOH, Pull Wear bushing, Remove Bails, Elevators,all subs, Handling Tools, Rig Service, RIH W/ 9.625" N-80 casing Run Float Equip. & check floats, Floats Held, Cont to Run Casing F/ 84' to 3675' Fill pipe @ 3675' Lost circ, Lost circulation @ 3675' Ran 10 jts to 4106 and tried to Est circ and no success. Ran 10 more jts to 4537 and tried to Est circ and no success. Mixed and pumped 30 bbls of 6 ppb lcm pill and no success in returns, Stopped running casing and started to to mix and increase the mud system up to 10 ppb lcm while working the pipe slow and pumping as slow as possible @ 137 gpm, Present Mwt 10.5 ppg. Rig 44 has 177 days without a recordable incidents.

Start Time	End Time	Comment
00:00	01:00	Cont to Circ x2 btms up Pumping Hi Vis Sweep to aid in cleaning hole and prepare to trip out of hole for 9 5/8 casing run. Build slug and fill trip tank while Circulating.
01:00	01:30	Routine rig service
01:30	06:00	Check for flow (Well Is Static) Pump Trip slug & TOOH to run 9.625" casing
06:00	07:00	Pull Wear Bushing
07:00	08:00	Remove Bails, Elevators,all subs, Handling Tools & Clean Rig Floor.
08:00	08:30	Routine rig service
08:30	10:30	HPJSM w/ Franks & Rig up to run Csg
10:30	17:30	RIH W/ 9.625" N-80 casing Run Float Equip. & check floats, Floats Held, Cont to Run Casing F/ 84' to 3675' Fill pipe @ 3675' Lost circ,
17:30	00:00	Lost circulation @ 3675' Ran 10 jts to 4106 and tried to Est circ and no success. Ran 10 more jts to 4537 and tried to Est circ and no success. Mixed and pumped 30 bbls of 6 ppb lcm pill and no success in returns, Stopped running casing and started to to mix and increase the mud system up to 10 ppb lcm while working the pipe slow and pumping as slow as possible @ 137 gpm (While mixing lcm checked the mud properties in the active system and the mwt was 10.9 ppg and the vis 189 sec started adding water and chemicals to cut the mwt and vis) Lost 750 bbls of mud & transfer 730 bbls for Rig 78. Cont to mix lcm & work pipe with partial returns @ 22:30 hrs

Report Start Date	Report End Date	24hr Activity Summary
10/14/2013	10/15/2013	(FRR 11-1-13) Continue increase the mud system up to 10 ppb lcm while working pipe slow, Cont. running 9 5/8 40#, N-80 casing F/ 4537' to 6475' W/ partial returns, Rig Service, Cont. running 9 5/8 40#, N-80 casing F/ 6475' to 8807' W/ full returns. Landed CSG with 280k Ran a Total of 205 full Jts, Rig down casers, PJSM Rig up Cements test lines cement, Rig down cementers, PJSM W/ Cameron & rig crew pulling landing joint & install pack off. Present Mwt 13.5 ppg. Rig 44 has 178 days without a recordable incidents.

Start Time	End Time	Comment
00:00	01:30	Continue increase the mud system up to 10 ppb lcm while working pipe slow and pumping as slow as possible @ 137 gpm. Cont to mix lcm & work pipe with full returns @ 01:00 hrs.
01:30	05:30	Cont. running 9 5/8 40#, N-80 casing F/ 4537' to 6475' W/ partial returns. (Filling pipe every 1000' & circ. bottoms up)
05:30	06:00	Rig Service.
06:00	12:30	Cont. running 9 5/8 40#, N-80 casing F/ 6475' to 8807' W/ full returns. Landed CSG with 280k Ran a Total of 205 full Jts, Casing Hanger (Filling pipe every 1000' & circ. bottoms up while rigging down casers)

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
12:30	16:30	Rig down casing crew while circulating X 2 casing volume @ 6.6 bpm (With Full Returns) and R/U Halliburton Cementing Crew
16:30	22:00	HPJSM Test cement lines to 3000 psi. Pumped 40 bbls 11.7 ppg tuned spacer ,mix and pumped 1650 sks of 12.5 ppg Yield 1.97 10.63 gal per sk of Lead cement 580 bbls, Mixed and pumped 590 sks of 14 ppg 1.35 yield 5.75 gal per sk of tail cement 142 bbls. Dropped the plug and pumped 10 bbls of fresh wtr, And 20 bbls Diesel, 659 bbls of 13.5 ppg OBM, final pump rate 3.0 bpm, 590 psi, Bumped the plug with 1800 psi. 5.5 bbl flow back Floats held. No cement back to surface. Full returns @ 586 bbls away and partial returns to 590 bbls away Lost full returns for the remainder of the job.
22:00	23:00	Rig down Halliburton cement truck & equipment.
23:00	00:00	PJSM W/ Cameron & rig crew pulling landing joint & install pack off.

Report Start Date	Report End Date	24hr Activity Summary
10/15/2013	10/16/2013	(FRR 11-1-13 Cont. installing pack off, Rig Service, PJSM Rig Up testers & Test BOP's , Install wear bushing, Bails & Elevators, Rig Service, HPJSM & M/U & P/U Halliburtion Dir tools, TIH, Drill Cement & Float Equipment, Circ. Present Mwt 13.5 ppg. Rig 44 has 179 days without a recordable incidents.

