API Well Number: 43013511450000

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
Connolly 10-24-3-3W

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

3. FIELD OR WILDCAT
WILDCAT

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

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

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

9. OPERATOR E-MAIL
mcrozier@newfield.com

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

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

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

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Stanley H. and Barbara A. Keller

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

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
HC 64 Box 395, 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 ○ (Submit Commingling Application) NO ■

19. SLANT
VERTICAL ○ DIRECTIONAL ■ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1881 FSL 466 FEL	NESE	24	3.0 S	3.0 W	U
Top of Uppermost Producing Zone	1881 FSL 1785 FEL	NWSE	24	3.0 S	3.0 W	U
At Total Depth	1881 FSL 1785 FEL	NWSE	24	3.0 S	3.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
1785

23. NUMBER OF ACRES IN DRILLING UNIT
40

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1320

26. PROPOSED DEPTH
MD: 10418 TVD: 10200

27. ELEVATION - GROUND LEVEL
5214

28. BOND NUMBER
B001834

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 1006	36.0	J-55 ST&C	8.3	Premium Lite High Strength	51	3.53	11.0
							Class G	156	1.17	15.8
I1	8.75	7	0 - 8196	26.0	P-110 Other	11.5	Premium Lite High Strength	248	3.53	11.0
							50/50 Poz	296	1.24	14.3
L1	6.125	4.5	7996 - 10338	11.5	P-110 LT&C	11.5	50/50 Poz	205	1.24	14.3

ATTACHMENTS

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

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

NAME Mandie Crozier | **TITLE** Regulatory Tech | **PHONE** 435 646-4825

SIGNATURE | **DATE** 12/22/2011 | **EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013511450000

APPROVAL
Permit Manager

CONFIDENTIAL

RECEIVED: March 01, 2012

Newfield Production Company
Connolly 10-24-3-3W
NE/SE Section 24, T3S, R3W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River (TVD)	3,169'
Garden Gulch member (TVD)	6,071'
Wasatch (TVD)	8,555'
TD (TVD)	10,200'
TD (MD)	10,338'

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

Base of moderately saline	470'	(water)
Green River (TVD)	6,071' - 8,555'	(oil)
Wasatch (TVD)	8,555' - TD	(oil)

3. Pressure Control

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

4. Casing

Description	Interval (MD)		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor	0'	60'	37	H-40	Weld	--	--	--	--	--	--
14									--	--	--
Surface	0'	1,006'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
9 5/8									6.24	6.31	10.88
Intermediate	0'	8,196'	26	P-110	LTC	9	9.5	15	9,960	6,210	693,000
7									2.57	1.92	3.25
Production	7,996'	10,338'	11.6	P-110	LTC	11	11.5	--	10,690	7,560	279,000
4 1/2									2.19	1.47	2.33

Assumptions:

CONFIDENTIAL

RECEIVED: December 22, 2011

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Intermediate casing MASP = (reservoir pressure) - (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.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41 / 35	15%	15.8	1.17
Surface Lead	12 1/4	500'	Premium Lite II w/ 3% KCl + 10% bentonite	180 / 51	15%	11.0	3.53
Surface Tail	12 1/4	506'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	182 / 156	15%	15.8	1.17
Intermediate Lead	8 3/4	5,071'	Premium Lite II w/ 3% KCl + 10% bentonite	877 / 248	15%	11.0	3.53
Intermediate Tail	8 3/4	2,125'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	367 / 296	15%	14.3	1.24
Production Tail	6 1/8	2,342'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	254 / 205	15%	14.3	1.24

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

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

6. Type and Characteristics of Proposed Circulating Medium

Interval — **Description**

Surface - 1,006'

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

1,006' - 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.

CONFIDENTIAL

RECEIVED: December 22, 2011

Anticipated maximum mud weight is 11.5 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 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 0.57 psi/ft gradient.

10,338' x 0.57 psi/ft = 5913 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

This is planned as an "S" shaped directional well. A directional plan is attached.
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 9.2

CONFIDENTIAL

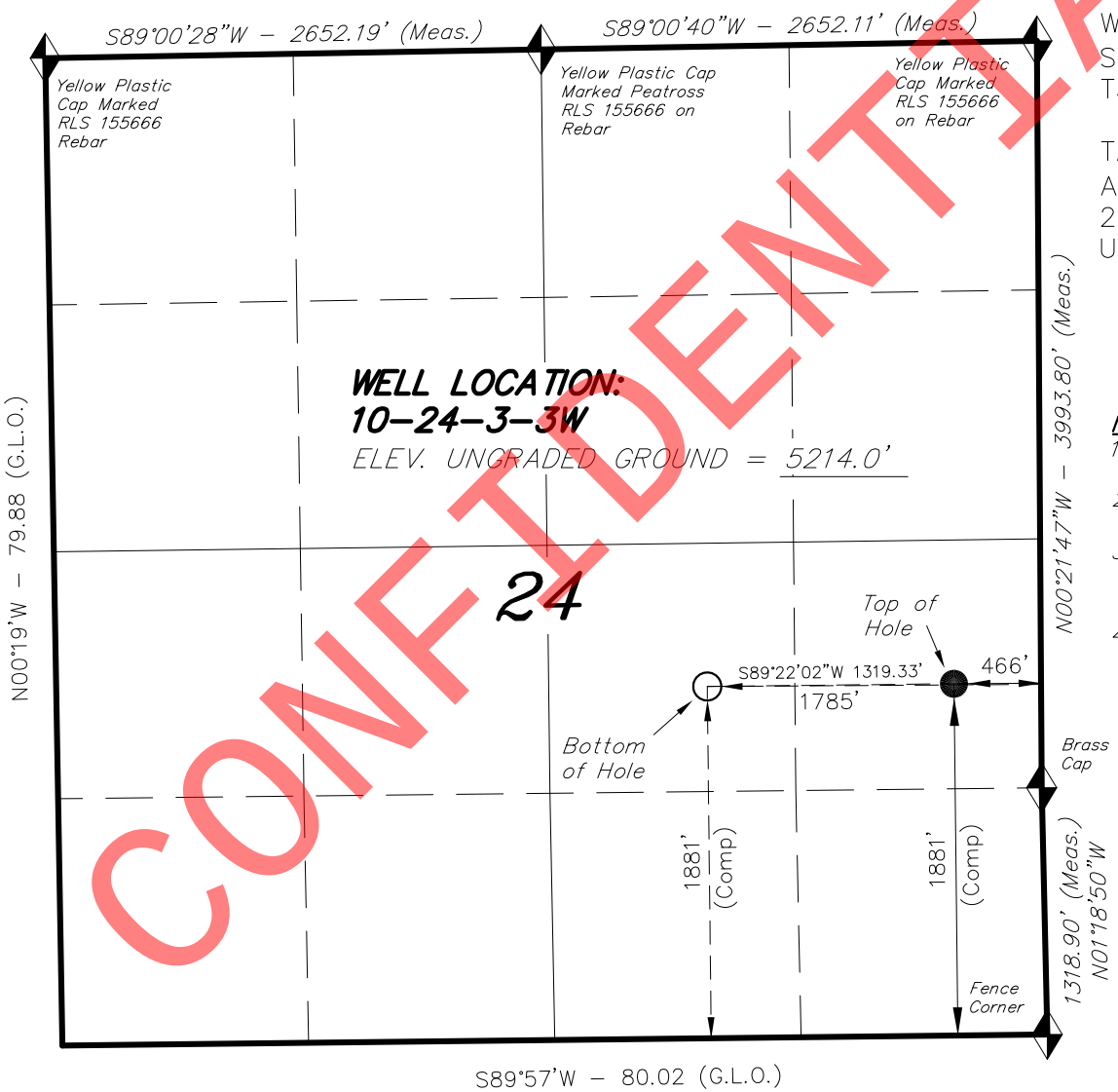
RECEIVED: December 22, 2011

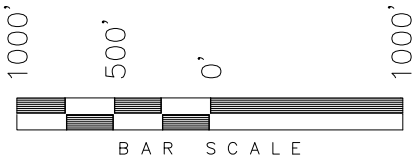
T3S, R3W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 10-24-3-3W, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 24, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 10-24-3-3W, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 24, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.





NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Proposed Well head bears N40°08'10"W 727.86' from the Southeast Corner of the NE 1/4 SE 1/4 of Section 24.
4. The Proposed Bottom Hole bears N73°08'37"W 1868.72' from the Southeast Corner of the NE 1/4 SE 1/4 of Section 24.

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

REGISTERED LAND SURVEYOR No.189377 11-30-11 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

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

10-24-3-3W (Surface Location) NAD 83
LATITUDE = 40° 12' 19.33"
LONGITUDE = 110° 09' 48.30"

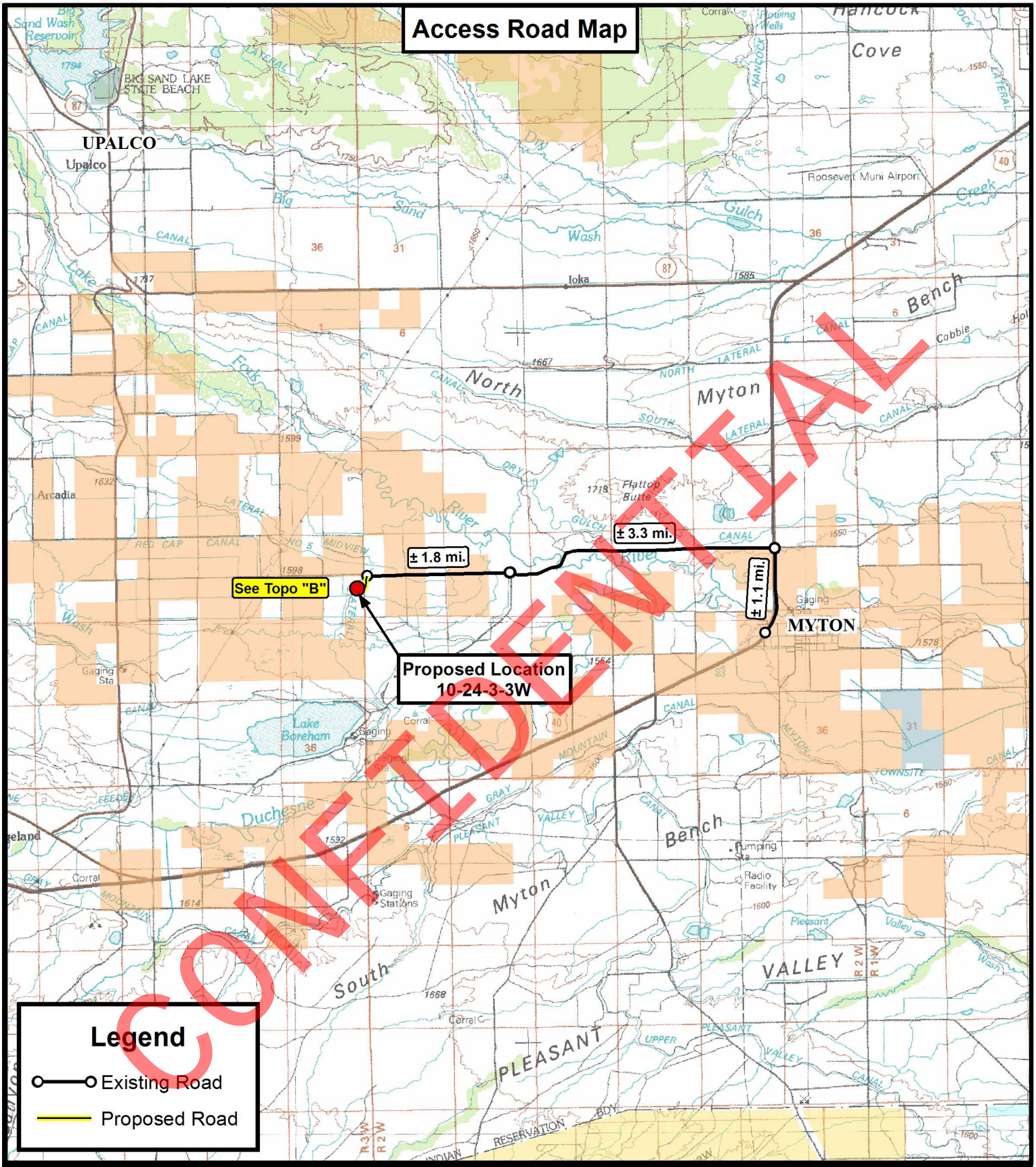
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 11-07-11	SURVEYED BY: D.P.	VERSION:
DATE DRAWN: 11-08-11	DRAWN BY: F.T.M.	V2
REVISED: 11-30-11 F.T.M.	SCALE: 1" = 1000'	

CONFIDENTIAL

RECEIVED: December 22, 2011

API Well Number: 43013511450000



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

N

NEWFIELD EXPLORATION COMPANY

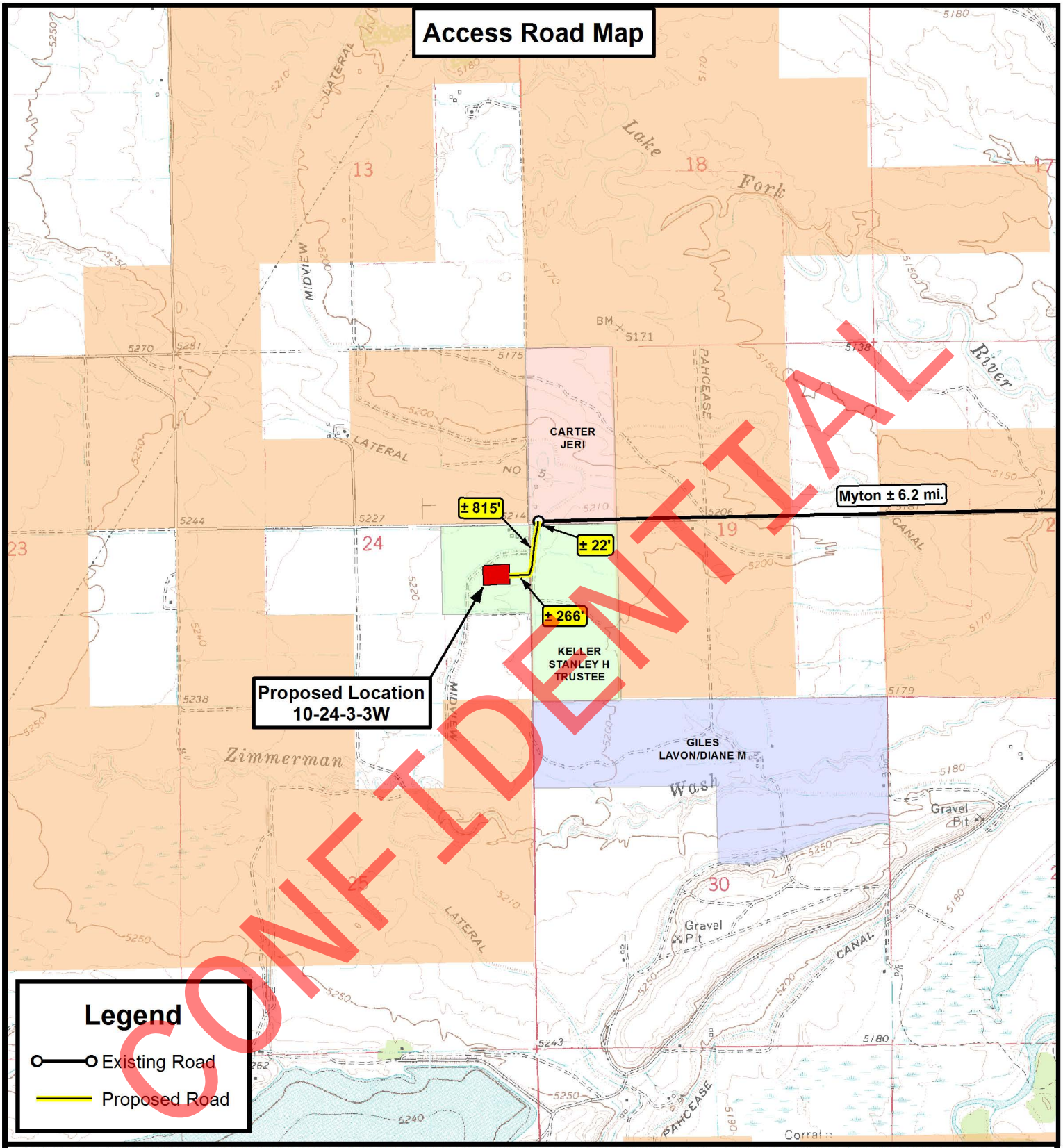
10-24-3-3W
SEC. 24, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 11-30-11 D.C.R.	VERSION:	
DATE: 11-08-2011		V2	
SCALE: 1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013511450000



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

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

N

NEWFIELD EXPLORATION COMPANY

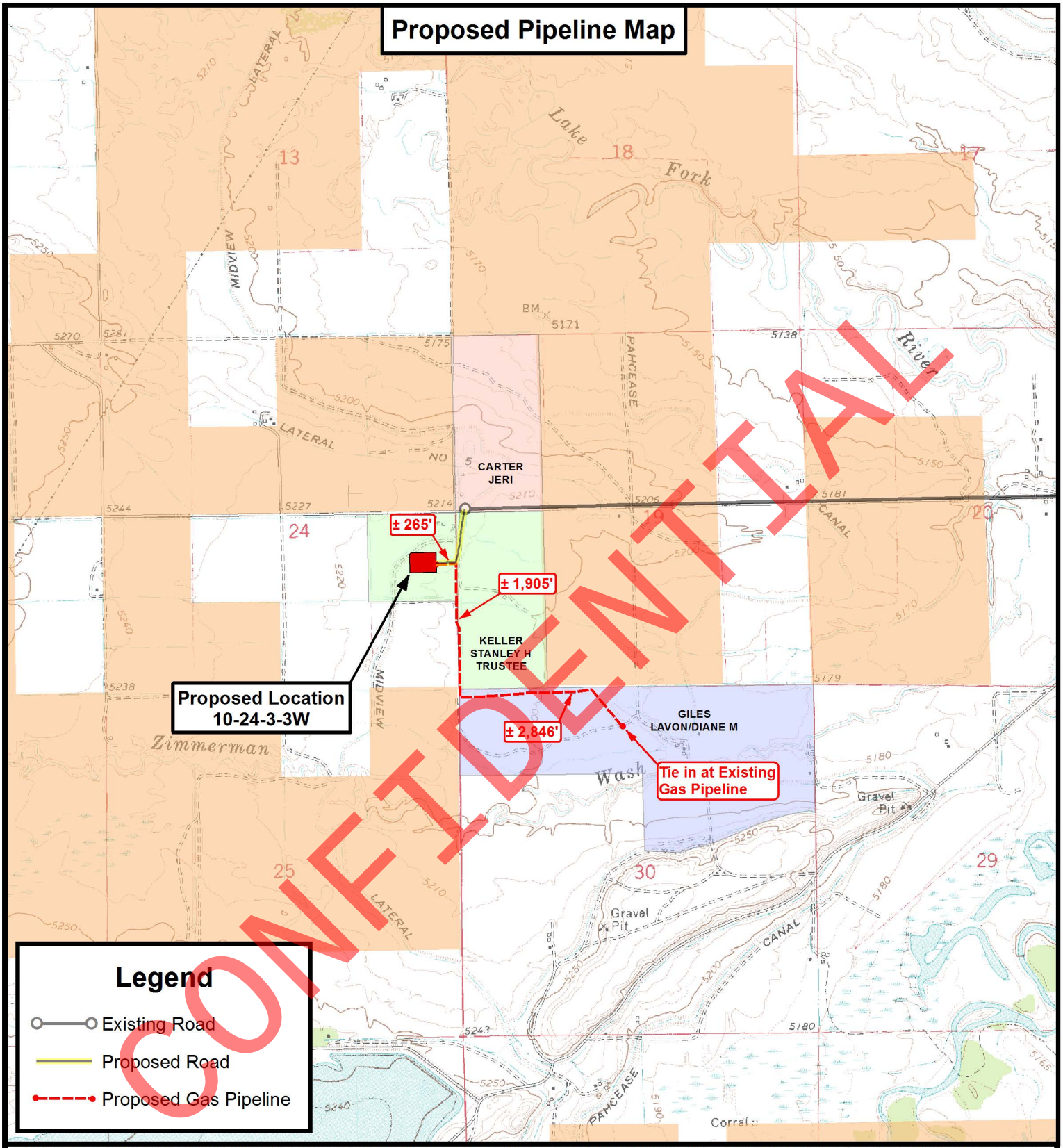
10-24-3-3W
SEC. 24, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 11-30-11 D.C.R.	VERSION:	
DATE: 11-08-2011		V2	
SCALE: 1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013511450000



