				[ST DEPARTMENT DIVISION O		AL RESOU			AMEND	FOR ED REPOR		
		А	PPLICATION FOR	PERMIT	TO DRILL				1. WELL NAME and La	NUMBER ke Boreham	4-36-3-3V	/H	
2. TYPE OI	F WORK	DRILL NEW WELL	. (iii) REENTER P&	A WELL [DEEPEN	WELL (3. FIELD OR WILDO	AT WILD	CAT		
4. TYPE OF	WELL		Dil Well Coalbe	ed Methan	ne Well: NO		5. UNIT OF COMMUNITIZATION AGREEMENT NAME						E
6. NAME O	F OPERATOR		NEWFIELD PRODUC						7. OPERATOR PHO	NE 435 646	i-4825		
8. ADDRES	S OF OPERAT	OR	Rt 3 Box 3630 , M	yton, UT,	84052				9. OPERATOR E-M	AIL ncrozier@ne	ewfield.com	1	
	AL LEASE NUN , INDIAN, OR S				RAL OWNERS	ATT-1	STATE (FEE (a)	12. SURFACE OWN		STATE	_	E (10)
13. NAME	OF SURFACE	OWNER (if box 12	! = 'fee') Michael M. & Suz	, , , , , , , , , , , , , , , , , , ,	Evono				14. SURFACE OWN	ER PHONE 801-301		'fee')	
15. ADDRE	SS OF SURFA	CE OWNER (if bo	x 12 = 'fee')						16. SURFACE OWN			= 'fee')	
	I ALLOTTEE O = 'INDIAN')	R TRIBE NAME	32 East 1875 North, C	18. INTE	END TO COMM				19. SLANT	DIRECTIONA	L HO	ORIZONT	AL (🕞)
20. LOCA	TION OF WELI		FC	OTAGES		QTR-Q)TR	SECTION	TOWNSHIP				
	N AT SURFACI			IL 333 F		NWNV		36	3.0 \$		ANGE MERIDIAN 0 W U		
Top of U	opermost Prod	lucing Zone	660 FN	IL 660 F\	WL	NWNV	v	36	3.0 S	3.	0 W		
At Total	Depth		660 FS	SL 660 F\	WL	SWSW	v	36	3.0 S 3.0 W		U		
21. COUN	TY	DUCHESNE	<u> </u>	22. DIST	ANCE TO NEA	REST LEASE	E LINE (Feet)		23. NUMBER OF AC	RES IN DRII			
				25. DIST	ANCE TO NEA	REST WELL	IN SAME PO	OOL	26. PROPOSED DEI	PTH	TVD: 746	3	
27. ELEVA	TION - GROUN	ND LEVEL		28. BON	D NUMBER	B001834	\Diamond	•	29. SOURCE OF DR WATER RIGHTS AP		MBER IF AF	PLICABL	-E
		0200		Н	lole, Casing			nation					
String	Hole Size	Casing Size	Length	Weigh	d Grade	Thread	Max Mu	d Wt.	Cement				Weight
COND	17.5	14	0 - 60	37.0		ST&C	0.		Class G	35 204	1.17	15.8	
SURF	12.25	9.625	0 - 2500	36.0	J-55	ST&C	0.	0 1	Premium Lite High Strength 2 Class G 1			3.53 1.17	11.0
I1	8.75	7	0 - 8052	26.0	P-11	0 Other	10.	.5 F	Premium Lite High Strength			3.53	11.0
									50/50 Poz			1.24	14.3
PROD	6.125	4.5	7064 - 12001	13.5	P-11	0 Other	10.	.5	No Used		0	0.0	0.0
			7		A	TTACHME	NTS						
	VEF	RIFY THE FOLLO	OWING ARE ATTAC	CHED IN	ACCORDAN	ICE WITH T	THE UTAH	OIL AND GA	S CONSERVATION	GENERAL	RULES		
₩	ELL PLAT OR M	AP PREPARED BY	LICENSED SURVEYO	R OR ENG	GINEER		COMPLE	ETE DRILLING	PLAN				
I ✓ AFI	FIDAVIT OF ST	ATUS OF SURFACE	OWNER AGREEMEN		FORM 5.	IF OPERATOR	IS OTHER THAN THE	LEASE OWI	NER				
I ✓ DIR	ECTIONAL SU	RVEY PLAN (IF DI	RECTIONALLY OR HO	RIZONTA	ALLY DRILLED)	TOPOGRAPHICAL MAP						
NAME Do	n Hamilton			ng Agent	PHONE 435 719-2018								
SIGNATU	RE			2012	2 EMAIL starpoint@etv.net								
	BER ASSIGNED 113511940				APPROVAL			1	Bacqill				
									Permit Manager				