Start Time	End Time	Comment
00:00	02:00	Cont. installing pack off & testing to 3500 psi (good test) (cont. shaking lcm f/ water base mud)
02:00	02:30	Rig Service.
02:30	10:30	PJSM Rig Up testers & Test BOP's , test annular 250 psi low 3500 psi high, test upper and lower pipe rams, HCR , kill line, TIW, dart valve, Lower kelly cock valve, and IBOP to 250 psi low 6400 psi high, Test mud lines and pump valves to 250 psi low 4000 psi high, perform casing test to 2000 psi for 30 mins, R/D Testers
10:30	12:00	Install wear bushing & Bails & Elevators.
12:00	12:30	Rig Service
12:30	15:30	HPJSM & M/U & P/U Halliburtion Dir tools And Down load there tools
15:30	22:00	TIH f/ Surface' to 1120', Test mwd tool. (good Test) Cont. TIH F/ 1120' to 8692' fill pipe every 2000'
22:00	23:30	Drill Cement & Float Equipment. F/ 8720' FC @ 8721' FS @ 8805'. Drill 10' Of New Formation.
23:30	00:00	Circ. bottoms up.

Report Start Date	Report End Date	24hr Activity Summary
10/16/2013	10/17/2013	Cont. Circ B/U, Spot high vis sweep, PJSM Rigging upTester, Perform FIT, Rig Service, Trouble shoot MWD, Drill F/ 8823' to 8830', Trouble shoot MWD, Drill F/ 8830' to 8855', Circ. build slug, check flow, well static, pump slug, pooh, Break Bit off & check mud motor, Change out mwd probe orifice to handle 400 to 500 gpm, Rig Service, Replace Broken Hose ST-80, TIH

Start Time	End Time	Comment
00:00	01:00	Cont. Circ B/U, Spot high vis sweep on bottom to Perform FIT test.
01:00	01:30	PJSM Rigging up eager beaver F/ FIT test.
01:30	02:30	Perform FIT Equivalent Test Psi 1146 = 16 ppg EMW. Tester pressured up to 1050 pressure drop off to 800psi kicked out pump wighted 1 min. ingaged pump pressure increase to 900 psi kicked out pump dercrease down to 800 psi. Held 800 psi for 5 min, Test good. 40 gals wtr in 200 psi, 20 gals in 400 psi, 20 gals in 600 psi, 20 gals in 800 psi, 20 gals in 1000 psi, 10 gals in 1050 psi. (800 psi =15.2 ppg EMW)

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
02:30	03:00	Rig Service.
03:00	03:30	Trouble shooting MWD tool.
03:30	04:00	Drill 8 3/4 curve Section F/ 8823' To 8830' Present Mwt 13.5 ppg.
04:00	04:30	Trouble shooting MWD tool.
04:30	05:00	Drill 12.25" vertical Section F/ 8830' To 8855' Present Mwt 13.5 ppg
05:00	05:30	Circ. build slug.
05:30	06:00	Check for flow (Well Is Static) Pump Trip slug & TOOH
06:00	12:30	TOOH. 20 stds out of the hole drill string came wet. Mixed & Pumped another trip slug & Cont to trip out of Hole.
12:30	14:00	Break Bit off & check mud motor all checked out in good cond. Download mwd tools
14:00	17:30	Change out mwd probe orifice to handle 400 to 500 gpm for flow rate. M/U Dir tools. Attempt to Download MWD with no success had to change out the PCM On the MWD Probe & Try to DownLoad MWD tool agian. Had successful Download
17:30	18:00	Rig service.
18:00	19:30	Replace Broken Hose On the ST-80
19:30	00:00	TIH f/ Surface' to 2000', Test mwd tool & Install rotating head (good Test) Cont. TIH F/ 2000' to 8855' fill pipe every 2500'.

Report Start Date	Report End Date	24hr Activity Summary
10/17/2013	10/18/2013	(FRR 11-1-13) Relog gamma F/ 8784' to 8855', Rig Service, Drill F/ 8855' to 9161', Install channels on NOV, Drill F/ 9161' to 9225', Going through #1pump, Drill F/ 9225' to 9349', Trouble shooting mwd.

Start Time	End Time	Comment
00:00	00:30	Wash to btm F/ 8784' to 8855', Relogging gamma.
00:30	01:00	Rig Service
01:00	13:30	Drill 8.75" Curve section f/ 8855' to 9161' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg. (KOP @ 9015 MD, 9002' TVD, 50' HIGH OF CORRECTED PLAN)
13:30	14:00	Install channels on NOV.
14:00	16:30	Drill 8.75" Curve section f/ 9161' to 9225' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
16:30	17:00	Rig Service.
17:00	18:00	Going through #1pump suction, trying to start # 3 pump.
18:00	23:30	Drill 8.75" Curve section f/ 9225' to 9349' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
23:30	00:00	Trouble shooting mwd. Not receiving signal f/ tool.

Report Start Date	Report End Date	24hr Activity Summary
10/18/2013	10/19/2013	(FRR 11-1-13) Drill F/ 9339' to 9444', Rig Service, Drill F/ 9444' to 9633', Rig Service, Drill F/ 9633' to 9636', NOV sever down, Drill F/ 9636' to 9725', Re-toggle MWD tool, Drill F/ 9725' to 9764', Changing swab in # 1 pump, while trying to start # 3 pump, Drill F/ 9764' to 9778'. Last Survey @ 9801' Inc 68.34, Dirc. 181.99, TVD 9578.28'. Present Mwt 13.5 ppg. Rig 44 has 182 days without a recordable incidents.