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

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

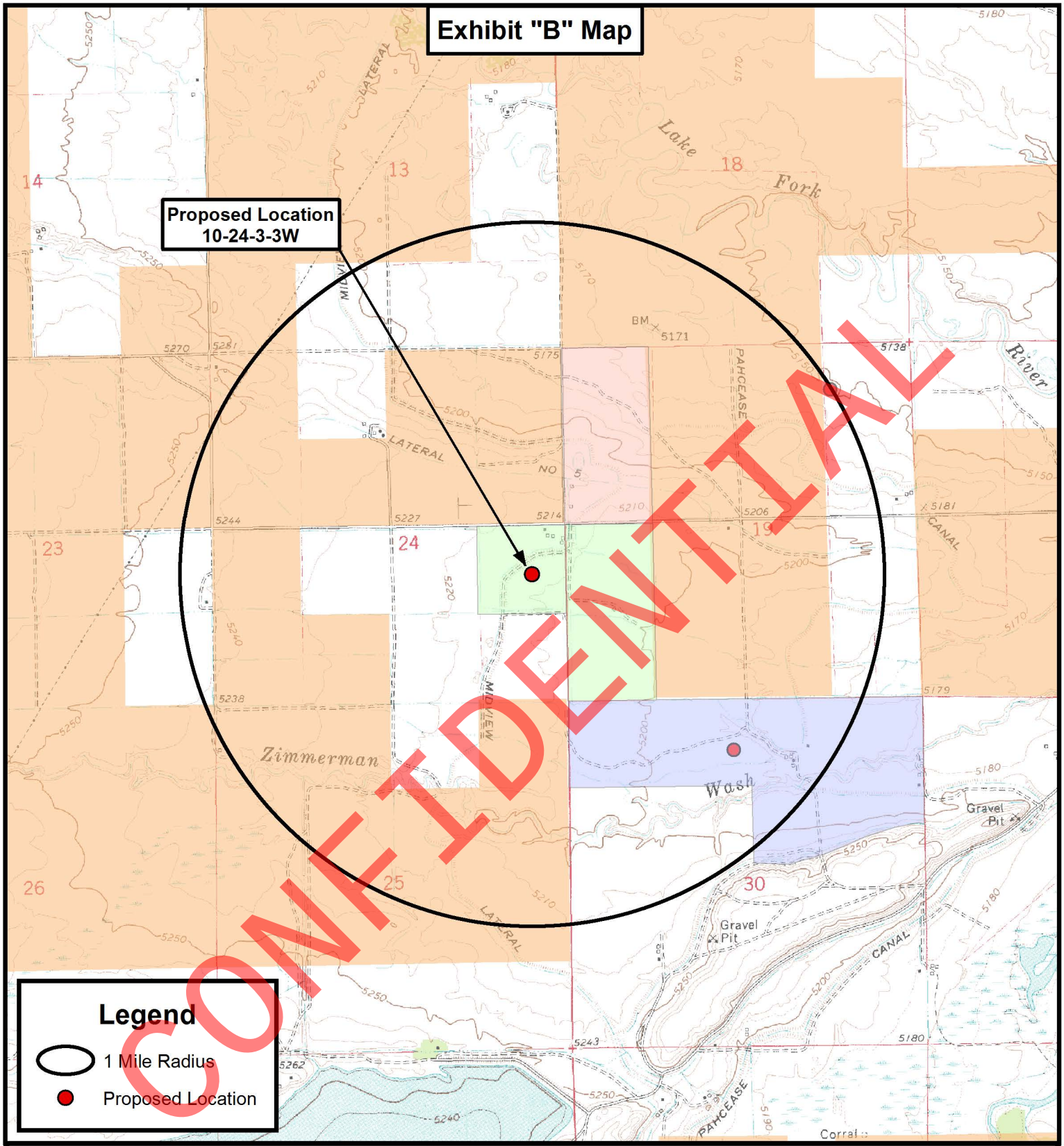
N

NEWFIELD EXPLORATION COMPANY

10-24-3-3W
SEC. 24, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 11-30-11 D.C.R.	VERSION:	TOPOGRAPHIC MAP
DATE: 11-08-2011		V2	SHEET C
SCALE: 1 " = 2,000 '			

API Well Number: 43013511450000



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

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

N

NEWFIELD EXPLORATION COMPANY

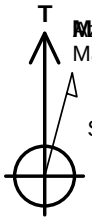
10-24-3-3W
SEC. 24, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: A.P.C.	REVISED: 11-30-11 D.C.R.	VERSION:	TOPOGRAPHIC MAP
DATE: 11-08-2011		V2	SHEET D
SCALE: 1 " = 2,000 '			

NEWFIELD ROCKY MOUNTAINS

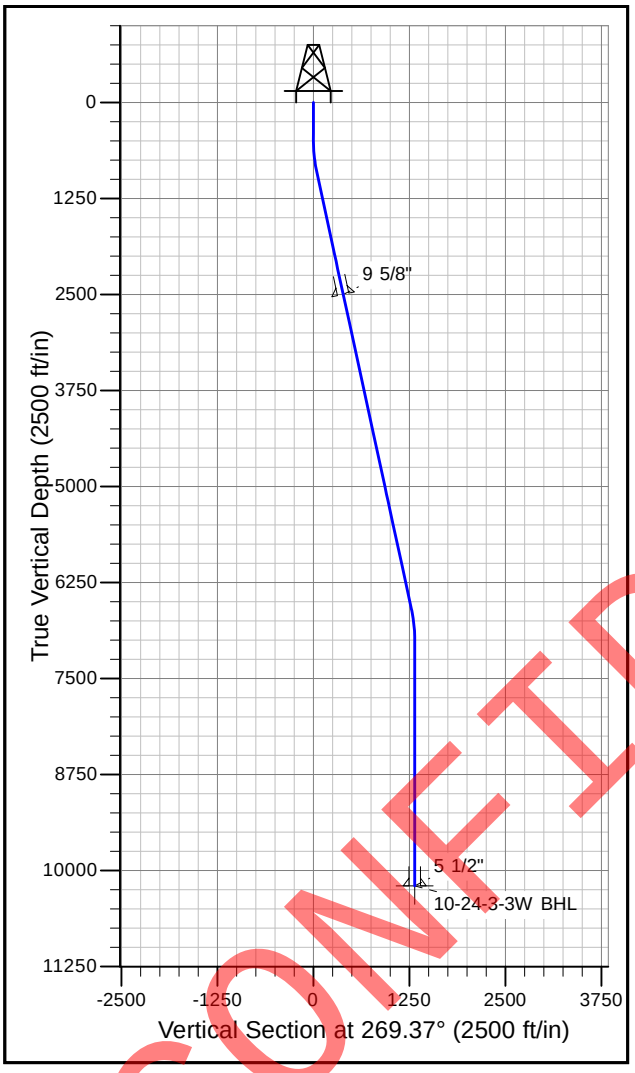
Newfield Production Company

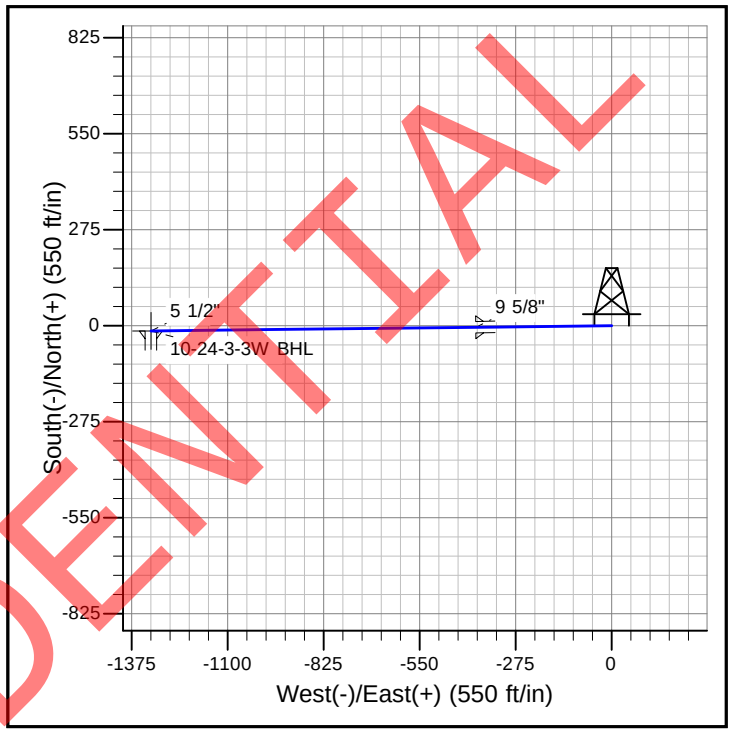
Project: Uinta Basin
Site: Connolly 10-24-3-3W
Well: Connolly 10-24-3-3W
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.27°

Magnetic Field
Strength: 52316.6snT
Dip Angle: 65.90°
Date: 2/29/2012
Model: IGRF200510





CONFIDENTIAL

PROJECT DETAILS: Uinta Basin

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level

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	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	907.4	12.22	269.37	904.3	-0.5	-43.3	3.00	269.37	43.3	
4	6730.8	12.22	269.37	6595.7	-14.1	-1276.0	0.00	0.00	1276.0	
5	7138.1	0.00	0.00	7000.0	-14.6	-1319.2	3.00	180.00	1319.3	
6	10338.1	0.00	0.00	10200.0	-14.6	-1319.2	0.00	0.00	1319.3	10-24-3-3W BHL

RECEIVED: December 22, 2011

Newfield Production Company

Uinta Basin
Connolly 10-24-3-3W
Connolly 10-24-3-3W

Wellbore #1

Plan: Design #1

Standard Planning Report

01 March, 2012

CONFIDENTIAL

RECEIVED: December 22, 2011

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Connolly 10-24-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5232.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5232.0ft
Site:	Connolly 10-24-3-3W	**North Reference:**	True
Well:	Connolly 10-24-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Uinta Basin

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

Site Connolly 10-24-3-3W

Site Position:		**Northing:**	2,208,682.96 m	**Latitude:**	40° 12' 19.330 N
From:	Lat/Long	**Easting:**	613,779.97 m	**Longitude:**	110° 9' 48.300 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	0.000 in	**Grid Convergence:**	0.86 °

Well Connolly 10-24-3-3W

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,208,682.96 m	**Latitude:**	40° 12' 19.330 N
	+E/-W	0.0 ft	**Easting:**	613,779.97 m	**Longitude:**	110° 9' 48.300 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**		**Ground Level:**	5,214.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2/29/2012	11.27	65.90	52,317

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	269.37

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
907.4	12.22	269.37	904.3	-0.5	-43.3	3.00	3.00	0.00	269.37	
6,730.8	12.22	269.37	6,595.7	-14.1	-1,276.0	0.00	0.00	0.00	0.00	
7,138.1	0.00	0.00	7,000.0	-14.6	-1,319.2	3.00	-3.00	0.00	180.00	
10,338.1	0.00	0.00	10,200.0	-14.6	-1,319.2	0.00	0.00	0.00	0.00	10-24-3-3W BHL

CONFIDENTIAL

RECEIVED: December 22, 2011

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Connolly 10-24-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5232.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5232.0ft
Site:	Connolly 10-24-3-3W	**North Reference:**	True
Well:	Connolly 10-24-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
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	3.00	269.37	600.0	0.0	-2.6	2.6	3.00	3.00	0.00
700.0	6.00	269.37	699.6	-0.1	-10.5	10.5	3.00	3.00	0.00
800.0	9.00	269.37	798.8	-0.3	-23.5	23.5	3.00	3.00	0.00
900.0	12.00	269.37	897.1	-0.5	-41.7	41.7	3.00	3.00	0.00
907.4	12.22	269.37	904.3	-0.5	-43.3	43.3	3.00	3.00	0.00
1,000.0	12.22	269.37	994.8	-0.7	-62.9	62.9	0.00	0.00	0.00
1,100.0	12.22	269.37	1,092.6	-0.9	-84.1	84.1	0.00	0.00	0.00
1,200.0	12.22	269.37	1,190.3	-1.2	-105.2	105.2	0.00	0.00	0.00
1,300.0	12.22	269.37	1,288.0	-1.4	-126.4	126.4	0.00	0.00	0.00
1,400.0	12.22	269.37	1,385.8	-1.6	-147.6	147.6	0.00	0.00	0.00
1,500.0	12.22	269.37	1,483.5	-1.9	-168.7	168.7	0.00	0.00	0.00
1,600.0	12.22	269.37	1,581.2	-2.1	-189.9	189.9	0.00	0.00	0.00
1,700.0	12.22	269.37	1,679.0	-2.3	-211.1	211.1	0.00	0.00	0.00
1,800.0	12.22	269.37	1,776.7	-2.6	-232.2	232.2	0.00	0.00	0.00
1,900.0	12.22	269.37	1,874.4	-2.8	-253.4	253.4	0.00	0.00	0.00
2,000.0	12.22	269.37	1,972.2	-3.0	-274.6	274.6	0.00	0.00	0.00
2,100.0	12.22	269.37	2,069.9	-3.3	-295.7	295.8	0.00	0.00	0.00
2,200.0	12.22	269.37	2,167.6	-3.5	-316.9	316.9	0.00	0.00	0.00
2,300.0	12.22	269.37	2,265.4	-3.7	-338.1	338.1	0.00	0.00	0.00
2,400.0	12.22	269.37	2,363.1	-4.0	-359.2	359.3	0.00	0.00	0.00
2,500.0	12.22	269.37	2,460.8	-4.2	-380.4	380.4	0.00	0.00	0.00
2,540.1	12.22	269.37	2,500.0	-4.3	-388.9	388.9	0.00	0.00	0.00
9 5/8"									
2,600.0	12.22	269.37	2,558.6	-4.4	-401.6	401.6	0.00	0.00	0.00
2,700.0	12.22	269.37	2,656.3	-4.7	-422.7	422.8	0.00	0.00	0.00
2,800.0	12.22	269.37	2,754.0	-4.9	-443.9	443.9	0.00	0.00	0.00
2,900.0	12.22	269.37	2,851.8	-5.1	-465.1	465.1	0.00	0.00	0.00
3,000.0	12.22	269.37	2,949.5	-5.4	-486.2	486.3	0.00	0.00	0.00
3,100.0	12.22	269.37	3,047.2	-5.6	-507.4	507.4	0.00	0.00	0.00
3,200.0	12.22	269.37	3,145.0	-5.8	-528.6	528.6	0.00	0.00	0.00
3,300.0	12.22	269.37	3,242.7	-6.1	-549.7	549.8	0.00	0.00	0.00
3,400.0	12.22	269.37	3,340.4	-6.3	-570.9	571.0	0.00	0.00	0.00
3,500.0	12.22	269.37	3,438.2	-6.5	-592.1	592.1	0.00	0.00	0.00
3,600.0	12.22	269.37	3,535.9	-6.8	-613.3	613.3	0.00	0.00	0.00
3,700.0	12.22	269.37	3,633.6	-7.0	-634.4	634.5	0.00	0.00	0.00
3,800.0	12.22	269.37	3,731.4	-7.2	-655.6	655.6	0.00	0.00	0.00
3,900.0	12.22	269.37	3,829.1	-7.5	-676.8	676.8	0.00	0.00	0.00
4,000.0	12.22	269.37	3,926.8	-7.7	-697.9	698.0	0.00	0.00	0.00
4,100.0	12.22	269.37	4,024.6	-7.9	-719.1	719.1	0.00	0.00	0.00
4,200.0	12.22	269.37	4,122.3	-8.2	-740.3	740.3	0.00	0.00	0.00
4,300.0	12.22	269.37	4,220.0	-8.4	-761.4	761.5	0.00	0.00	0.00
4,400.0	12.22	269.37	4,317.8	-8.6	-782.6	782.6	0.00	0.00	0.00
4,500.0	12.22	269.37	4,415.5	-8.9	-803.8	803.8	0.00	0.00	0.00
4,600.0	12.22	269.37	4,513.2	-9.1	-824.9	825.0	0.00	0.00	0.00
4,700.0	12.22	269.37	4,611.0	-9.3	-846.1	846.2	0.00	0.00	0.00
4,800.0	12.22	269.37	4,708.7	-9.6	-867.3	867.3	0.00	0.00	0.00
4,900.0	12.22	269.37	4,806.4	-9.8	-888.4	888.5	0.00	0.00	0.00
5,000.0	12.22	269.37	4,904.2	-10.0	-909.6	909.7	0.00	0.00	0.00

CONFIDENTIAL

RECEIVED: December 22, 2011

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Connolly 10-24-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5232.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5232.0ft
Site:	Connolly 10-24-3-3W	**North Reference:**	True
Well:	Connolly 10-24-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	12.22	269.37	5,001.9	-10.3	-930.8	930.8	0.00	0.00	0.00
5,200.0	12.22	269.37	5,099.6	-10.5	-951.9	952.0	0.00	0.00	0.00
5,300.0	12.22	269.37	5,197.4	-10.8	-973.1	973.2	0.00	0.00	0.00
5,400.0	12.22	269.37	5,295.1	-11.0	-994.3	994.3	0.00	0.00	0.00
5,500.0	12.22	269.37	5,392.8	-11.2	-1,015.4	1,015.5	0.00	0.00	0.00
5,600.0	12.22	269.37	5,490.6	-11.5	-1,036.6	1,036.7	0.00	0.00	0.00
5,700.0	12.22	269.37	5,588.3	-11.7	-1,057.8	1,057.8	0.00	0.00	0.00
5,800.0	12.22	269.37	5,686.0	-11.9	-1,078.9	1,079.0	0.00	0.00	0.00
5,900.0	12.22	269.37	5,783.8	-12.2	-1,100.1	1,100.2	0.00	0.00	0.00
6,000.0	12.22	269.37	5,881.5	-12.4	-1,121.3	1,121.4	0.00	0.00	0.00
6,100.0	12.22	269.37	5,979.2	-12.6	-1,142.4	1,142.5	0.00	0.00	0.00
6,200.0	12.22	269.37	6,077.0	-12.9	-1,163.6	1,163.7	0.00	0.00	0.00
6,300.0	12.22	269.37	6,174.7	-13.1	-1,184.8	1,184.9	0.00	0.00	0.00
6,400.0	12.22	269.37	6,272.4	-13.3	-1,206.0	1,206.0	0.00	0.00	0.00
6,500.0	12.22	269.37	6,370.2	-13.6	-1,227.1	1,227.2	0.00	0.00	0.00
6,600.0	12.22	269.37	6,467.9	-13.8	-1,248.3	1,248.4	0.00	0.00	0.00
6,700.0	12.22	269.37	6,565.6	-14.0	-1,269.5	1,269.5	0.00	0.00	0.00
6,730.8	12.22	269.37	6,595.7	-14.1	-1,276.0	1,276.0	0.00	0.00	0.00
6,800.0	10.14	269.37	6,663.6	-14.2	-1,289.4	1,289.5	3.00	-3.00	0.00
6,900.0	7.14	269.37	6,762.5	-14.4	-1,304.4	1,304.5	3.00	-3.00	0.00
7,000.0	4.14	269.37	6,862.0	-14.5	-1,314.3	1,314.3	3.00	-3.00	0.00
7,100.0	1.14	269.37	6,961.9	-14.6	-1,318.9	1,318.9	3.00	-3.00	0.00
7,138.1	0.00	0.00	7,000.0	-14.6	-1,319.2	1,319.3	3.00	-3.00	0.00
7,200.0	0.00	0.00	7,061.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,161.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,261.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,361.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,461.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,561.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,661.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,761.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,861.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,100.0	0.00	0.00	7,961.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,200.0	0.00	0.00	8,061.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,161.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,261.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,361.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,461.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,561.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,661.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,761.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,861.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,100.0	0.00	0.00	8,961.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,200.0	0.00	0.00	9,061.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,300.0	0.00	0.00	9,161.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,261.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,500.0	0.00	0.00	9,361.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,461.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,561.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,800.0	0.00	0.00	9,661.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,761.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,861.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
10,100.0	0.00	0.00	9,961.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
10,200.0	0.00	0.00	10,061.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00

CONFIDENTIAL

RECEIVED: December 22, 2011

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Connolly 10-24-3-3W
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5232.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5232.0ft
Site:	Connolly 10-24-3-3W	**North Reference:**	True
Well:	Connolly 10-24-3-3W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,300.0	0.00	0.00	10,161.9	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
10,338.1	0.00	0.00	10,200.0	-14.6	-1,319.2	1,319.3	0.00	0.00	0.00
5 1/2"									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
10-24-3-3W BHL - plan hits target center - Point	0.00	0.00	10,200.0	-14.6	-1,319.2	2,208,672.51	613,377.97	40° 12' 19.186 N	110° 10' 5.304 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,540.1	2,500.0	9 5/8"	9.625	12.250
10,338.1	10,200.0	5 1/2"	5.500	8.750

CONFIDENTIAL

RECEIVED: December 22, 2011

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

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

1. My name is Shane Gillespie. 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 Connolly 10-24-3-3W well with a surface location to be located in the NESE of Section 9, Township 3 South, Range 3 West, Duchesne County, Utah (the "Drillsite Location"). The surface owners of the Drillsite Location are Stanley H. Keller and Barbara A. Keller, whose joint address is HC 64 Box 395, Duchesne, UT 84021 ("Surface Owner").

