

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 Lamb 12-2-4-1W				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WINDY RIDGE				
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 <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Farrell and Jolene Farnsworth						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-733-0375				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO Box 111, Duchesne, UT 84021						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1975 FSL 1795 FWL		NESW	2	4.0 S	1.0 W	U		
Top of Uppermost Producing Zone		1973 FSL 660 FWL		NWSW	2	4.0 S	1.0 W	U		
At Total Depth		1973 FSL 660 FWL		NWSW	2	4.0 S	1.0 W	U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 40				
27. ELEVATION - GROUND LEVEL 5013			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1141			26. PROPOSED DEPTH MD: 8385 TVD: 8300				
			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
SURF	12.25	8.625	0 - 900	24.0	J-55 ST&C	8.3	Class G	365	1.17	15.8
PROD	7.875	5.5	0 - 8385	17.0	N-80 LT&C	9.0	35/65 Poz	309	3.5	11.0
							50/50 Poz	435	1.35	14.0
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 01/03/2014			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43047542440000				APPROVAL  Permit Manager						

Newfield Production Company
Lamb 12-2-4-1W
NE/SW Section 2, T4S, R1W
Uintah County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	2,840'
Wasatch	7,770'
TD (TVD)	8,300'
TD (MD)	8,385'

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

Green River	2,840' - 7,770'
Wasatch	7,770' - TD

Fresh water may be encountered in the Uinta Formation, but is not expected below about 1191'.

3. Pressure Control

Section BOP Description

Surface 12-1/4" diverter bowl

Production 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 3M system.

A 3M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 3,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Surface 8 5/8	0'	900'	24	J-55	STC	8.33	8.4	12	2,950	1,370	244,000
									5.84	4.73	11.30
Production 5 1/2	0'	8,385'	17	N-80	LTC	8.8	9	--	7,740	6,290	348,000
									2.61	2.06	2.44

Assumptions:

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

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

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

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

Up to 20' of conductor drive pipe may be used, minimum diameter 13 3/8"

5. Cement

Job	Hole Size	Fill	Slurry Description	ft ³	OH excess	Weight (ppg)	Yield (ft ³ /sk)
				sacks			
Surface	12 1/4	900'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	427	15%	15.8	1.17
				365			
Production Lead	7 7/8	5,435'	35/65 Poz/Type II + 5% bentonite	1083	15%	11.0	3.5
				309			
Production Tail	7 7/8	2,950'	50/50 Poz/Type II	588	15%	14.0	1.35
				435			

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

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
Surface - 900'	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. A diverter bowl will be used in place of a rotating head. Water will be on location to be used as kill fluid, if necessary.
900' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 9.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD 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 Gamma Ray log will be run from TD to surface. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

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

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.46 psi/ft gradient.

$$8,385' \times 0.46 \text{ psi/ft} = 3837 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

This is planned as a directional well. A directional plan will be included.

Newfield requests the following Variances from Onshore Order # 2:

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

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

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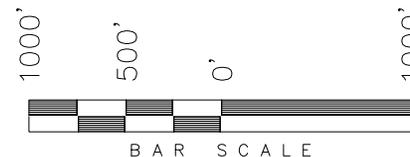
T4S, R1W, U.S.B.&M.

N89°16'58"E - 5252.87' (Meas.)

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 12-2-4-1W,
 LOCATED AS SHOWN IN THE NE 1/4
 SW 1/4 OF SECTION 2, T4S, R1W,
 U.S.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, 12-2-4-1W,
 LOCATED AS SHOWN IN THE NW 1/4
 SW 1/4 OF SECTION 2, T4S, R1W,
 U.S.B.&M. UTAH COUNTY, UTAH.



NOTES:

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

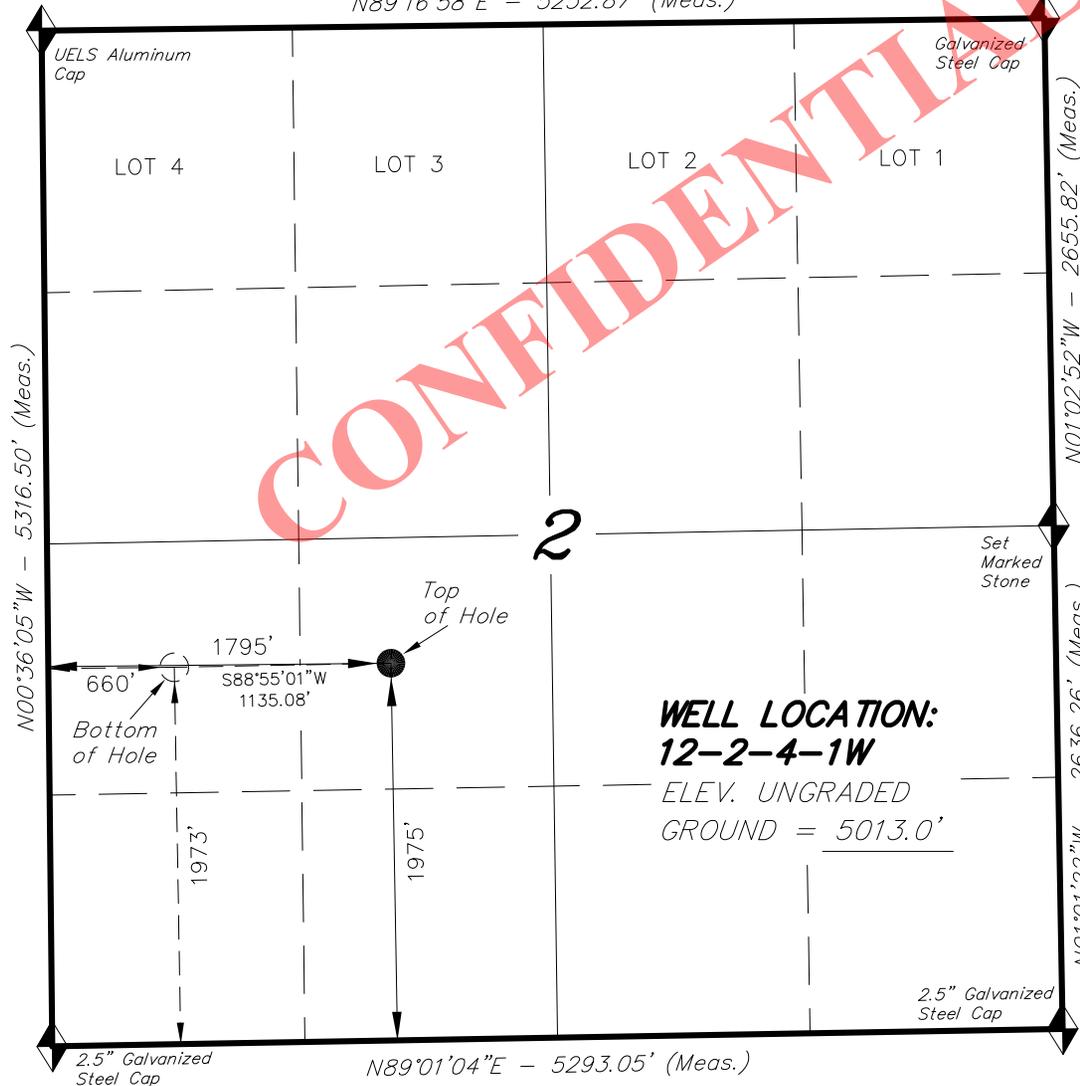
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
 11-27-13
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 11-21-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 11-22-13	DRAWN BY: V.H.	V2
REVISED: 11-27-13 V.H.	SCALE: 1" = 1000'	



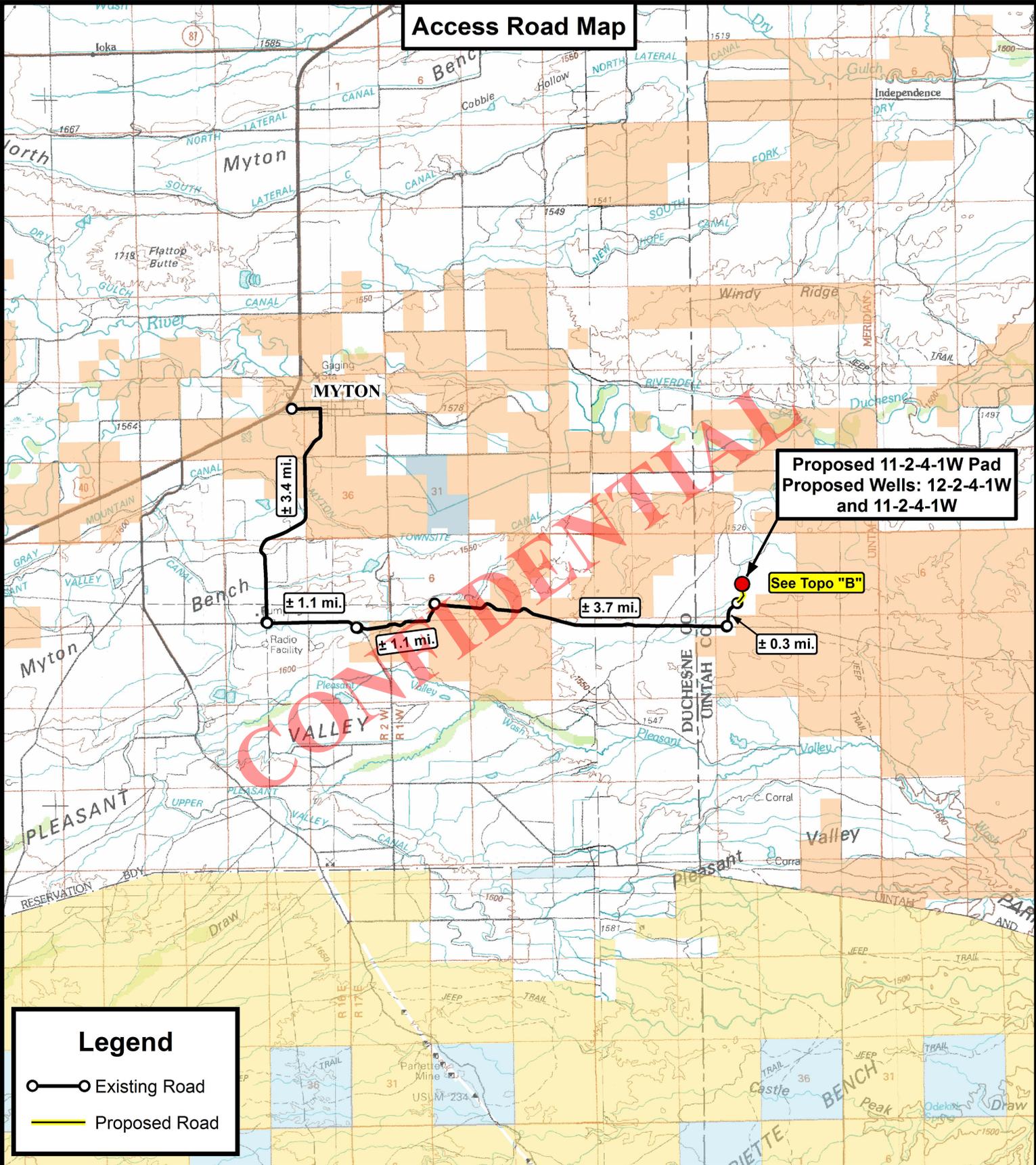
**WELL LOCATION:
 12-2-4-1W**
 ELEV. UNGRADED
 GROUND = 5013.0'

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°09'44.02"
LONGITUDE = 109°57'59.83"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°09'44.16"
LONGITUDE = 109°57'57.29"
NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°09'44.00"
LONGITUDE = 109°58'14.44"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°09'44.14"
LONGITUDE = 109°58'11.91"

◆ = 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'

Access Road Map



Legend

- Existing Road
- Proposed Road



Tri State Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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



NEWFIELD EXPLORATION COMPANY

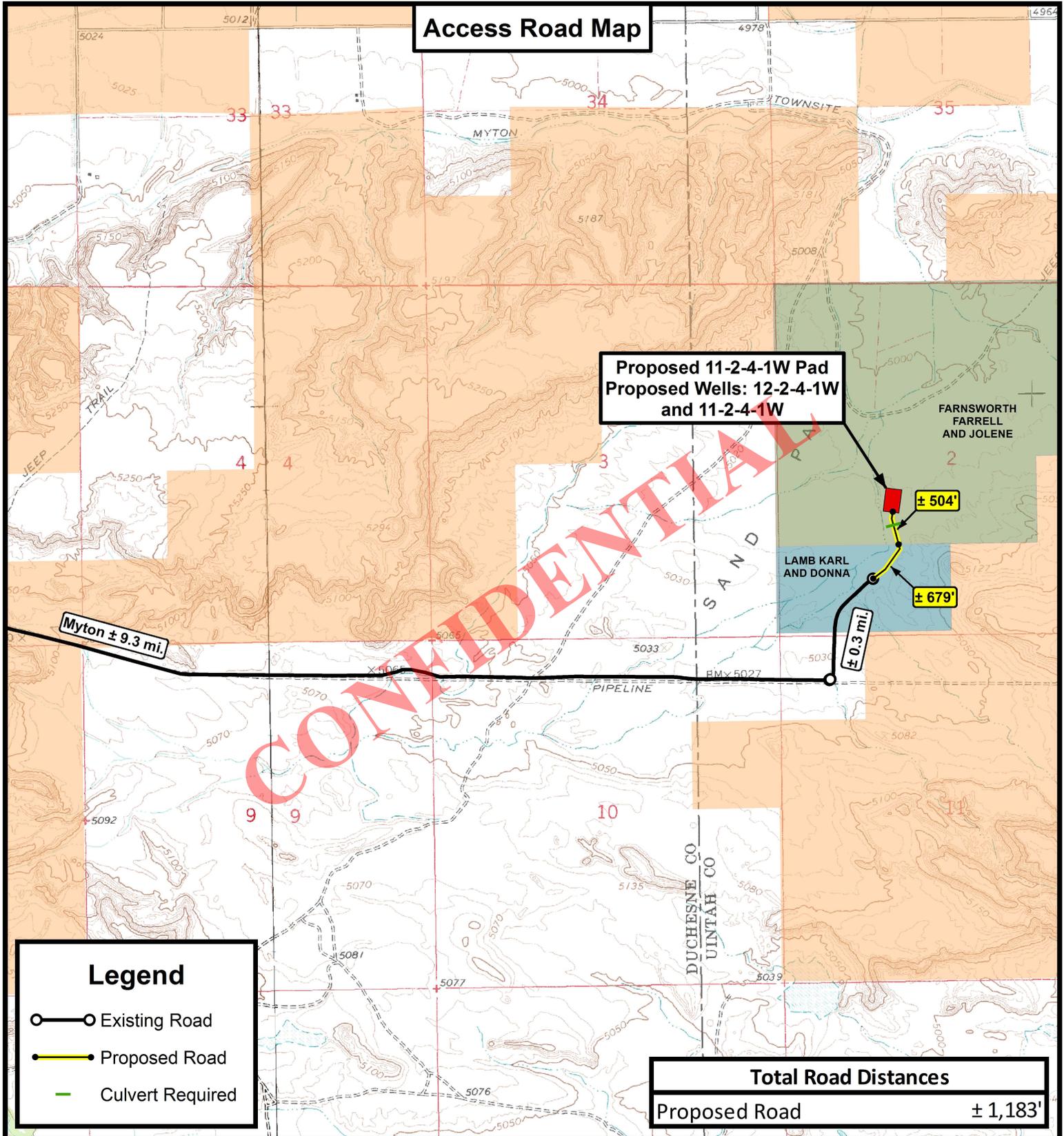
Proposed 11-2-4-1W Pad
 Proposed Wells: 12-2-4-1W and 11-2-4-1W
 Sec. 2, T4S, R1W, U.S.B.&M.
 Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:
DATE:	11-25-2013			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET **A**

Access Road Map



Legend

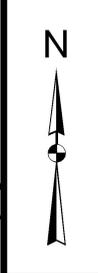
- Existing Road
- Proposed Road
- Culvert Required

Total Road Distances	
Proposed Road	± 1,183'

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.
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NEWFIELD EXPLORATION COMPANY

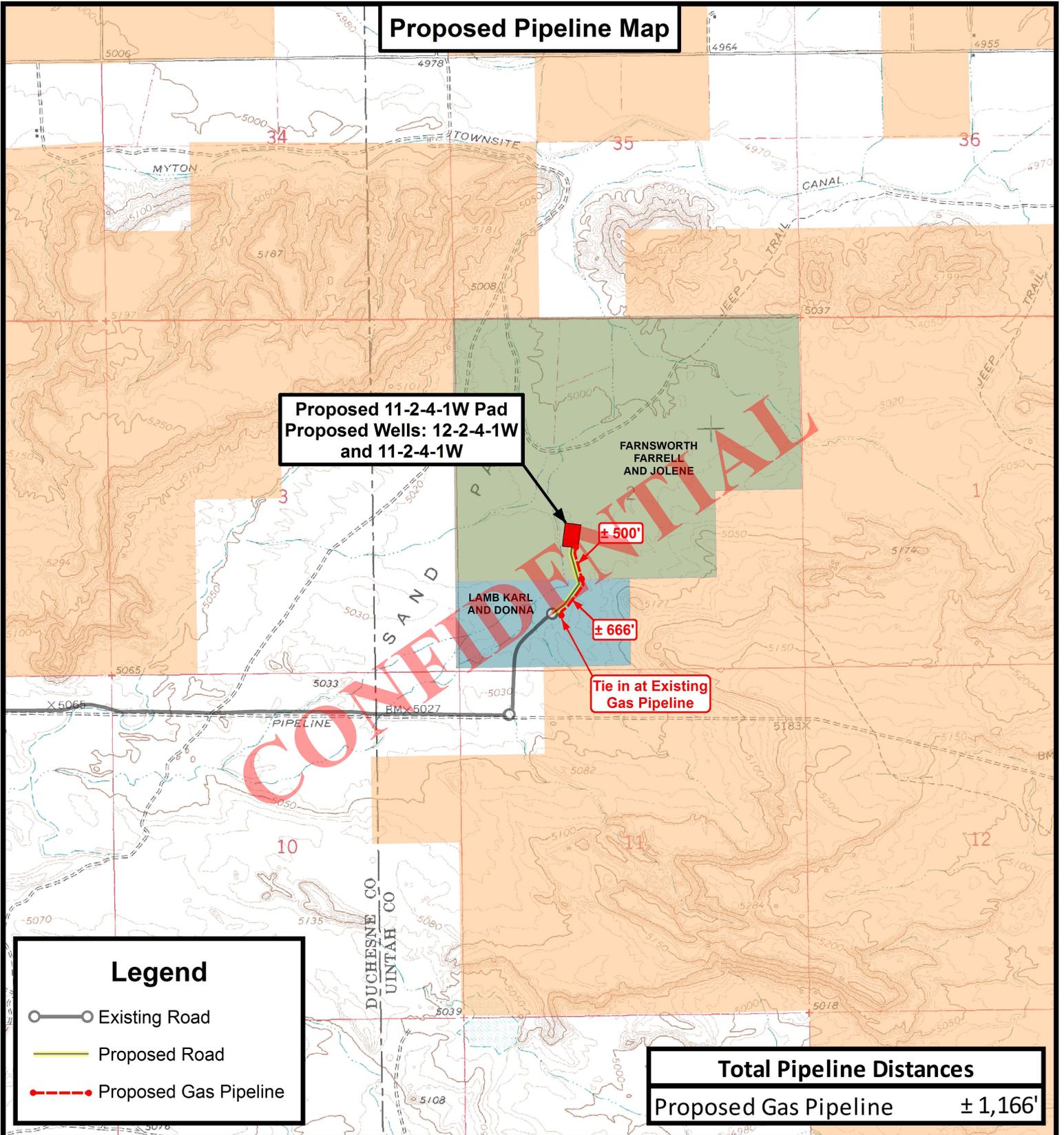
Proposed 11-2-4-1W Pad
 Proposed Wells: 12-2-4-1W and 11-2-4-1W
 Sec. 2, T4S, R1W, U.S.B.&M.
 Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:
DATE:	11-25-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET **B**