Start Time	End Time	Comment
00:00	04:30	Drill 8.75" Curve section f/ 9339' to 9444' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
04:30	05:00	Rig service.
05:00	12:30	Drill 8.75" Curve section f/ 9444' to 9633' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
12:30	13:00	Rig service.
13:00	13:30	Drill 8.75" Curve section f/ 9633'to 9636' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
13:30	14:00	NOV sever down
14:00	19:30	Drill 8.75" Curve section f/ 9636'to 9725' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
19:30	20:00	Re-toggle MWD tool.
20:00	22:30	Drill 8.75" Curve section f/ 9725'to 9764' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
22:30	23:00	Changing swab in # 1 pump, while trying to start # 3 pump.
23:00	00:00	Drill 8.75" Curve section f/ 9764'to 9778' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.

Report Start Date	Report End Date	24hr Activity Summary
10/19/2013	10/20/2013	(FRR 11-1-13) Drill F/ 9778' to 9822', Rig Service, Drill F/ 9822' to 9916', Rig service. Drill F/ 9916' to 10019', Work on pop off on # 1 pump, Replace liner gasket on # 2 pump. Drill F/ 10019' to 10295'. Last Survey @ 9801' Inc 68.34, Dirc. 181.99, TVD 9578.28'. Present Mwt 13.5 ppg. Rig 44 has 183 days without a recordable incidents.

Start Time	End Time	Comment
00:00	02:00	Drill 8.75" Curve section F/ 9778' to 9822' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
02:00	02:30	Rig Service.
02:30	08:30	Drill 8.75" Curve section F/ 9822' to 9916' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
08:30	09:00	Rig service.
09:00	15:30	Drill 8.75" Curve section F/ 9916' to 10019' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg.
15:30	16:30	Work on pop off on # 1 pump, Replace liner gasket on # 2 pump.
16:30	00:00	Drill 8.75" Curve section F/ 10019' to 10295' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg. EOB 10,042' TVD 9,616', VS 656', Inc 88.85, Landed @ 14:30 on 10/19/2013.

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/20/2013	10/21/2013	(FFR 11-1-2013) Rig service, Drill F/ 10295' to 10420', Circ F/ lateral trip, POOH, L/D HWDP & Drilling jars, Cont. POOH, Change Out BHA, Rig Service, Cont. M/U BHA, Move over 30 joints drill pipe to strap to replace HWDP, P/U 30 joints drill pipe off rack, Install Rotating Head, Test MWD Tool, Good Test, Continue TIH F/ 1,120' to 8670' Present Mwt 13.5 ppg. Rig 44 has 184 days without a recordable incidents.

Start Time	End Time	Comment
00:00	00:30	Rig Service.
00:30	06:00	Drill 8.75" Lateral section F/ 10295' to 10420' (2 Pumps on the hole @ 100 Strokes.) Present Mwt 13.5 ppg
06:00	08:00	Circ. Reciprocate Pipe @ 30 rpm F/ lateral trip & build slug.
08:00	12:00	Check Flow, Well Static, Fill trip tank, pump slug , POOH F/ lateral assembly. F/ 10420' To 2084'
12:00	13:00	L/D HWDP & Drilling jars. F/ 2084' to 1150'
13:00	14:00	Continue POOH F/ 1150' to Surface
14:00	16:00	Break bit bit was missing one jet, Turn mtr off & Break mtr apart and laydown.
16:00	17:30	P/U MWD & Mtr and bit. Scribe. (Attempt to P/U 1.75 degree motor inturnel elec problems. P/U 1.83 mud motor.
17:30	18:00	Rig service.
18:00	18:30	Continue P/U MWD & Mtr and bit. Scribe.
18:30	19:00	Move over 30 joints drill pipe to strap to replace HWDP.
19:00	21:00	P/U 30 joints drill pipe off rack. (Install Rotating Head) (Test MWD Tool, Good Test)
21:00	00:00	Continue TIH F/ 1,120' to 8670' filling pipe every 2500'.

Report Start Date	Report End Date	24hr Activity Summary
10/21/2013	10/22/2013	(FFR 11-1-2013) Fill pipe, Hang off top drive, Slip & cut 126' drill line, Rig Service, Cont. TIH F/8670' to 9857' had to wash & ream F/ 9857' to 10420', Drill 8.75" Lateral section F/ 10420' to 10541', Rig Service, Change swab in # 1 pump & Liner washer pump coupling, Drill 8.75" Lateral section F/ 10541' to 11,220'. Present Mwt 13.7 ppg. Rig 44 has 185 days without a recordable incidents.

Start Time	End Time	Comment
00:00	00:30	Fill pipe, Hang off top drive.
00:30	02:30	Slip & cut 126' of drill line.
02:30	03:00	Rig Service.
03:00	05:30	Cont. TIH F/8670' to 9857' had to wash & ream F/ 9857' to 10420' pumping W/420 gpm @ 40 rpm taking 10-15k. (Caliburate MWD Tool)
05:30	07:00	Trouble shoot MWD tool, Computer failer.
07:00	11:30	Drill 8.75" Lateral section F/ 10420' to 10541' (2 Pumps on the hole @ 105 Strokes.) Present Mwt 13.5 ppg

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
11:30	12:00	Rig service.
12:00	12:30	Change swab in # 1 pump & Liner washer pump coupling.
12:30	00:00	Drill 8.75" Lateral section F/ 10541' to 11,220' (2 Pumps on the hole @ 105 Strokes.) Present Mwt 13.7 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/22/2013	10/23/2013	(FRR 11-1-2013) Drill F/ 11220' to 11,328, Attempting to slide with pressure spikes and mtr stalls F/ 11328' to 11337', Rig Service, Clean up cycle, Attempting to slide with pressure spikes and mtr stalls F/ 11337' to 11340', Drill F/ 11,340' to 11,355', Circ. mix slug, Fill trip tank, Check Flow, Well Static, Rig Service, POOH back reaming F/ 9831' to 8800', Pump slug cont. POOH F/ 8800' to 3008' to P/U Agitator, P/U & M/U Agitator & xo subs, TIH W/ 5 stands & test Agitator F/ pressure restriction. (test good), Cont. TIH F/ 3,485' to 8690', Present Mwt 13.7 ppg. Rig 44 has 186 days without a recordable incidents.