3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated October 26, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

ACKNOWLEDGEMENT

STATE OF COLORADO §
§
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 19th day of December, 2011, personally appeared Shane Gillespie, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires

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

CONFIDENTIAL

NEWFIELD PRODUCTION COMPANY
Connolly 10-24-3-3W
Surface Hole Location: 1881' FSL, 466' FEL, NE/SE SECTION 24, T3S, R3W
Bottom Hole Location: 1881' FSL, 1785' FEL, NW/SE SECTION 24, T3S, R3W
Duchesne County, UT

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Connolly 10-24-3-3W located in the NE¼ SE¼ Section 24, T3S, R3W, S.L.B. & M., Duchesne County, Utah:

Proceed northerly out of Myton, Utah along Highway 40 – 1.1 miles ± to the junction of this highway and an existing road to the west; proceed in a westerly direction – 5.1 miles ± to it's junction with the beginning of the proposed access road to the north; proceed in a northwesterly direction along the proposed access - 1,103 ± to the proposed well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 1,103' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

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

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

CONFIDENTIAL

RECEIVED: December 22, 2011

It is anticipated that this well will be a producing oil well.

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.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

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

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right : 43-10136

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 Uintah County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve 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. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte,

CONFIDENTIAL

RECEIVED: December 22, 2011

Jonah, 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, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) 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.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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**

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.

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**

CONFIDENTIAL

RECEIVED: December 22, 2011

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: Stanley H. Keller and Barbara A. Keller**.
See attached Affidavit of Easement, Right of Way, and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 1,103' of planned access road to be granted. **Refer to Topographic Map "B".** Newfield Production Company requests 2,170' of surface gas line to be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, and a 3" poly fuel gas line. The planned access road will consist of a 18' permanent running surface (9' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

The proposed surface gas line will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State 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.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

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.

Hazardous Material Declaration

CONFIDENTIAL

RECEIVED: December 22, 2011

Newfield Production Company guarantees that during the drilling and completion of the Connolly 10-24-3-3W, 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 Connolly 10-24-3-3W 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.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton
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 #10-24-3-3W, NE/SE Section 24, T3S, R3W, Duchesne 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 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.

Mandie Crozier
Digitally signed by Mandie Crozier
DN: cn=Mandie Crozier, o=Newfield Production, ou=Regulatory Analyst, email=mcrozier@newfield.com, c=US
Date: 2011.12.22 10:39:34 -07'00'

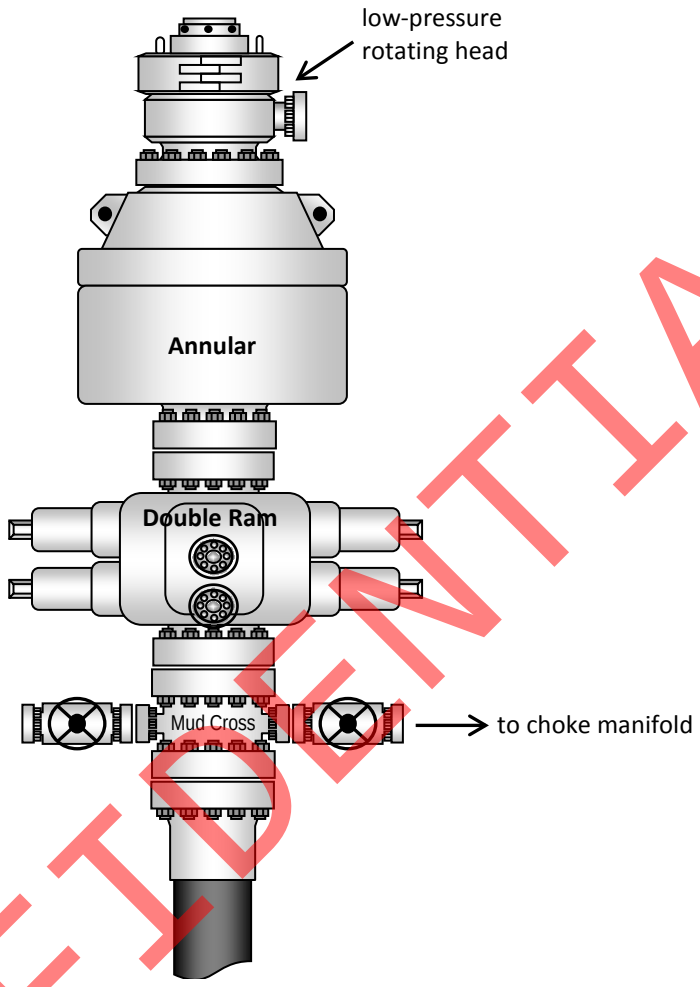
12/22/11
Date

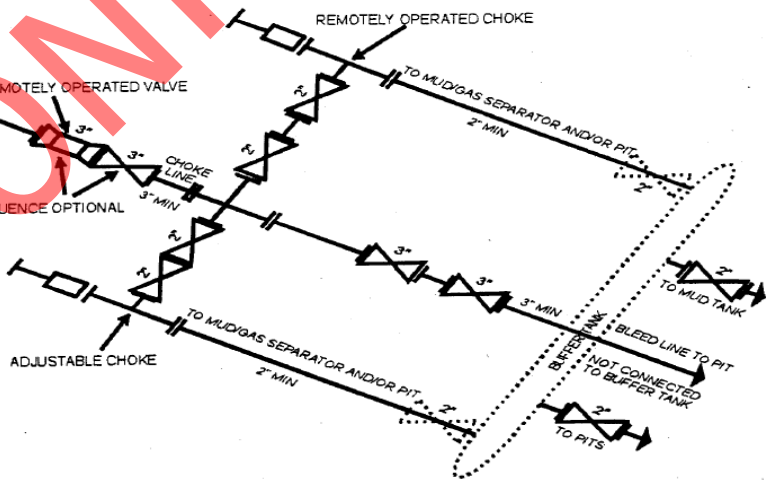
Mandie Crozier
Regulatory Analyst
Newfield Production Company

CONFIDENTIAL

RECEIVED: December 22, 2011

Typical 5M BOP stack configuration





5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

CONFIDENTIAL

RECEIVED: December 22, 2011

NEWFIELD
ROCKY MOUNTAINS

December 19, 2011

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
Connolly 10-24-3-3W

Surface Hole: T3S-R3W Section 24: NESE
466' FEL 1881' FSL

At Target: T3S-R3W Section 24: NWSE
1785' FEL 1881' FSL

Duchesne County, Utah

Dear Ms. Mason:

In conjunction with the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well, 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.

The proposed surface hole location lies within the drilling window for the NESE of Section 24, T3S-R3W, as established by R649-3-2. NPC is the owner of 100% WI in the NESE. The proposed bottom hole location lies within the drilling window for the NWSE of Section 24, T3S-R3W, of which NPC owns 93.75% WI. The remaining interest in the NWSE is held by a presently un-locatable fee owner. A plat of the surface and bottom hole location is attached for your reference. The bottom hole location has been selected to ensure the orderly development of minerals in the immediate vicinity by allowing for adequate distance from future locations in Section 24 and adjacent sections, and it is NPC's intent that no portion of the productive interval will be opened in the portions of the wellbore existing outside of the drilling window for the NWSE of Section 24, T3S-R3W.

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 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Shane Gillespie
Landman

CONFIDENTIAL

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

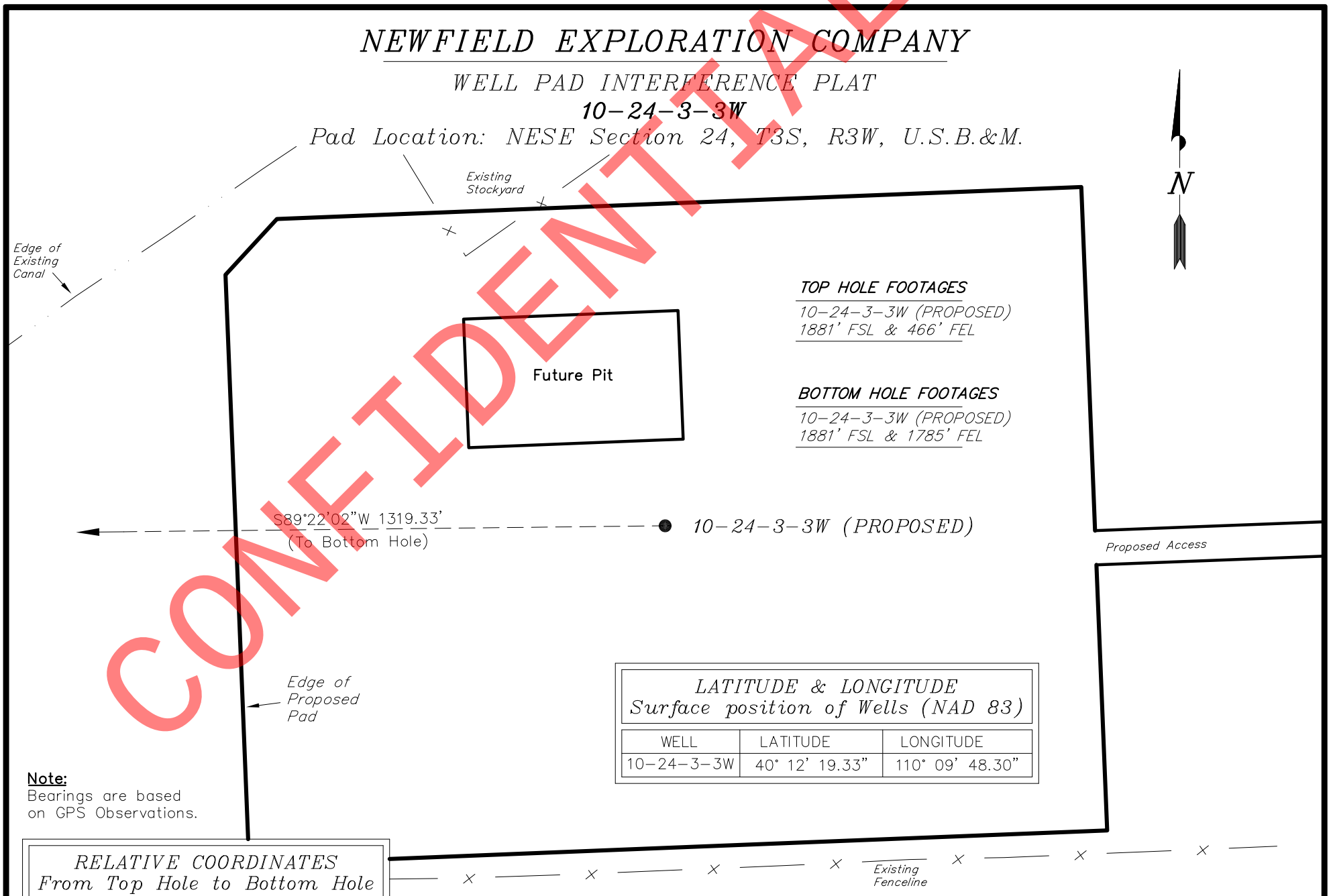
API Well Number: 43013511450000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

10-24-3-3W

Pad Location: NESE Section 24, T3S, R3W, U.S.B.&M.



CONFIDENTIAL

Note:
Bearings are based on GPS Observations.

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
10-24-3-3W	40° 12' 19.33"	110° 09' 48.30"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
10-24-3-3W	-15'	-1,319'

SURVEYED BY:	D.P.	DATE SURVEYED:	11-07-11	VERSION:	V2
DRAWN BY:	F.T.M.	DATE DRAWN:	11-30-11		
SCALE:	1" = 60'	REVISED:			

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

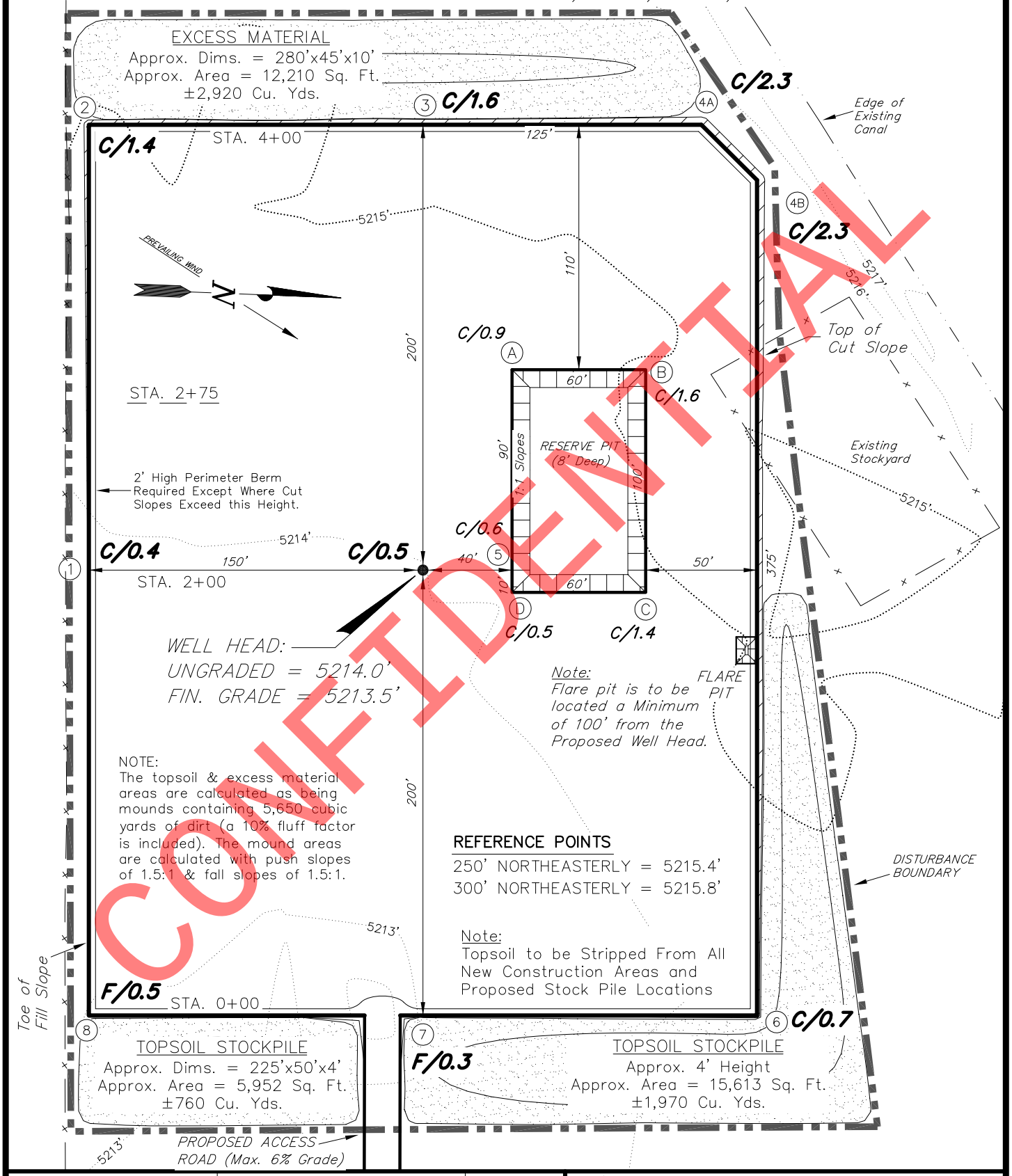
RECEIVED: December 22, 2011

NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

10-24-3-3W

Pad Location: NESE Section 24, T3S, R3W, U.S.B.&M.



CONFIDENTIAL

SURVEYED BY: D.P.	DATE SURVEYED: 11-07-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-08-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 11-30-11		

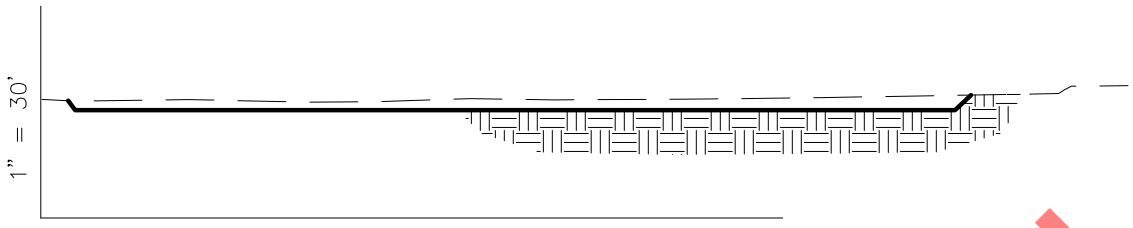
RECEIVED: December 22, 2011

NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

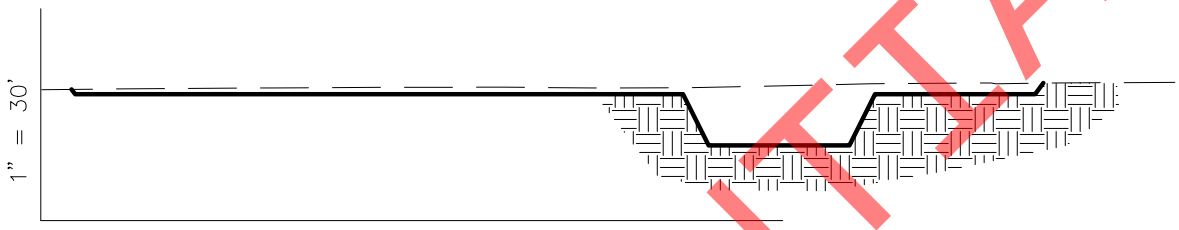
10-24-3-3W

Pad Location: NESE Section 24, T3S, R3W, U.S.B.&M.