Newfield Production Company Lake Boreham 4-36-3-3WH

Surface Hole Location: 204' FNL, 333' FWL, Section 36, T3S, R3W Bottom Hole Location: 660' FSL, 660' FWL, Section 36, T3S, R3W Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta surface
Green River 2,915'
Garden Gulch member 5,725'
Wasatch 8,220'
Pilot Hole TD 8,520'

Lateral TD 7,468' TVD / 12,001' MD

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

Base of moderately saline 477' (water)
Green River 5,725' - 7,468' (oil)

Note: The pilot hole will be drilled into the Wasatch formation for evaluation and targeting purposes only. The lateral will be drilled in the Green River formation.

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

D. Co	J	Interval		Condo	Coup	Pore Press @	MW @	Frac	Safety Factors			
Description	Тор	Bottom (TVD/MD)	(ppf)	Grade	Coup	Shoe	Shoe	Grad @ Shoe	Burst	Collapse	Tension	
Conductor	0' 60'		37	H-40	Weld							
14	U	00	31	11-40	Weld							
Surface	0'	2,500'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000	
9 5/8	U	2,300	30	J -33	510	6.55	0.55	12	2.51	2.54	4.38	
Intermediate	0'	7,648'	26	D 110	DEC	10	10.5	15	9,960	6,210	853,000	
7	U	8,052'	26	P-110	BTC				3.10	1.82	4.07	
Production	7.064	7,468'	12.5	D 110	DTC	10	10.5		12,410	10,670	422,000	
4 1/2	7,064'	12,001'	13.5	P-110	BTC	10	10.5		3.96	3.20	6.33	

Assumptions:

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

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

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

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	OH excess	Weight (ppg)	Yield (ft³/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	2,000'	Premium Lite II w/ 3% KCl + 10% bentonite	720 204	15%	11.0	3.53
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180 154	15%	15.8	1.17
Pilot Hole Plug Back	8 3/4	1,016'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	488 394	15%	14.3	1.24
Intermediate Lead	8 3/4	4,725'	Premium Lite II w/ 3% KCl + 10% bentonite	817 231	15%	11.0	3.53
Intermediate Tail	8 3/4	2,327'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	402 324	15%	14.3	1.24
Production	6 1/8		Liner will not be cemented. It will be isolated with a liner top packer.				

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 pilot hole plug back and the intermediate casing string will be calculated from an open hole caliper log, plus 15% excess.

The production liner will be left uncemented. Individual frac stages will be isolated with open hole packers. A liner top hanger and packer will be installed 50' above KOP.

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u> <u>Description</u>

Surface - 2,500'

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

2,500' - TD A water based mud system will be utilized. Hole stability may be improved

with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and

if conditions warrant, with barite.

Anticipated maximum mud weight is 10.5 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 0.52 psi/ft gradient.

$$7,468' \times 0.52 \text{ psi/ft} = 3883 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

An 8-3/4" pilot hole will be drilled in order to determine the depth to the lateral target zone.

The pilot hole will be logged, and then plugged back in prepartion for horizontal operations.

Directional tools will then be used to build to 92.60 degrees inclination.