Start Time	End Time	Comment
00:00	02:00	Drill 8.75" Lateral section F/ 11220' to 11,328' (2 Pumps on the hole @ 105 Strokes.) Present Mwt 13.7 ppg
02:00	05:00	Attempting to slide with pressure spikes and mtr stalls F/ 11328' to 11337'.
05:00	05:30	Rig service.
05:30	07:00	Clean up cycle reciprocate pipe, Top drive rpms = 80, Pumps 105 spm each @ 482 gpm.
07:00	08:30	Attempting to slide with pressure spikes and mtr stalls F/ 11337' to 11340' (2 Pumps on the hole @ 105 Strokes.) Present Mwt 13.7 ppg
08:30	09:00	Drill 8.75" Lateral section F/ 11340' to 11,355' (2 Pumps on the hole @ 105 Strokes.) Present Mwt 13.7 ppg
09:00	10:00	Circ, Mix slug, Fill trip tank, Check flow
10:00	10:30	Rig service.
10:30	16:30	POOH F/ 11355' to 8800' to P/U Agitator, Tight spots back ream F/ 9831' to 9801', 9705' to 9338', Pulled tight to 8800'.
16:30	17:00	Fill trip tank & Pump slug.
17:00	20:00	POOH F/ 8800' to 3008' to P/U Agitator, .
20:00	21:00	P/U & M/U Agitator & xo subs.
21:00	21:30	TIH W/ 5 stands & test Agitator F/ pressure restriction. (test good)
21:30	00:00	Cont. TIH F/ 3,485' to 8690' filling pipe every 2000'

Report Start Date	Report End Date	24hr Activity Summary
10/23/2013	10/24/2013	(FRR 11-1-2013,Continue TIH F/ 8690' to 9934' Hit bridge,W/R F/ 9934' to 9955', 10K on bit, 300 Diff steady, rig service,P/U to 9934' high side mud mtr, Slide W/R F/ 9955' to 9978', Picked up took suveys @ 9927' near bit compared to original survey @ same depth 1.6 degrees difference. Giving us 1.3' of seperation between well bores, Indicating side track, circ. and wait on orders, mix and pump slug, TOOH to change BHA f/ 9978' t/ surface, lay down BHA, pick up new BHA, wait on mwd to download

Start Time	End Time	Comment
00:00	01:30	Continue TIH F/ 8690' to 9934' Hit bridge.
01:30	04:00	W/R F/ 9934' to 9955', 10K on bit, 300 Diff steady

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
04:00	04:30	Rig service.
04:30	09:30	P/U to 9934' high side mud mtr, Slide W/R F/ 9955' to 9978', Picked up took suveys @ 9927' near bit compared to original survey @ same depth 1.6 degrees difference. Giving us 1.3' of seperation between well bores, Indicating side track
09:30	11:30	Circ and wait on orders.
11:30	12:00	Rig sevice.
12:00	13:30	Mix slug & Fill trip tank, Check flow, Pump slug.
13:30	19:00	POOH F/ 9978' to 6546' To pick up curve assembly BHA for curve # 2.
19:00	19:30	Download MWD tool
19:30	20:30	Lay down bit motor and MWD tools
20:30	21:30	Pick up new mud motor, and dir tools
21:30	00:00	upload MWD tools, having problems wait on trouble shooting

Report Start Date	Report End Date	24hr Activity Summary
10/24/2013	10/25/2013	(FRR 11-1-2013) Install and test MWD and mud motor. Make up bit and TIH f/ surface t/ 9901'. Attempt to wash back into original hole, unsuccessful. Line up to sidetrack f/9990't/ 10080'. MW 13.7 ppg, 2 pumps @ 93 SPM. Drill 8 3/4" lateral f/ 10080' t/10356

Start Time	End Time	Comment
00:00	00:30	Install MWD tool, test MWD and mud motor , test good
00:30	05:30	Make up bit and TIH f/ surface t/ 9901'
05:30	06:30	Fill pipe break circulation and line up tools to high side and attempt to wash back into orignal hole attempt unsecsessfull
06:30	07:30	Line up directional tools to side track.
07:30	13:30	Drill 8.75" side track #1 F/ 9990' to 10080' landed side track curve @ 90.99° (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
13:30	00:00	Drill 8.75" Lateral F/ 10080' to 10356' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/25/2013	10/26/2013	(FRR 11-1-2013) Rig service , Drill lateral section f/10356' t/ 10713' , Circulate and condition, mix and pump slug, POOH f/ 10713' t/ 3230'

Start Time	End Time	Comment
00:00	03:30	Drill 8.75" Lateral F/ 10356' to 10467' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
03:30	04:00	Rig service.
04:00	07:30	Drill 8.75" Lateral F/ 10467' to 10562' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
07:30	08:00	Rig service.
08:00	13:00	Drill 8.75" Lateral F/ 10562' to 10668' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
13:00	13:30	Blow pop off on # 2 pump. Put # 1 & # 3 pump on line and work tight hole @ 10668'.
13:30	16:00	Drill 8.75" Lateral F/ 10668' to 10713' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
16:00	18:30	Circulate and condition clean hole and circ bottoms up, mix slug
18:30	19:30	POOH f/ 10713' t/ 9725' pulling wet to the top of side track
19:30	20:00	Circulate and pump slug
20:00	00:00	Continue to POOH f/9725' t/ 3230