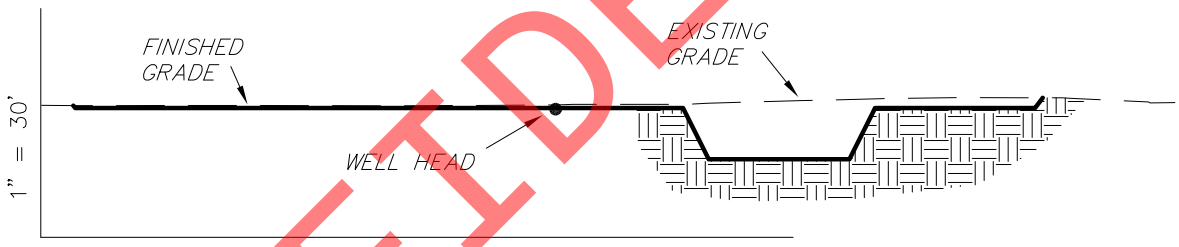
1" = 60'

STA. 4+00



1" = 60'

STA. 2+75



1" = 60'

STA. 2+00

1" = 60'

STA. 0+00

CONFIDENTIAL

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	2,080	850	Topsoil is not included in Pad Cut Volume	1,230
PIT	1,420	0		1,420
TOTALS	3,500	850	2,260	2,650

SURVEYED BY: D.P.	DATE SURVEYED: 11-07-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-08-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 11-30-11		

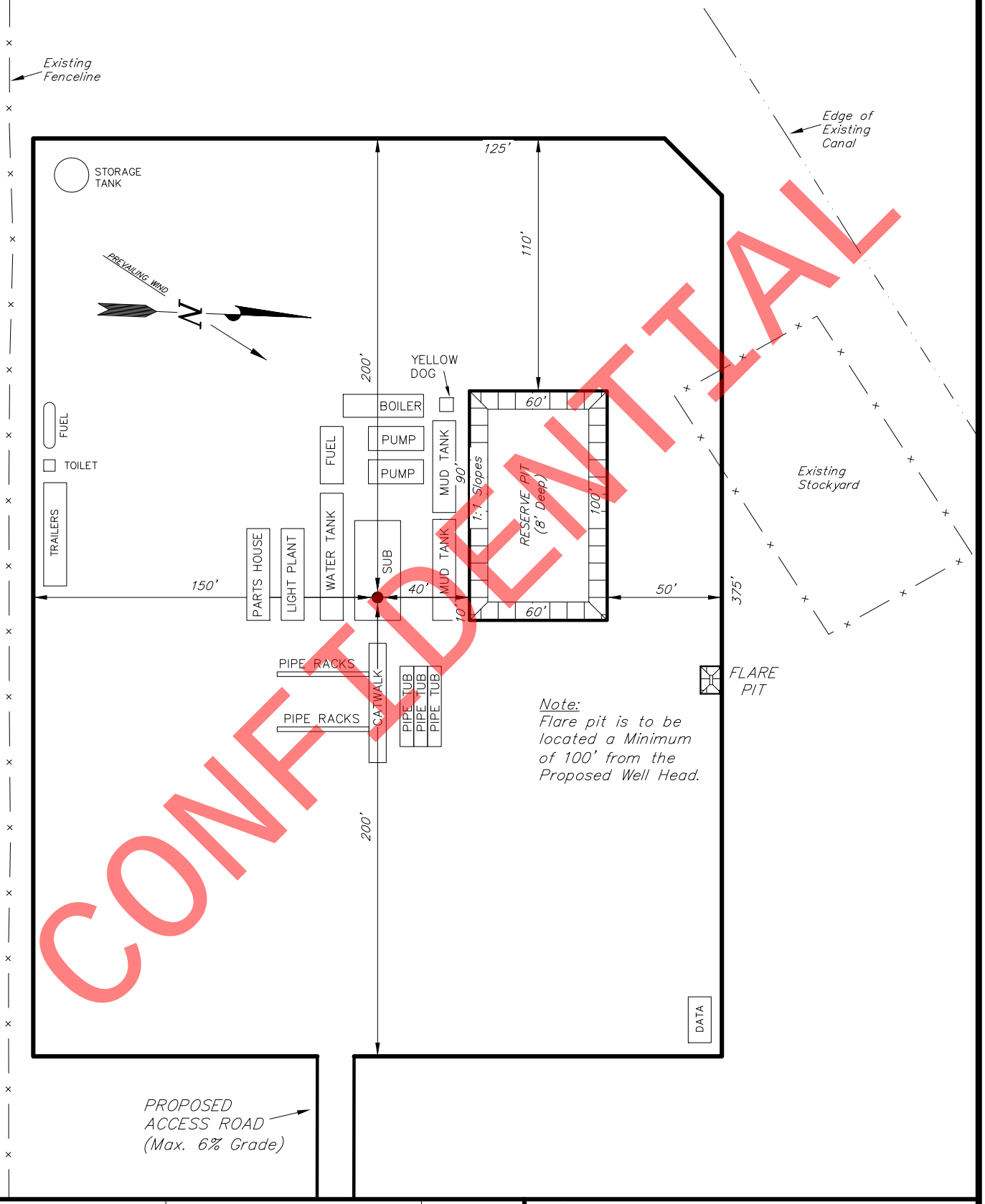
RECEIVED: December 22, 2011

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

10-24-3-3W

Pad Location: NESE Section 24, T3S, R3W, U.S.B.&M.



CONFIDENTIAL

SURVEYED BY: D.P.	DATE SURVEYED: 11-07-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-08-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 11-30-11		

RECEIVED: December 22, 2011

State of Utah

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Office of the Governor
PUBLIC LANDS POLICY COORDINATION

KATHLEEN CLARKE
Director

January 9, 2011

Diana Mason
Petroleum Specialist
Department of Natural Resources, Division of Oil Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Subject: Application for Permit to Drill; Duchesne County
Newfield Production Company to drill the Connolly 10-24-3-3W Well
RDCC Project Number 30400

Dear Ms. Mason:

The State of Utah, through the Public Lands Policy Coordination Office (PLPCO), has reviewed this project. Utah Code (Section 63J-4-601, *et. seq.*) designates PLPCO as the entity responsible to coordinate the review of technical and policy actions that may affect the physical resources of the state, and to facilitate the exchange of information on those actions among federal, state, and local government agencies. As part of this process, PLPCO makes use of the Resource Development Coordinating Committee (RDCC). The RDCC includes representatives from the state agencies that are generally involved or impacted by public lands management.

Division of Air Quality

The proposed project is subject to R307-205-5: Fugitive Dust, of the Utah Air Quality Rules, because of the fugitive dust that will be generated during the excavation of the roadway for the project and possibly the pad (based on pad size). These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules can be found at www.rules.utah.gov/publicat/code/r307/r307.htm.

CONFIDENTIAL

RECEIVED: January 10, 2012

The state encourages the use of Best Management Processes (BMP s) in protecting air quality in Utah. The state recommends the following BMP s as standard operating procedures:

1) Emission Standards for Stationary Internal Combustion Engines of 2 g/bhp-hr of NOx for engines less than 300 HP (Tier 3) and 1 g/bhp-hr of NOx for engines over 300 HP (Tier 3).

2) No or low bleed controllers for Pneumatic Pumps, Actuators and other Pneumatic devices.

3) Green completion or controlled VOC emissions methods with 90% efficiency for Oil or Gas Atmospheric Storage Tanks, VOC Venting controls or flaring. Glycol Dehydration and Amine Units Units, VOC Venting controls or flaring, Well Completion, Re-Completion, Venting, and Planned Blowdown Emissions.

If compressors or pump stations are constructed at the site a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to R307-401: Permit: Notice of Intent and Approval Order, of the Utah Air Quality Rules. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm.

The State of Utah appreciates the opportunity to review this proposal and we look forward to working with you on future projects. Please direct any other written questions regarding this correspondence to the Public Lands Policy Coordination Office at the address below, or call Judy Edwards at (801) 537-9023.

Sincerely,

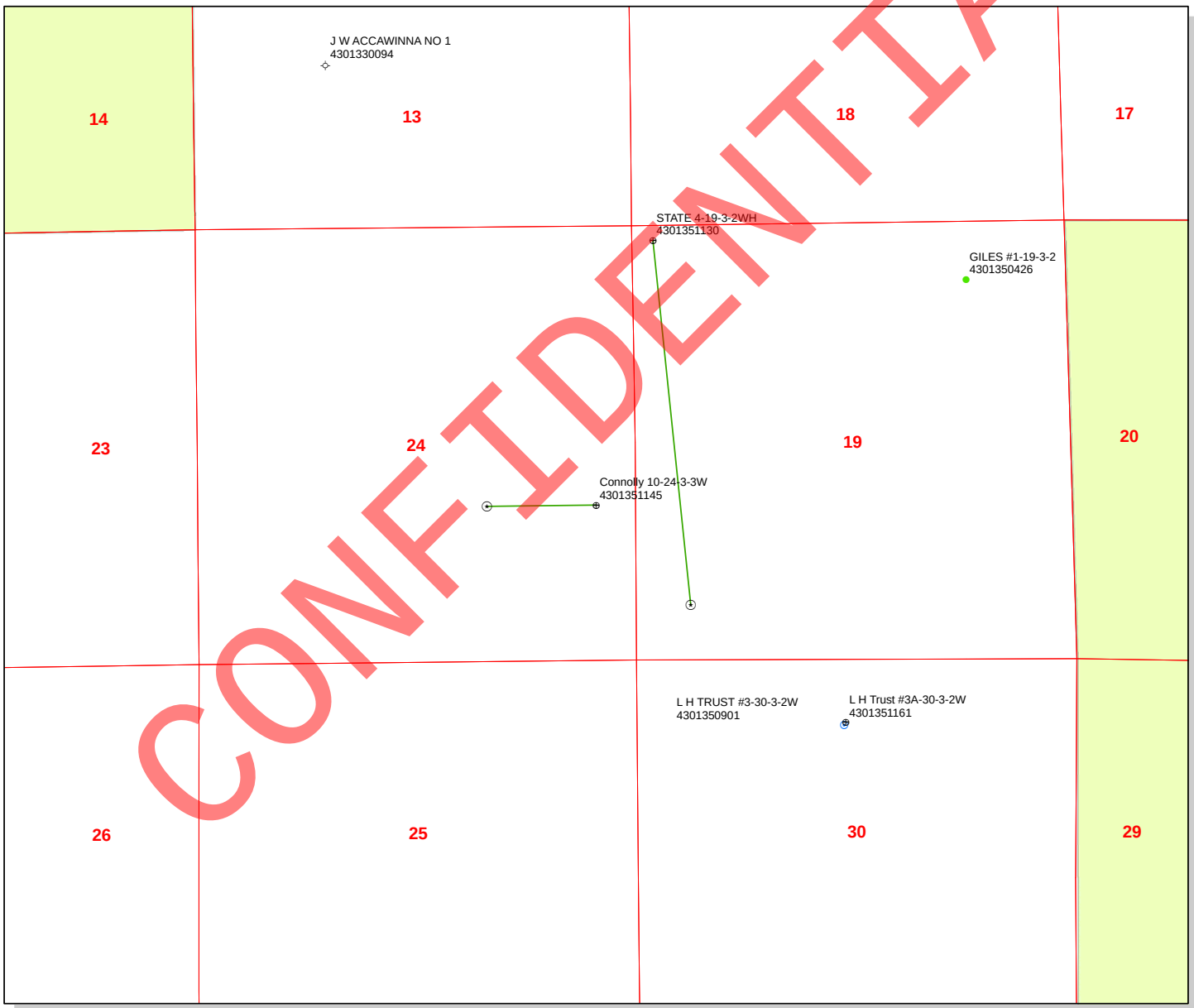
John Harja, for
Kathleen Clarke, Director

CONFIDENTIAL

RECEIVED: January 10, 2012

API Well Number: 43013511450000

CONFIDENTIAL



API Number: 4301351145

Well Name: Connolly 10-24-3-3W

Township T0.3 . Range R0.3 . Section 24

Meridian: UBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well

1,500 750 0 1,500 Feet

1:14,923

RECEIVED: January 17, 2012

NEWFIELD
ROCKY MOUNTAINS

December 19, 2011

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
Connolly 10-24-3-3W

Surface Hole: T3S-R3W Section 24: NESE
466' FEL 1881' FSL

At Target: T3S-R3W Section 24: NWSE
1785' FEL 1881' FSL

Duchesne County, Utah

Dear Ms. Mason:

In conjunction with the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well, 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.

The proposed surface hole location lies within the drilling window for the NESE of Section 24, T3S-R3W, as established by R649-3-2. NPC is the owner of 100% WI in the NESE. The proposed bottom hole location lies within the drilling window for the NWSE of Section 24, T3S-R3W, of which NPC owns 93.75% WI. The remaining interest in the NWSE is held by a presently un-locatable fee owner. A plat of the surface and bottom hole location is attached for your reference. The bottom hole location has been selected to ensure the orderly development of minerals in the immediate vicinity by allowing for adequate distance from future locations in Section 24 and adjacent sections, and it is NPC's intent that no portion of the productive interval will be opened in the portions of the wellbore existing outside of the drilling window for the NWSE of Section 24, T3S-R3W.

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 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Shane Gillespie
Landman

CONFIDENTIAL

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

API Well Number: 43013511450000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Connolly 10-24-3-3W 43013511450000

Well Name	NEWFIELD PRODUCTION COMPANY Connolly 10-24-3-3W 4301351			
String	Cond	Surf	I1	Prod
Casing Size(")	14.000	9.625	7.000	4.500
Setting Depth (TVD)	60	1006	8058	10200
Previous Shoe Setting Depth (TVD)	0	60	1006	8058
Max Mud Weight (ppg)	8.3	8.3	10.5	11.5
BOPE Proposed (psi)	0	500	5000	5000
Casing Internal Yield (psi)	1000	3520	9950	10690
Operators Max Anticipated Pressure (psi)	5959			11.2

Calculations	Cond String	14.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	26		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO	
Required Casing/BOPE Test Pressure=		60	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	434		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	313	YES	diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	213	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	226	NO	Reasonable
Required Casing/BOPE Test Pressure=		1006	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi	*Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	4400		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3433	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2627	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2849	NO	Reasonable
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		1006	psi	*Assumes 1psi/ft frac gradient

Calculations	Prod String	4.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	6100		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4876	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3856	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5629	YES	
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		8058	psi	*Assumes 1psi/ft frac gradient

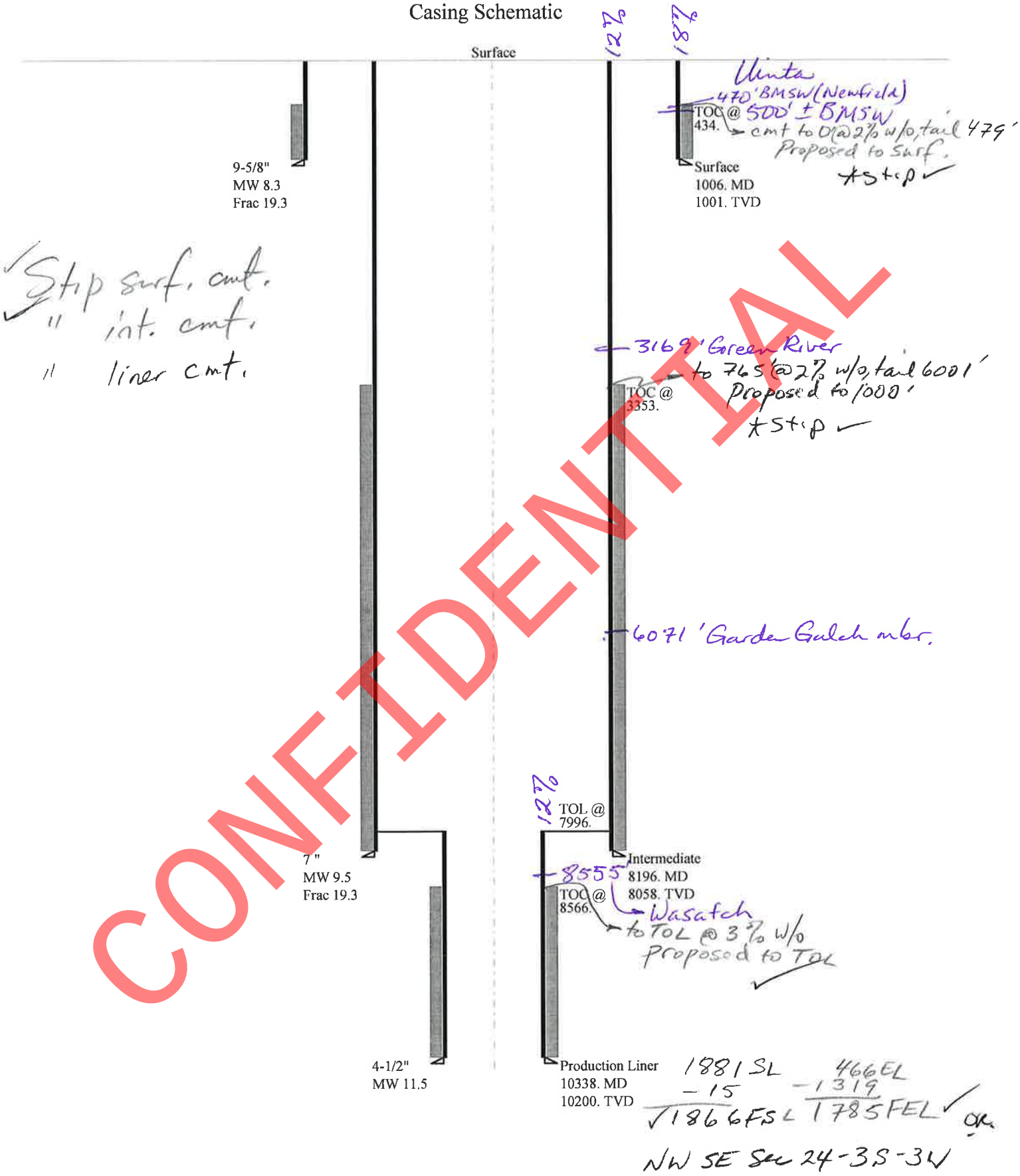
CONFIDENTIAL

RECEIVED: March 01, 2012

API Well Number: 43013511450000

43013511450000 Connolly 10-24-3-3WH

Casing Schematic



CONFIDENTIAL

API Well Number: 43013511450000

Well name:	**43013511450000 Connolly 10-24-3-3WH**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	4301351145
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 881 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 1,001 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.70 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.