Proposed Pipeline Map



**Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W
and 11-2-4-1W**

FARNSWORTH
FARRELL
AND JOLENE

LAMB KARL
AND DONNA

± 500'

± 666'

**Tie in at Existing
Gas Pipeline**

Legend

- Existing Road
- Proposed Road
- Proposed Gas Pipeline

Total Pipeline Distances

Proposed Gas Pipeline ± 1,166'

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NEWFIELD EXPLORATION COMPANY

Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W and 11-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:
DATE:	11-25-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W
and 11-2-4-1W**

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Legend

-  1 Mile Radius
-  Proposed Location

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NEWFIELD EXPLORATION COMPANY
Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W and 11-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:
DATE:	11-25-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
D



NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 2 T4S, R1W
12-2-4-1W

Wellbore #1

Plan: Design #1

Standard Planning Report

02 January, 2014

CONFIDENTIAL





Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Well 12-2-4-1W
Company:	NEWFIELD EXPLORATION	TVD Reference:	12-2-4-1W @ 5023.0usft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	12-2-4-1W @ 5023.0usft (Original Well Elev)
Site:	SECTION 2 T4S, R1W	North Reference:	True
Well:	12-2-4-1W	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	SECTION 2 T4S, R1W				
Site Position:	Northing:	7,232,211.31 usft	Latitude:	40° 9' 50.991 N	
From: Map	Easting:	2,069,879.27 usft	Longitude:	109° 57' 47.540 W	
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.98 °

Well	12-2-4-1W, SHL LAT: 40 09 44.02 LONG: -109 57 59.83					
Well Position	+N/-S	-705.4 usft	Northing:	7,231,489.66 usft	Latitude:	40° 9' 44.020 N
	+E/-W	-954.1 usft	Easting:	2,068,937.44 usft	Longitude:	109° 57' 59.830 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,023.0 usft	Ground Level:	5,013.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	1/2/2014	(°)	(°)	(nT)
			10.96	65.85	52,099

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	268.92

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,180.7	8.71	268.92	1,178.4	-0.8	-44.0	1.50	1.50	0.00	268.92	
8,385.3	8.71	268.92	8,300.0	-21.4	-1,134.9	0.00	0.00	0.00	0.00	12-2-4-1W TGT



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Well 12-2-4-1W
Company:	NEWFIELD EXPLORATION	TVD Reference:	12-2-4-1W @ 5023.0usft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	12-2-4-1W @ 5023.0usft (Original Well Elev)
Site:	SECTION 2 T4S, R1W	North Reference:	True
Well:	12-2-4-1W	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	268.92	700.0	0.0	-1.3	1.3	1.50	1.50	0.00
800.0	3.00	268.92	799.9	-0.1	-5.2	5.2	1.50	1.50	0.00
900.0	4.50	268.92	899.7	-0.2	-11.8	11.8	1.50	1.50	0.00
1,000.0	6.00	268.92	999.3	-0.4	-20.9	20.9	1.50	1.50	0.00
1,100.0	7.50	268.92	1,098.6	-0.6	-32.7	32.7	1.50	1.50	0.00
1,180.7	8.71	268.92	1,178.4	-0.8	-44.0	44.1	1.50	1.50	0.00
1,200.0	8.71	268.92	1,197.5	-0.9	-47.0	47.0	0.00	0.00	0.00
1,300.0	8.71	268.92	1,296.4	-1.2	-62.1	62.1	0.00	0.00	0.00
1,400.0	8.71	268.92	1,395.2	-1.5	-77.3	77.3	0.00	0.00	0.00
1,500.0	8.71	268.92	1,494.1	-1.7	-92.4	92.4	0.00	0.00	0.00
1,600.0	8.71	268.92	1,592.9	-2.0	-107.5	107.6	0.00	0.00	0.00
1,700.0	8.71	268.92	1,691.8	-2.3	-122.7	122.7	0.00	0.00	0.00
1,800.0	8.71	268.92	1,790.6	-2.6	-137.8	137.8	0.00	0.00	0.00
1,900.0	8.71	268.92	1,889.5	-2.9	-153.0	153.0	0.00	0.00	0.00
2,000.0	8.71	268.92	1,988.3	-3.2	-168.1	168.1	0.00	0.00	0.00
2,100.0	8.71	268.92	2,087.2	-3.5	-183.2	183.3	0.00	0.00	0.00
2,200.0	8.71	268.92	2,186.0	-3.7	-198.4	198.4	0.00	0.00	0.00
2,300.0	8.71	268.92	2,284.9	-4.0	-213.5	213.6	0.00	0.00	0.00
2,400.0	8.71	268.92	2,383.7	-4.3	-228.7	228.7	0.00	0.00	0.00
2,500.0	8.71	268.92	2,482.6	-4.6	-243.8	243.8	0.00	0.00	0.00
2,600.0	8.71	268.92	2,581.4	-4.9	-258.9	259.0	0.00	0.00	0.00
2,700.0	8.71	268.92	2,680.2	-5.2	-274.1	274.1	0.00	0.00	0.00
2,800.0	8.71	268.92	2,779.1	-5.5	-289.2	289.3	0.00	0.00	0.00
2,900.0	8.71	268.92	2,877.9	-5.7	-304.4	304.4	0.00	0.00	0.00
3,000.0	8.71	268.92	2,976.8	-6.0	-319.5	319.6	0.00	0.00	0.00
3,100.0	8.71	268.92	3,075.6	-6.3	-334.6	334.7	0.00	0.00	0.00
3,200.0	8.71	268.92	3,174.5	-6.6	-349.8	349.8	0.00	0.00	0.00
3,300.0	8.71	268.92	3,273.3	-6.9	-364.9	365.0	0.00	0.00	0.00
3,400.0	8.71	268.92	3,372.2	-7.2	-380.1	380.1	0.00	0.00	0.00
3,500.0	8.71	268.92	3,471.0	-7.5	-395.2	395.3	0.00	0.00	0.00
3,600.0	8.71	268.92	3,569.9	-7.7	-410.3	410.4	0.00	0.00	0.00
3,700.0	8.71	268.92	3,668.7	-8.0	-425.5	425.6	0.00	0.00	0.00
3,800.0	8.71	268.92	3,767.6	-8.3	-440.6	440.7	0.00	0.00	0.00
3,900.0	8.71	268.92	3,866.4	-8.6	-455.8	455.9	0.00	0.00	0.00
4,000.0	8.71	268.92	3,965.3	-8.9	-470.9	471.0	0.00	0.00	0.00
4,100.0	8.71	268.92	4,064.1	-9.2	-486.1	486.1	0.00	0.00	0.00
4,200.0	8.71	268.92	4,162.9	-9.4	-501.2	501.3	0.00	0.00	0.00
4,300.0	8.71	268.92	4,261.8	-9.7	-516.3	516.4	0.00	0.00	0.00
4,400.0	8.71	268.92	4,360.6	-10.0	-531.5	531.6	0.00	0.00	0.00
4,500.0	8.71	268.92	4,459.5	-10.3	-546.6	546.7	0.00	0.00	0.00
4,600.0	8.71	268.92	4,558.3	-10.6	-561.8	561.9	0.00	0.00	0.00
4,700.0	8.71	268.92	4,657.2	-10.9	-576.9	577.0	0.00	0.00	0.00
4,800.0	8.71	268.92	4,756.0	-11.2	-592.0	592.1	0.00	0.00	0.00
4,900.0	8.71	268.92	4,854.9	-11.4	-607.2	607.3	0.00	0.00	0.00
5,000.0	8.71	268.92	4,953.7	-11.7	-622.3	622.4	0.00	0.00	0.00
5,100.0	8.71	268.92	5,052.6	-12.0	-637.5	637.6	0.00	0.00	0.00
5,200.0	8.71	268.92	5,151.4	-12.3	-652.6	652.7	0.00	0.00	0.00



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Well 12-2-4-1W
Company:	NEWFIELD EXPLORATION	TVD Reference:	12-2-4-1W @ 5023.0usft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	12-2-4-1W @ 5023.0usft (Original Well Elev)
Site:	SECTION 2 T4S, R1W	North Reference:	True
Well:	12-2-4-1W	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,300.0	8.71	268.92	5,250.3	-12.6	-667.7	667.9	0.00	0.00	0.00	
5,400.0	8.71	268.92	5,349.1	-12.9	-682.9	683.0	0.00	0.00	0.00	
5,500.0	8.71	268.92	5,448.0	-13.2	-698.0	698.1	0.00	0.00	0.00	
5,600.0	8.71	268.92	5,546.8	-13.4	-713.2	713.3	0.00	0.00	0.00	
5,700.0	8.71	268.92	5,645.6	-13.7	-728.3	728.4	0.00	0.00	0.00	
5,800.0	8.71	268.92	5,744.5	-14.0	-743.4	743.6	0.00	0.00	0.00	
5,900.0	8.71	268.92	5,843.3	-14.3	-758.6	758.7	0.00	0.00	0.00	
6,000.0	8.71	268.92	5,942.2	-14.6	-773.7	773.9	0.00	0.00	0.00	
6,100.0	8.71	268.92	6,041.0	-14.9	-788.9	789.0	0.00	0.00	0.00	
6,200.0	8.71	268.92	6,139.9	-15.2	-804.0	804.1	0.00	0.00	0.00	
6,300.0	8.71	268.92	6,238.7	-15.4	-819.1	819.3	0.00	0.00	0.00	
6,400.0	8.71	268.92	6,337.6	-15.7	-834.3	834.4	0.00	0.00	0.00	
6,500.0	8.71	268.92	6,436.4	-16.0	-849.4	849.6	0.00	0.00	0.00	
6,600.0	8.71	268.92	6,535.3	-16.3	-864.6	864.7	0.00	0.00	0.00	
6,700.0	8.71	268.92	6,634.1	-16.6	-879.7	879.9	0.00	0.00	0.00	
6,800.0	8.71	268.92	6,733.0	-16.9	-894.8	895.0	0.00	0.00	0.00	
6,900.0	8.71	268.92	6,831.8	-17.2	-910.0	910.2	0.00	0.00	0.00	
7,000.0	8.71	268.92	6,930.7	-17.4	-925.1	925.3	0.00	0.00	0.00	
7,100.0	8.71	268.92	7,029.5	-17.7	-940.3	940.4	0.00	0.00	0.00	
7,200.0	8.71	268.92	7,128.3	-18.0	-955.4	955.6	0.00	0.00	0.00	
7,300.0	8.71	268.92	7,227.2	-18.3	-970.6	970.7	0.00	0.00	0.00	
7,400.0	8.71	268.92	7,326.0	-18.6	-985.7	985.9	0.00	0.00	0.00	
7,500.0	8.71	268.92	7,424.9	-18.9	-1,000.8	1,001.0	0.00	0.00	0.00	
7,600.0	8.71	268.92	7,523.7	-19.2	-1,016.0	1,016.2	0.00	0.00	0.00	
7,700.0	8.71	268.92	7,622.6	-19.4	-1,031.1	1,031.3	0.00	0.00	0.00	
7,800.0	8.71	268.92	7,721.4	-19.7	-1,046.3	1,046.4	0.00	0.00	0.00	
7,900.0	8.71	268.92	7,820.3	-20.0	-1,061.4	1,061.6	0.00	0.00	0.00	
8,000.0	8.71	268.92	7,919.1	-20.3	-1,076.5	1,076.7	0.00	0.00	0.00	
8,100.0	8.71	268.92	8,018.0	-20.6	-1,091.7	1,091.9	0.00	0.00	0.00	
8,200.0	8.71	268.92	8,116.8	-20.9	-1,106.8	1,107.0	0.00	0.00	0.00	
8,300.0	8.71	268.92	8,215.7	-21.2	-1,122.0	1,122.2	0.00	0.00	0.00	
8,385.3	8.71	268.92	8,300.0	-21.4	-1,134.9	1,135.1	0.00	0.00	0.00	
12-2-4-1W TGT										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
12-2-4-1W TGT	0.00	0.00	8,300.0	-21.4	-1,134.9	7,231,448.82	2,067,803.10	40° 9' 43.808 N	109° 58' 14.449 W	
- hit/miss target										
- Shape										
- plan hits target center										
- Circle (radius 75.0)										

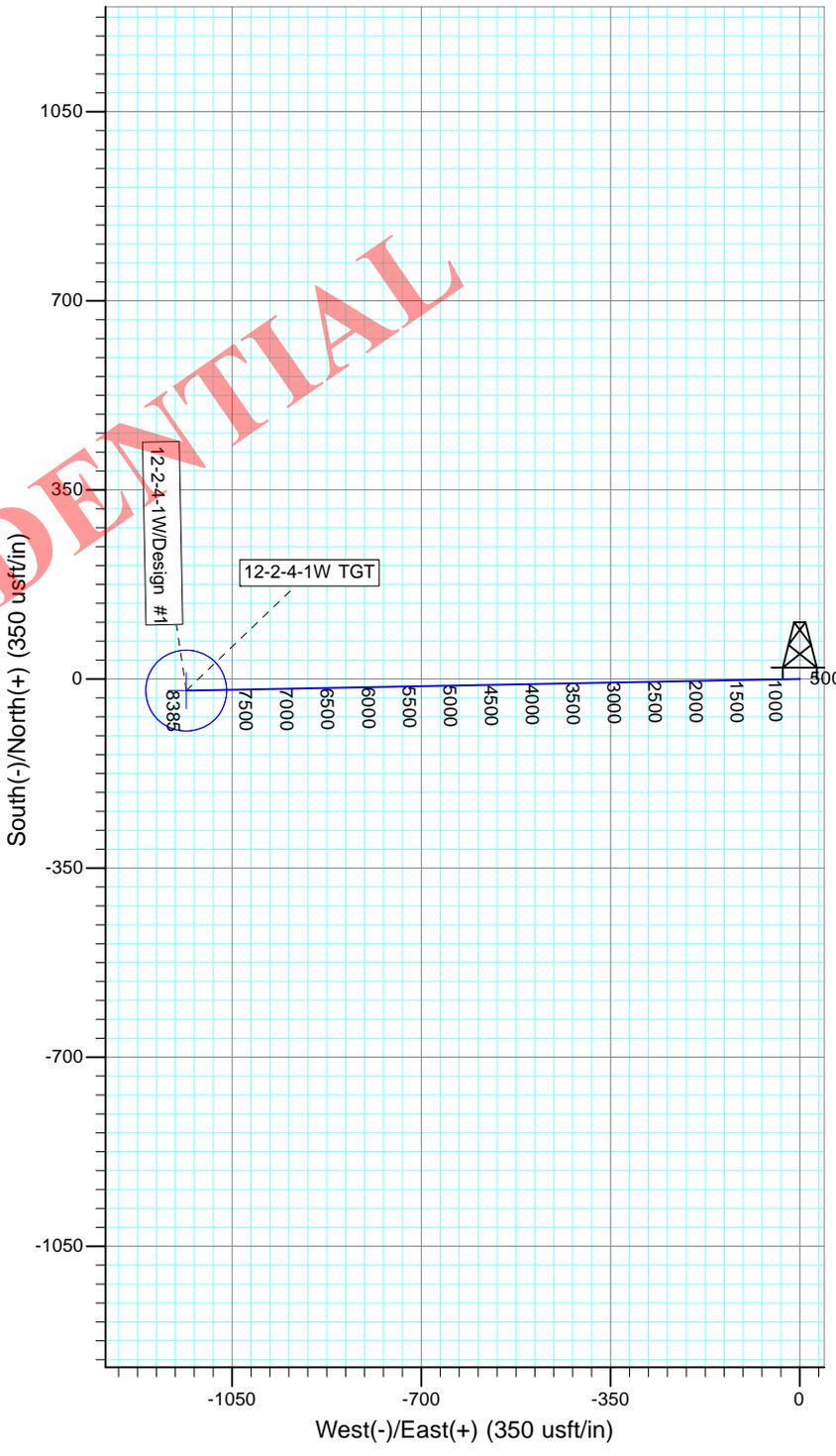
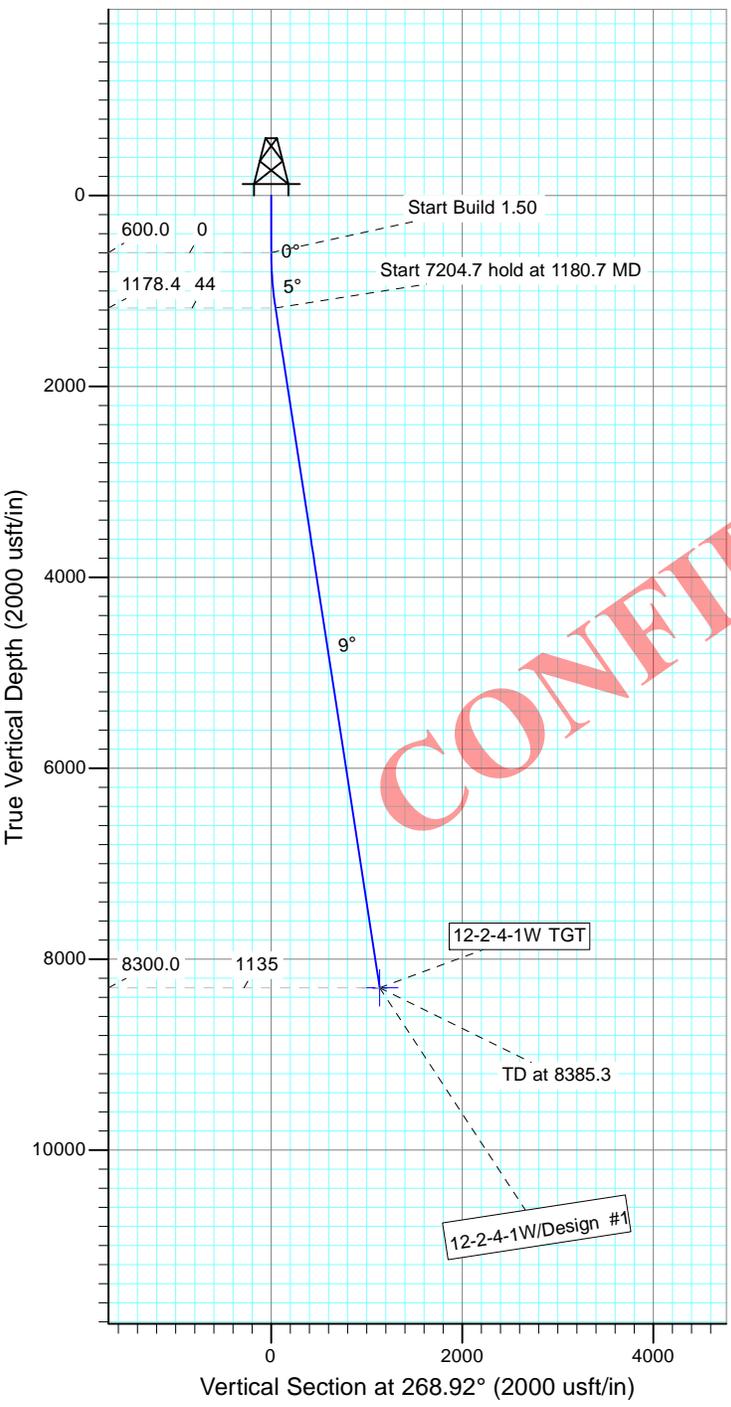


Project: USGS Myton SW (UT)
 Site: SECTION 2 T4S, R1W
 Well: 12-2-4-1W
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 10.96°

Magnetic Field
 Strength: 52099.2snT
 Dip Angle: 65.85°
 Date: 1/2/2014
 Model: IGRF2010



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WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
12-2-4-1W TGB300.0		-21.4	-1134.9	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1180.7	8.71	268.92	1178.4	-0.8	-44.0	1.50	268.92	44.1	
4	8385.3	8.71	268.92	8300.0	-21.4	-1134.9	0.00	0.00	1135.1	12-2-4-1W TGT



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

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

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Lamb 12-2-4-1W well with a surface location to be positioned in the NESW of Section 2, Township 4 South, Range 1 West, Uintah County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Farrell and Jolene Farnsworth whose address is P.O. Box 111, Duchesne, UT 84021 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated December 20, 2013 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.