Report Start Date	Report End Date	24hr Activity Summary
10/26/2013	10/27/2013	(FRR 11-1-2013) Continue to POOH, lay down curve bha and pick up lateral BHA, upload and program MWD, TIH, Drill f/ 10713' t/10870' , recalibrate MWD, change out transducers, and relog one stand, work tight hole after slide, rig service, present mud weight 13.7ppg

Start Time	End Time	Comment
00:00	02:00	Continue to POOH f/ 3230' t/ surface
02:00	02:30	Drain mud motor and break bit
02:30	03:30	Attempt to pull MWD from monel unsecsesfull laid monel down with MWD still in it
03:30	04:00	lay down all curve BHA, mud motor , monels and pony collar
04:00	05:00	Pick up lateral BHA Gabi motor , monels, pony collar, float sub,
05:00	06:30	Upload and programing MWD tool & Scribe Motor.
06:30	07:30	TIH W/ lateral assembly to 1100'
07:30	08:00	Test MWD @ 1100'
08:00	13:30	Continue TIH W/ lateral assembly F/ 1100' to 10584' Calibrate MWD line up tool face 30 deg left @ 9800', filling pipe every 2000'.
13:30	14:30	W/R F/ 10584' to 10713'
14:30	15:00	Drill 8.75" Lateral F/ 10713' to 10728' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.9 ppg
15:00	15:30	Recalibrate MWD tools.
15:30	16:00	Drill 8.75" Lateral F/ 10728' to 10752' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.9 ppg
16:00	17:30	Recalibrate MWD change out transducers on stand pipe, relog stand
17:30	18:00	Routine rig service lubercate top drive
18:00	21:00	Drill 8.75" Lateral F/ 10752' to 10777' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.9 ppg
21:00	22:00	Work pipe after slide, work tight hole pulling 85k over while holding 15k torque

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
22:00	00:00	Drill 8.75" Lateral F/ 10777' to 10870' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.9 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/27/2013	10/28/2013	(FRR 11-1-2013) Rig service, work on stroke counter to try and fix MWD, work on MWD detection, clean out suction screens, change out valves and seats on #2 mud pump, and swab on #3, Drill lateral f/10870 t/ 11342', Present mud weight 13.7ppg

Start Time	End Time	Comment
00:00	02:30	Drill 8.75" Lateral F/ 10870' to 10965' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
02:30	03:00	Routine rig service, inspect brakes, service drawworks and compound
03:00	07:30	Drill 8.75" Lateral F/ 10965' to 11094' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
07:30	09:30	Work on MWD stroke counter & MWD Detection.
09:30	10:00	Clean out suction screens.
10:00	11:30	Drill 8.75" Lateral F/ 11094' to 11153' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
11:30	12:00	Rig service.
12:00	12:30	Drill 8.75" Lateral F/ 11153' to 11169' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
12:30	14:00	Changing all valves and seat in the # 2 pump, Change swab in # 3 pump.
14:00	00:00	Drill 8.75" Lateral F/ 11169' to 11342' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/28/2013	10/29/2013	(FRR 11-1-2013)Work on MWD , Recycle pump for survey, Restart MWD computer,Working W/ haliburton to get survey recycling and adjusting pumps GPM, Rig service, Drill lateral section f/ 11342' t/ 12002', Present mud weight 13.7

Start Time	End Time	Comment
00:00	05:30	Drill 8.75" Lateral F/ 11342' to 11458' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
05:30	06:00	Rig service.
06:00	08:30	Drill 8.75" Lateral F/ 11458' to 11480' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
08:30	09:00	Trouble shoot MWD.
09:00	09:30	Drill 8.75" Lateral F/ 11480' to 11531' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
09:30	10:00	Rig service.
10:00	12:00	Drill 8.75" Lateral F/ 11531' to 11625' (2 Pumps on the hole @ 93 Strokes.) Present Mwt 13.7 ppg
12:00	13:30	Work on MWD , Recycle pump for survey, Restart MWD computer
13:30	15:30	Drill 8.75" Lateral F/ 11625' to 11719' (2 Pumps on the hole @ 92 & 87 Strokes.) Present Mwt 13.7 ppg
15:30	16:30	Working W/ haliburton to get survey recycling and adjusting pumps GPM
16:30	21:30	Drill 8.75" Lateral F/ 11719' to 11908' (2 Pumps on the hole @ 92 & 87 Strokes.) Present Mwt 13.7 ppg

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
21:30	22:00	Take survey recycling pumps and changing flow rate to attempt to get survey , survey was sucsessfull
22:00	00:00	Drill 8.75" Lateral F/ 11908' to 12002' (2 Pumps on the hole @ 92 & 87 Strokes.) Present Mwt 13.7 ppg

Report Start Date	Report End Date	24hr Activity Summary
10/29/2013	10/30/2013	(FRR 11-8-2013) Recycling pumps , changing flow rates in attempt to get surveys, rig service, Drill lateral / 12002' t/ 12474' present mud weight 13.7ppg