Neutral point: 880 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	88 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	100 ft
Cement top:	434 ft

Directional well information:

Kick-off point	500 ft
Departure at shoe:	64 ft
Maximum dogleg:	3 °/100ft
Inclination at shoe:	12.22 °

Re subsequent strings:

Next setting depth:	8,058 ft
Next mud weight:	9.500 ppg
Next setting BHP:	3,977 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	1,001 ft
Injection pressure:	1,001 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	1006	9.625	36.00	J-55	ST&C	1001	1006	8.796	8744

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	433	2020	4.665	1001	3520	3.52	36	394	10.94 J

CONFIDENTIAL

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

Date: March 1,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1001 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

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

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

API Well Number: 43013511450000

Well name:	**43013511450000 Connolly 10-24-3-3WH**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Intermediate
Project ID:	4301351145
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight:	9.500 ppg
Internal fluid density:	1.000 ppg

Burst

Max anticipated surface pressure:	3,849 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	5,622 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.70 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on air weight.
Neutral point: 7,041 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	187 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	100 ft
Cement top:	3,353 ft

Directional well information:

Kick-off point	500 ft
Departure at shoe:	1319 ft
Maximum dogleg:	3 °/100ft
Inclination at shoe:	0 °

Re subsequent strings:

Next setting depth:	10,200 ft
Next mud weight:	11.500 ppg
Next setting BHP:	6,093 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	8,058 ft
Injection pressure:	8,058 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	8196	7	26.00	P-110	LT&C	8058	8196	6.151	85197

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	3558	6230	1.751	5622	9950	1.77	209.5	693	3.31 J

CONFIDENTIAL

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: March 1,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8058 ft, a mud weight of 9.5 ppg An internal gradient of .052 psi/ft was used for collapse from TD to
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

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

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

API Well Number: 43013511450000

Well name:	**43013511450000 Connolly 10-24-3-3WH**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production Liner
Project ID:	4301351145
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 11.500 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 3,849 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 6,093 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 9,936 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	217 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	8,566 ft
Liner top:	7,996 ft

Directional well information:

Kick-off point	500 ft
Departure at shoe:	1319 ft
Maximum dogleg:	0 °/100ft
Inclination at shoe:	0 °

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	2338	4.5	11.60	P-110	LT&C	10200	10338	3.875	11264

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	6093	7580	1.244	6093	10690	1.75	27.1	279	10.29 J

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

Date: March 1,2012
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 10200 ft, a mud weight of 11.5 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

CONFIDENTIAL

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

Operator NEWFIELD PRODUCTION COMPANY
Well Name Connolly 10-24-3-3W
API Number 43013511450000 **APD No** 5115 **Field/Unit** WILDCAT
Location: 1/4,1/4 NESE **Sec** 24 **Tw** 3.0S **Rng** 3.0W 1881 FSL 466 FEL
GPS Coord (UTM) **Surface Owner** Stanley H. and Barbara A. Keller

Participants

T. Eaton, F. Bird, Z. Mc Intyre– Newfield; C. Jensen, M.Jones – DOGM; Stan Keller - landowner

Regional/Local Setting & Topography

This location is in the area known as Arcadia. It is typical of this area to have a high water table, Sodic soils and many canals / ditches as this area is dense farm ground. The location is flat with slopes < 2%. The location is historically a cattle feed lot. The location sits behind a residential home belonging to the landowner of the the proposed well pad. This home is located to the North of the pad. An irrigation ditch comes very near corner 4 and borders the location on the north. The ground at present slopes away from the ditch and to the Southeast. The location is approximately 1.5 miles North of lake Boreham and 2 miles west of the Lake Fork River bridge.

Surface Use Plan

Current Surface Use
Agricultural

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

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N
very high water table.

Flora / Fauna
This location is fallow cultivated lands covered in feedlot wastes. No native flora or wildlife exist on the location. This location is rather bare.

Soil Type and Characteristics
cultivated land. Native soils are buried under manure from feedlot activiities

Erosion Issues N
feedlot wastes are being removed from proposed location

Sedimentation Issues Y
sediments may be be transported by sheet flow in heavy precipitation event

CONFIDENTIAL

Site Stability Issues N
pad will be built up 3- 4 feet above current elevations

Drainage Diverson Required? Y

Berm Required? Y
pad will be bernmed

Erosion Sedimentation Control Required? N
operator has detailed plans to berm location which should be adequate

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

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)		20
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Unknown	10
	Final Score	60 1 Sensitivity Level

Characteristics / Requirements
reserve pit to be constructed 60 X 100 X 8' deep.
Pit to be lined.

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

Other Observations / Comments

corner #4 is being cut off as to not disturb irrigation canal. Haystack , fencing and other feedlot needs are being removed at time of presite evaluation in preparation of pad construction.

Chris Jensen
Evaluator

1/10/2012
Date / Time

CONFIDENTIAL

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
5115	43013511450000	LOCKED	OW	P	No

Operator	NEWFIELD PRODUCTION COMPANY	**Surface Owner-APD**	Stanley H. and Barbara A. Keller
Well Name	Connolly 10-24-3-3W	**Unit**	
Field	WILDCAT	**Type of Work**	DRILL
Location	NESE 24 3S 3W U 1881 FSL 466 FEL GPS Coord (UTM) 571202E 4450892N		

Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 1,106' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 500'. Air and or fresh water will be used to drill the entire surface hole. A search of Division of Water Rights records shows 9 water wells within a 10,000 foot radius of the center of Section 24. Depth is listed as ranging from 50 to 300 feet. Depths are not listed for 2 wells. Water use is listed as irrigation, stock watering and domestic use. There is 1 well approximately 1/4 mile from the proposed location. This well is listed as 50 feet in depth. 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. The surface casing cement should be brought back to ground surface.

Brad Hill
APD Evaluator

1/17/2012
Date / Time

Surface Statement of Basis

Operator has surface agreement in place with the landowner. Location is proposed in the best possible position within the spacing window. 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. Construction standards of the Operator appear to be adequate for the proposed purpose. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and was in attendance for the pre-site inspection with comments noted . The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. To mitigate sub soil conditions (high water table) construction of the location will be placed on a geo grid to support placement of 2'- 3' pit run and 6'' of gravel on top.

Chris Jensen
Onsite Evaluator

1/10/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

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

CONFIDENTIAL

RECEIVED: March 01, 2012

Application for Permit to Drill
Statement of Basis

CONFIDENTIAL

RECEIVED: March 01, 2012

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/22/2011
API NO. ASSIGNED: 43013511450000
WELL NAME: Connolly 10-24-3-3W
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)
PHONE NUMBER: 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: NESE 24 030S 030W
Permit Tech Review: ✔

SURFACE: 1881 FSL 0466 FEL
Engineering Review: ✔

BOTTOM: 1881 FSL 1785 FEL
Geology Review: ✔

COUNTY: DUCHESNE
LATITUDE: 40.20541
LONGITUDE: -110.16335
UTM SURF EASTINGS: 571202.00
NORTHINGS: 4450892.00
FIELD NAME: WILDCAT
LEASE TYPE: 4 - Fee
LEASE NUMBER: Patented
PROPOSED PRODUCING FORMATION(S): WASATCH
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** STATE/FEE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** 437478
- ✔ **RDCC Review:** 2012-03-01 00:00:00.0
- ✔ **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:
5 - Statement of Basis - bhill
12 - Cement Volume (3) - ddoucet
15 - Directional - dmason
21 - RDCC - dmason
23 - Spacing - dmason
25 - Surface Casing - hmacdonald

CONFIDENTIAL

RECEIVED: March 01, 2012

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Connolly 10-24-3-3W
API Well Number: 43013511450000
Lease Number: Patented
Surface Owner: FEE (PRIVATE)
Approval Date: 3/1/2012

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

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.

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

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.

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

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 1000' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

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

API Well No: 43013511450000

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

Approved By:

For John Rogers
Associate Director, Oil & Gas

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

February 21, 2012

Notice to Oil and Gas Operators

Re: Hydraulic Fracturing/FracFocus.org

Although the process of hydraulic fracturing has been a commonly used method for obtaining production from oil and gas wells for many years in Utah and worldwide, this process has become an increasingly controversial issue with the public. Currently there are no conclusive studies that show examples of ground water contamination or public health issues resulting from hydraulic fracturing. However, there is still a great amount of public debate concerning the subject. The Division of Oil, Gas and Mining believes that in order to address some of the public anxiety concerning the process of hydraulic fracturing, it would be beneficial to the petroleum industry in Utah to voluntarily report the chemical content of hydraulic fracturing fluids to the website FracFocus (http://fracfocus.org).

FracFocus is the national hydraulic fracturing chemical registry website. This website is a joint project of the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission. The website is both educational and informative and an excellent resource for those seeking information on hydraulic fracturing.

After a hydraulic fracture stimulation is performed, the Division would ask the operator to post on the FracFocus Chemical Disclosure Registry the following stimulation detail:

> Fracture date, state, county, API number, operator name, well name, location, production type, true vertical depth, total water volume, and hydraulic fracturing fluid composition as follows:
>
> (1) Trade name
> (2) Supplier
> (3) Purpose
> (4) Ingredients
> (5) Chemical abstract number
> (6) Maximum ingredient concentration in additive
> (7) Maximum ingredient concentration in hydraulic fracturing fluid

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

On this website, the public can search for information about the chemicals used in the hydraulic fracturing of oil and gas wells by specific well and location. If you are not familiar with the FracFocus website, the Division encourages you to visit the website to acquaint yourself with the information that is being reported. Other oil and gas producing states have made similar requests or established regulatory requirements concerning hydraulic fracturing and the use of the FracFocus website. The Division strongly believes that through the openness of this request that it will promote the public's trust of the petroleum industry. This will continue to enhance a strong community support for the development of oil and gas, educate the public, and alleviate some of the so-called "mysteries" surrounding hydraulic fracturing. If you have any questions about this request for the voluntary efforts of Utah's petroleum industry, please direct them to John Rogers, Associate Director of Oil and Gas at 801-538-5349, by email at johnrogers@utah.gov.

Sincerely,

John R. Baza
Director

JRB/jcr/js
N:\O&G Reviewed Docs\ChronFile

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Connolly 10-24-3-3W

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013511450000

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

PHONE NUMBER:
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1881 FSL 0466 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 24 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 3/17/2012	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

On 3/17/12 Ross drilling spud & drilled 57' 18" hole for 14" conductor, cemented w/15.8#, 1.17 yield class G+2%KCL+0.25#CF. Drill 1030' of 12 1/4" hole, run 25 of K-55 LTC 9 5/8" csg. KB set @ 1010.92'. Cement w/486 sx of 15.8# 1.17 yield Class G+2%KCL+0.25%CF. Bump plug to 731 psi.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 26, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jack Fulcher	303 383-4190	Engineer Tech

SIGNATURE	DATE
N/A	3/26/2012

RECEIVED: Mar. 26, 2012

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18473	4301351145	CONNOLLY 10-24-3-3W	nese	24	3S	3W	DUCHESNE	3/17/2012	3/30/2012

WELL 1 COMMENTS:
WSTC BHL: nwse

CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301350770	GMBU I-30-8-17	NWNE	30	8S	17E	DUCHESNE	3/21/2012	3/30/2012

GRRV BHL: Sene

ACTION B	CURRENT ENTITY NO.	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
B	99999	17400	4301350933	GMBU I-2-9-15	SENE	2	9S	15E	DUCHESNE	3/22/2012	3/30/2012

GRRV BHL: newne

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

ACTION CODES (See instructions on back of form)
A - 1 new entity for new well (single well only)
B - r well to existing entity (group or unit well)
C - from one existing entity to another existing entity
D - well from one existing entity to a new entity
E - ther (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
MAR 28 2012
Div. of Oil, Gas & Mining

Signature: Jentri Park
Production Clerk 03/28/12

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 69 Submitted By RL Tatman Phone Number 4358286092
Well Name/Number Connolly 10-24-3-3W
Qtr/Qtr NE/SE Section 24 Township 3S Range 3W
Lease Serial Number FEE
API Number 4301351145

TD Notice – TD is the final drilling depth of hole.

Date/Time _____ _____ AM ☐ PM ☒

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

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

Date/Time 4/6/11 12:00 AM ☐ PM ☒

RECEIVED
APR 1 1 2012
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 69 Submitted By RL Tatman Phone Number 4358286092
Well Name/Number Connolly 10-24-3-3W
Qtr/Qtr NE/SE Section 24 Township 3S Range 3W
Lease Serial Number FEE
API Number 4301351145

TD Notice – TD is the final drilling depth of hole.

Date/Time 04/11/12 02:40 AM ☒ PM ☐

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

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

Date/Time 04/13/12 1:00 AM ☒ PM ☐

RECEIVED
APR 1 1 2012
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 69 Submitted By RL Tatman Phone Number 4358286092
Well Name/Number Connolly 10-24-3-3W
Qtr/Qtr NE/SE Section 24 Township 3S Range 3W
Lease Serial Number FEE
API Number 4301351145

TD Notice – TD is the final drilling depth of hole.

Date/Time _____ _____ AM ☐ PM ☒

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

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

Date/Time 4/6/11 12:00 AM ☐ PM ☒

RECEIVED
APR 1 1 2012
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 69 Submitted By RL Tatman Phone Number 4358286092
Well Name/Number Connolly 10-24-3-3W
Qtr/Qtr NE/SE Section 24 Township 3S Range 3W
Lease Serial Number FEE
API Number 4301351145

TD Notice – TD is the final drilling depth of hole.

Date/Time 04/11/12 02:40 AM ☒ PM ☐

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

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

Date/Time 04/13/12 1:00 AM ☒ PM ☐

RECEIVED
APR 1 1 2012
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: CONNOLLY 10-24-3-3W

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013511450000

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

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1881 FSL 0466 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 24 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 5/18/2012	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

The above well was placed on production on 05/18/2012 at 19:15 hours. The above well was placed on production on 08/06/2012 at 17:00 hours. Production Start Sundry re-sent 10/05/2012.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 09, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kaci Deveraux	435 646-4867	Production Technician

SIGNATURE	DATE
N/A	10/5/2012

RECEIVED: Oct. 05, 2012

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER: CONNOLLY 10-24-3-3W

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013511450000

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

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1881 FSL 0466 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 24 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ☐ SUBSEQUENT REPORT
  Date of Work Completion:
- ☐ SPUD REPORT
  Date of Spud:
- ✓ DRILLING REPORT
  Report Date:
  5/18/2012

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

The above well was placed on production on 05/18/2012 at 19:15 hours. The above well was placed on production on 08/06/2012 at 17:00 hours. Production Start Sundry re-sent 10/05/2012.

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kaci Deveraux	435 646-4867	Production Technician
SIGNATURE N/A		**DATE** 10/5/2012

RECEIVED: Oct. 05, 2012

Daily Activity Report

Format For Sundry

CONNOLLY 10-24-3-3W

3/1/2012 To 7/30/2012

4/18/2012 Day: 1 **Completion**

Rigless on 4/18/2012 - RIH w wireline and stack out at 7865', sent log to denver, denver said SD and order WOR to drill out blockage. - 4-17-12: ND 5K tree, NU 10K stack 10K 11x7/16 tubing head,w/dual, double 1 13/16 outlets, 10K 7 1/16 Hydrolic valve (HCR), 10K 7 1/16 manual blind ram, 10K 7 1/16 flowcross w/2 3/8 pipe rams and dual 2 1/16 outlets, and 10K BOP w/ 2 3/8 pipe rams and 1- 5000# Hydrill.for CBL log, RIH with wireline, stacked out at 7865', POOH & PU 1 11/16 sinker bar, 1 11/16 junk basket, 1 cross over sub, 1 collar locator and 1-1 11/16 guage ring.stack out again at 7865'. SD sent log to denver, POOH with wireline and called for WOR, SDFN. - 4-18-12: RU Nabors 1420, NU 10K stack, Low 250 psi and hig9000psi, test stack, test good w/charts. RIH w 34 jts 2 3/8 tubing(1071') SDFN
Daily Cost: $0
Cumulative Cost: $0

4/19/2012 Day: 3 **Completion**

Nabors #1420 on 4/19/2012 - RIH w/2 3/8 tbg to drill out bridge at 7865'. Did not see bridge, went to bottom at 10070', POOH and layed down tubing and RU wireline to run CBL, Ran CBL and RD wireline, and SDFN - - - - RIH w/2 3/8 tbg and 2.75 bit + bit sub to drill out bridge at 7865'. Did not see bridge, went to TD at 10070', pulled up 1 joint, circulated hole clean, POOH w tubing, bit and bit sub and LD, RU wireline to run CBL log and testers, tested luborcator to 5000 psi, good test, and TIH to log. CBL log completed, Top of cement @ 500'. RD wireline and testers and SDFN - RIH w/2 3/8 tbg and 2.75 bit + bit sub to drill out bridge at 7865'. Did not see bridge, went to TD at 10070', pulled up 1 joint, circulated hole clean, POOH w tubing, bit and bit sub and LD, RU wireline to run CBL log and testers, tested luborcator to 5000 psi, good test, and TIH to log. CBL log completed, Top of cement @ 500'. RD wireline and testers and SDFN - RIH w/2 3/8 tbg to drill out bridge at 7865'. Did not see bridge, went to bottom at 10070', pulled up 1 joint, circulated hole clean, POOH w tubing and LD, RU wireline to run CBL log and testers, tested lubercator and WIH to log. CBL log completed, RD wireline and testers and SDFN - RIH w/2 3/8 tbg to drill out bridge at 7865'. Did not see bridge, went to bottom at 10070', pulled up 1 joint, circulated hole clean, POOH w tubing and LD, RU wireline to run CBL log and testers, tested lubercator and WIH to log. CBL log completed, RD wireline and testers and SDFN -
Daily Cost: $0
Cumulative Cost: $59,458

4/20/2012 Day: 4 **Completion**

Nabors #1420 on 4/20/2012 - RD WOR and release, NU frac stack and test, test was good, frac stack ready to go. Pressure test casing to 8000 psi, casing good, Well is secure, all valves are closed, ready to perforate and frac. SDFN - Pressure test casing to 8000 psi for 30 minutes, casing tested good, Well is secure, all valves are closed, ready to perforate and frac. SDFN - RD WOR and release, NU frac stack, 10K 7/16 hydrolic frac valve, 10K7 1/16 manual frac valve, 10K 7 1/16 flowcross with dual 2 1/16" outlets and 10K 7 1/16 manual frac valve, test stack, test at 250 psi low side for 5 min and test 9000 psi high side for 10 minutes, all components test good, test was good with charts, frac stack ready to go. - ND 10K stack and sent to weatherford's yard
Daily Cost: $0

Cumulative Cost: $101,758

5/3/2012 Day: 5 **Completion**

Rigless on 5/3/2012 - RU and pressure test flow back - Pressure test flow back 500, 4500 & 8500 PSI hold low test for 5 min and high test for 10 min. Release all vendors. - RU Flow back manifold, sand trap and line heate. - Hold Jsa safety meeting with J&A
Daily Cost: $0
Cumulative Cost: $108,868

5/7/2012 Day: 6 **Completion**

Rigless on 5/7/2012 - MIRU Baker Hughes and Perforaters, Perf stage 1. - Pressure test lubricator to 5,000 PSI RIH and perf stage 1, Secure well for night. - MIRU Baker Hughes Frac and Perforators.
Daily Cost: $0
Cumulative Cost: $127,676