Peter Burns

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ACKNOWLEDGEMENT

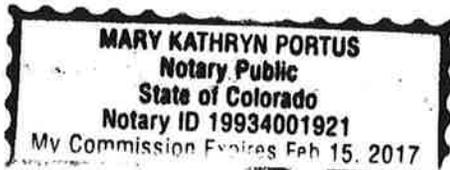
STATE OF COLORADO §
 §
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 13th day of January, 2014, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:



**NEWFIELD PRODUCTION COMPANY
LAMB 12-2-4-1W
AT SURFACE: NE/SW SECTION 2, T4S, R1W
UINTAH COUNTY, UTAH**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

The onsite inspection for this pad will need to be set up as soon as the APD is received by the State of Utah DOGM. This is a new pad with a proposed vertical well as well as a directional 40 acre well.

1. EXISTING ROADS

- a) To reach Newfield Production Company well location site Lamb 12-2-4-1W, proceed in a southerly direction out of Myton, approximately 3.4 miles to it's junction with an existing road to the east; proceed in a easterly direction approximately 5.9 miles to it's junction with an existing road to the northeast; proceed in a northeasterly direction approximately 0.3 miles to it's junction with the beginning of the proposed access road to the northeast; proceed in a northeasterly direction along the proposed access road approximately 1,183' to the proposed well location.
- b) The proposed location is approximately 9.8 miles southeast of Myton, Utah
- c) Existing native surface roads in the area range from clays to a sandy-clay shale material.
- d) Access roads will be maintained at the standards required by UDOT, Duchesne County or other controlling agencies. This maintenance will consist of some minor grader work for road surfacing and snow removal. Any necessary fill material for repair will be purchased and hauled from private sources.

2. PLANNED ACCESS ROAD

- a) Approximately 1,183 feet of access road trending notheast is planned. The planned access consists of entirely new disturbance across entirely private surface. See attached Topographic Map "B".
- b) The planned access road will consist of a 20-foot permanent running surface crowned and ditched in order to handle any run-off from any precipitation events. The maximum grade will be 10% or less.
- c) Adequate drainage structures, where necessary, would be incorporated into the construction of the access road to prevent soil erosion and accommodate all-weather traffic.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

- a) Refer to Topographic Map "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- a) There are no existing facilities that will be utilized.
- b) It is anticipated that this well will be a producing oil well with some associated natural gas.

- c) Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.
- d) Tank batteries will be built to Federal Gold Book specifications.
- e) All permanent above-ground structures would be painted a flat, non-reflective covert green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation (weather permitting). Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- f) Newfield Production Company proposes 1,166' of proposed gas pipeline. The proposed pipeline corridor across entirely Fee surface connecting existing pipeline corridor on Fee surface. See attached Topographic Map "C".
- g) Where parallel corridors exist the disturbed area will be 60 feet wide to allow for construction of the proposed access road and pipeline corridor. The pipeline corridor will consist of a 12-inch or smaller natural gas pipeline and a 6-inch or smaller fuel gas line.
- h) The pipeline will tie in to the existing Newfield pipeline infrastructure. The construction phase of the planned access road, proposed pipelines will last approximately (10) days.
- i) The centerline of the proposed route will be staked prior to installation. Pipelines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated.
- j) Lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country, travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet to adequately support the equipment.

5. **LOCATION AND TYPE OF WATER SUPPLY**

- a) Newfield Production will transport water by truck from nearest water source. The available water sources are as follows:
 - Johnson Water District (Water Right : 43-7478)
 - Maurice Harvey Pond (Water Right: 47-1358)
 - Neil Moon Pond (Water Right: 43-11787)
 - Newfield Collector Well (Water Right: 47-1817 - A30414DVA, contracted with the Duchesne County Conservancy District).

6. **SOURCE OF CONSTRUCTION MATERIALS**

- a) Construction material for this access road will be borrowed material accumulated during construction of the access road. If any additional borrow or gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

- a) A small pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM.
- b) The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.
- c) A portable toilet will be provided for human waste.
- d) A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.
- e) After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.
- f) All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Newfield Production Company guarantees that during the drilling and completion of the referenced well, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the referenced well, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

8. **ANCILLARY FACILITIES**

- a) There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

- a) See attached Location Layout Sheet.

Fencing Requirements

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
 3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- b) The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE:

- a) Producing Location
1. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.
 2. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting; the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.
- b) Dry Hole Abandoned Location
1. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP

- a) Farrell and Jolene Farnsworth.

12. OTHER ADDITIONAL INFORMATION

- a) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On federal administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- b) A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Location and Reserve Pit Reclamation

Please refer to the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #12-2-4-1W, Section 2, Township 4S, Range 1W: Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Nationwide Bond #B001834.

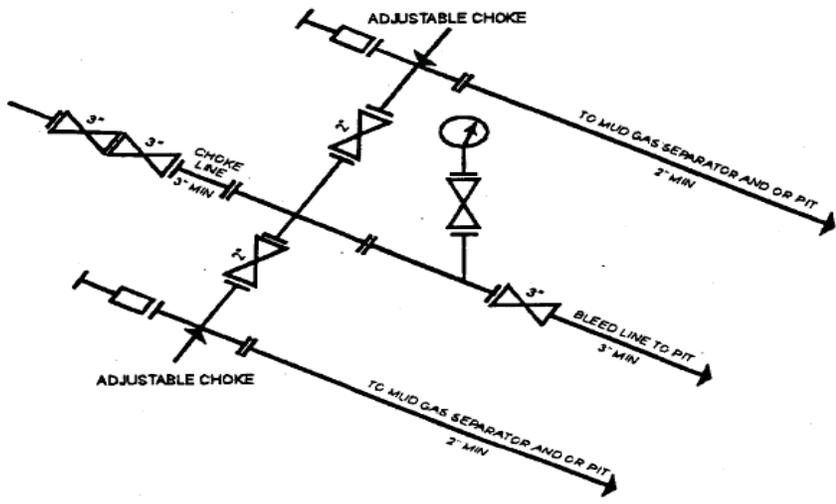
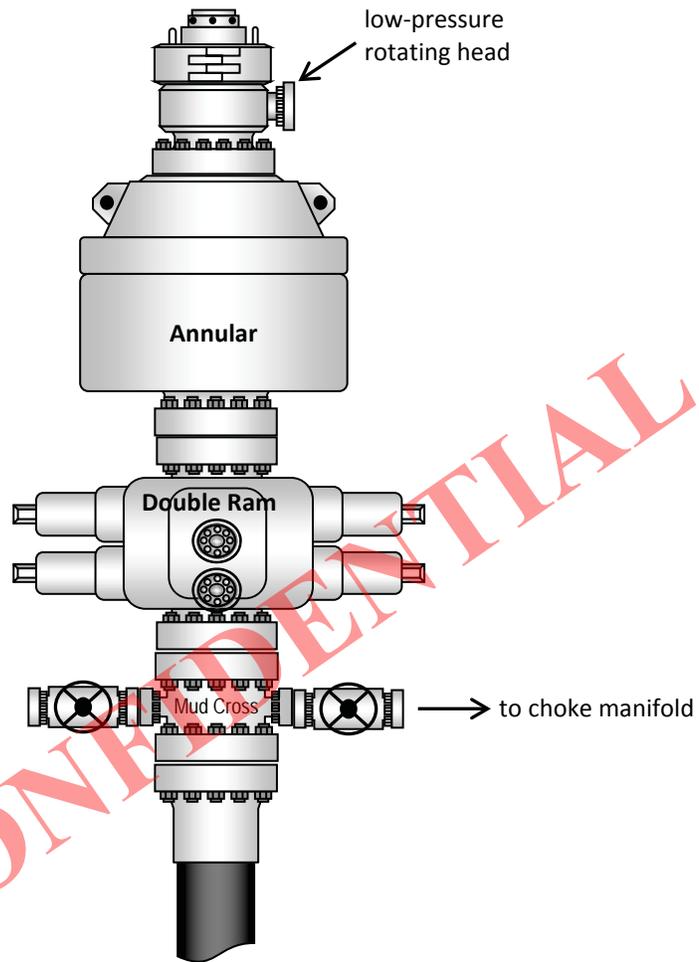
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

Date 1/3/14

Mandie Crozier
Regulatory Analyst
Newfield Production Company

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Typical 3M BOP Stack Configuration



3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

PROPOSED 11-2-4-1W PAD

PROPOSED WELLS: 12-2-4-1W AND 11-2-4-1W

Pad Location: NESW Section 2, T4S, R1W, U.S.B.&M.

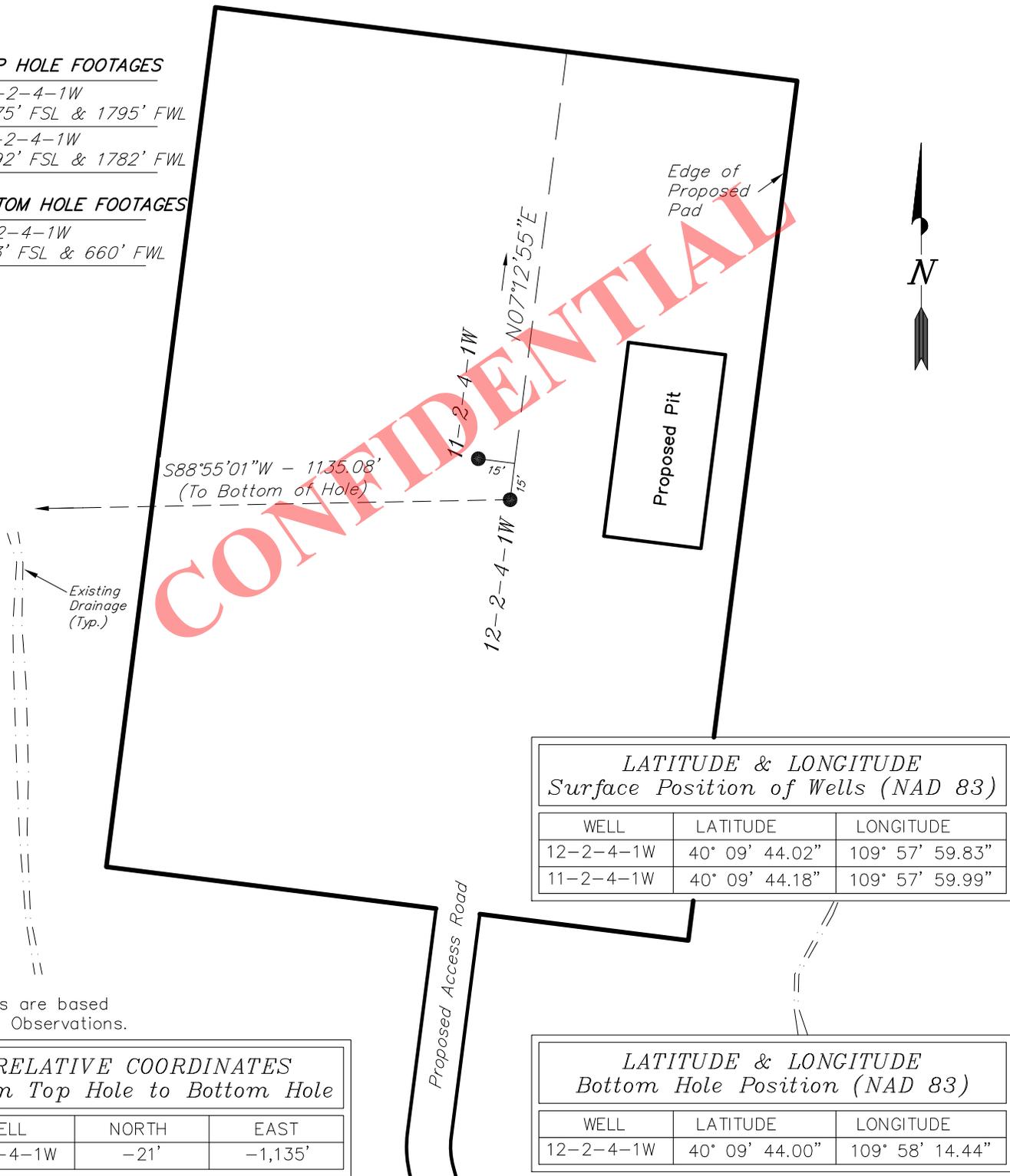
TOP HOLE FOOTAGES

12-2-4-1W
1975' FSL & 1795' FWL

11-2-4-1W
1992' FSL & 1782' FWL

BOTTOM HOLE FOOTAGES

12-2-4-1W
1973' FSL & 660' FWL



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LATITUDE & LONGITUDE Surface Position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
12-2-4-1W	40° 09' 44.02"	109° 57' 59.83"
11-2-4-1W	40° 09' 44.18"	109° 57' 59.99"

LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)		
WELL	LATITUDE	LONGITUDE
12-2-4-1W	40° 09' 44.00"	109° 58' 14.44"

Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES From Top Hole to Bottom Hole		
WELL	NORTH	EAST
12-2-4-1W	-21'	-1,135'

SURVEYED BY: Q.M.	DATE SURVEYED: 11-21-13	VERSION: V2
DRAWN BY: V.H.	DATE DRAWN: 11-22-13	
SCALE: 1" = 60'	REVISED: V.H. 11-27-13	

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

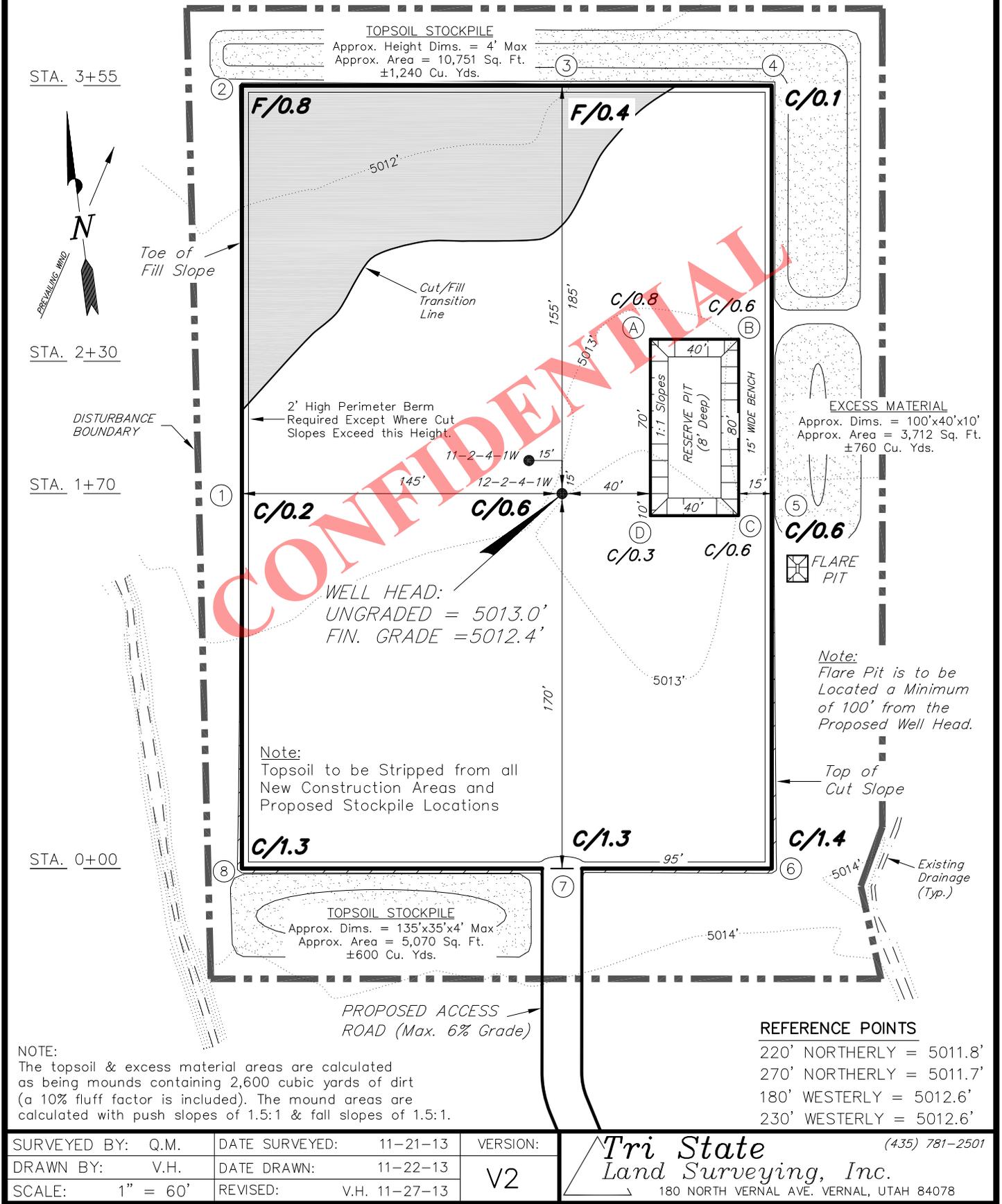
NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

PROPOSED 11-2-4-1W PAD

PROPOSED WELLS: 12-2-4-1W AND 11-2-4-1W

Pad Location: NESW Section 2, T4S, R1W, U.S.B.&M.



SURVEYED BY: Q.M.	DATE SURVEYED: 11-21-13	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-22-13	V2
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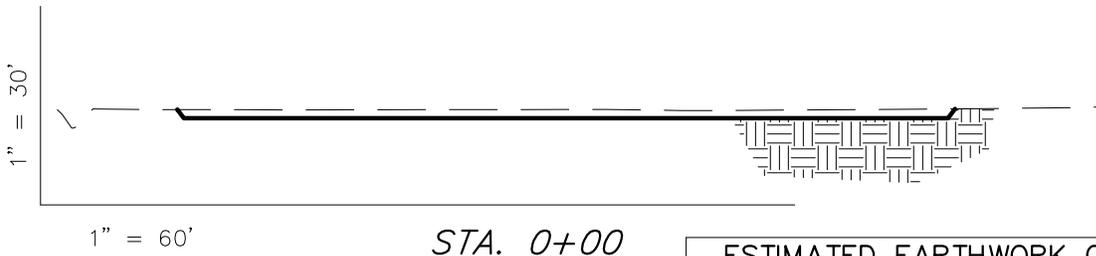
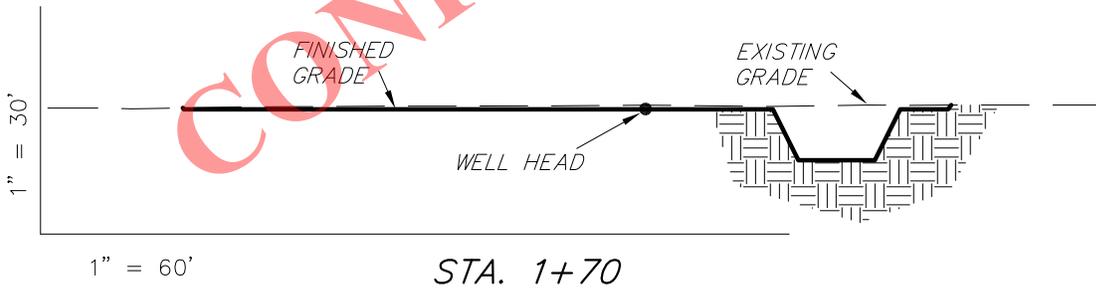
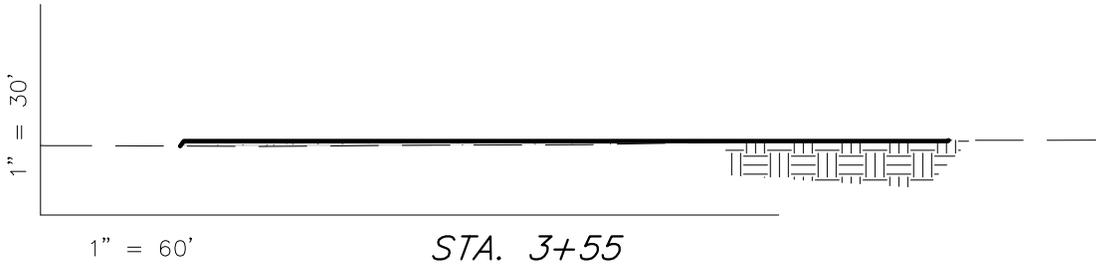
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

PROPOSED 11-2-4-1W PAD

PROPOSED WELLS: 12-2-4-1W AND 11-2-4-1W

Pad Location: NESW Section 2, T4S, R1W, U.S.B.&M.