Start Time	End Time	Comment
00:00	00:30	rig service
00:30	08:00	Drill 8.75" Lateral F/ 12002' to 12201' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
08:00	09:00	Wait on MWD survey.
09:00	12:00	Drill 8.75" Lateral F/ 12201' to 12284' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
12:00	13:00	Wait on MWD survey & Wait on tool face.
13:00	16:30	Drill 8.75" Lateral F/ 12284' to 12379' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
16:30	17:30	Wait on survey recycling pumps and changing flow rate
17:30	18:00	Routine rig service
18:00	23:30	Drill 8.75" Lateral F/ 12379' to 12474' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
23:30	00:00	Attempt to take a survey , recycling pumps, changing flow rate

Report Start Date	Report End Date	24hr Activity Summary
10/30/2013	10/31/2013	(FRR 11-8-2013) work on trying to take surveys changing flow rates and recycling pumps, rig service , Drill lateral section f/12474' t/ 12886' present mud weight 13.7ppg

Start Time	End Time	Comment
00:00	01:00	Continue to take survey changing flow rates and recycling pumps
01:00	01:30	Routine rig service
01:30	06:00	Drill 8.75" Lateral F/ 12474' to 12568' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
06:00	06:30	Wait on MWD for survey.
06:30	08:00	Drill 8.75" Lateral F/ 12568' to 12616' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
08:00	08:30	Wait on MWD for survey.
08:30	14:00	Drill 8.75" Lateral F/ 12616' to 12757' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
14:00	14:30	Wait on MWD for survey.
14:30	15:00	Rig service
15:00	16:00	Drill 8.75" Lateral F/ 12757' to 12796' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
16:00	16:30	Wait on survey
16:30	00:00	Drill 8.75" Lateral F/ 12796' to 12886' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg

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Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
10/31/2013	11/1/2013	(FRR 11-8-2013) Rig service, Circulate @ 80 SPM hole unloading silty sand blinding over shaker screens, change shaker screens on both shakers, Drill lateral section f/ 12886' t/13554' present mud weight 13.6ppg Drilled 668' @ 32' per hour

Start Time	End Time	Comment
00:00	01:00	Drill 8.75" Lateral F/ 12886' to 12945' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
01:00	01:30	Rig service.
01:30	04:00	Drill 8.75" Lateral F/ 12945' to 13040' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
04:00	06:00	Shaker screens blinding off fine silt and clay, change out shaker screens.
06:00	16:30	Drill 8.75" Lateral F/ 13040' to 13322' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
16:30	17:00	Rig service.
17:00	00:00	Drill 8.75" Lateral F/ 13322' to 13554' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg

Report Start Date	Report End Date	24hr Activity Summary
11/1/2013	11/2/2013	(FRR 11-8-2013) Drill lateral section f/13554' t/13894',(TD well @ 13894', 11-01-13 @07:30) Circ 4 X BTMS Up And Raise MWT f/ 13.9 ppg to 14.1 ppg Reciprocate and rotate the drill string while circ to aid in hole cleaning & stand 1 stand back per btms up Build Slug Fill Trip Tank Check For Flow (Well Is Static) Pump slug,drop rabbit and POOH f/ 13894' t/ Surface

Start Time	End Time	Comment
00:00	04:30	Drill 8.75" Lateral F/ 13,554' to 13,774' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg
04:30	05:00	Rig Service
05:00	05:30	Circ in aid to cleaning hole
05:30	07:30	Drill 8.75" Lateral F/ 13,774' to 13,894' (2 Pumps on the hole @ 94 & 94 Strokes.) Present Mwt 13.7 ppg (TD WELL @ 07:30 ON 11/01/2013 @ 13,894')
07:30	08:00	Rig Service
08:00	13:30	Circ 4 X BTMS Up And Raise MWT f/ 13.9 ppg to 14.1 ppg Reciprocate and rotate the drill string while circ to aid in hole cleaning & stand 1 stand back per btms up Build Slug Fill Trip Tank Check For Flow (Well Is Static)
13:30	00:00	Pump trip Slug & TOOH To L/D Dir tools & Run Toolpush Logs. f/13894' t/surface

Report Start Date	Report End Date	24hr Activity Summary
11/2/2013	11/3/2013	(FRR 11-8-2013) Downlik MWD data, break bit, lay down MWD tool, XO,HCMI Tool, TM-DM tools, and mud motor, Pull wear bushing, Rig service, inspect drawworks and brake linkages,clean rig floor from OBM, Cut and slip drill line 168', Un Hang Blocks and cal hook load, HPJSM w/ Loggers and P/U & M/U Logging tools, SPC test, regal standoff 6.75", flex jt-pressure compensated,heavy duty dits swivel tool, downhole tension device, gamma telemetry tool, flex jt-pressure compensated , dual spaced neutron , spectral density tool, density insite pad, IQ flex tool, wavesonic insite, regal standoff 6.75" , oil based imaging-instument , oil based inaging mandrel, array compensted true resistivity, sonde section, SP ring, Bull nose, M/U Logging tools to drill pipe and TIH @ 80' per min. Fill pipe every 2000' Trip in hole from surface t/8449', PJSM with Halliburton logger, rig up sheaves in derrick, make up side entry sub, run in with wireline latch up tool and sync and insure tools are communicating, clamp down wire line to sub, and hook up and run line through snatch block

Start Time	End Time	Comment
00:00	03:00	Downlik MWD data, break bit, lay down MWD tool, XO,HCMI Tool, TM-DM tools, and mud motor
03:00	03:30	Pull wear bushing