5/8/2012 Day: 7 **Completion**

Rigless on 5/8/2012 - Frac stages 1 & 2 Perf stages 2 & 3 - PU plug (solid) and guns for stg 3: RIH and set plug @ 9,190' (Solid) and shoot stg 3 perfs. POOH, All guns fired. Secure well for night. - PU plug and guns for Stg 2: pressure test to 8,000# RIH, Full open, miss run, POOH, found that the plug shoot connection had failed, repair, WHP- 4450, RIH and set plug @ 9,519' Frac stage 2: WHP - 4460 psi, pump 140 bbls breakdown perform step test, 45 bpm & 6,300 PSI. Pump 10 bbls of 15% HCL, Pump pad @ 45 bpm & 6,680 - 6,260#, Pump .5 ppg Slickwater @ 45 bpm & 6,250-#, pump .75 ppg @ 45 bpm & 6,050#, Pump .75 ppg lightning @ 45 bpm & 5,990# 1 ppg lightning @ 45 bpm & 7,380-5,460#(gel issues caused pressure spike) 2 ppg lightning @ 45 bpm & 5,240# 3 ppg lightning @ 35 bpm 5,160# 4 ppg lightnig @ 35 bpm & 4,850# 5 ppg lightning @ 45 bpm & 4,430#, 6 ppg lightning @ 35 bpm & 4,320# pump flush @ 35 bpm & 4,340 - 5,550# ISDP - 4,562# 1 min - 4,680, 5 min - 4550, 10 min- 4,535 - Frac stage 1: WHP - 300 psi, pump 400 bbls breakdown perform step test, 53 bpm & 7,300 PSI. Pump 10 bbls of 15% HCL, Pump pad @ 54 bpm & 7,350 - 6,550#, Pump .5 ppg Slickwater @ 55 bpm & 6,610-6,550#, pump .75 ppg @ 55 bpm & 6,650-6,645#, Pump .75 ppg lightning @ 55 bpm & 6,670# 1 ppg lightning @ 55-45 bpm & 6,670-5,475# 2 ppg lightning @ 45 bpm & 5,270# 3 ppg lightning @ 5,160# 4 ppg lightnig @ 4,950# 5 ppg lightning @ 45 bpm & 4,860# pump flush @ 45 bpm & 4,920 - 5,750# ISDP - 4,680# 1 min - 4,680, 5 min - 4550, 10 min- 4,535 - Pressure test pumps and lines to 9,000 psi, had to take 1 pump off line due to transmission issues. - Hold pre job jsa with Baker Hughes, Perforators.
Daily Cost: $0
Cumulative Cost: $136,788

5/9/2012 Day: 8 **Completion**

Rigless on 5/9/2012 - Frac Stage 3 & 4, Perf stage 4, dump bail acid. - Prime pumps and pressure test pumps and lines to 9,000 PSI - Hold pre job jsa safety meeting with Baker Hughes, Perforators, Halliburton and J&A. - Perf Stag 4: PU Plug and guns WHP -3,990# RIH and set CFTP @ 8,904' shoot 9 - 1' guns POOH, L/D tools. Frac Stage 4: WHP - 3,970 psi, Unable to breakdown, surge well 2 times, still unable to achieve injection, flowback 330 bbls, pump 20 bbls and pressure out, PU dump bailer and dump bail acid on lower perfs, pump 136 bbls breakdown, 1 bpm and 7800 PSI, Dump bail acid again shoot to 3' guns @ 8816-19 and 8759-62, attempt to breakdown. Pump breakdown @ 18.2 bpm & 5,790# break. Pump 10

bbls of 15% HCL, Pump pad @ 35-52 bpm & 7,660 - 5,630#, Pump .5 ppg Slickwater @ 52 bpm & 5,980#, pump .75 ppg @ 30 bpm & 7,450#, Pump .75 ppg lightning @ 30 bpm & 7,290 # 1 ppg lightning @ 30-35 bpm & 7,200-6,950# 2 ppg lightning @ 37 -42 bpm & 6,95# 3 ppg lightning @ 42- 48 bpm & 6,090# 4 ppg lightnig @ 48-51 bpm & 6,530 - 6,070# 5 ppg lightning @ 51 bpm & 5,880#, 6 ppg lightning @ 51 bpm & 5,670# pump flush @ 51 - 42 bpm & 5,560 - 5,650# ISDP - 4,430# 1 min - 4,346, 5 min - 4,240, 10 min- 4,030 - Secure well for the night. - Frac Stage 3: WHP - 4,590 psi, pump 276 bbls breakdown perform step test, 45 bpm & 7,420 PSI. Pump 10 bbls of 15% HCL, Pump pad @ 35 bpm & 7,500 - 6,050#, Pump .5 ppg Slickwater @ 57 bpm & 7,160-#, pump .75 ppg @ 50 bpm & 7,250#, Pump .75 ppg lightning @ 48 bpm & 7,000 # 1 ppg lightning @ 48-55 bpm & 6,920-6,620# 2 ppg lightning @ 55 bpm & 6,300# 3 ppg lightning @ 53 bpm & 6,090# 4 ppg lightnig @ 53 bpm & 5,850# 5 ppg lightning @ 53 bpm & 5,780#, 6 ppg lightning @ 53 bpm & 5,550# pump flush @ 53 bpm & 5,520 - 6,030# ISDP - 4,238# 1 min - 4,120, 5 min - 4,030, 10 min- 3,995
Daily Cost: $0
Cumulative Cost: $146,098

5/10/2012 Day: 9 **Completion**

Rigless on 5/10/2012 - Finish Frac operations RDMO Baker Hughes - RDMO Baker Hughes. - PU plug and guns for Stage 6: RIH and set plug @ 8,220' and shoot 1 - 10' gun POOH- Frac Stage 6: WHP - 2,860 psi, pump 140 bbls breakdown perform step test, 22 bpm & 7,420 PSI. Pump 10 bbls of 15% HCL, Pump pad @ 10 bpm & 7,080# , Pump X-link pad @ 10-5 bpm & 7,060-7,950#, Well pressured out, flow back 300 bbls, WHP - 2250# pump linear gel @ 10 bpm 7,350# pump 25# X-link @ 10 - 14 - 3 bpm & 6,850 - 7,950# Pump 10 bbls of 15% HCL @ 3 bpm & 7800# - Hold pre job jsa safety meeting with Perforators - PU Plug and guns for stage 5 perf, WHP 3900 RIH set plug @ 8,380' Shoot 3 - 2' and 1 - 3' gun POOH. - Hold pre job jsa safety meeting with Baker Hughes, Perforators, J&A and HES, RU 2 pumps, pressure test pumps and lines to 9,000# - Frac Stage 5: WHP - 3,920 psi, pump 175 bbls breakdown perform step test, 23 bpm & 7,620 PSI. Pump 10 bbls of 15% HCL, Pump pad @ 20 bpm & 7,410 - 6,220#, 26 bpm & 7,530# Pump .5 ppg Slickwater @ 26-30 bpm & 7,550-7,230#, pump .75 ppg @ 32 bpm & 7,420#, Pump .75 ppg lightning @ 34 bpm & 7,260 # 1 ppg lightning @ 40 bpm & 7,270# 2 ppg lightning @ 55 bpm & 7,150# 3 ppg lightning @ 60 bpm & 6,690# 4 ppg lightnig @ 60 bpm & 5,830# 5 ppg lightning @ 60 bpm & 5,510#, 6 ppg lightning @ 60 bpm & 5,120# pump flush @ 60 bpm & 5,030 - 5,810# ISDP - 3,677# 1 min - 3,530, 5 min - 3,350, 10 min- 3,245
Daily Cost: $0
Cumulative Cost: $646,471

5/11/2012 Day: 10 **Completion**

Nabors #1406 on 5/11/2012 - Set kill plug, MIRU Nabors - Took Elevators off and P/U Power swivel from skid, Installed Kelly Hose, Did'nt Have X/O from swivel stem to TIW valve; - Rih with 3.75 Roller Cone Bit, - Pump off Bit Sub with 1.25 seat for ball, - 1jt. 2-3/8" L-80 - 4.70ppf tbg. XN profile with 1.895 No/Go with P.T.P. in place, 240 jts. 2-3/8" tbg. Tagged 8' in on jt. #241 EOB @ 7,760' Kill Plug was set @ 8,140' (E-line Meas.) Prep. To rig up Nabors 3.5 power swivel; - Had wrong profile nipple for pump thru plug, waited on different plug & nipple; - Hold pre job jsa with nabors and J&A, MIRU Nabors, ND Frac valves, NU 2 3/8" BOP stack, pressure test stack to 500 low and 8000 PSI high. - Bleed off casing from 2,900# to 0# negative test plug for 30 minutes, RDMO Perforators. - PU HES Obsidean Solid BP and RIH- WHP- 2900# Set plug @ 8,140' POOH. LD tool. - Hold pre job jsa safety meeting with Perforators - - MU Swivel, pump down issues with fuel delivvery, Mechanic repaired dip tube in tank, pump up and running.
Daily Cost: $0
Cumulative Cost: $688,021

5/12/2012 Day: 11 **Completion**

Nabors #1406 on 5/12/2012 - C/O to 9,870' lay down 57 joints attempt to land tubing - PU 9 joints TIH to 8,140' Mill Kill plug, Pump rate 2 bpm @ 2,400#, Return rate 4 bpm @ 2750# Mill plug in 18 minutes, with 2600# torque @ 180 RPM. - Poh laid down 57 jts. 2-3/8" L-80 tbg. (Total on ground 70 jts.) Top perferation @ 8,171', EOT at 8,080' 91' above top perforation, Installed Hanger w/BPV landed hanger and torqed Hold down pins to 450 psi, Monitor 10 minutes, no leak seen, start rigging down working floor; - PU 9 joints TIH to 8,140' Mill Kill plug, Pump rate 2 bpm @ 2,400#, Return rate 4 bpm @ 2750# Mill plug in 18 minutes, with 2600# torque @ 180 RPM. - PU 2 joints TIH to 8,220' Mill plug #2, Pump rate 2 bpm @ 1,800#, Return rate 3 bpm @ 1,600# Mill plug in 20 minutes, with 2200# torque @ 180 RPM. - PU 5 joints TIH to 8,380' Wash 3 joints of sand, take 1,000# kick 1800 to 2800 PSI, Mill plug #3, Pump rate 2 bpm @ 2,500#, Return rate 4 bpm @ 2,800# Mill plug in 15 minutes, with 2200# torque @ 180 RPM. PU 33,000# Nuetral 25,000# - PU 15 joints TIH to 8,904', Mill plug #4, Pump rate 2 bpm @ 2,500#, Return rate 4 bpm @ 2,800# Mill plug in 15 minutes, with 2200# torque @ 180 RPM. PU 33,000# Nuetral 25,000# - PU 9 joints TIH to 9,190', Mill plug #5, Pump rate 2 bpm @ 2,500#, Return rate 4 bpm @ 2,800# Mill plug in 8 minutes, with 2200# torque @ 180 RPM. PU 36,000# Nuetral 26,000# - PU 10 joints TIH to 9,519', Mill plug #6, Pump rate 2 bpm @ 2,500#, Return rate 5 bpm @ 2,800# Mill plug in 10 minutes, with 2200# torque @ 180 RPM. PU 36,000# Nuetral 26,000# - started nippling down stack and removed Hydrill, - Flow Cross, - BOPE, - and Frac Valve hanger started leaking; - Installed Hydraulic Frac Valve & nippled up, - BOPE and flow cross nippled up, - Installed 10k Hydrill and nippled up, Function test and tested stack to 8,000 psi; - Pulled tubing hanger seal had been split. - Re-dressed hanger attempt to land tubing, hanger is not holding pull hanger, seal has pulled again - Repair vavle on fluid pump. - Rigged down Nabors Well Service 3.5 power swivel & Rigged up Tbg. Tongs; - C/O to 9,870' Circulate bottoms up, Pump rate 2 bpm @ 2800# return rate @ 5 bpm @ 2800psi, - MU Swivel, pump down issues with fuel delivvery, Mechanic repaired dip tube in tank, pump up and running.
Daily Cost: $0
Cumulative Cost: $770,881

5/13/2012 Day: 12 **Completion**

Nabors #1406 on 5/13/2012 - attempt to land tubing - MU 2.375" x 2.875" xo and 2.875" tubingin hanger and 2.875" pin, run hanger thru annular and back out a 2" chunk had been taken out of the seal. - Re-dress hanger attempt to land tubing, hanger held for 15 minutes and then failed stung out of hanger and shut HCR valve, ND 10k hydrill, WFD is bringing a 5k hydrill from Rock Springs will be available tomorrow afternoon - Secure well SDFN - Re-dress hanger attempt to land tubing, hanger not holding pull hanger, seal has been split in 2 - Flow gas head off well, displace 40 bbls of fresh water, standby for hanger seals. - Re-dressed hanger attempt to land tubing, hanger is not holding pull hanger, seal has pulled again. Seaboard hot shotting now seals. - Pulled tubing hanger seal had been split.
Daily Cost: $0
Cumulative Cost: $808,181

5/15/2012 Day: 13 **Completion**

Nabors #1406 on 5/15/2012 - attempt to land tubing - SDFN, order 2 7-1/16" 10k valves. 2100 PSI on well, Hydrill, Blind rams and HCR are closed. - ND Knight oil tools 10K Hydrill, Standby for WFD 5k annular. - ND Knight oil tools 10K Hydrill, Standby for WFD 5k annular. - NU WFD 5k Hydrill, test to 1800 PSI, Held for 5 min, open HCR valve, took gas kick from between HCR and Tubing head lost seal on bag, Shut HCR, Blind Rams, Pipe ram and annular.

Spill ~3 BBLS OF oil - NU WFD 5k Hydrill, test to 1800 PSI, Held for 5 min, open HCR valve, took gas kick from between HCR and Tubing head lost seal on bag, Shut HCR, Blind Rams, Pipe ram and annular. Spill ~3 BBLS OF oil - Negative test stack for 60 minutes. HCR and Blind rams are closed with pressure in between. 2100 PSI on well. - Negative test stack for 60 minutes. HCR and Blind rams are closed with pressure in between. 2100 PSI on well. - Pressure test Hydrill, pipe rams and blind rams to 4,000 PSI - Pressure test Hydrill, pipe rams and blind rams to 4,000 PSI - Standby for decision from Engineering to proceed. - Standby for decision from Engineering to proceed. - SDFN, order 2 7-1/16" 10k valves. 2100 PSI on well, Hydrill, Blind rams and HCR are closed.
Daily Cost: $0
Cumulative Cost: $826,531

5/16/2012 Day: 15 **Completion**

Nabors #1406 on 5/16/2012 - ND annular. NU additional 10K manual frac valve and blind rams. Pressure Binds and frac vlave. Pressure test lower blinds and HCR valve. Negative and positive test hanger. SIWFN - NU WTF 7 1/16" 5K annuluar. NU WTF 7 1/16" 10K manual frac valve & 7 1/16" 10K single blind Cameron w/ 2 dual 2 1/16" 10K side outlet valves. Pressure test 4 valves, Blind and manual frac valve (500 psi low test for 5 mins, 8000 psi high test for 10 mins). - Presssure test top of Knight oil tools blind rams and bottom of WTF manual frac valve. Pressure test top side of WTF 7 1/16" 10k HCR valve (5 min low test, 10 min high test 8000 psi). Bleed off pressure. Negative test HCR for 20 mins. Check pressure on well. 2275 psi on well. Pressure up on HCR to 2200 psi. Open up HCR valve. Bleed off pressure. Negative test Hang for 20 min (good). Pressure test Hanger. Retorqued HCR bolts and tightend packing on landing pins. Pressure test 9 min @ 8000 psi. Bleed off pressure. Shut in and secure well for night. - Seaboard WH hand (Shane Jones) arrived on location. While talking with Shane, We discovered that the TWCV would not come through the 2 7/8" heavy wall nipple that was left in the hanger. Informed engineers of the problem. Decision was made to check rig up rig assist snibbing unit. Check avalability of rig assist. - Hold safety meeting with Nabors rig crew, WTF pressure test hands, Ruston Muir trucking hands, J&A flowback hands.
Daily Cost: $0
Cumulative Cost: $861,330

5/17/2012 Day: 16 **Completion**

Nabors #1406 on 5/17/2012 - Negative test hanger. RU Cudd rig assist. POOH w/ hanger. RIH w/ 2 3/8" X 7" hanger. Negative test hanger. RD rig assist unit. - RD Cudd rig assist unit. Monitor negative test on hanger during RD. Did not observe any leakage from hanger. Shut in and secure well for night. - Open up HCR valve. Snub jt of tbg in hole and tag up on nipple. No pressure on stack. Screw into nipple in hanger (7 1/2 rounds). Equalize pressure from well to BOP and snubbing stack. Back out landing pins. PU on hanger. Stage hanger out of hole by using rams and annular. Unscrew jt for hanger. Break nipple out of hanger (Very tight, Had to use cheater pipe to break out). Used dry rod to check pressure under TWCV (No pressure). Remove TWCV. Break out hanger and changeover. Install new hanger w/ TWCV. Screw jt into hanger and back off 1/4 turn. Stage hanger in hole using rams and annular. Land hanger. Screw in landing pins. Bleed off pressure from BOP stack. Monitor negative test on hanger for 15 mins. Unscrew landing jt and remove for stack. Shut in upper most blind ram. Monitor negative test on hanger for 15 mins. - PU & run in stack w/ 2 7/8" tbg collar, 2 7/8" Pin X 2 3/8" box change over, 2 3/8" jt of tbg w/ TIW valve installed. Pressure test #1 & #2 2 3/8" pipe safety rams to 250 low (5 min) 5000 psi high (10 min). Pressure test annular bag to 250 low (5 min), 2700 psi high (10 min). No leakage was observed from hanger during rig up and testing process. Hold safety meeting and review procedure to retrieve hanger with Nabor rig crew, Cudd snubbing unit, Seaboard WH hand, J&A flowback hand. - Spot in Cudd rig assist snubbing unit. NU 7 1/16" 10K X 5K change over spool. RU Cudd Rig assist unit. Torque all

flange to spec. - Check pressure on well. 2400 psi. Close in casing. Open up well stack and preform 30 min negative test on hanger and TWCV. No leakage was observed. Left well open to flowback with upper most blind ram closed. - Hold safety meeting and review JSA's with Nabors rig crew, Cudd rig assist crew, J&A flowback hands, Ruston Muir trucking hands, WTF pressure tester, BMW hot oiler.
Daily Cost: $0
Cumulative Cost: $888,119

5/19/2012 Day: 17 **Completion**

Nabors #1406 on 5/19/2012 - Turn well ove to production - Drop 1 1/4" ball. RU BMW hot oiler to production tree. Pumped 8 bbls of water @ 2200 psi. Caught pressure. Pumped of bit sub @ 4300 psi. Pumped additional 5 bbls of water @ 2200 psi. - RU Delsco slickline unit. RIH and retrieve profile plug. POH w/ plug. RD Delsco. - NU production tree on top of HCR valve. Pressure test production tree. RU Seaboard and lubricate TWCV out of hanger. Start RD J&A flowback equipment. - Open up BOP stack. Preform Negative test on hanger. Did not observe any leakage thru stack. Shut in and monitor pressure, Built up 10 psi in 35 min. Close HCR and ND BOP stack (7 1/16" 10K blind, 7 1/16" Manual frac valve, Flowcross, Pipes, Blinds). Load out BOP stack. Open HCR. Monitor Hanger thru HCR, Hanger leaking. Decision was made to NU production tree on top of HCR valve. - Hold safety meeting with Nabors rig crew, J&A flowback hand, BMW hot oiler, WTF pressure tester, Ruston Muir trucking hands. - RDMOSU. Spot rig on side of location. - RU flowline equipment to production. POP well @ 7:15 PM on 6 choke w/ 2200 psi.
Daily Cost: $0
Cumulative Cost: $1,072,644

5/26/2012 Day: 18 **Completion**

Nabors #1406 on 5/26/2012 - MIRU slickline and run paraffin kinfe.MIRU halliburton EWL nand run production log. - MIRU Halliburton EWL,Crane and RIH with 1 11/16" WB/CCL downn to 8801 and correlate to short joint.Continue RIH and set down @ 9,738'.POOH with WB/CCL. - RIH with 1 11/16" Production logging tool down to 8100' and check to see if tool is working prpoerly.Continue RIH down to 9,738'.Spinner on logging tool was not working properly.POOH with logging tool.Log tool had sand and paraffin all inside tool.SDFN due to high winds,Will RU slickline and run paraffin knife in the am. - No activity. - RU R&B Slickline and RIH with parrafin knife down to 6,000'.POOH with knife and RDMO R&B.
Daily Cost: $0
Cumulative Cost: $1,077,144