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	610	610	Topsoil is not included in Pad Cut Volume	0
PIT	690	0		690
TOTALS	1,300	610	1,670	690

SURVEYED BY: Q.M.	DATE SURVEYED: 11-21-13	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-22-13	V2
SCALE: 1" = 60'	REVISED: V.H. 11-27-13	

Tri State

Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

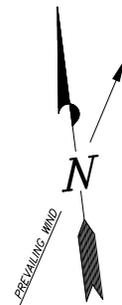
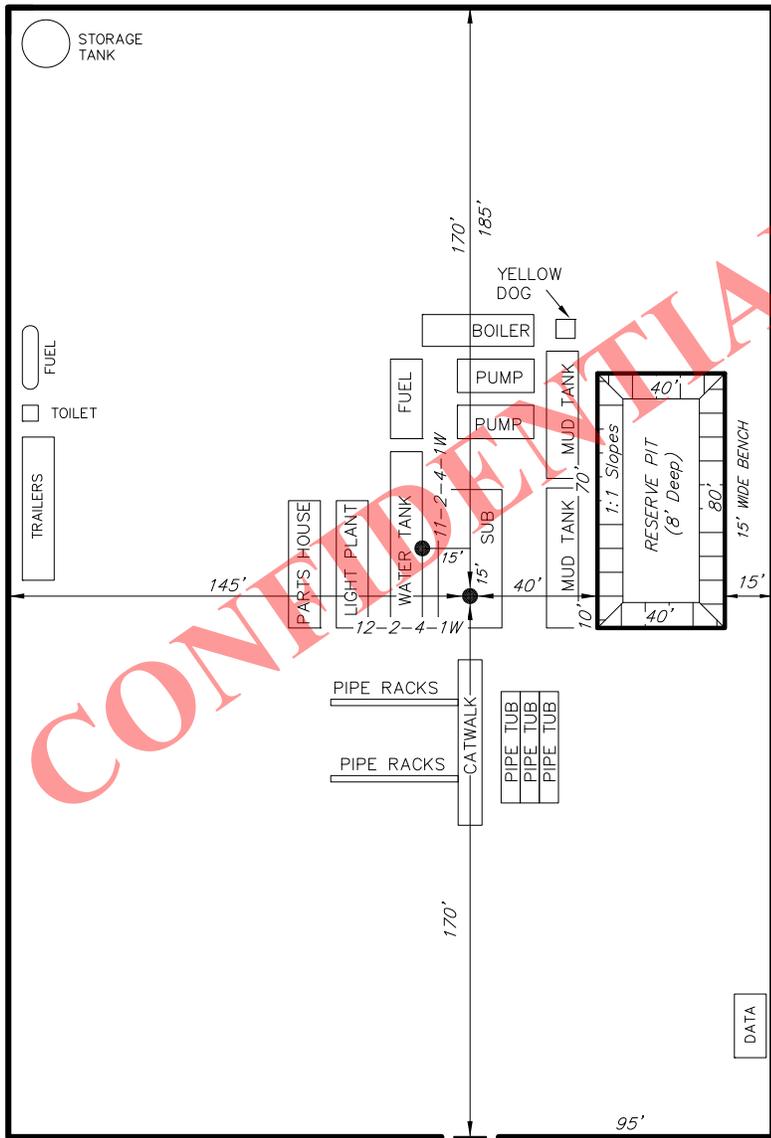
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

PROPOSED 11-2-4-1W PAD

PROPOSED WELLS: 12-2-4-1W AND 11-2-4-1W

Pad Location: NESW Section 2, T4S, R1W, U.S.B.&M.



CONFIDENTIAL

 FLARE PIT

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

SURVEYED BY: Q.M.	DATE SURVEYED: 11-21-13	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-22-13	V2
SCALE: 1" = 60'	REVISED: V.H. 11-27-13	


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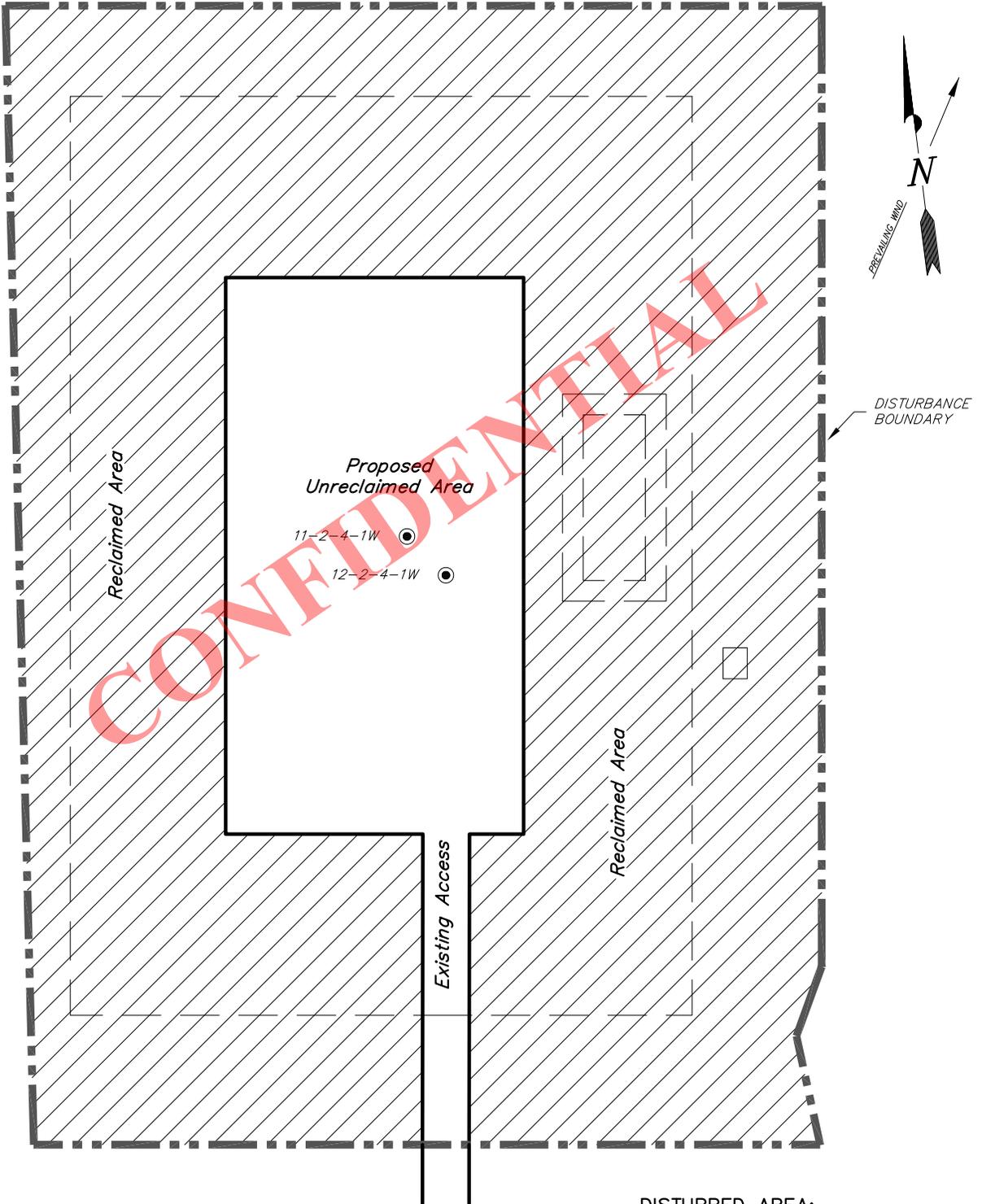
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

PROPOSED 11-2-4-1W PAD

PROPOSED WELLS: 12-2-4-1W AND 11-2-4-1W

Pad Location: NESW Section 2, T4S, R1W, U.S.B.&M.



Notes:

1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = ± 3.12 ACRES
 TOTAL RECLAIMED AREA = ± 2.50 ACRES
 UNRECLAIMED AREA = ± 0.62 ACRES

SURVEYED BY: Q.M.	DATE SURVEYED: 11-21-13	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-22-13	V2
SCALE: 1" = 60'	REVISED: V.H. 11-27-13	

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NEWFIELD EXPLORATION COMPANY

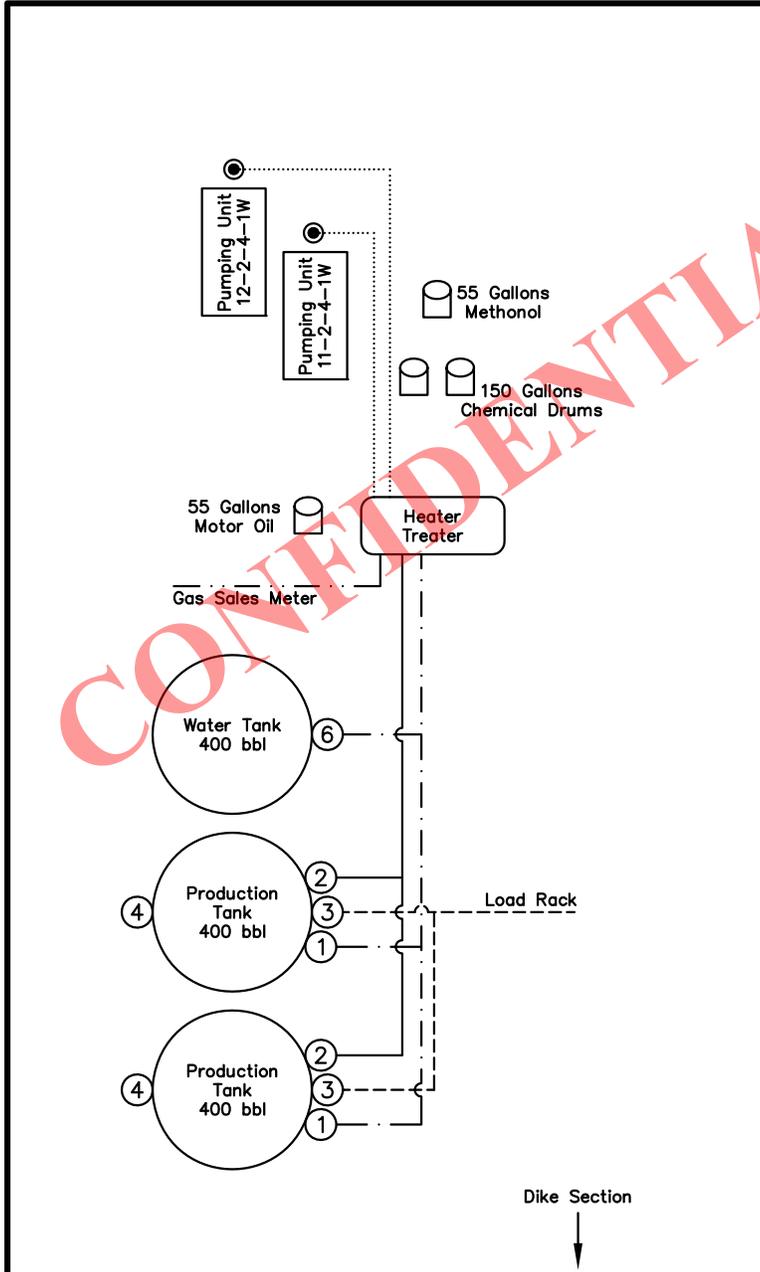
PROPOSED SITE FACILITY DIAGRAM

11-2-4-1W PAD

12-2-4-1W EDA-20G0005609

11-2-4-1W EDA-20G0005609

Pad Location: NESW Section 2, T4S, R1W, U.S.B.&M.
 Uintah County, Utah



Legend

Emulsion Line
Load Rack	-----
Water Line
Gas Sales
Oil Line	_____

NOT TO SCALE

SURVEYED BY: Q.M.	DATE SURVEYED: 11-21-13	VERSION:
DRAWN BY: V.H.	DATE DRAWN: 11-22-13	V2
SCALE: NONE	REVISED: V.H. 11-27-13	

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

NEWFIELD



VIA ELECTRONIC DELIVERY

Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

January 6, 2014

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Lamb 12-2-4-1W

Surface Hole: T4S-R1W Section 2: NESW
1975' FSL 1795' FWL

At Target: T4S-R1W Section 2: NWSW
1973' FSL 660' FWL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 1/3/2014, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

NPC is permitting this well as a directional well in order to minimize direct impact to farmland and irrigation system.

Please note the surface hole and target locations of this well and all surrounding acreage within a four hundred sixty (460') foot radius is fee acreage and the leasehold is owned 100% by NPC

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at lburget@newfield.com. Your consideration in this matter is greatly appreciated.

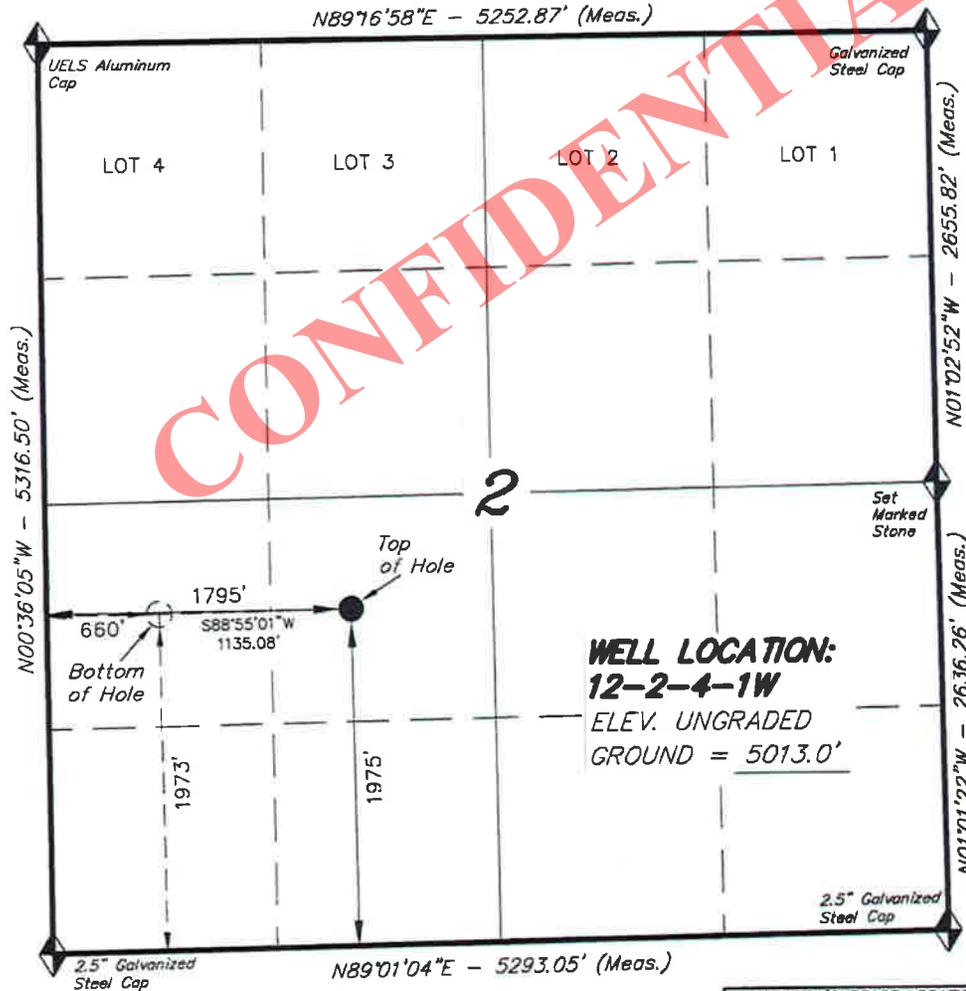
Sincerely,
Newfield Production Company

A handwritten signature in blue ink that reads "Leslie Burget".

Leslie Burget
Land Associate

T4S, R1W, U.S.B.&M.

N89°16'58"E - 5252.87' (Meas.)

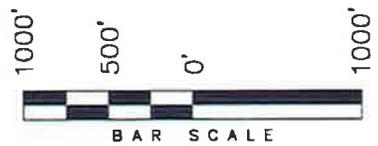


WELL LOCATION:
12-2-4-1W
 ELEV. UNGRADED
 GROUND = 5013.0'

NEWFIELD EXPLORATION COMPANY

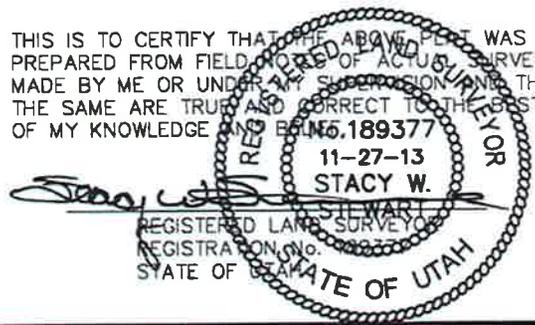
WELL LOCATION, 12-2-4-1W,
 LOCATED AS SHOWN IN THE NE 1/4
 SW 1/4 OF SECTION 2, T4S, R1W,
 U.S.B.&M. UINTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, 12-2-4-1W,
 LOCATED AS SHOWN IN THE NW 1/4
 SW 1/4 OF SECTION 2, T4S, R1W,
 U.S.B.&M. UINTAH COUNTY, UTAH.