The 7" intermediate casing string will be set once the well is landed horizontally in the target zone.

The lateral will be drilled to the bottomhole location shown on the plat.

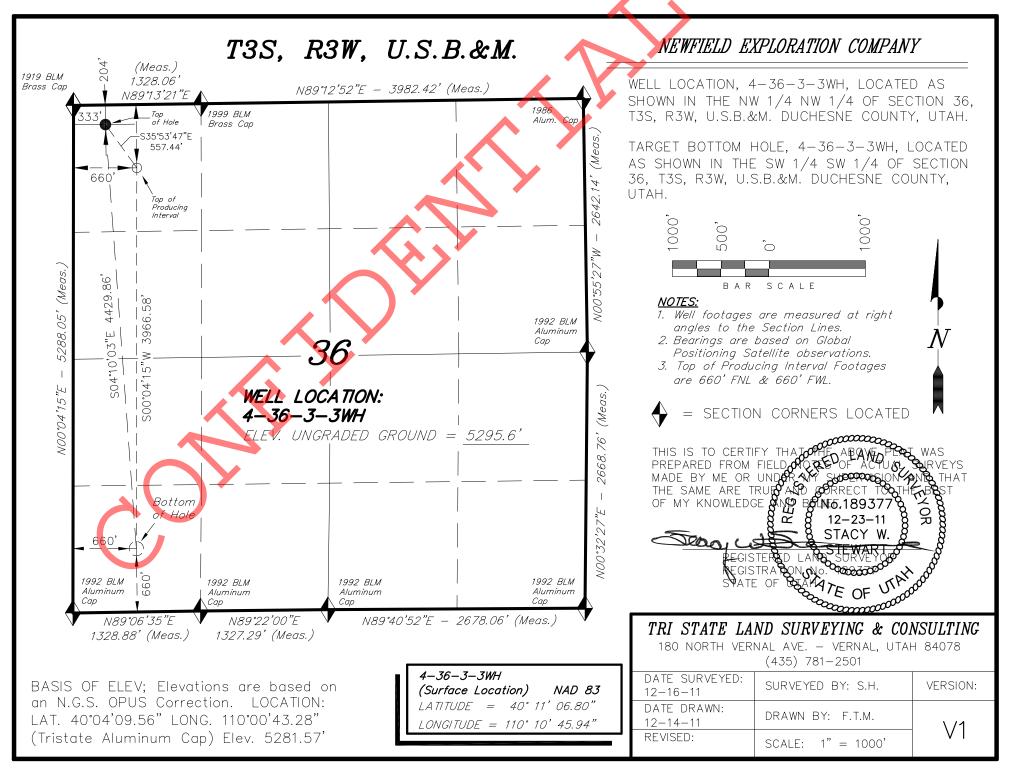
A liner with a system of open hole packers will be used to provide multi-stage frac isolation in the lateral. The top of the liner will be place 50' above KOP and will be isolated with a liner top packer.

Newfield requests the following variances from Onshore Order #2:

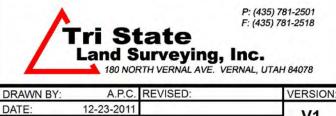
Variance from Onshoer Order #2, III.E.1

Refer to Newfield Production Company Standard Operating Practices "Ute Tribal

Green River Development Program" paragraph 9.2



API Well Number: 43013511940000 **Access Road Map** UPALCO Roosevel Mi (81) loka CANAL North Myton Flatte: Arcadia CO ± 3.3 mi. ± 1.2 mi. **Proposed Location** 4-36-3-3WH **MYTON** ± 0.9 mi See Topo "B" Bench Bridgeland Myton VALLEY South PLEASANT RESERVATION INDIAN **NEWFIELD EXPLORATION COMPANY** P: (435) 781-2501 N