5/29/2012 Day: 19 **Completion**

Nabors #1406 on 5/29/2012 - Run production log - Safety meeting. - 0700-0800 MIRU R&B slickline and RIH with paraffin knife down to 7,000¿.POOH with knife and tools. 0730 RU Halliburton crane and NU 1 11/16¿ production log tool/CCL. - 0800-1000 RIH with production log tools down to 8,100¿ and start 30¿ /min down pass to 8,300¿. Flow rate started to decrease, pull back to 8,100¿ and go in at 60¿/min to 8,240¿. Spinners on log tool quit Working. - 12:10 RIH with logging tool/ccl down to 8,100¿ and start 30¿-60¿-90¿-120/min down-up pass to 9,730¿. - 1900-2000 Halliburton OOH with tools,start RD crane and turn well back over to production. - 11:15-11:45 POOH with logging tools and inspect for problems.Clean paraffin out of spinners.
Daily Cost: $0
Cumulative Cost: $1,098,252

6/26/2012 Day: 20 **Completion**

Rigless on 6/26/2012 - n/a - Field Cost adjustments for non-captured costs - ITL Inv9537346 ($2147),Inv 9509988($777), RNI 060512A($2186), Western Water Solutions Tk 12634,12630,12632,12616,12628,12631,12633($1400), OCT Tk.#'s 27961,28834,28376,27859,27801,28385,27779,26543,27924($12046), Western States ($455)
Daily Cost: $0
Cumulative Cost: $1,236,461

7/1/2012 Day: 21 **Completion**

Rigless on 7/1/2012 - Enter final costs into DCR¿SH - Field Cost adjustments for non-captured costs
Daily Cost: $0
Cumulative Cost: $1,248,142

7/23/2012 Day: 22 **Completion**

Rigless on 7/23/2012 - RU Delsco SLT. Tbg press 45 psi. PT lubricater to 3000 psi. RIH w/ 1 1/2" wt bars, tag @ 9770'. RU Protechnics. PT lubricater to 3000 psi. Run RAT survey from 7700'- 9670'. RDMO. - RU Delsco SLT. Tbg press 45 psi. PT lubricater to 3000 psi. RIH w/ 1 1/2" wt bars, tag @ 9770'. RU Protechnics. PT lubricater to 3000 psi. RIH w/ 1.79"x 11.6' spectra scan tool. RIH @ 300 FPM to 7700', log down to 9670' @ 30 FPM. Log back up to 7700'. POOH. RDMO. Leave well on production.
Daily Cost: $0
Cumulative Cost: $1,258,867

7/27/2012 Day: 24 **Completion**

Nabors #1406 on 7/27/2012 - Pull hanger and change out to do BOP Test. POOH w/2-3?8" tbg and install NC. TIH w/2-3/8" tbg and Tag Fill - 16:30 Pull tbg hanger and changed out w/new tbg hanger. Weatherford started BOP test on tbg rams and annular preventers tested low side test 300 PSI. High side 3,000 psi. Good test. RU to tbg and pump 20 BBW and kill tbg. Well on vaccum. Pull tbg sub and install two way check into tbg hanger. Shut blind rams pressure test low 300 psi, High to 3,000 PSI. Good Test. Release pressure. Open blind rams and removed two way check. Screwed in tbg to hanger and pulled hangar out the hole. Shut in pipe rams and close in TRW valve. - 06:30 - Safety meeting with Nabors well ser and Weatherford Cameron. Discussion on emergency phone numbers, driving on roads, pinch points, PPE and the right to stop work for safety reasons and PPE. Talk about pull two way check valve. - RU Delsco RIH & tag fill @ 9745' (331' fill). MIRU Nabors rig #1416. Pump 20 BW down tbg. Install 2 way check in tbg hanger. RD tree. NU BOP & hydrill. Try to PT rams, tbg hanger leaking. Tighten hanger anchors, still leaking. SWIFN w/ hanger in place & BOPs closed on tbg sub & TIW valve installed. - RU Delsco RIH & tag fill @ 9745' (331' fill). MIRU Nabors rig #1416. Pump 20 BW down tbg. Install 2 way check in tbg hanger. RD tree. NU BOP & hydrill. Try to PT rams, tbg hanger leaking. Tighten hanger anchors, still leaking. SWIFN w/ hanger in place & BOPs closed on tbg sub & TIW valve installed. - 07:00 ¿ RU Cameron on top of BOP stack. Blow down pressure between hanger and tbg rams. 09:00 - RIH and lubricate out the two way check valves. Pull two way check, tbg has 700 psi. Close Blind rams. Start blowing down tbg, Have to shut down do to leak in the iron. Had to call and get more iron from Nabors yard. Had 500 BBl flow tank delivered to location to circulate bottoms up w/production water. 10:00 - On location w/iron RU up Flow back tank. 12:48 - Nabors

delivered iron to location. RU Flow back tank, open valves on lower part of BOP. Pressure 700 psi. lowest it would go down to was 200 psi after 30 min. Pumped 20 BPW to kill tbg. Shut down. Pressure still at 200 psi. When we opened it up it flowed back. Closed back in and pumped 20 bbls Brian water, SD and well went on vaccum. Opened blind rams screwed in tubing pup and TRW valve into tubing hangar. Started pumping to circulate bottoms up to kill well. 15:30 Pump 300 BPW well pressure steel 200 psi. Start pump w/160 brian water down casing to kill well. - 06:30 - Safety meeting with Nabors well ser and Weatherford Cameron. Discussion on emergency phone numbers, driving on roads, pinch points, PPE and the right to stop work for safety reasons and PPE. Talk about pull two way check valve. - SDFN - 07:00 ¿ RU Cameron on top of BOP stack. Blow down pressure between hanger and tbg rams. 09:00 - RIH and lubricate out the two way check valves. Pull two way check, tbg has 700 psi. Close Blind rams. Start blowing down tbg, Have to shut down do to leak in the iron. Had to call and get more iron from Nabors yard. Had 500 BBl flow tank delivered to location to circulate bottoms up w/production water. 10:00 - On location w/iron RU up Flow back tank. 12:48 - Nabors delivered iron to location. RU Flow back tank, open valves on lower part of BOP. Pressure 700 psi. lowest it would go down to was 200 psi after 30 min. Pumped 20 BPW to kill tbg. Shut down. Pressure still at 200 psi. When we opened it up it flowed back. Closed back in and pumped 20 bbls Brian water, SD and well went on vaccum. Opened blind rams screwed in tubing pup and TRW valve into tubing hangar. Started pumping to circulate bottoms up to kill well. 15:30 Pump 300 BPW well pressure steel 200 psi. Start pump w/160 brian water down casing to kill well. - 16:30 Pull tbg hanger and changed out w/new tbg hanger. Weatherford started BOP test on tbg rams and annular preventers tested low side test 300 PSI. High side 3,000 psi. Good test. RU to tbg and pump 20 BBW and kill tbg. Well on vaccum. Pull tbg sub and install two way check into tbg hanger. Shut blind rams pressure test low 300 psi, High to 3,000 PSI. Good Test. Release pressure. Open blind rams and removed two way check. Screwed in tbg to hanger and pulled hangar out the hole. Shut in pipe rams and close in TRW valve. - SDFN
Daily Cost: $0
Cumulative Cost: $1,295,129

7/28/2012 Day: 25 **Completion**

Nabors #1406 on 7/28/2012 - Pooh w/250 jts 2-3/8"tbg and install NC. TIH w/302 jts 2-3/8" tbg tag fill @ 9709 FS. - 06:30 - Safety meeting with Nabors well ser and Weatherford Cameron. Discussion on emergency phone numbers, driving on roads, pinch points, PPE and the right to stop work for safety reasons and PPE. Talk about pull two way check valve. - SITP 100 PSI. SICP 0 PSI. RU tbg pump 40 BBW and kill well. POOH w/250 jts 2-3/8" tbg and install NC and tally tbg. 12:30 shut down. Have go to Nobars shop for new set off power tongs. 13:00 TIH w/302 jts 2-3/8"6.5# L-80 tbg to tag filll @ 9739' FS. 16:00 POOH w/60 jts 2-3/8" EOT 7,833' FS. 17:00 Shut well in. SDFN -
Daily Cost: $0
Cumulative Cost: $1,303,117

7/30/2012 Day: 26 **Completion**

Nabors #1406 on 7/30/2012 - Celan out fill. TIH w/2-3/8" tbg and clean out to 9.922 FS. - 06:30 - Safety meeting with Nabors well ser and Weatherford Cameron. Discussion on emergency phone numbers, driving on roads, pinch points, PPE and the right to stop work for safety reasons and PPE. Talk about clean out fill. - SITP 575 PSI. SICP 0 PSI. Pump down tbg w/40 BBW and kill well. TIH w/60 jts tbg tag fill @ @ 9739' FS. 08:00 - RU power swivel and start clean out form 9,739' F. 13:00 PU & TIH /70 jts 2-3/8" tbg clean to 9,922' FS. 16:00 Cir Bottom up . - Shut well in. SDFN - 17:00 - POOH w/75 jts 2-3/8"tbg EOT 7790 Fs.
Daily Cost: $0
Cumulative Cost: $1,314,706

Pertinent Files: Go to File List

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: FEE

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: CONNOLLY 10-24-3-3W

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

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

9. AFI Well No.: 43-013-51145

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

At surface 1881' FSL & 466' FEL (NE/SE) SEC. 24, T3S, R3W (FEE)

At top prod. interval reported below 1842' FSL & 1840' FEL (NW/SE) SEC. 24, T3S, R3W (FEE)

At total depth 1800' FSL & 1802' FEL (NW/SE) SEC. 24, T3S, R3W (FEE) BHL by HSM

10. Field and Pool or Exploratory: WILDCAT

11. Sec., T., R., M., on Block and Survey or Area: SEC. 24, T3S, R3W

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 03/17/2012

15. Date T.D. Reached: 04/14/2012

16. Date Completed: 05/18/2012 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5214' GL 18' KB

18. Total Depth: MD 10118' TVD 9956'

19. Plug Back T.D.: MD 10076' TVD 9914

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,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"	9-5/8" K-55	36#	0	1011'		486 CLASS G			
8-3/4"	7" P-110	26#	0	8111'		586 PRIMLITE		660'	
						316 50/50 POZ			
6-1/4"	4.5" P-110	11.6#	7751'	10117'		219 50/50 POZ			

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@ 8095'							

25. Producing Intervals

Formation	Top	Bottom
A) LBSH	8171'	8181'
B) BAR F	8257'	8292'
C) WASATCH	8816'	9770'
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
8171'-9770'	.34"	180	

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

Depth Interval	Amount and Type of Material
8171'-9770'	Frac w/ 781146#'s 20/40 white sand and 95492#s Super LC 20/40 in 13599 bbls of Lightning 17 fluid in 6 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
5/18/12	5/28/12	24	→	277	258	745			Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

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

RECEIVED
OCT 24 2012
DIV. OF OIL, GAS & MINING

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.)*

SOLD AND USED FOR FUEL

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
LBSH	8171'	8181'		GREEN RIVER EPA	3290'
BAR F	8257'	8320'		MAHOGANY BENCH TOP	5302'
WASATCH	8816'	9770'		GARDEN GULCH 1	6433'
				WASATCH	8695'
				TF40 RB	9844'

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:

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)* Jennifer Peatross Title Production Technician

Signature JPeatross Date 10/22/2012

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

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 24 T3S, R3W
Connolly 10-24-3-3W

Wellbore #1

Design: Actual

Standard Survey Report

25 April, 2012

NEWFIELD

Payzone Directional

Survey Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well Connolly 10-24-3-3W
Project:	USGS Myton SW (UT)	**TVD Reference:**	Connolly 10-24-3-3W @ 5231.0ft (Pioneer #69)
Site:	SECTION 24 T3S, R3W	**MD Reference:**	Connolly 10-24-3-3W @ 5231.0ft (Pioneer #69)
Well:	Connolly 10-24-3-3W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

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 24 T3S, R3W

Site Position:		**Northing:**	7,247,323.72 ft	**Latitude:**	40° 12' 29.389 N
From:	Map	**Easting:**	2,012,709.73 ft	**Longitude:**	110° 10' 0.996 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.85 °

Well Connolly 10-24-3-3W, SHL LAT: 40 12 19.33 LONG: -110 09 48.30

Well Position	**+N/-S**	0.0 ft	**Northing:**	7,246,320.67 ft	**Latitude:**	40° 12' 19.330 N
	+E/-W	0.0 ft	**Easting:**	2,013,709.77 ft	**Longitude:**	110° 9' 48.300 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,231.0 ft	**Ground Level:**	5,214.0 ft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	3/21/2012	11.28	65.89	52,270

Design Actual

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	266.52

Survey Program **Date** 4/25/2012

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
1,028.0	10,118.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	**Inclination (°)**	**Azimuth (°)**	**Vertical Depth (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Vertical Section (ft)**	**Dogleg Rate (°/100ft)**	**Build Rate (°/100ft)**	**Turn Rate (°/100ft)**
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,028.0	0.04	231.01	1,028.0	-0.2	-0.3	0.3	0.00	0.00	0.00
1,058.0	0.20	198.20	1,058.0	-0.3	-0.3	0.3	0.56	0.53	-109.37
1,090.0	0.50	213.40	1,090.0	-0.5	-0.4	0.4	0.97	0.94	47.50
1,121.0	0.70	228.99	1,121.0	-0.7	-0.6	0.7	0.83	0.65	50.29
1,152.0	1.10	235.40	1,152.0	-1.0	-1.0	1.1	1.33	1.29	20.68
1,183.0	1.70	242.70	1,183.0	-1.4	-1.7	1.7	2.02	1.94	23.55
1,214.0	2.07	247.13	1,214.0	-1.8	-2.6	2.7	1.28	1.19	14.29
1,246.0	2.50	252.00	1,245.9	-2.2	-3.8	3.9	1.47	1.34	15.22
1,275.0	2.90	256.70	1,274.9	-2.6	-5.1	5.2	1.58	1.38	16.21
1,306.0	3.40	260.40	1,305.9	-2.9	-6.8	6.9	1.74	1.61	11.94
1,340.0	4.10	262.50	1,339.8	-3.3	-9.0	9.1	2.10	2.06	6.18
1,368.0	4.60	262.40	1,367.7	-3.5	-11.1	11.3	1.79	1.79	-0.36

NEWFIELD

Payzone Directional

Survey Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well Connolly 10-24-3-3W
Project:	USGS Myton SW (UT)	**TVD Reference:**	Connolly 10-24-3-3W @ 5231.0ft (Pioneer #69)
Site:	SECTION 24 T3S, R3W	**MD Reference:**	Connolly 10-24-3-3W @ 5231.0ft (Pioneer #69)
Well:	Connolly 10-24-3-3W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,399.0	5.10	265.90	1,398.6	-3.8	-13.7	13.9	1.87	1.61	11.29
1,492.0	7.00	276.80	1,491.1	-3.4	-23.4	23.6	2.38	2.04	11.72
1,585.0	8.00	277.90	1,583.3	-1.9	-35.5	35.5	1.09	1.08	1.18
1,678.0	10.00	276.20	1,675.1	-0.1	-49.9	49.8	2.17	2.15	-1.83
1,771.0	12.40	272.00	1,766.4	1.1	-67.9	67.7	2.72	2.58	-4.52
1,864.0	14.20	269.20	1,856.9	1.3	-89.3	89.1	2.06	1.94	-3.01
1,957.0	15.60	267.20	1,946.7	0.5	-113.2	113.0	1.60	1.51	-2.15
2,050.0	16.40	267.40	2,036.1	-0.7	-138.8	138.6	0.86	0.86	0.22
2,143.0	16.83	266.29	2,125.2	-2.1	-165.4	165.2	0.57	0.46	-1.19
2,237.0	16.66	265.46	2,215.3	-4.1	-192.4	192.3	0.31	-0.18	-0.88
2,330.0	16.92	266.56	2,304.3	-5.9	-219.2	219.1	0.44	0.28	1.18
2,423.0	17.05	271.04	2,393.2	-6.5	-246.3	246.2	1.41	0.14	4.82
2,516.0	17.31	270.47	2,482.1	-6.2	-273.8	273.6	0.33	0.28	-0.61
2,608.0	17.75	270.12	2,569.8	-6.0	-301.5	301.3	0.49	0.48	-0.38
2,702.0	17.89	270.03	2,659.3	-6.0	-330.2	330.0	0.15	0.15	-0.10
2,795.0	17.49	271.39	2,747.9	-5.6	-358.5	358.2	0.62	-0.43	1.46
2,888.0	17.22	272.84	2,836.7	-4.6	-386.2	385.8	0.55	-0.29	1.56
2,981.0	15.21	273.72	2,926.0	-3.1	-412.1	411.6	2.18	-2.16	0.95
3,074.0	13.50	271.70	3,016.1	-2.0	-435.2	434.5	1.92	-1.84	-2.17
3,167.0	13.50	270.10	3,106.5	-1.7	-456.9	456.1	0.40	0.00	-1.72
3,260.0	14.00	269.40	3,196.8	-1.8	-479.0	478.2	0.57	0.54	-0.75
3,353.0	14.50	267.90	3,287.0	-2.3	-501.9	501.1	0.67	0.54	-1.61
3,446.0	13.60	264.00	3,377.2	-3.9	-524.4	523.6	1.40	-0.97	-4.19
3,539.0	12.80	261.20	3,467.7	-6.6	-545.4	544.8	1.10	-0.86	-3.01
3,632.0	12.10	261.40	3,558.5	-9.6	-565.3	564.8	0.75	-0.75	0.22
3,725.0	11.60	264.80	3,649.6	-11.9	-584.2	583.8	0.92	-0.54	3.66
3,818.0	11.90	266.20	3,740.6	-13.4	-603.1	602.8	0.44	0.32	1.51
3,912.0	11.87	265.05	3,832.6	-14.9	-622.4	622.1	0.25	-0.03	-1.22
4,005.0	10.90	266.70	3,923.8	-16.2	-640.7	640.5	1.10	-1.04	1.77
4,098.0	10.20	265.99	4,015.2	-17.3	-657.7	657.5	0.77	-0.75	-0.76
4,129.0	9.90	266.10	4,045.7	-17.7	-663.1	662.9	0.97	-0.97	0.35
4,222.0	11.00	267.30	4,137.2	-18.7	-679.9	679.8	1.21	1.18	1.29
4,315.0	11.30	264.60	4,228.4	-19.9	-697.9	697.8	0.65	0.32	-2.90
4,409.0	9.36	266.43	4,320.9	-21.3	-714.7	714.6	2.09	-2.06	1.95
4,440.0	9.40	266.60	4,351.5	-21.6	-719.7	719.7	0.16	0.13	0.55
4,470.0	9.30	266.60	4,381.1	-21.9	-724.6	724.6	0.33	-0.33	0.00
4,564.0	11.30	274.40	4,473.6	-21.6	-741.3	741.3	2.59	2.13	8.30
4,656.0	13.20	280.30	4,563.5	-19.0	-760.7	760.4	2.47	2.07	6.41
4,749.0	14.60	276.30	4,653.7	-15.9	-782.8	782.3	1.83	1.51	-4.30
4,842.0	15.30	270.90	4,743.6	-14.4	-806.7	806.1	1.68	0.75	-5.81
4,935.0	14.40	271.60	4,833.5	-13.9	-830.5	829.8	0.99	-0.97	0.75
5,029.0	12.57	267.56	4,924.9	-14.0	-852.4	851.7	2.19	-1.95	-4.30
5,122.0	14.28	271.26	5,015.4	-14.2	-874.0	873.2	2.06	1.84	3.98
5,256.0	15.00	271.96	5,145.0	-13.2	-907.8	907.0	0.55	0.54	0.52
5,346.0	13.63	270.39	5,232.2	-12.7	-930.1	929.1	1.58	-1.52	-1.74
5,439.0	14.30	271.40	5,322.5	-12.4	-952.5	951.5	0.77	0.72	1.09
5,532.0	15.30	271.52	5,412.4	-11.8	-976.3	975.2	1.08	1.08	0.13
5,625.0	16.03	268.80	5,501.9	-11.7	-1,001.4	1,000.2	1.11	0.78	-2.92
5,718.0	15.60	264.10	5,591.4	-13.3	-1,026.7	1,025.6	1.45	-0.46	-5.05
5,810.0	14.50	266.40	5,680.3	-15.3	-1,050.5	1,049.4	1.36	-1.20	2.50
5,903.0	13.90	271.90	5,770.4	-15.6	-1,073.2	1,072.2	1.59	-0.65	5.91
5,996.0	13.90	272.80	5,860.7	-14.7	-1,095.6	1,094.4	0.23	0.00	0.97
6,089.0	14.60	274.00	5,950.8	-13.3	-1,118.4	1,117.2	0.82	0.75	1.29
6,181.0	12.80	268.80	6,040.2	-12.7	-1,140.2	1,138.8	2.37	-1.96	-5.65