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
03:30	04:00	Rig service, inspect drawworks and brake linkages
04:00	04:30	Clean rig floor of OBM
04:30	07:30	Cut and slip drill line 168'
07:30	08:00	Un Hang Blocks and cal hook load
08:00	08:30	Clean Rig Floor Of OBM
08:30	12:30	HPJSM w/ Loggers and P/U & M/U Logging tools, SPC test, regal standoff 6.75", flex jt-pressure compensated,heavy duty dits swivel tool, downhole tension device, gamma telemetry tool, flex jt-pressure compensated , dual spaced neutron , spectral density tool, density insite pad, IQ flex tool, wavesonic insite, regal standoff 6.75" , oil based imaging-instument , oil based inaging mandrel, array compensted true resistivity, sonde section, SP ring, Bull nose
12:30	20:00	M/U Logging tools to drill pipe and TIH @ 80' per min. Fill pipe every 2000' Trip in hole from surface t/8449'
20:00	00:00	PJSM with Halliburton logger, rig up sheaves in derrick, make up side entry sub, run in with wireline latch up tool and sync and insure tools are communicating, clamp down wire line to sub, and hook up and run line through snatch block

Report Start Date	Report End Date	24hr Activity Summary
11/3/2013	11/4/2013	(FRR 11-8-2013) Rig service, Work with NOV mechanic to fix ST-80 change back pressure valve, Waiting on Element and flow meter to arrive on location in route from grand juction. No success on trouble shooting the ST-80. Changed out ST-80 With a new one. (Monitor Well On Trip Tank While Working On the ST-80),TIH w/ Wireline and tool push logs @ 40' Per Min in OH f/ 8,505 to 13856', Circulate bottoms up @ 90 spm, kill pumps and flow check (well static), pump trip slug, TOOH f/13856' t/ @ 15 ft per min while logging the hole

Start Time	End Time	Comment
00:00	00:30	Rig Service
00:30	12:30	Work with NOV mechanic to fix ST-80 change back pressure valve, Waiting on Element and flow meter to arrive on location in route from grand juction. No success on trouble shooting the ST-80. Changed out ST-80 With a new one. (Monitor Well On Trip Tank While Working On the ST-80)
12:30	18:00	TIH w/ Wireline and tool push logs @ 40' Per Min in OH f/ 8,505 to 13856'
18:00	21:00	Circulate bottoms up @ 90 spm, kill pumps and flow check (well static), pump trip slug
21:00	00:00	TOOH f/13856' t/ 11,944 @ 15 ft per min while logging the hole

Report Start Date	Report End Date	24hr Activity Summary
11/4/2013	11/5/2013	(FRR 11-8-2013) TOOH f/11,944' t/ 8,450' @ 15 ft per min while logging the hole. (While Monitoring Well On Trip Tank), JSA with halliburton loggers, unclamp wireline from side entry sub pull wireline , rig down all related equipment, L/D 5" Drill Pipe f/ 8450 to Surface & L/D Halliburton Logging tools, Lay down halliburtons logging tools and related equipment, TIH with 5500' of drill pipe from derrick, Lay down drill pipe with hydralic pipe wrangler

Start Time	End Time	Comment
00:00	04:30	TOOH f/11,944' t/ 8,450' @ 15 ft per min while logging the hole. (While Monitoring Well On Trip Tank)
04:30	07:00	JSA with halliburton loggers, unclamp wireline from side entry sub pull wireline , rig down all related equipment
07:00	16:30	L/D 5" Drill Pipe f/ 8450 to Surface & L/D Halliburton Logging tools
16:30	18:30	Lay down halliburtons logging tools and related equipment

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
18:30	21:00	TIH with 5473' of drill pipe from derrick
21:00	00:00	Lay down drill pipe with hydralic pipe wrangler f/5473 t/ 1091'

Report Start Date	Report End Date	24hr Activity Summary
11/5/2013	11/6/2013	(FRR 11-8-2013)Continue to lay down drill pipe f/ 1091' t/ surface, Routine rig service, inspect brake linkages , drawworks, and fuction test BOP, Rig up franks casing crew, Bails, side door elevators, power tongs, tawg tool, and all other related equipment, Wait on new landing joint from halliburton yard, Cont to 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, 2- Full jt, 1- RSI toe sleeve, 21- full jts, 1- Marker jt, 83- Full jts, 1- Marker jt, 222 full jts 1- Marker jt, to 10598',Filling pipe every 2000'

Start Time	End Time	Comment
00:00	00:30	Continue to lay down drill pipe f/ 1091' t/ surface
00:30	01:00	Routine rig service, inspect brake linkages , drawworks, and fuction test BOP
01:00	01:30	Clean rig of slip and trip hazards, rig down bails and elevators
01:30	03:30	Rig up franks casing crew, Bails, side door elevators, power tongs, tawg tool, and all other related equipment
03:30	04:00	Make up shoe, 1 jt, float collar, 1 jt, cross threaded box on landing collar
04:00	06:30	Wait on new landing joint from halliburton yard
06:30	07:00	Routine rig service, inspect brake linkages , drawworks, and fuction test BOP
07:00	20:30	Cont to 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, 2- Full jt, 1- RSI toe sleeve, 21- full jts, 1- Marker jt, 83- Full jts, 1- Marker jt, 222 full jts 1- Marker jt, to 9000',Filling pipe every 2000'
20:30	22:00	Circulate bottoms up at top of the curve 9000' @ 106 SPM, 809 PSI standpipe, 271 units of gas
22:00	00:00	Continue to 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, 2- Full jt, 1- RSI toe sleeve, 21- full jts, 1- Marker jt, 83- Full jts, 1- Marker jt, 222 full jts 1- Marker jt, f/9000' t/10598'

Report Start Date	Report End Date	24hr Activity Summary
11/6/2013	11/7/2013	(FRR 11-8-2013) Continue to Run 20# 5.5" P-110 Tenaris XP, Rig down casing crew, Make up cement head, Circulate 3X bottoms up @ 13,889', PJSM Halliburton Cementing Crews, Spot Halliburton Trucks and Rig Up Iron on the ground, Cement 5.5" csg with Halliburton, R/D Halliburton & Related Cement equipment, PJSM W/ JW wireline services on running bridge plug, RIH W/ Retrievable bridge plug.