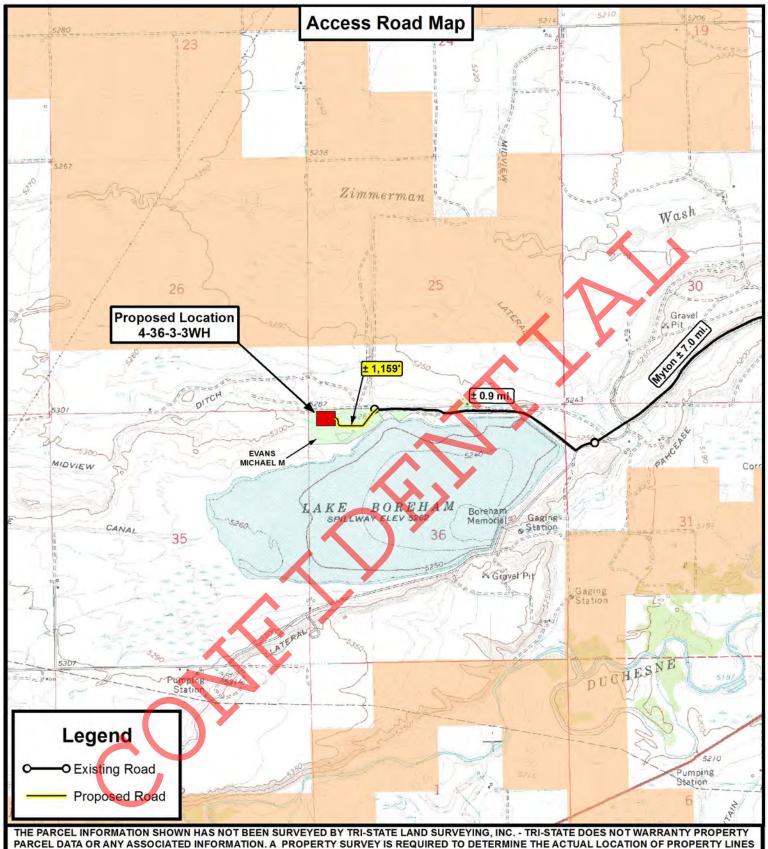
1:100,000

SCALE

12-23-2011 V1

4-36-3-3WH SEC. 36, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**





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.

N



otate	
Surveying,	Inc.