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

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD-CHECKED AND ACCURATE SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



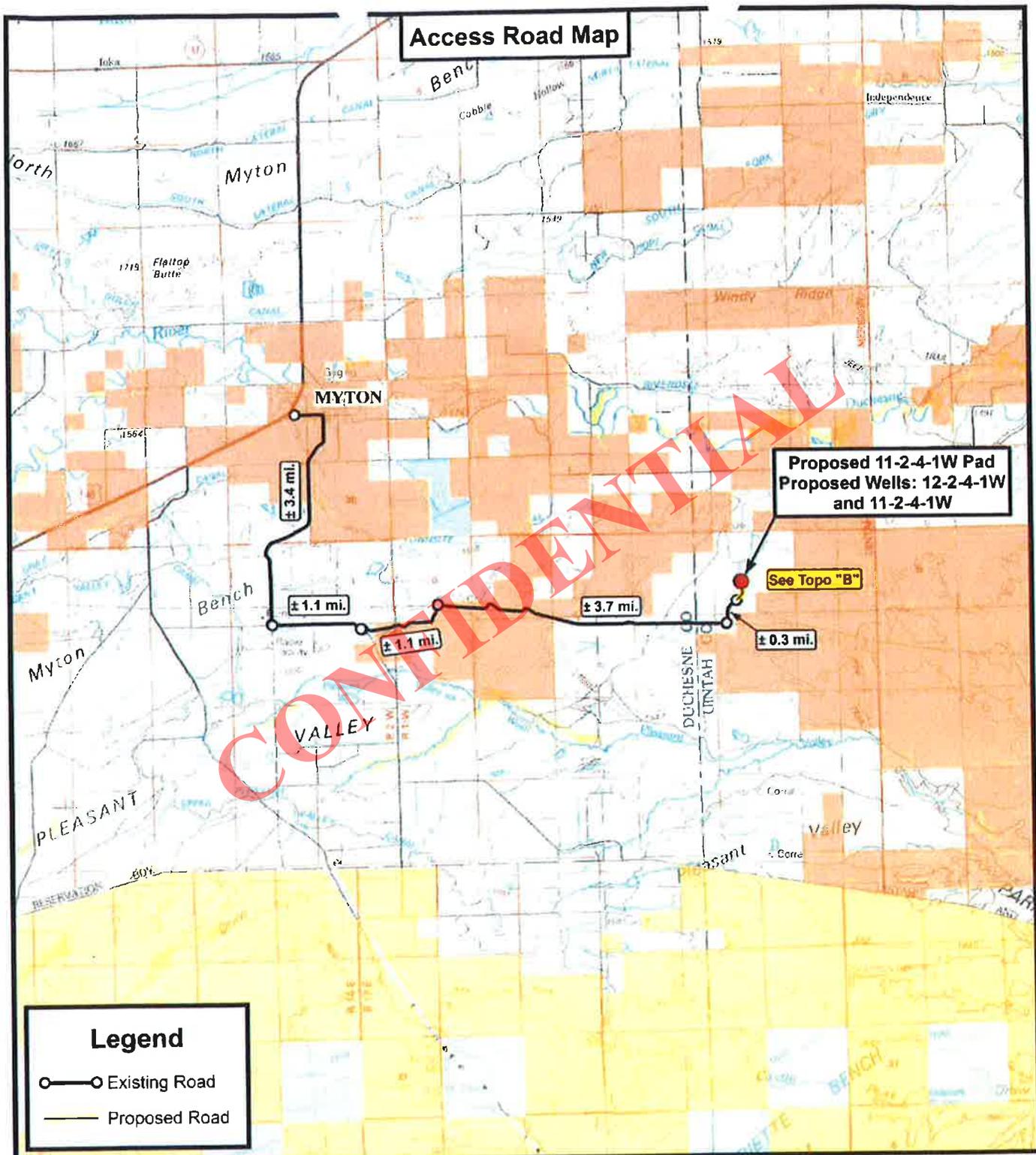
◆ = SECTION CORNERS LOCATED

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°09'44.02"
LONGITUDE = 109°57'59.83"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°09'44.16"
LONGITUDE = 109°57'57.29"
NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°09'44.00"
LONGITUDE = 109°58'14.44"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°09'44.14"
LONGITUDE = 109°58'11.91"

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

DATE SURVEYED: 11-21-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 11-22-13	DRAWN BY: V.H.	V2
REVISED: 11-27-13 V.H.	SCALE: 1" = 1000'	



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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



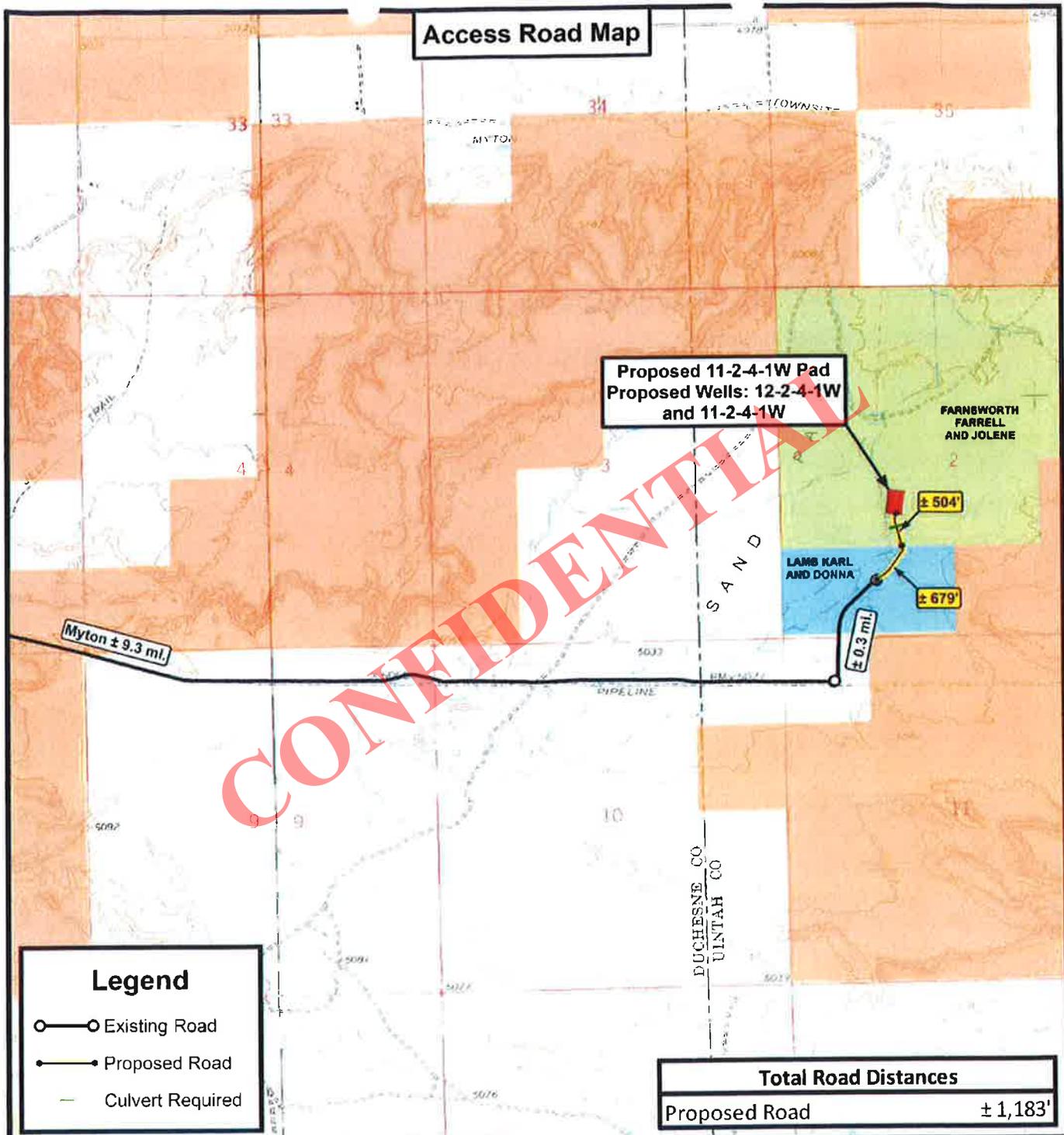
NEWFIELD EXPLORATION COMPANY

Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W and 11-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:
DATE:	11-25-2013			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET
A



Legend

- Existing Road
- Proposed Road
- Culvert Required

Total Road Distances	
Proposed Road	± 1,183'

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



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Land Surveying, Inc.**

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NEWFIELD EXPLORATION COMPANY

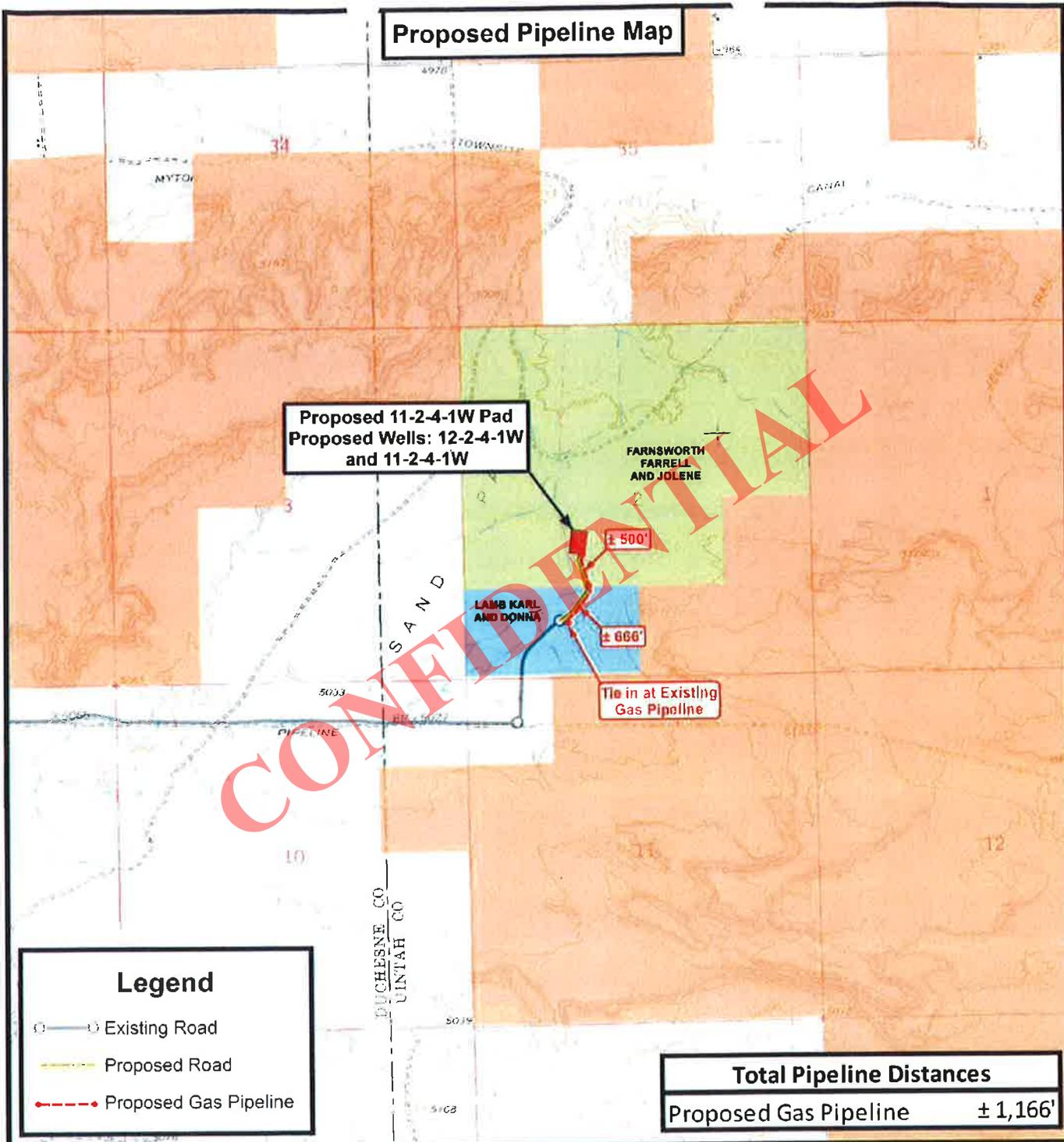
Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W and 11-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:	
DATE:	11-25-2013			V2	
SCALE:	1" = 2,000'				

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Road
- Proposed Gas Pipeline

Total Pipeline Distances	
Proposed Gas Pipeline	± 1,166'

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.**

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NEWFIELD EXPLORATION COMPANY

Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W and 11-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

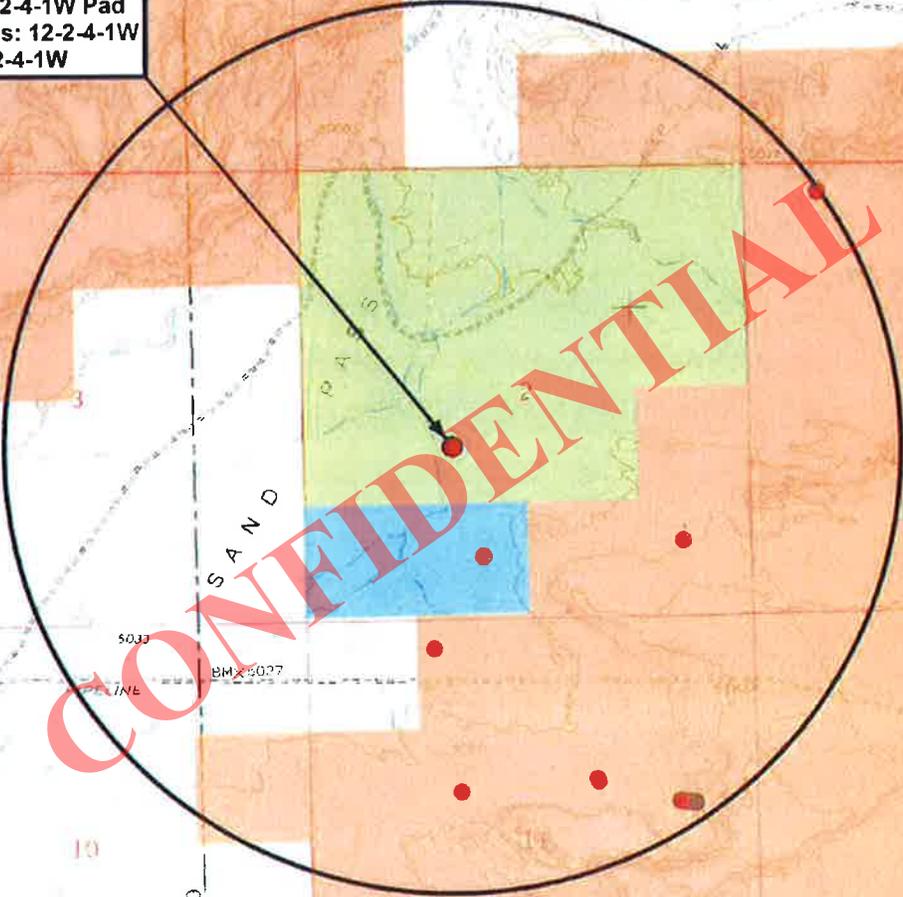
DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:
DATE:	11-25-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W
and 11-2-4-1W**



Legend

-  1 Mile Radius
-  Proposed Location

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



NEWFIELD EXPLORATION COMPANY

Proposed 11-2-4-1W Pad
Proposed Wells: 12-2-4-1W and 11-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	11-27-13 A.P.C.	VERSION:
DATE:	11-25-2013			V2
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET
D

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

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

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Lamb 12-2-4-1W well with a surface location to be positioned in the NESW of Section 2, Township 4 South, Range 1 West, Uintah County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Farrell and Jolene Farnsworth whose address is P.O. Box 111, Duchesne, UT 84021 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated December 20, 2013 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.



Peter Burns

CONFIDENTIAL

ACKNOWLEDGEMENT

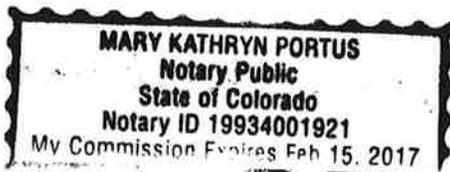
STATE OF COLORADO §
 §
COUNTY OF DENVER §

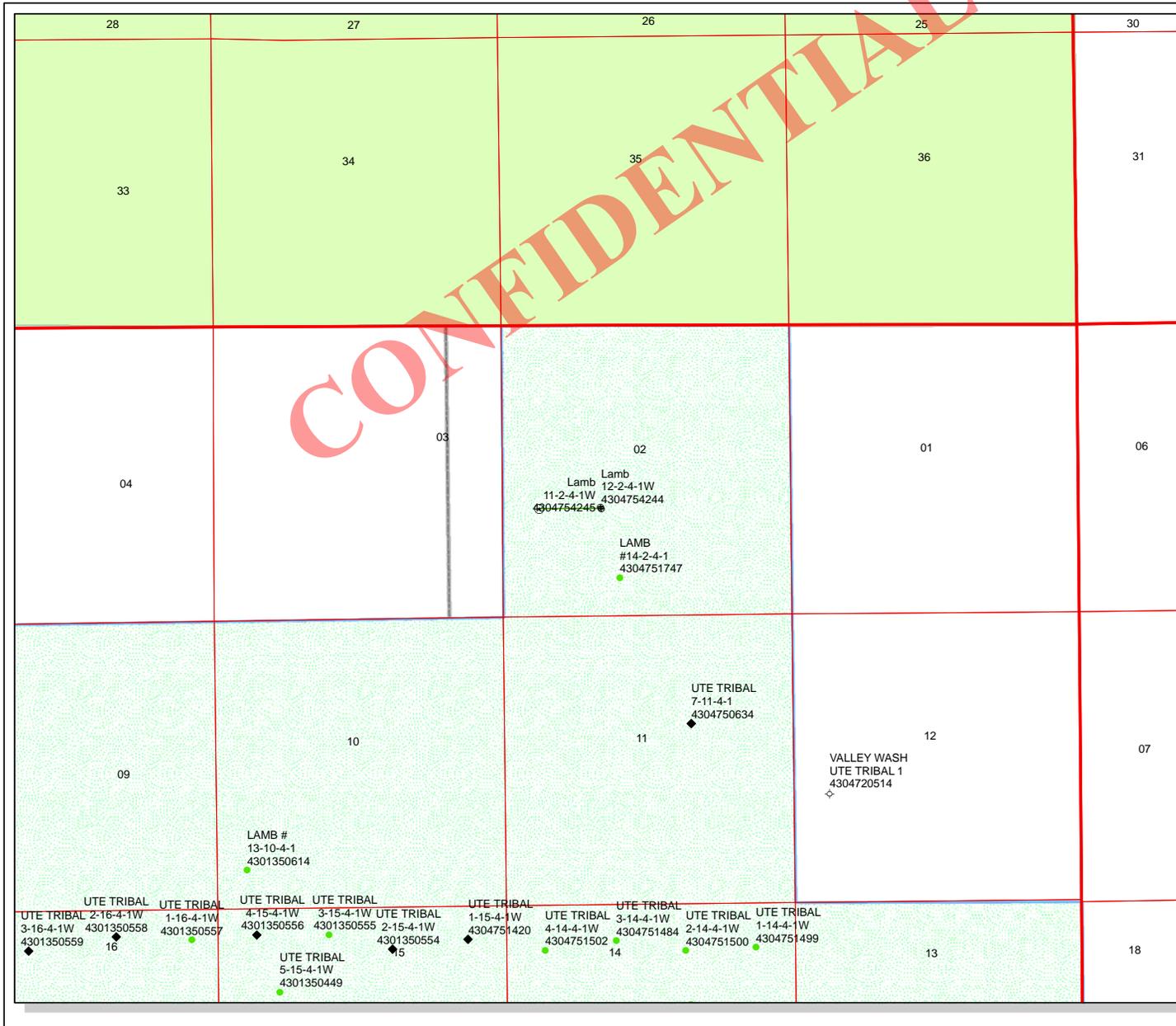
Before me, a Notary Public, in and for the State, on this 13th day of January, 2014, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:





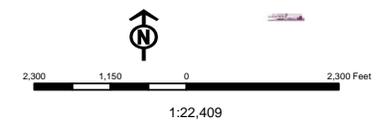
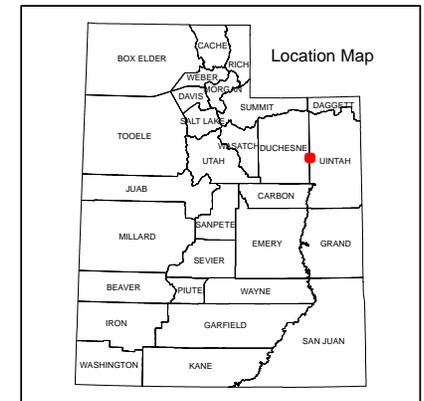
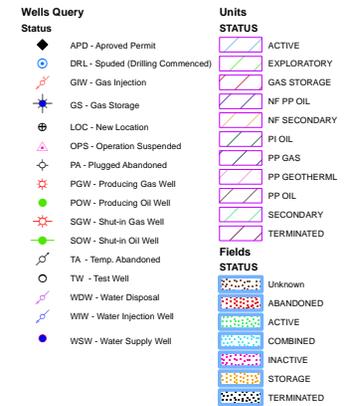
API Number: 4304754244

Well Name: Lamb 12-2-4-1W

Township: T04.0S Range: R01.0W Section: 02 Meridian: U

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 1/7/2014
Map Produced by Diana Mason