NEWFIELD

Payzone Directional

Survey Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well Connolly 10-24-3-3W
Project:	USGS Myton SW (UT)	**TVD Reference:**	Connolly 10-24-3-3W @ 5231.0ft (Pioneer #69)
Site:	SECTION 24 T3S, R3W	**MD Reference:**	Connolly 10-24-3-3W @ 5231.0ft (Pioneer #69)
Well:	Connolly 10-24-3-3W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,274.0	12.31	268.18	6,131.0	-13.3	-1,160.4	1,159.0	0.55	-0.53	-0.67
6,367.0	12.30	269.40	6,221.9	-13.7	-1,180.2	1,178.8	0.28	-0.01	1.31
6,460.0	13.10	271.40	6,312.6	-13.5	-1,200.6	1,199.2	0.98	0.86	2.15
6,554.0	13.01	270.30	6,404.1	-13.2	-1,221.9	1,220.4	0.28	-0.10	-1.17
6,647.0	12.52	271.70	6,494.8	-12.9	-1,242.4	1,240.9	0.62	-0.53	1.51
6,740.0	10.92	269.20	6,585.9	-12.7	-1,261.3	1,259.7	1.80	-1.72	-2.69
6,834.0	8.79	265.20	6,678.5	-13.4	-1,277.4	1,275.8	2.38	-2.27	-4.26
6,926.0	8.10	263.10	6,769.5	-14.8	-1,290.8	1,289.3	0.82	-0.75	-2.28
7,020.0	7.40	258.90	6,862.7	-16.7	-1,303.3	1,301.9	0.96	-0.74	-4.47
7,112.0	7.10	254.50	6,953.9	-19.4	-1,314.6	1,313.4	0.69	-0.33	-4.78
7,158.1	6.98	255.72	6,999.7	-20.9	-1,320.1	1,318.9	0.41	-0.26	2.63
10-24-3-3W TGT									
7,206.0	6.86	257.02	7,047.2	-22.2	-1,325.7	1,324.6	0.41	-0.25	2.73
7,298.0	5.30	262.30	7,138.7	-24.0	-1,335.2	1,334.2	1.80	-1.70	5.74
7,391.0	4.50	263.60	7,231.4	-25.0	-1,343.1	1,342.2	0.87	-0.86	1.40
7,484.0	3.70	260.40	7,324.1	-25.9	-1,349.7	1,348.8	0.89	-0.86	-3.44
7,577.0	3.30	251.40	7,417.0	-27.3	-1,355.2	1,354.4	0.73	-0.43	-9.68
7,671.0	3.43	243.00	7,510.8	-29.4	-1,360.3	1,359.5	0.54	0.14	-8.94
7,764.0	3.25	241.38	7,603.6	-31.9	-1,365.1	1,364.5	0.22	-0.19	-1.74
7,856.0	2.02	243.40	7,695.5	-33.9	-1,368.8	1,368.3	1.34	-1.34	2.20
7,918.0	1.41	236.28	7,757.5	-34.8	-1,370.4	1,370.0	1.04	-0.98	-11.48
8,011.0	1.32	212.55	7,850.5	-36.4	-1,371.9	1,371.6	0.61	-0.10	-25.52
8,069.0	1.41	228.19	7,908.5	-37.4	-1,372.8	1,372.6	0.66	0.16	26.97
8,109.0	1.30	231.40	7,948.5	-38.0	-1,373.6	1,373.3	0.33	-0.28	8.03
8,204.0	0.60	81.90	8,043.4	-38.6	-1,373.9	1,373.7	1.94	-0.74	-157.37
8,298.0	1.23	83.26	8,137.4	-38.4	-1,372.4	1,372.2	0.67	0.67	1.45
8,395.0	0.97	109.01	8,234.4	-38.6	-1,370.6	1,370.4	0.57	-0.27	26.55
8,490.0	1.32	91.44	8,329.4	-38.9	-1,368.8	1,368.6	0.52	0.37	-18.49
8,585.0	2.40	101.50	8,424.3	-39.3	-1,365.7	1,365.6	1.18	1.14	10.59
8,680.0	2.02	112.62	8,519.3	-40.3	-1,362.2	1,362.1	0.60	-0.40	11.71
8,774.0	2.20	114.60	8,613.2	-41.7	-1,359.0	1,359.1	0.21	0.19	2.11
8,869.0	1.90	114.20	8,708.2	-43.1	-1,355.9	1,356.1	0.32	-0.32	-0.42
8,964.0	2.40	125.80	8,803.1	-44.9	-1,352.9	1,353.1	0.70	0.53	12.21
9,059.0	2.29	133.45	8,898.0	-47.4	-1,349.9	1,350.3	0.35	-0.12	8.05
9,154.0	2.46	139.60	8,992.9	-50.2	-1,347.2	1,347.8	0.32	0.18	6.47
9,249.0	2.50	150.90	9,087.8	-53.6	-1,344.9	1,345.7	0.52	0.04	11.89
9,344.0	2.60	150.40	9,182.7	-57.3	-1,342.8	1,343.8	0.11	0.11	-0.53
9,471.0	1.60	152.50	9,309.7	-61.4	-1,340.6	1,341.8	0.79	-0.79	1.65
9,535.0	1.67	150.76	9,373.6	-63.0	-1,339.7	1,341.1	0.13	0.11	-2.72
9,630.0	1.76	159.99	9,468.6	-65.6	-1,338.5	1,340.0	0.31	0.09	9.72
9,725.0	1.67	166.70	9,563.5	-68.3	-1,337.7	1,339.4	0.23	-0.09	7.06
9,821.0	1.90	170.40	9,659.5	-71.2	-1,337.1	1,339.0	0.27	0.24	3.85
9,915.0	2.10	170.30	9,753.4	-74.4	-1,336.6	1,338.6	0.21	0.21	-0.11
10,010.0	1.80	170.90	9,848.4	-77.6	-1,336.0	1,338.3	0.32	-0.32	0.63
10,073.0	2.00	170.70	9,911.4	-79.7	-1,335.7	1,338.1	0.32	0.32	-0.32
10,118.0	2.00	170.70	9,956.3	-81.2	-1,335.5	1,337.9	0.00	0.00	0.00

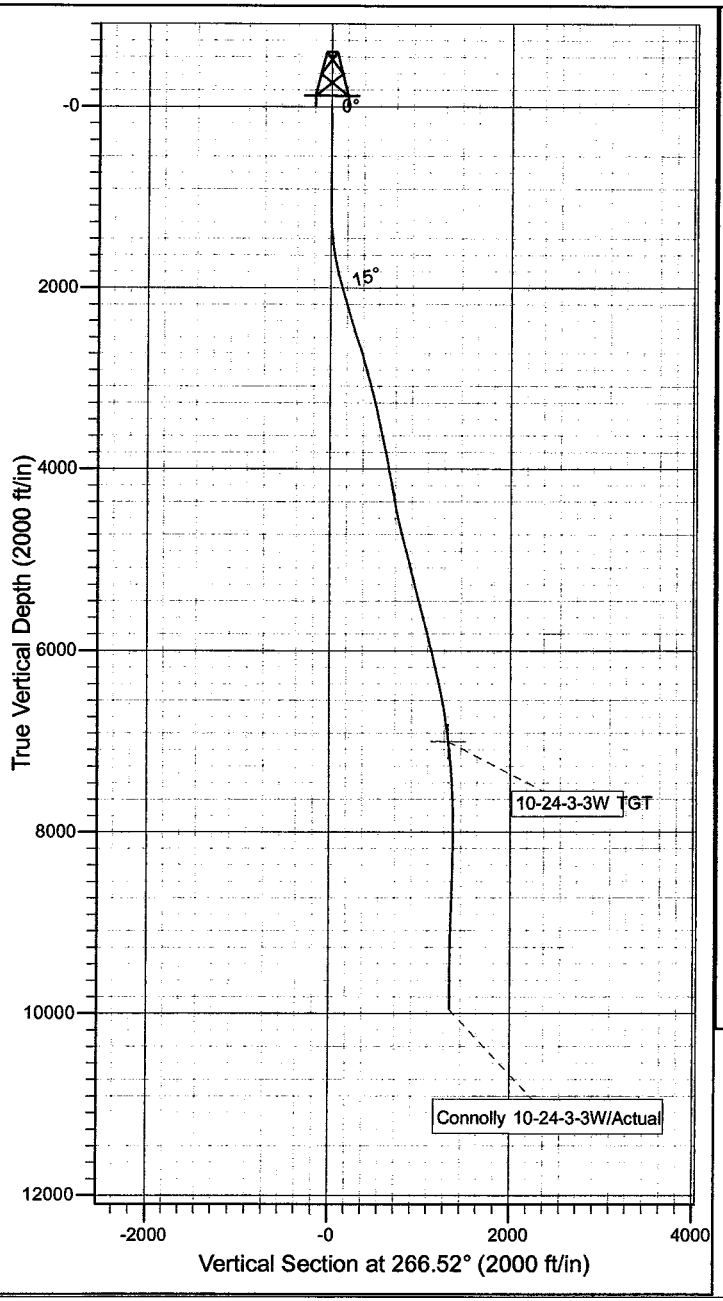
Checked By: _____ Approved By: _____ Date: _____

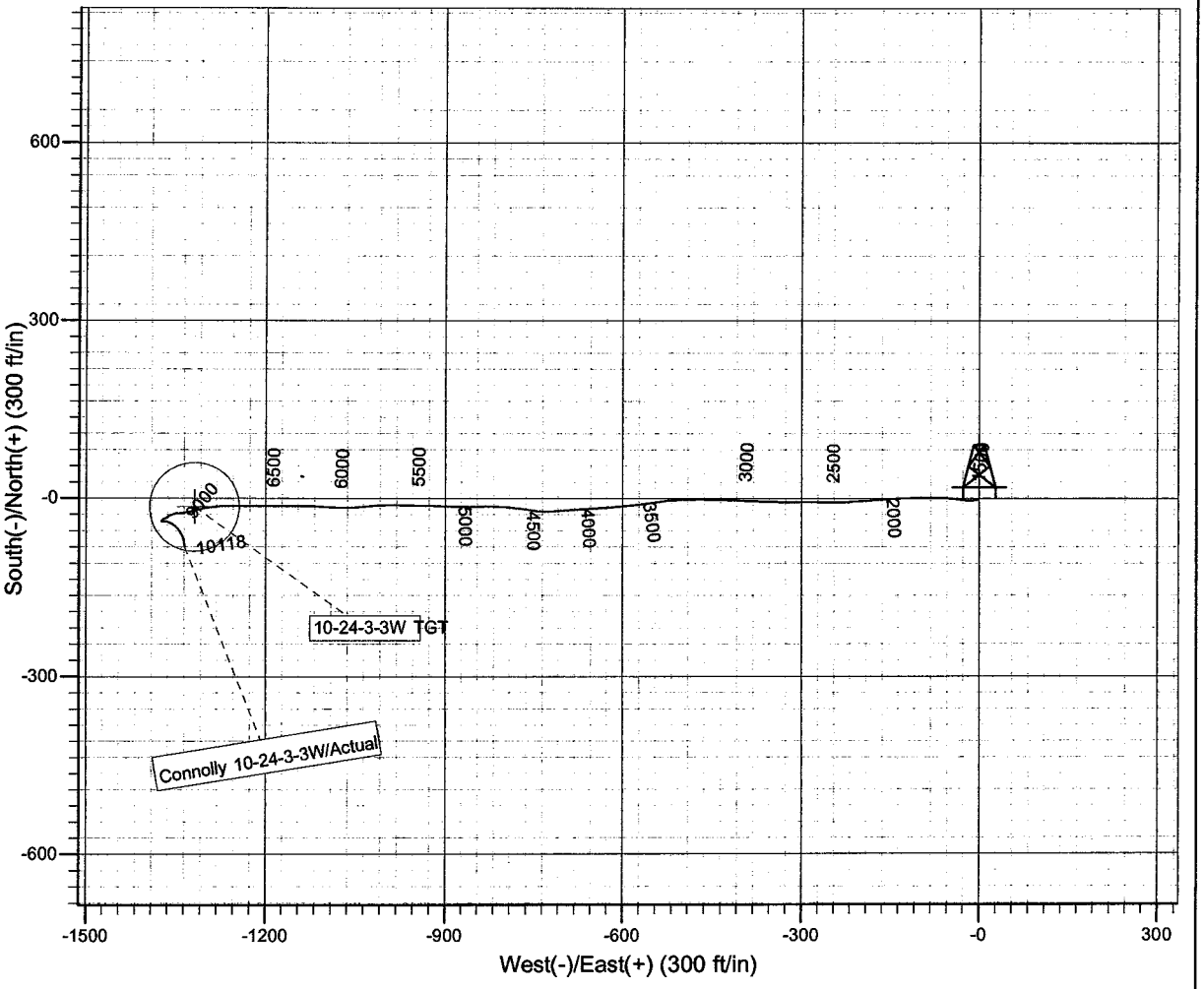
NEWFIELD

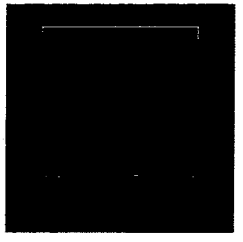
Project: USGS Myton SW (UT)
Site: SECTION 24 T3S, R3W
Well: Connolly 10-24-3-3W
Wellbore: Wellbore #1
Design: Actual

Azimuths to True North
Magnetic North: 11.28°

Magnetic Field
Strength: 52269.8snT
Dip Angle: 65.89°
Date: 3/21/2012
Model: IGRF2010







Design: Actual (Connolly 10-24-3-3W/Wellbore #1)

Created By: Sarah Webb Date: 16:34, April 25 2012

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

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
CONNOLLY 10-24-3-3W

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013511450000

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

PHONE NUMBER:
303 382-4443 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1881 FSL 0466 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 24 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT Date of Work Completion: 9/7/2012	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Site Facility/Site Security

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

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 14, 2013

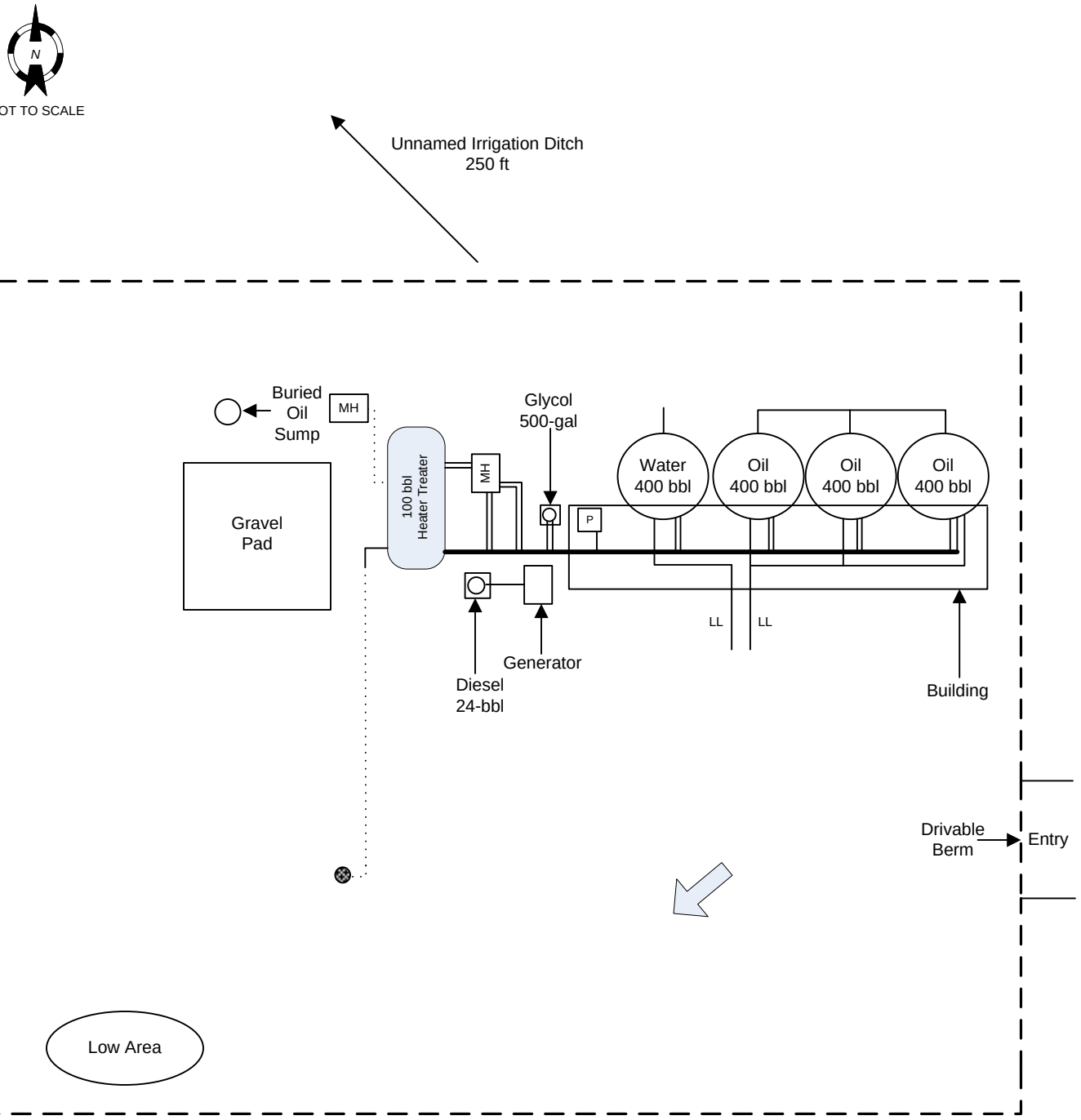
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jill L Loyle	303 383-4135	Regulatory Technician

SIGNATURE	DATE
N/A	1/25/2013

RECEIVED: Jan. 25, 2013

NEWFIELD PRODUCTION COMPANY

CONNOLLY 10-24-3-3W
SEC. 24 T3S R3W
DUCHESNE COUNTY, UTAH



LEGEND

- FENCE
- BERM
- ABOVEGROUND PIPING
- UNDERGROUND PIPING (LOCATION APPROXIMATE)
- MH — METER HOUSE
- DIRECTION OF FLOW
- bbl — BARREL(S)
- LL — LOAD LINE
- WELL HEAD
- P — PUMP
- PIPING CONDUIT

ALL UNDERGROUND PIPING IS FOR PROCESS FLOW DEMONSTRATION ONLY

RECEIVED: Jan. 25, 2013