Start Time	End Time	Comment
00:00	04:30	Continue to 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, 2- Full jt, 1- RSI toe sleeve, 21- full jts, 1- Marker jt, 83- Full jts, 1- Marker jt, 222 full jts 1- Marker jt, f/10598' t/13892'
04:30	10:00	Rig down casing crew, bails, elevators,tawg tool, rig up rig bails and elevators, make up cement head Circulate bottoms up @ 3 bpm @ 13,889' While rotating csg @ 5 Rpm & Spot Halliburton Trucks and Rig Up Iron on the ground.
10:00	10:30	HPJSM w/ Halliburton Cementing Crews
10:30	12:00	Remove check gut out of the kill line, Shut Upper Kelly Cock Valve, Tie swivel on cement head to derrick, Shut upper cmt head valve, Rig Up Halliburtons lines onto the cement head.

NEWFIELD

Summary Rig Activity

Well Name: Thompson 4-24-3-4WH

Start Time	End Time	Comment
12:00	18:00	Cement 5.5" csg with Halliburton test lines to 9000 psi, pump tuned spacer 40 bbls , 7.37 gals per sk, 14.5 ppg, mix and pump tergo vis 363 bbls, 1445 sks, 7.42 gps, 15.4 ppg @ 4 bpm, mix and pump lead cement unfoamed, 128.3 bbls, 655 sks, 4.72 gps, 1.10 yield, 15.5 ppg, @ 4 bpm, mix and pump lead #2 foamed cement, 170.4 bbls, 520 sks, 7.45 gps, 1.84 yield, 17.3 ppg, @ 4 bpm, mix and pump tail cement unfoamed, 21.6 bbls, 66 sks, 7.48 gps, 1.84 yield, 17.3 ppg, @ 4 bpm, shut down wash out and drop plug, displace with 3% kcl & .02% Magnacide 575 biocide (.2 Gallons/ 1000), 304 bbls pumped 200 bbls @ 8 bpm w/ 2850 psi slowed down to 4 bpm w/ 3847 psi, final circulating psi 3847, bumped plug with 5000 psi, held for 3 mins and had 4.0 bbl flow back with floats holding, Had full returns through the cement job, Got 20 bbls of diesel, 10 bbls of Water 40 Bbls Of tuned Spacer & 15 bbl of Tergo Vis back to surface. Wash up Halliburton lines.
18:00	20:00	R/D Halliburton & Related Cement equipment.
20:00	21:30	PJSM W/ JW wireline services on running bridge plug.
21:30	00:00	RIH W/ Retrievable bridge plug (wct plug seriel #kf5844 wireline adapter kit kf1050) tool stuck & set @ 2,512' bttm collar @ 2,518' top collar @ 2,475' { tools left in hole 1' 1 11/16" cable head, 5' 3 1/8" weight bar, 1.25' 3 1/8" ccl & 1.5' 3 1/8" quick change}

Report Start Date	Report End Date	24hr Activity Summary
11/7/2013	11/8/2013	(FRR 11-7-2013 @ 18:00 Hrs.) R/D Wireline & Related Equipment. (Cont to Clean Mud Tanks), R/U BOP Winches, N/D Flow Line, Break Bop Bolts on Well Head, P/U Bop Set Slips On Casing w/ 90k, Make rough Cut off & Set Bop back down on wellhead & install bop bolts, R/D Bop winches. Close Blind Rams And open Choke & HCR to monitor well while rigging down, Cont To, R/D Rig Misc equipment in preperation for rig move 203 Days Since Last Accident

Start Time	End Time	Comment
00:00	00:30	R/D Wireline & Related Equipment. (Cont to Clean Mud Tanks)
00:30	06:00	HPJSM w/ Eager Beaver Rig Up casing elevators, Remove rotary bushings, R/U BOP Winches, N/D Flow Line, Break Bop Bolts on Well Head, P/U Bop Set Slips On Casing w/ 90k, Make rough Cut off & Set Bop back down on wellhead & install bop bolts, R/D Bop winches. Close Blind Rams And open Choke & HCR to monitor well while rigging down (Cont to Clean Mud Tanks)
06:00	18:00	(Cont to Clean Mud Tanks) & Cont To, R/D Rig Floor Pull Wind Walls, Rig Down Top Drive & Track, Rig Down Back Yard, Pits, Pumps, Boiler, Light Plant, Peak Solids Control Equip, Gas Buster, & Flare Lines, Flow Line, Move Pipe Racks, Drill Pipe, 400 bbl Uprights, Choke House, Trip Tank, Bulk Bar Hoppers, (Rig Released on 11/7/13 @ 18:00 Hrs) 7 Haul Trucks, 1 Winch Truck, 1 Forklift & 1 Cane on the old Location To move Misc equipment in preperation for rig move . 1 Winch Truck & 1 Forklift, on the New Location. (Ute Tribal 3-17-3-3 WH) TOTAL OF 20 LOADS MOVED OFF OLD LOCATION. Trucks & crane shut down @ 17:30 hrs.
18:00	00:00	Rig Down Top Drive & Track, Rig Down Back Yard, Pits, Pumps, Boiler, Light Plant.