Well Name	NEWFIELD PRODUCTION COMPANY Lamb 12-2-4-1W 43047542440000			
String	SURF	PROD		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	900	8300		
Previous Shoe Setting Depth (TVD)	0	900		
Max Mud Weight (ppg)	8.3	9.0		
BOPE Proposed (psi)	500	3000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	3837	8.9		

Calculations	SURF String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	388		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	280	YES	diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	190	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	190	NO	OK
Required Casing/BOPE Test Pressure=		900	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

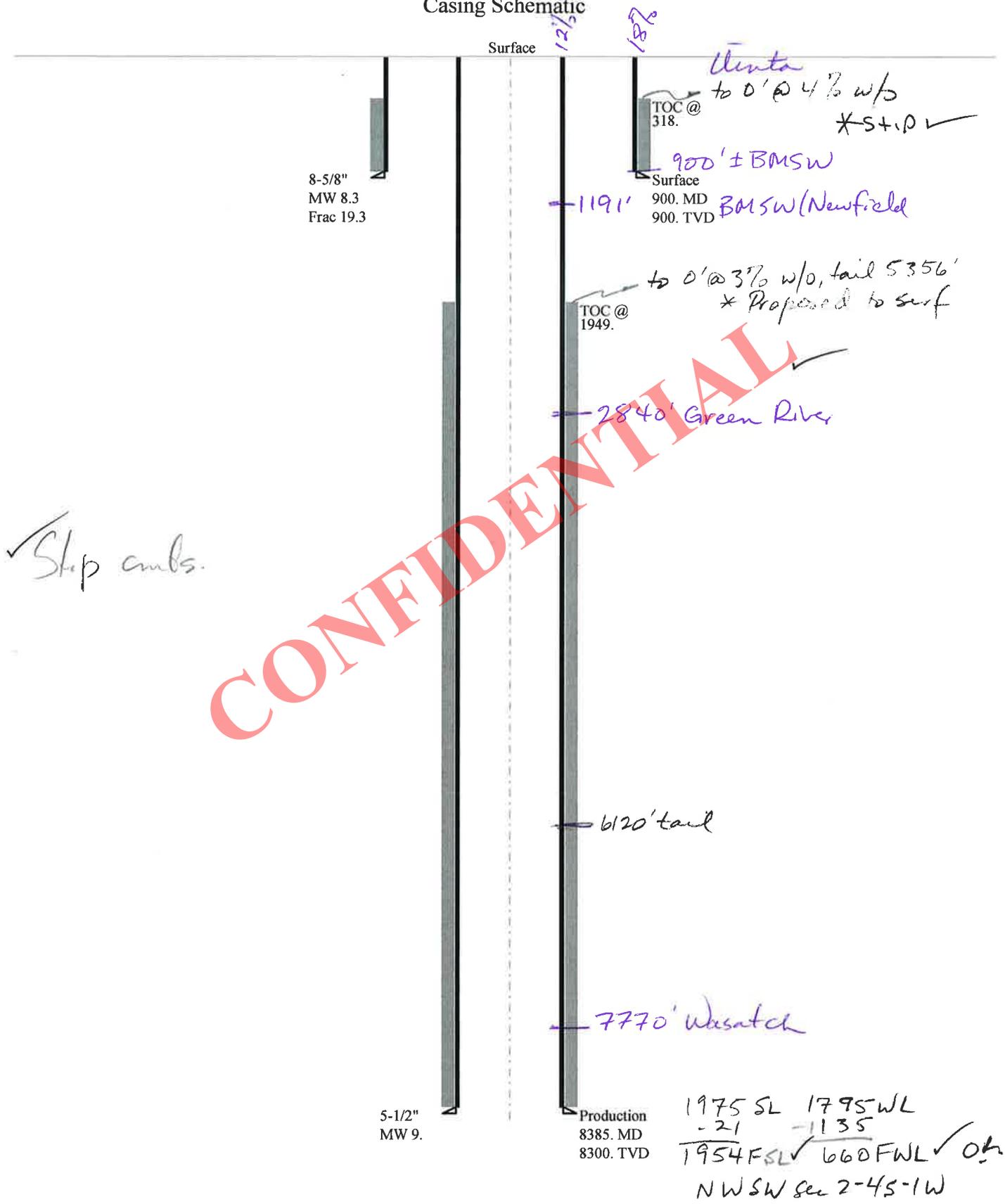
Calculations	PROD String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	3884		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2888	YES	3M, two rams, annular preventer, choke
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2058	YES	manifold
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2256	NO	OK
Required Casing/BOPE Test Pressure=		3000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		900	psi *Assumes 1psi/ft frac gradient	

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

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

43047542440000 Lamb 12-2-4-1W

Casing Schematic



✓ Step cmls.

CONFIDENTIAL

1975 SL 1795 WL
 -21 -1135
 1954 FSL ✓ 660 FWL ✓ OK
 NW SW Sec 2-45-1W

Well name:	43047542440000 Lamb 12-2-4-1W	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-047-54244
Location:	UINTAH COUNTY	

Design parameters:

Collapse
 Mud weight: 8.300 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:
 Design factor 1.125

Burst:
 Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 87 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 318 ft

Burst

Max anticipated surface pressure: 792 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP: 900 psi
 Annular backup: 1.50 ppg

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 buoyed weight.
 Neutral point: 788 ft

Directional well information:

Kick-off point: 600 ft
 Departure at shoe: 12 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 4.5 °

Re subsequent strings:

Next setting depth: 8,300 ft
 Next mud weight: 9.000 ppg
 Next setting BHP: 3,880 psi
 Fracture mud wt: 19,250 ppg
 Fracture depth: 900 ft
 Injection pressure: 900 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	900	8.625	24.00	J-55	ST&C	900	900	7.972	4633
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	388	1350	3.480	830	2950	3.56	18.9	244	12.91 J

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

Phone: 801-538-5357
 FAX: 801-359-3940

Date: January 29, 2014
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 900 ft, a mud weight of 8.3 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

Well name:	43047542440000 Lamb 12-2-4-1W	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-047-54244
Location:	UINTAH COUNTY	

Design parameters:

Collapse

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 190 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Cement top: 1,949 ft

Burst

Max anticipated surface pressure: 2,054 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,880 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 7,239 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1135 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 8.71 °

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	8385	5.5	17.00	N-80	LT&C	8300	8385	4.767	47261
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	3880	6290	1.621	3880	7740	1.99	121.8	348	2.86 J

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

Phone: 801 538-5357
FAX: 801-359-3940

Date: January 21, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8300 ft, a mud weight of 9 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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Lamb 12-2-4-1W
API Number 43047542440000 **APD No** 9246 **Field/Unit** WINDY RIDGE
Location: 1/4,1/4 NESW **Sec 2 Tw** 4.0S **Rng** 1.0W 1975 FSL 1795 FWL
GPS Coord (UTM) 588001 4446274 **Surface Owner** Farrell and Jolene Farnsworth

Participants

Corie Miller - NFX

Regional/Local Setting & Topography

The location is the Pleasant Valley/ Sand Pass area 8 miles East southeast of Myton. The sand pass facility and numerous ponds are nearby. It is placed in a cattle pasture under sprinkler just across the Uintah county line. The topography is rather flat with the occasional small butte. Most of the region is wild desert lands but, the local area has a much higher than normal density of wetlands and ponds

Surface Use Plan

Current Surface Use

Grazing

**New Road
Miles**

0.224

Well Pad

Width 290 Length 320

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Numerous wetlands and ponds very nearby

Flora / Fauna

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

Dominant vegetation;
cultivars for cattle grazing

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

light colored clayey soils

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors	Site Ranking
Distance to Groundwater (feet)	100 to 200 5
Distance to Surface Water (feet)	100 to 200 15
Dist. Nearest Municipal Well (ft)	>5280 0
Distance to Other Wells (feet)	20
Native Soil Type	Mod permeability 10
Fluid Type	Fresh Water 5
Drill Cuttings	Normal Rock 0
Annual Precipitation (inches)	10 to 20 5
Affected Populations	
Presence Nearby Utility Conduits	Not Present 0
Final Score	60 1 Sensitivity Level

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

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

Other Observations / Comments

Brad

They have agreements the landowner wants to ensure are enforced:

Dust control (he is required by the county to maintain certain standards. NFX should be held to the same standards)

disturbance, equipment and vehicles to stay out of areas encompassed by center pivot

all lines (gas, produced water etc) are to be buried

Chris Jensen
Evaluator

1/8/2014
Date / Time

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
9246	43047542440000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD	Farrell and Jolene Farnsworth	
Well Name	Lamb 12-2-4-1W		Unit		
Field	WINDY RIDGE		Type of Work	DRILL	
Location	NESW 2 4S 1W U 1975 FSL (UTM) 588006E 4446268N		1795 FWL	GPS Coord	

Geologic Statement of Basis

Newfield proposes to set 500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 900'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of Section 2. The well is privately owned and located over a mile from the proposed well. Depth is listed as 27 feet. Water use is listed as irrigation and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to isolate the base of the moderately saline ground water.

Brad Hill
APD Evaluator

1/27/2014
Date / Time

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window. Location moved to utilize nearby pad. Well will be drilled vertically. Access road enters the pad from the South. The landowner and its representative was not in attendance for the pre-site inspection but, was given the chance to express concerns over the phone. 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. I quickly recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area and numerous ponds/ wetlands can be found to the West. 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. 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

1/8/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/3/2014

API NO. ASSIGNED: 43047542440000

WELL NAME: Lamb 12-2-4-1W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NESW 02 040S 010W

Permit Tech Review:

SURFACE: 1975 FSL 1795 FWL

Engineering Review:

BOTTOM: 1973 FSL 0660 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.16217

LONGITUDE: -109.96656

UTM SURF EASTINGS: 588006.00

NORTHINGS: 4446268.00

FIELD NAME: WINDY RIDGE

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

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: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill
 5 - Statement of Basis - bhill
 12 - Cement Volume (3) - hmacdonald
 15 - Directional - dmason
 23 - Spacing - dmason
 25 - Surface Casing - hmacdonald



GARY R. HERBERT
Governor

SPENCER J. COX
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: Lamb 12-2-4-1W
API Well Number: 43047542440000
Lease Number: FEE
Surface Owner: FEE (PRIVATE)
Approval Date: 1/30/2014

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 R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

Exception Location:

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

General:

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

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an

area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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 surface as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

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

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:

A handwritten signature in black ink, appearing to read "John Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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: Lamb 12-2-4-1W	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43047542440000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: WINDY RIDGE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1975 FSL 1795 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 02 Township: 04.0S Range: 01.0W Meridian: U	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 3/5/2014 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 3/5/14 Drill and set 30' of 14" conductor. Drill f/30' to 193' KB of 12 1/4 hole. On 3/6/14 Drill f/193' to 936'KB. P/U and run 21 joints of 24# J-55 8 5/8 casing set depth 929' KB. On 3/7/14 Cement w/ ProPetro w/460 sx of 15.8 # 1.17 G Neat cement returned 4 bbls back to pit and bumped plug to 1000 psi.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 12, 2014</p>		
NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 3/12/2014	

NEWFIELD

Casing

Conductor



Legal Well Name Lamb 12-2-4-1W		Wellbore Name Original Hole	
API/UWI 43047542440000	Surface Legal Location NESW 1975 FSL 1795 FWL Sec 2 T4S R1W	Field Name MYTON AREA	Well Type Development
Well RC 500366877	County Uintah	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole			Kick Off Depth (ftKB)		
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	13	43	3/5/2014	3/5/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Conductor	Set Depth (ftKB) 43	Run Date 3/5/2014	Set Tension (kips)	
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	14	13.500	36.75	H-40		1	30.00	13.0	43.0			

Jewelry Details									
External Casing Packer									
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)		
Inflation Fluid Type	Infl FI 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 Lamb 12-2-4-1W		Wellbore Name Original Hole	
API/UWI 43047542440000	Surface Legal Location NESW 1975 FSL 1795 FWL Sec 2 T4S R1W	Field Name MYTON AREA	Well Type Development
Well RC 500366877	County Uintah	State/Province Utah	Spud Date
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	13	43	3/5/2014	3/5/2014
Vertical	12 1/4	43	193	3/5/2014	3/5/2014
Vertical	12 1/4	193	936	3/6/2014	3/6/2014

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	929	3/6/2014	
Centralizers 3		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)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.40	13.1	15.5			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	41.55	15.5	57.1			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	19	825.60	57.1	882.7			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	0.92	882.7	883.6			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	44.00	883.6	927.6			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.40	927.6	929.0			

Jewelry Details								
External Casing Packer			Release Requirements		Inflation Method		Vol Inflation (gal)	Equiv Hole Sz (in)
Type	Setting Requirement							
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)
Slip Description		Set Mechanics	
Setting Procedure			
Unsetting Procedure			

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# ProPetro 8 Submitted
By Branden Arnold Phone Number 435-401-0223
Well Name/Number Lamb 12-2-4-1W
Qtr/Qtr NE/SW Section 2 Township 4S Range 1W
Lease Serial Number FEE
API Number 43-047-54244

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

Date/Time 3/5/14 7:00 AM PM

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

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

Date/Time 3/6/14 11:00 AM PM

BOPE

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

RECEIVED
MAR 03 2014
DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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: Lamb 12-2-4-1W	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43047542440000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: WINDY RIDGE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1975 FSL 1795 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 02 Township: 04.0S Range: 01.0W Meridian: U	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/2/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The above well was placed on production on 04/02/2014 at 18:30 hours, and placed on pump on 04/26/2014 at 10:00 hours.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 30, 2014		
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 4/30/2014	

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.
LAMB 12-2-4-1W

3. Address ROUTE #3 BOX 3630 MYTON, UT 84052 3a. Phone No. (include area code) Ph:435-646-3721

9. API Well No. 43-047-54244

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface 1973' FSL 1795' FWL (NE/SE) SEC 2 T4S R1W
 At top prod. interval reported below 1962' FSL 959' FWL (NW/SE) SEC 2 T4S R1W
 At total depth 1947' FSL 685' FWL (NW/SE) SEC 2 T4S R1W

10. Field and Pool or Exploratory WINDY RIDGE

11. Sec., T., R., M., on Block and Survey or Area SEC 2 T4S R1W

12. County or Parish UINTAH 13. State UT

14. Date Spudded 03/05/2014 15. Date T.D. Reached 03/16/2014 16. Date Completed 04/03/2014
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* 5013' GL 5026' KB

18. Total Depth: MD 8400' TVD 8312' 19. Plug Back T.D.: MD 8347' 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
12-1/4"	8-5/8" J-55	24	0'	929'		460 CLASS G			
7-7/8"	5-1/2" SB-80	17	0'	8395'		400 Econocem		374'	
						550Expandacem			

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@6417'	TA@6349'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	6458'	7639'	6458' - 7639' MD	0.34	74	
B) Wasatch374	7719'	8131'	7719' - 8131' MD	0.34	80	
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
6458' - 8131' MD	Frac w/ 586,260#s of 20/40 white sand, 34,740#s 20/40 CRC, 92,220#s 30/50 white sand, and 25,483#s 100 mesh, in 12,847 bbls of Lightning 17 fluid, in 7 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
4/2/14	4/12/14	24	→	288	118	264			2.5 x 1.75 x 24' RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK GARDEN GULCH 1	5286' 5485'
				GARDEN GULCH 2 POINT 3	5625' 5948'
				X MRKR Y MRKR	6161' 6178'
				DOUGLAS CREEK MRK BI CARBONATE MRK	6347' 6768'
				B LIMESTONE MRK CASTLE PEAK	6860' 7188'
				BASAL CARBONATE WASATCH	7525' 7654'

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 04/15/2014

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



NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 2 T4S, R1W
12-2-4-1W
Wellbore #1

Design: Actual

End of Well Report

18 March, 2014





Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 12-2-4-1W
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Project: USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Utah Central Zone

System Datum: Mean Sea Level

Site: SECTION 2 T4S, R1W

Site Position: Northing: 7,232,211.31 usft Latitude: 40° 9' 50.991 N
 Easting: 2,069,879.27 usft Longitude: 109° 57' 47.540 W
Position Uncertainty: Slot Radius: 13-3/16 " Grid Convergence: 0.98°

Well: 12-2-4-1W, SHL: 40° 9' 44.020 -109° 57' 59.830

Well Position: +N/-S 0.0 usft Northing: 7,231,489.65 usft Latitude: 40° 9' 44.020 N
 +E/-W 0.0 usft Easting: 2,068,937.44 usft Longitude: 109° 57' 59.830 W
Position Uncertainty: Wellhead Elevation: 5,026.0 usft Ground Level: 5,013.0 usft

Wellbore: Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/26/2014	10.95	65.84	52,084

Design: Actual

Audit Notes: Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	268.57

Survey Program	From (usft)	To (usft)	Date	Survey (Wellbore)	Tool Name	Description
	961.0	8,400.0	3/18/2014	Survey #1 (Wellbore #1)	MWD	MWD - Standard



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 12-2-4-1W
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00
961.0	0.10	296.60	961.0	0.7	0.4	-0.7	0.01	0.01	0.00
992.0	0.10	208.70	992.0	0.8	0.4	-0.8	0.45	0.00	-283.55
1,022.0	0.30	268.20	1,022.0	0.9	0.3	-0.9	0.88	0.67	188.33
1,053.0	0.60	275.70	1,053.0	1.1	0.4	-1.1	0.98	0.97	24.19
1,084.0	1.30	278.80	1,084.0	1.6	0.4	-1.6	2.26	2.26	10.00
1,127.0	2.60	278.50	1,127.0	3.1	0.6	-3.1	3.02	3.02	-0.70
1,171.0	3.90	278.60	1,170.9	5.5	1.0	-5.5	2.95	2.95	0.23
1,215.0	4.60	279.10	1,214.8	8.7	1.5	-8.8	1.59	1.59	1.14
1,259.0	5.00	275.40	1,258.6	12.4	2.0	-12.4	1.15	0.91	-8.41
1,302.0	5.50	274.60	1,301.4	16.3	2.3	-16.3	1.18	1.16	-1.86
1,346.0	6.20	273.00	1,345.2	20.7	2.6	-20.8	1.63	1.59	-3.64
1,390.0	6.90	275.60	1,388.9	25.7	3.0	-25.8	1.73	1.59	5.91
1,434.0	7.40	277.00	1,432.6	31.2	3.6	-31.3	1.20	1.14	3.18
1,476.0	8.10	276.70	1,474.2	36.8	4.3	-36.9	1.67	1.67	-0.71
1,520.0	8.60	275.70	1,517.7	43.1	5.0	-43.2	1.18	1.14	-2.27
1,564.0	9.00	274.80	1,561.2	49.8	5.6	-49.9	0.96	0.91	-2.05
1,608.0	9.30	273.40	1,604.7	56.7	6.1	-56.9	0.85	0.68	-3.18
1,652.0	9.60	271.50	1,648.1	64.0	6.4	-64.1	0.98	0.68	-4.32
1,695.0	10.30	271.00	1,690.4	71.4	6.5	-71.6	1.64	1.63	-1.16
1,739.0	11.00	269.20	1,733.7	79.5	6.5	-79.7	1.76	1.59	-4.09
1,783.0	11.30	268.40	1,776.8	88.0	6.4	-88.2	0.77	0.68	-1.82
1,826.0	11.60	268.40	1,819.0	96.5	6.1	-96.7	0.70	0.70	0.00
1,869.0	12.10	269.10	1,861.0	105.4	5.9	-105.6	1.21	1.16	1.63
1,913.0	12.50	268.70	1,904.0	114.7	5.8	-114.9	0.93	0.91	-0.91
1,956.0	12.50	268.60	1,946.0	124.1	5.5	-124.2	0.05	0.00	-0.23
2,000.0	12.60	267.90	1,989.0	133.6	5.2	-133.8	0.41	0.23	-1.59



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore #1: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 12-2-4-1W
 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	2,044.0	12.50	269.10	2,031.9	143.2	5.0	-143.3	0.63	-0.23	2.73
	2,086.0	12.60	269.10	2,072.9	152.3	4.9	-152.5	0.24	0.24	0.00
	2,130.0	12.60	268.90	2,115.9	161.9	4.7	-162.1	0.10	0.00	-0.45
	2,174.0	12.70	268.00	2,158.8	171.5	4.4	-171.7	0.50	0.23	-2.05
	2,218.0	13.10	267.50	2,201.7	181.4	4.0	-181.5	0.94	0.91	-1.14
	2,261.0	12.60	267.20	2,243.6	190.9	3.6	-191.1	1.17	-1.16	-0.70
	2,304.0	12.50	267.40	2,285.6	200.3	3.2	-200.4	0.25	-0.23	0.47
	2,348.0	12.70	267.70	2,328.5	209.9	2.7	-210.0	0.48	0.45	0.68
	2,391.0	11.90	268.10	2,370.5	219.0	2.4	-219.1	1.87	-1.86	0.93
	2,434.0	12.00	267.70	2,412.6	227.9	2.1	-228.0	0.30	0.23	-0.93
	2,477.0	12.00	267.50	2,454.7	236.9	1.7	-237.0	0.10	0.00	-0.47
	2,521.0	11.60	267.70	2,497.7	245.9	1.3	-246.0	0.91	-0.91	0.45
	2,564.0	10.90	268.80	2,539.9	254.2	1.1	-254.3	1.70	-1.63	2.56
	2,607.0	10.60	269.50	2,582.1	262.3	1.0	-262.4	0.76	-0.70	1.63
	2,651.0	10.40	269.10	2,625.4	270.3	0.9	-270.4	0.48	-0.45	-0.91
	2,694.0	9.70	268.40	2,667.7	277.8	0.7	-277.9	1.65	-1.63	-1.63
	2,736.0	9.60	264.40	2,709.1	284.8	0.3	-284.9	1.61	-0.24	-9.52
	2,824.0	8.80	264.20	2,796.0	298.8	-1.1	-298.9	0.91	-0.91	-0.23
	2,867.0	8.70	264.30	2,838.5	305.4	-1.8	-305.4	0.24	-0.23	0.23
	2,910.0	8.60	266.10	2,881.0	311.8	-2.3	-311.9	0.67	-0.23	4.19
	2,954.0	8.30	265.30	2,924.5	318.3	-2.8	-318.3	0.73	-0.68	-1.82
	2,997.0	8.00	263.20	2,967.1	324.4	-3.4	-324.4	0.98	-0.70	-4.88
	3,040.0	7.70	264.00	3,009.7	330.2	-4.1	-330.2	0.74	-0.70	1.86
	3,084.0	7.60	268.40	3,053.3	336.1	-4.5	-336.0	1.35	-0.23	10.00
	3,127.0	7.60	270.90	3,095.9	341.7	-4.5	-341.7	0.77	0.00	5.81
	3,170.0	8.20	271.20	3,138.5	347.6	-4.4	-347.6	1.40	1.40	0.70
	3,214.0	9.00	270.90	3,182.0	354.2	-4.3	-354.2	1.82	1.82	-0.68



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 12-2-4-1W
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
3,257.0	9.50	271.10	3,224.5	361.1	-4.2	-361.1	1.17	1.16	0.47
3,301.0	9.60	268.50	3,267.9	368.4	-4.2	-368.4	1.01	0.23	-5.91
3,345.0	9.70	265.50	3,311.2	375.8	-4.6	-375.8	1.17	0.23	-6.82
3,389.0	9.40	261.10	3,354.6	383.1	-5.4	-383.0	1.79	-0.68	-10.00
3,432.0	9.60	259.60	3,397.1	390.1	-6.6	-390.0	0.74	0.47	-3.49
3,476.0	9.70	259.30	3,440.4	397.4	-8.0	-397.3	0.25	0.23	-0.68
3,520.0	9.60	261.40	3,483.8	404.7	-9.2	-404.6	0.83	-0.23	4.77
3,564.0	9.80	264.00	3,527.2	412.0	-10.1	-411.9	1.09	0.45	5.91
3,608.0	9.80	268.30	3,570.5	419.5	-10.6	-419.4	1.66	0.00	9.77
3,652.0	10.00	273.00	3,613.9	427.1	-10.6	-426.9	1.89	0.45	10.68
3,695.0	10.00	273.50	3,656.2	434.5	-10.1	-434.4	0.20	0.00	1.16
3,739.0	10.20	272.10	3,699.5	442.2	-9.8	-442.1	0.72	0.45	-3.18
3,783.0	9.70	269.40	3,742.9	449.8	-9.6	-449.7	1.55	-1.14	-6.14
3,827.0	9.40	266.10	3,786.3	457.1	-9.9	-457.0	1.42	-0.68	-7.50
3,870.0	9.20	267.00	3,828.7	464.0	-10.4	-463.9	0.58	-0.47	2.09
3,914.0	9.00	268.70	3,872.2	471.0	-10.6	-470.9	0.76	-0.45	3.86
3,957.0	8.90	268.20	3,914.6	477.7	-10.8	-477.6	0.29	-0.23	-1.16
4,001.0	9.10	272.10	3,958.1	484.6	-10.8	-484.4	1.46	0.45	8.86
4,044.0	9.00	276.70	4,000.6	491.3	-10.3	-491.2	1.70	-0.23	10.70
4,087.0	9.10	277.50	4,043.0	498.0	-9.4	-497.9	0.37	0.23	1.86
4,131.0	9.10	276.20	4,086.5	504.9	-8.6	-504.8	0.47	0.00	-2.95
4,173.0	9.00	274.80	4,127.9	511.4	-8.0	-511.4	0.58	-0.24	-3.33
4,216.0	8.80	273.50	4,170.4	518.0	-7.5	-518.0	0.66	-0.47	-3.02
4,260.0	8.30	270.00	4,213.9	524.6	-7.3	-524.5	1.64	-1.14	-7.95
4,304.0	8.00	266.50	4,257.5	530.8	-7.5	-530.8	1.32	-0.68	-7.95
4,348.0	8.20	267.00	4,301.1	537.0	-7.8	-537.0	0.48	0.45	1.14
4,390.0	8.60	268.70	4,342.6	543.1	-8.0	-543.1	1.12	0.95	4.05



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Mylon SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 12-2-4-1W
 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	4,434.0	8.00	265.50	4,386.1	549.5	-8.3	-549.4	1.72	-1.36	-7.27
	4,478.0	7.70	263.70	4,429.7	555.5	-8.9	-555.4	0.88	-0.68	-4.09
	4,522.0	7.70	267.70	4,473.3	561.4	-9.4	-561.3	1.22	0.00	9.09
	4,565.0	8.00	273.60	4,515.9	567.2	-9.3	-567.2	2.00	0.70	13.72
	4,608.0	8.20	278.80	4,558.5	573.2	-8.6	-573.2	1.77	0.47	12.09
	4,652.0	8.40	279.40	4,602.0	579.5	-7.6	-579.5	0.50	0.45	1.36
	4,695.0	8.50	276.00	4,644.6	585.7	-6.8	-585.7	1.18	0.23	-7.91
	4,738.0	8.30	272.90	4,687.1	591.9	-6.3	-592.0	1.15	-0.47	-7.21
	4,781.0	8.10	270.40	4,729.7	598.1	-6.1	-598.1	0.95	-0.47	-5.81
	4,823.0	7.80	267.40	4,771.3	603.9	-6.2	-603.9	1.22	-0.71	-7.14
	4,866.0	8.30	264.60	4,813.8	609.9	-6.6	-609.9	1.48	1.16	-6.51
	4,910.0	8.90	264.60	4,857.4	616.4	-7.3	-616.5	1.36	1.36	0.00
	4,953.0	8.90	264.50	4,899.8	623.1	-7.9	-623.1	0.04	0.00	-0.23
	4,996.0	8.70	263.30	4,942.3	629.6	-8.6	-629.6	0.63	-0.47	-2.79
	5,040.0	8.40	264.80	4,985.8	636.2	-9.3	-636.1	0.85	-0.68	3.41
	5,084.0	8.40	267.50	5,029.4	642.6	-9.7	-642.5	0.90	0.00	6.14
	5,128.0	8.80	269.50	5,072.9	649.2	-9.9	-649.1	1.13	0.91	4.55
	5,172.0	9.30	272.50	5,116.3	656.1	-9.7	-656.0	1.56	1.14	6.82
	5,215.0	9.10	274.50	5,158.8	662.9	-9.3	-662.9	0.88	-0.47	4.65
	5,259.0	8.70	271.50	5,202.2	669.7	-9.0	-669.7	1.39	-0.91	-6.82
	5,303.0	8.70	268.90	5,245.7	676.4	-8.9	-676.3	0.89	0.00	-5.91
	5,347.0	8.60	269.60	5,289.2	683.0	-9.0	-683.0	0.33	-0.23	1.59
	5,389.0	8.40	268.60	5,330.8	689.2	-9.1	-689.2	0.59	-0.48	-2.38
	5,433.0	8.70	272.40	5,374.3	695.7	-9.1	-695.7	1.45	0.68	8.64
	5,477.0	8.50	271.20	5,417.8	702.3	-8.9	-702.3	0.61	-0.45	-2.73
	5,521.0	8.30	270.10	5,461.3	708.7	-8.8	-708.7	0.58	-0.45	-2.50
	5,564.0	8.40	273.30	5,503.9	714.9	-8.6	-714.9	1.11	0.23	7.44



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well 12-2-4-1W
 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	5,608.0	8.40	272.60	5,547.4	721.3	-8.3	-721.4	0.23	0.00	-1.59
	5,651.0	8.20	271.60	5,589.9	727.5	-8.0	-727.6	0.57	-0.47	-2.33
	5,695.0	7.90	269.60	5,633.5	733.7	-8.0	-733.7	0.93	-0.68	-4.55
	5,738.0	8.10	273.30	5,676.1	739.7	-7.8	-739.7	1.28	0.47	8.60
	5,782.0	7.90	271.70	5,719.7	745.8	-7.6	-745.8	0.68	-0.45	-3.64
	5,826.0	7.90	273.30	5,763.2	751.8	-7.3	-751.9	0.50	0.00	3.64
	5,870.0	7.90	272.20	5,806.8	757.8	-7.0	-757.9	0.34	0.00	-2.50
	5,913.0	7.90	270.70	5,849.4	763.7	-6.8	-763.8	0.48	0.00	-3.49
	5,955.0	7.60	273.00	5,891.0	769.4	-6.7	-769.5	1.03	-0.71	5.48
	5,998.0	7.40	271.00	5,933.7	775.0	-6.5	-775.1	0.76	-0.47	-4.65
	6,042.0	7.40	268.40	5,977.3	780.7	-6.5	-780.7	0.76	0.00	-5.91
	6,085.0	7.40	267.00	6,019.9	786.2	-6.7	-786.3	0.42	0.00	-3.26
	6,128.0	7.20	266.60	6,062.6	791.7	-7.0	-791.7	0.48	-0.47	-0.93
	6,171.0	6.70	265.70	6,105.3	796.9	-7.4	-796.9	1.19	-1.16	-2.09
	6,215.0	6.80	263.30	6,149.0	802.0	-7.9	-802.1	0.68	0.23	-5.45
	6,258.0	6.90	262.10	6,191.7	807.1	-8.5	-807.2	0.41	0.23	-2.79
	6,300.0	7.30	260.20	6,233.3	812.3	-9.3	-812.3	1.10	0.95	-4.52
	6,344.0	7.40	260.60	6,277.0	817.8	-10.3	-817.8	0.26	0.23	0.91
	6,388.0	8.00	261.70	6,320.6	823.7	-11.2	-823.7	1.40	1.36	2.50
	6,432.0	8.30	262.20	6,364.1	829.9	-12.0	-829.8	0.70	0.68	1.14
	6,474.0	8.30	263.60	6,405.7	835.9	-12.8	-835.9	0.48	0.00	3.33
	6,517.0	8.90	266.30	6,448.2	842.3	-13.4	-842.3	1.68	1.40	6.28
	6,560.0	8.90	266.10	6,490.7	849.0	-13.8	-848.9	0.07	0.00	-0.47
	6,603.0	8.40	266.10	6,533.2	855.4	-14.2	-855.4	1.16	-1.16	0.00
	6,645.0	8.30	266.90	6,574.8	861.5	-14.6	-861.4	0.36	-0.24	1.90
	6,689.0	8.80	266.30	6,618.3	868.1	-15.0	-868.0	1.15	1.14	-1.36
	6,733.0	9.70	267.80	6,661.7	875.1	-15.4	-875.0	2.12	2.05	3.41



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well 12-2-4-1W
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,777.0	10.00	272.20	6,705.1	882.7	-15.3	-882.6	1.84	0.68	10.00
6,819.0	9.80	271.80	6,746.4	889.9	-15.1	-889.8	0.50	-0.48	-0.95
6,862.0	9.70	270.90	6,788.8	897.1	-14.9	-897.1	0.42	-0.23	-2.09
6,906.0	9.00	268.40	6,832.2	904.3	-15.0	-904.2	1.84	-1.59	-5.68
6,948.0	8.50	266.10	6,873.7	910.7	-15.3	-910.6	1.45	-1.19	-5.48
6,992.0	8.00	263.50	6,917.3	917.0	-15.8	-916.9	1.42	-1.14	-5.91
7,035.0	8.00	260.80	6,959.9	922.9	-16.7	-922.8	0.87	0.00	-6.28
7,079.0	8.20	257.50	7,003.4	929.0	-17.8	-928.9	1.15	0.45	-7.50
7,121.0	8.70	255.10	7,045.0	935.1	-19.3	-934.9	1.46	1.19	-5.71
7,165.0	8.80	253.70	7,088.5	941.6	-21.1	-941.3	0.53	0.23	-3.18
7,209.0	8.40	253.80	7,132.0	947.9	-22.9	-947.6	0.91	-0.91	0.23
7,253.0	7.70	256.30	7,175.5	953.9	-24.5	-953.6	1.78	-1.59	5.68
7,296.0	8.10	257.80	7,218.1	959.7	-25.8	-959.3	1.05	0.93	3.49
7,340.0	8.90	259.10	7,261.6	966.1	-27.1	-965.7	1.87	1.82	2.95
7,384.0	8.40	261.20	7,305.1	972.6	-28.3	-972.2	1.34	-1.14	4.77
7,428.0	8.50	264.80	7,348.7	979.1	-29.1	-978.6	1.22	0.23	8.18
7,470.0	8.80	270.30	7,390.2	985.4	-29.3	-985.0	2.09	0.71	13.10
7,514.0	8.40	273.10	7,433.7	991.9	-29.1	-991.5	1.32	-0.91	6.36
7,557.0	8.60	276.20	7,476.2	998.3	-28.6	-997.9	1.16	0.47	7.21
7,601.0	8.40	277.20	7,519.7	1,004.7	-27.9	-1,004.3	0.57	-0.45	2.27
7,645.0	8.20	276.10	7,563.3	1,011.0	-27.1	-1,010.6	0.58	-0.45	-2.50
7,689.0	8.10	274.30	7,606.8	1,017.2	-26.6	-1,016.8	0.62	-0.23	-4.09
7,732.0	8.30	272.70	7,649.4	1,023.3	-26.2	-1,023.0	0.71	0.47	-3.72
7,776.0	9.00	272.00	7,692.9	1,029.9	-25.9	-1,029.6	1.61	1.59	-1.59
7,820.0	9.00	273.50	7,736.3	1,036.8	-25.6	-1,036.4	0.53	0.00	3.41
7,864.0	8.80	273.60	7,779.8	1,043.5	-25.2	-1,043.2	0.46	-0.45	0.23
7,908.0	8.60	273.00	7,823.3	1,050.2	-24.8	-1,049.9	0.50	-0.45	-1.36



Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 12-2-4-1W
Wellbore: Wellbore #1
Design: Actual

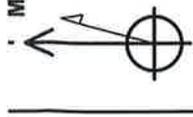
Local Co-ordinate Reference: Well 12-2-4-1W
TVD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
MD Reference: 12-2-4-1W @ 5026.0usft (CAPSTAR 329)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
7,951.0	8.30	272.10	7,865.8	1,056.5	-24.5	-1,056.2	0.76	-0.70	-2.09
7,995.0	8.10	271.40	7,909.4	1,062.7	-24.3	-1,062.5	0.51	-0.45	-1.59
8,039.0	7.80	269.70	7,953.0	1,068.8	-24.2	-1,068.6	0.87	-0.68	-3.86
8,083.0	7.50	270.00	7,996.6	1,074.7	-24.3	-1,074.4	0.69	-0.68	0.68
8,127.0	7.20	267.50	8,040.2	1,080.3	-24.4	-1,080.0	1.00	-0.68	-5.68
8,170.0	6.90	266.80	8,082.9	1,085.6	-24.6	-1,085.3	0.73	-0.70	-1.63
8,213.0	6.70	265.80	8,125.6	1,090.7	-25.0	-1,090.4	0.54	-0.47	-2.33
8,256.0	6.40	264.10	8,168.3	1,095.6	-25.4	-1,095.3	0.83	-0.70	-3.95
8,300.0	6.20	262.50	8,212.0	1,100.4	-26.0	-1,100.1	0.60	-0.45	-3.64
8,340.0	6.00	260.90	8,251.8	1,104.6	-26.6	-1,104.3	0.66	-0.50	-4.00
8,400.0	5.70	258.50	8,311.5	1,110.6	-27.7	-1,110.3	0.65	-0.50	-4.00

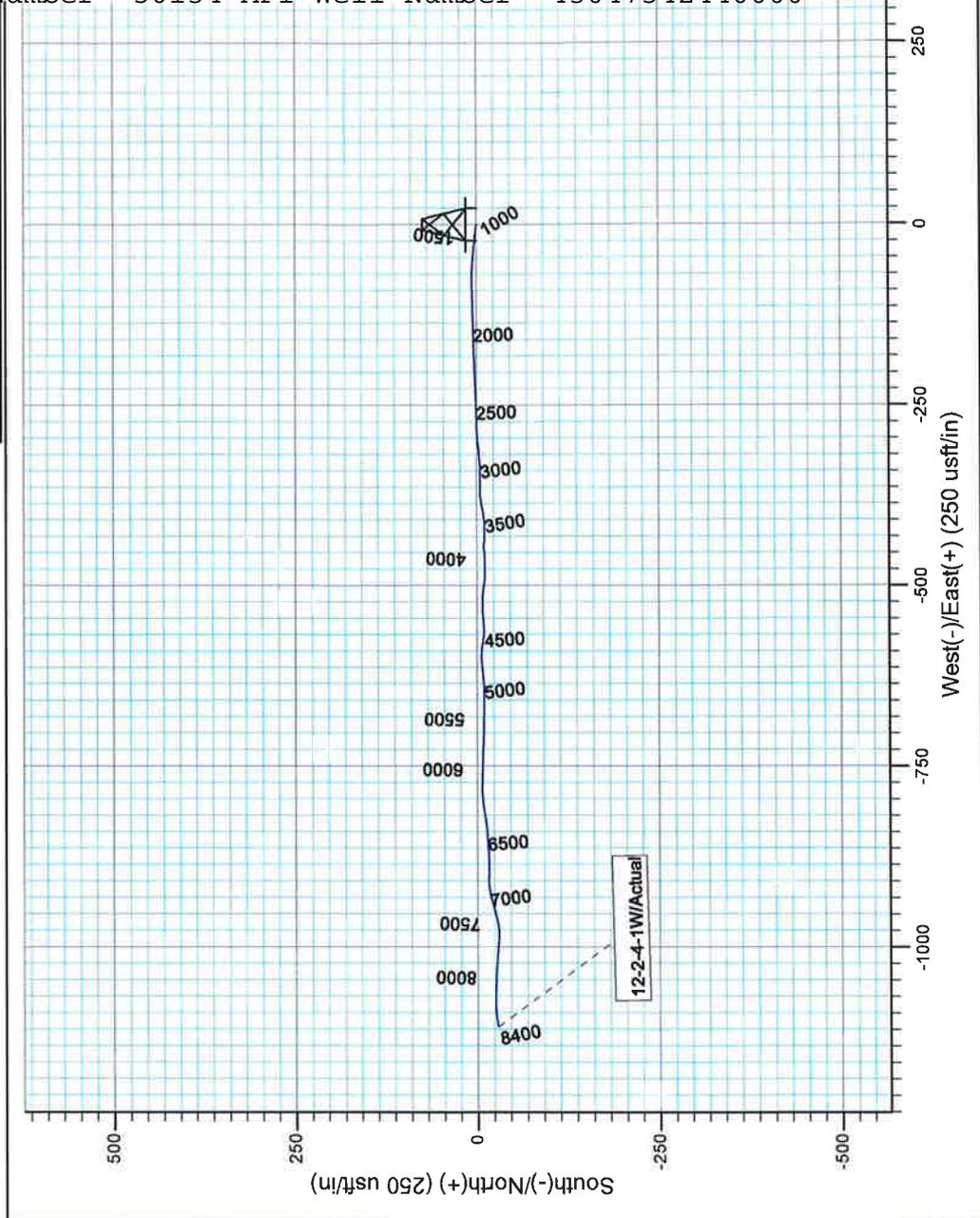
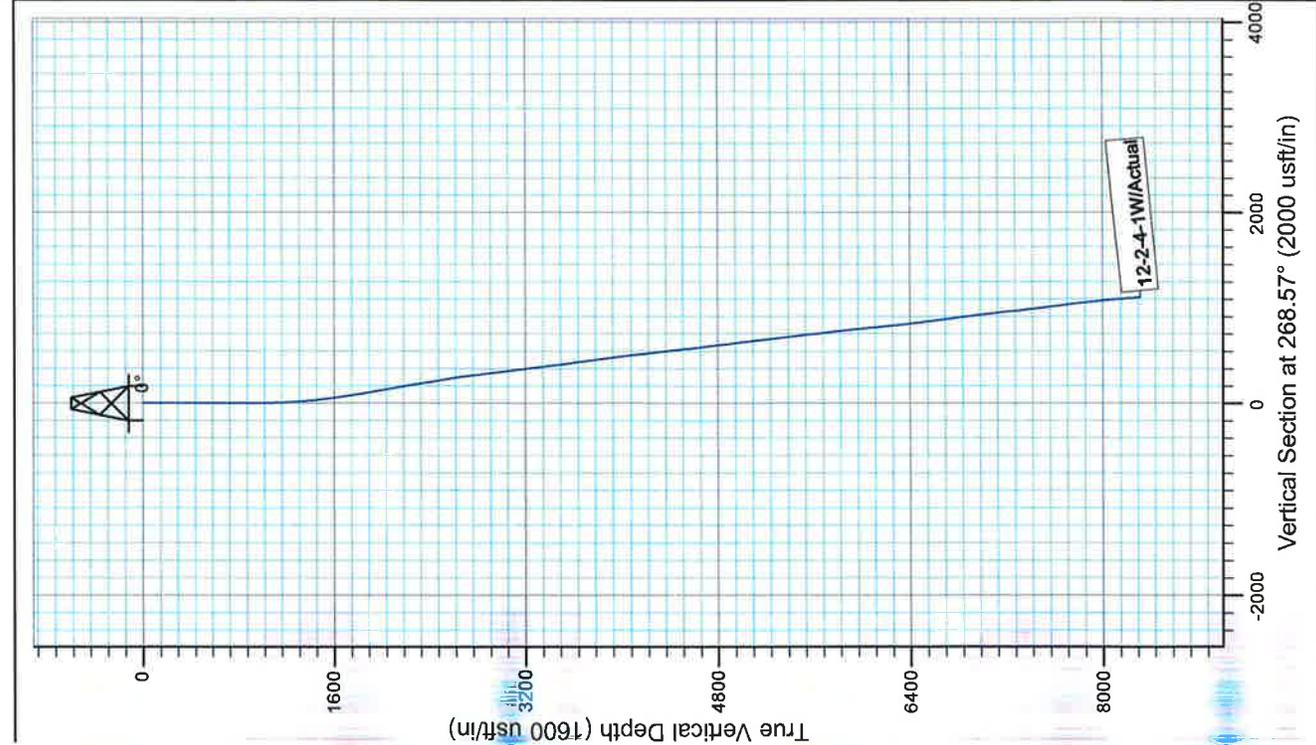
Checked By: _____ Approved By: _____ Date: _____



Project: USGS Myton SW (U1)
 Site: SECTION 2 T4S, R1W
 Well: 12-2-4-1W
 Wellbore: Wellbore #1
 Design: Actual



AZIMUTHS TO TRUE NORTH
 Magnetic North: 10.95°
 Magnetic Field
 Strength: 52084.3snT
 Dip Angle: 65.84°
 Date: 2/26/2014
 Model: IGRF2010



Design: Actual (12-2-4-1W/Wellbore #1)
 Created By: Matthew Larson Date: 7:27, March 18 20

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA



Well Name: Lamb 12-2-4-1W

Summary Rig Activity

Job Category		Job Start Date	Job End Date
Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
3/27/2014	3/28/2014	R/U Performers W/L RIH w/ CBL tools tag PBTD 8300' POOH under 0# Est. cmt top @ 324. Pres. test csg to 6900# for min. (good) & Frac stack as per Newfield reg. RIH perf stg. 1 WSTCH snds f/ (8129-31')(8122-24')(8102-03)(8073-77')(8042-43') all 2 spf @ 120 deg.	
Start Time	End Time	Comment	
06:30	10:00	R/U Performers W/L RIH w/ CBL tools tag PBTD @ 8300' log OOH w/ 0# @ 75' pm, est. cmt top @ 374'. L/D Logging tools and wait on BOP testing	
Start Time	End Time	Comment	
10:00	12:30	R/U RBS lesters. P/T csg. to 6900# hold for 30-min. (good) P/T all components of Frac stack @ flowback lines 250# low for 5- min. and 6900# high for 10-min. (all tests good)	
Start Time	End Time	Comment	
12:30	14:30	R/U w/ Perforators again P/U RIH w/ 3-1/8 perf gun perf stg. 1.WSTCH snds f/ (8129-31')(8122-24')(8102-03)(8073-77')(8042-43') all 2 spf @ 120 deg. POOH L/D guns & R/D W/L SWI	
Start Time	End Time	Comment	
14:30	00:00	SDFN	
Report Start Date	Report End Date	24hr Activity Summary	
3/28/2014	3/29/2014	Frac stgs. 1-5 as per design, RIH w/ W/L set CIBP and perf C-Sand 6745-46' on stg. #6 RIH w/ down hole pres. bombs break dwn and preform DFIT over weekend	
Start Time	End Time	Comment	
00:00	05:00	SDFN	
Start Time	End Time	Comment	
05:00	06:30	Cont. R/U of HES frac equip. Hold PJSM	
Start Time	End Time	Comment	
06:30	07:15	Frac Stg 1, WSTCH, w/ 9900#s of 100 mesh, 75,800#s of 20/40 white sand & 11,100 of 20/40 RC in 2006 total bbls fluid. Open pressure 1290 psi. Broke @ 3137 psi @ 2.5 BPM w/ 5.4 bbls. F/ inj rate 45.8 bpm @ 4835. ISIP @ 3091 for FG of .83. Treated w/ ave pressure of 4547 psi & ave rate of 53.9 BPM. Max treating pressure 4832 psi & max rate of 60.3 BPM ISIP 3340 psi, FG:.86 5-min. 3106, 10-min. 3053, 15-min.3002 Turn well over to The Perforators W/L	
Start Time	End Time	Comment	
07:15	08:30	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CFP @ 8010' and perf stg. # 2, WSTCH sands f/ (7972-74')(7953-55')(7926-27')(7917-20')(7890-91')(7879-80') 3 spf @ 120 deg. Phasing POOH L/D setting tool and guns Turn over to HES	
Start Time	End Time	Comment	
08:30	09:45	Frac Stg 2, WSTCH, w/ 12,900#s of 100 mesh, 103,900#s of 20/40 white sand & 13,000 of 20/40 RC in 2484 total bbls fluid. Open pressure 2692 psi. Broke @ 3099 psi @ 6.4 BPM w/ 2.1 bbls. F/ inj rate 47.1 bpm @ 4220, ISIP @ 2874 for FG of .81. Treated w/ ave pressure of 4140 psi & ave rate of 59.6 BPM. Max treating pressure 4648 psi & max rate of 60.5 BPM ISIP 3106 psi, FG:.84, 5-min. 2867, 10-min. 2832, 15-min.2815 Turn well over to The Perforators W/L	
Start Time	End Time	Comment	
09:45	11:30	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CFP @ 7850' and perf stg. # 3, WSTCH sands f/ (7810-12')(7779-80')(7757-61')(7739-41')(7719-20') 3 spf @ 120 deg. Phasing POOH L/D setting tool and guns Turn over to HES	
Start Time	End Time	Comment	
11:30	13:00	Attempt to Pres. test had a leak btwn frac head and single blind tighten down pres. test still leaked, remove frac head and replace 10k ring gasket	
Start Time	End Time	Comment	
13:00	14:00	Frac Stg 3, WSTCH, w/ 12,000#s of 100 mesh, 95,700#s of 20/40 white sand & 10,640 of 20/40 RC in 2310 total bbls fluid. Open pressure 2629 psi. Broke @ 2960 psi @ 7.1 BPM w/ 3.1 bbls. F/ inj rate 45.8 bpm @ 3929, ISIP @ 2930 for FG of .82. Treated w/ ave pressure of 4171 psi & ave rate of 58.8 BPM. Max treating pressure 4599 psi & max rate of 60.6 BPM ISIP 3192 psi, FG:.85, 5-min.2959, 10-min. 2875, 15-min.2834 Turn well over to The Perforators W/L	



Well Name: Lamb 12-2-4-1W

Summary Rig Activity

Start Time	End Time	Comment
14:00	15:15	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CFP @ 7680' and perf stg. # 4, BSCARB sands f/ (7636-39)(7620-21)(7602-04)(7594-95)(7577-78)(7572-73) 2 spf @ 180 deg. Phasing POOH L/D setting tool and guns Turn over to HES
15:15	16:15	Frac Stg 4, BSCARB, w/ 5000#s of 100 mesh, 44,800#s of 30/50 white sand 1593 total bbls fluid. Open pressure 2665 psi. Broke @ 3211 psi @ 7.8 BPM w/ 3.2 bbls. F/ inj rate 35.6 bpm @ 4090, ISIP @ 2970 for FG of .83. Treated w/ ave pressure of 3900 psi & ave rate of 42.7 BPM. Max treating pressure 4272 psi & max rate of 45.3 BPM ISIP-3085 psi, FG:.85, 5-min.2818 , 10-min. 2765, 15-min.2739 Turn well over to The Perforators W/L
16:15	17:15	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CFP @ 7680' and perf stg. #5, CP-Limes sands f/ (7484-87)(7454-57)(7417-18)(7409-10)(7417-18)(7409-10) 2 spf @ 180 deg. Phasing POOH L/D setting tool and guns Turn over to HES
17:15	18:15	Frac Stg 5, CP-Limes, w/ 9800#s of 100 mesh, 45k 47,420k#s of 30/50 white sand cut snad and went to flush w/ last 1.5# sand stg. 1593 total bbls fluid. Open pressure 2542 psi. Broke @ 3270 psi @ 7.5 BPM w/ 4.3 bbls. F/ inj rate 29.6 bpm @ 3560, ISIP @ 2745 for FG of .81. Treated w/ ave pressure of 3775 psi & ave rate of 44.8 BPM. Max treating pressure 4354 psi & max rate of 49.5 BPM ISIP-2740 psi, FG:.81, 5-min.2674 , 10-min. 2658, 15-min.2696 Turn well over to The Perforators W/L
18:15	20:30	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CIBP @ 6900' w/ 2696# on well bleed well off to ensure plug is holding pack off lub, P/T plug w/ HES to 4800# for 5-min. (good) perf stg. #6, C-sands f/ (6745-46) 2 spf @ 180 deg. Phasing POOH L/D setting tool and guns P/U RIH w/ dwn hole pres. bombs set in collar @ 6820' Turn over to HES
20:30	22:00	Install Data Trap gauge pres. test HES iron to 7000#, Break perf @ 6478 @ 3.2 bpm after 13th attempt , cont. to inj. 15 bbls @ 6190 @ 3.2 bpm ISIP @ 5970 FG.1.34 close & lock blinds close HES ground valves Leave well shut in until Mon. the 31st
22:00	00:00	SDFN
24hr Activity Summary		
Report Start Date 3/31/2014	Report End Date 4/1/2014	Check DFIT info 135 SIP, est. good data f/ sur. and dwn hole gauges, RIH perf stg. 6 Frac and perf stg. 7 open to flow back @ 3bpm
Start Time 00:00	End Time 07:00	SDFN
Start Time 07:00	End Time 09:30	SIP#135, Bleed well off RIH w/ ret. tool for dwn hole bombs pull tools Check sur. and dwn hole gauges for good data, Both gauges recorded, Re- head (had to jar to get bombs free) P/T lub. to 4000# RIH and shoot remaining perfs in C-Sand f/ (6735-38)(6724-26)(6714-16)(6700-02)(6626-28) 2 spf @ 180 deg. POOH and turn well over to HES
Start Time 09:30	End Time 10:30	Frac Stg 6, C-Sand, w/ 8k of 30/50 white sand (remaining in mover) & 243,300 of 20/40 white 1922 total bbls fluid. Open pressure 0 psi. Broke @ 2260 psi @ 6.8 BPM w/ 4.9 bbls. F/ inj rate 35.4 bpm @ 2587, ISIP @ 1154 for FG of .62. Treated w/ ave pressure of 2776 psi & ave rate of 47.5 BPM. Max treating pressure 3008 psi & max rate of 48.2 BPM ISIP-2134 psi, FG:.76, 5-min.1896 , 10-min. 1785, 15-min.1728 Turn well over to The Perforators W/L
Start Time 10:30	End Time 11:30	R/U W/L Pres. test lub to 4000# (good) RIH @ 320' pm set CFP @ 6560' and perf stg. # , D-2 sands f/ (64-90-94) (6477-79)(6458-60) 2 spf @ 180 deg. Phasing POOH L/D setting tool and guns Turn over to HES



Well Name: Lamb 12-2-4-1W

Summary Rig Activity

Start Time	11:30	End Time	12:30	Comment
Start Time	12:30	End Time	15:00	Comment
Start Time	15:00	End Time	17:00	Comment
Start Time	17:00	End Time	00:00	Comment
Report Start Date	4/1/2014	Report End Date	4/2/2014	24hr Activity Summary
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	10:00	Comment
Start Time	10:00	End Time	14:30	Comment
Start Time	14:30	End Time	17:30	Comment
Start Time	17:30	End Time	19:00	Comment
Start Time	19:00	End Time	20:30	Comment
Start Time	20:30	End Time	21:30	Comment
Start Time	21:30	End Time	00:00	Comment
Report Start Date	4/2/2014	Report End Date	4/3/2014	24hr Activity Summary
Start Time	00:00	End Time	06:00	Comment
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	07:30	Comment



Well Name: Lamb 12-2-4-1W

Summary Rig Activity

Start Time	07:30	End Time	16:00	Comment
				PUJ 6 jnts tagging 150 ft of fill on CIPB, clean out fill down to CIBP @ 6900 jnt 215, establish 2 bbls in 2 bbls out @ 2,000 psi, drill out plug 90 min, 2600 psi under plug, hang swivel back PU 19 jnts tagging flow through @ 7530 jnt 234 (no fill), drill out plug 60 min, having troubles w/ cone of CIBP and pressure, swivel in 5 jnts tagging next plug @ 7680 jnt 239 (no fill), drill out plug 45 min, loosing washington during drill out, collar in rubber as drilling, X-O washington rubber, finish drilling, swivel in 5 jnts tagging next plug @ 7650 jnt 244, (no fill) drill out plug 15 min, swivel in 5 more jnts tagging 1st plug @ 8010 jnt 249, drill out plug 20 min, pressure maintaining 1500 psi throughout entire drill out, swivel in 4 jnts tagging 180 ft of fill on PBTD, clean out fill down to PBTD @ 8347
Start Time	16:00	End Time	18:00	Comment
				Roll hole @ w/ 250bbls 4% KCL 2 bpm in and 2 bpm out pres. staying @ 1500#
Start Time	18:00	End Time	18:30	Comment
				L/D 10 jts. EOT @ 8010' Shut well in while pumper getting prep for flowback
Start Time	18:30	End Time	06:00	Comment
				Turn well over to Bill Muir open w/ 1150# on a 10 choke to flow up ann. (would not flow on #8) Recovered overnight 40 oil & 112 wtr. pres. @ 1350 on csg. 54mcf flow rate
Report Start Date 4/3/2014 Report End Date 4/4/2014 24hr Activity Summary				
Start Time	00:00	End Time	06:00	Comment
				SDFN
Start Time	06:00	End Time	07:00	Comment
				Crew Travel
Start Time	07:00	End Time	07:30	Comment
				TBG 0 PSI, CSG 1250 PSI, OPEN UP WELL, RIH W/ 10 JNTS OUT OF DERRICK, TAGGING PBTD @ 8347 NO NEW FILL
Start Time	07:30	End Time	10:00	Comment
				ROLL HOLE 250 BBLs @ 2BPM & CSG CHOKED BACK ON A 20 CHOKE, CSG BUILDING UP TO 1375 AND LEVELING OFF @ 1250
Start Time	10:00	End Time	11:00	Comment
				STRIP OFF WASHINGTON RUBBER, PUT TBG HANGER ON W/ WASHINGTON RUBBER ABOVE, STRIP BACK ON, EQUALIZE W/ PUMP, LAND WELL, TEARING RUBBER WELL WOULDN'T BLEED OFF, STRIP BACK OUT, REPLACE RUBBER, FLUSH BOWL, STRIP BACK IN, HOOK UP EQUALIZING HOSE, EQUALIZE SLOWLY, LAND WELL EOT @ 6416.9
Start Time	11:00	End Time	13:00	Comment
				RD WORKFLOOR, ND BOP, ND BLIND RAM, NU CAMERON 5K PROD TREE W/ ADJUSTABLE CHOKE
Start Time	13:00	End Time	13:30	Comment
				W/ CAMERON HAND PUMP P/T VOID ON EXTENDED HNG NECK W/ HAND PUMP TO 5000# (GOOD) R/U RBS TESTERS P/T PROD TREE TO 5000# (GOOD)
Start Time	13:30	End Time	14:30	Comment
				Rig / Equipment Down
Start Time	14:30	End Time	15:30	Comment
				RU PLS SLICK LINE TRUCK P/T LUB TO 3000# W/ RIG PUMP (GOOD), RIH W/ EQ/RET. TOOL FOR 2.31 XN NIPPLE @ 6380 EQ WELL TO 1200# RLS PLUG AND POOH R/D PLS
Start Time	15:30	End Time	16:00	Comment
				DROP 1-3/8 POBS BALL, R/U PUMP LINE WAIT 15 MIN. FOR BALL TO LAND ON BRS PUMP 1 BBL, CATCHING 2000 PSI AND PUMPING OFF BIT AND FOLLOWING W/ 10 BBLs @ 1300# AND 2BPM
Start Time	16:00	End Time	17:00	Comment
				RACK OUT PUMP, CLEAN UP LOCATION, BRING IN MEACHEM CONS. CREW BUILD FLOWLINE F/ PROD TREE TO TNKS P/T LINE W/ RBS TO 3000# (GOOD) TURN WELL OVER TO PROD. AND FLOW CREW OPEN ON #8 CHOKE, SDFN



Well Name: Lamb 12-2-4-1W

Summary Rig Activity

Start Time	17:00	End Time	18:00	Comment
Start Time	18:00	End Time	18:00	Comment
Report Start Date	4/4/2014	Report End Date	4/5/2014	24hr Activity Summary
Start Time		End Time		Comment