P: (435) 781-2501

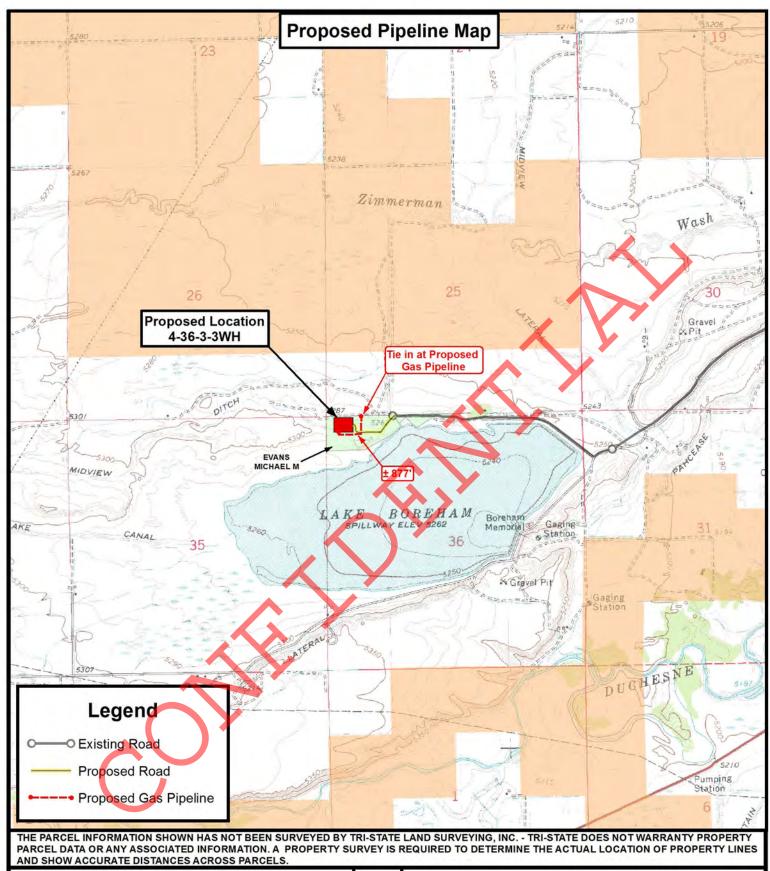
F: (435) 781-2518

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-23-2011		V1
SCALE:	1"= 2.000'		V1

NEWFIELD EXPLORATION COMPANY

4-36-3-3WH SEC. 36, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**







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

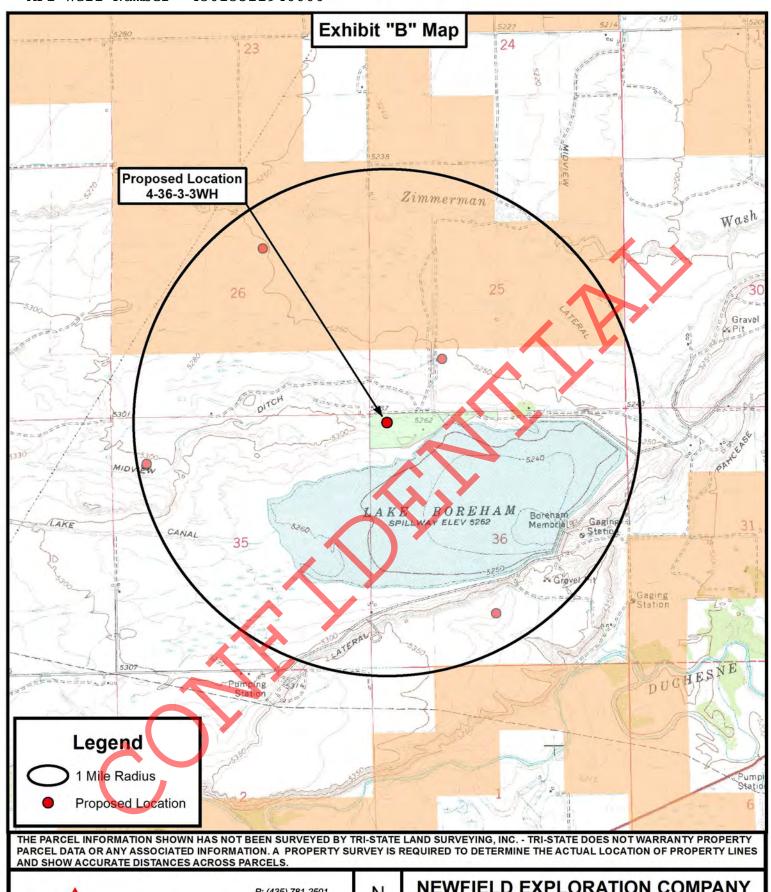
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-23-2011		V1
SCALE:	1"= 2,000'		VI

NEWFIELD EXPLORATION COMPANY

4-36-3-3WH SEC. 36, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**







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

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-23-2011		V1
SCALE:	1 " = 2,000 '		VI

NEWFIELD EXPLORATION COMPANY

4-36-3-3WH SEC. 36, T3S, R3W, U.S.B.&M. **Duchesne County, UT.**







DUCHESNE COUNTY, UT

LAKE BOREHAM 4-36-3-3WH

Plan: Design #1

Standard Survey Report

24 JANUARY, 2012



API Well Number: 43013511940000
NEWFIELD

Project: DUCHESNE COUNTY, UT Site: LAKE BOREHAM 4-36-3-3WH Well: LAKE BOREHAM 4-36-3-3WH

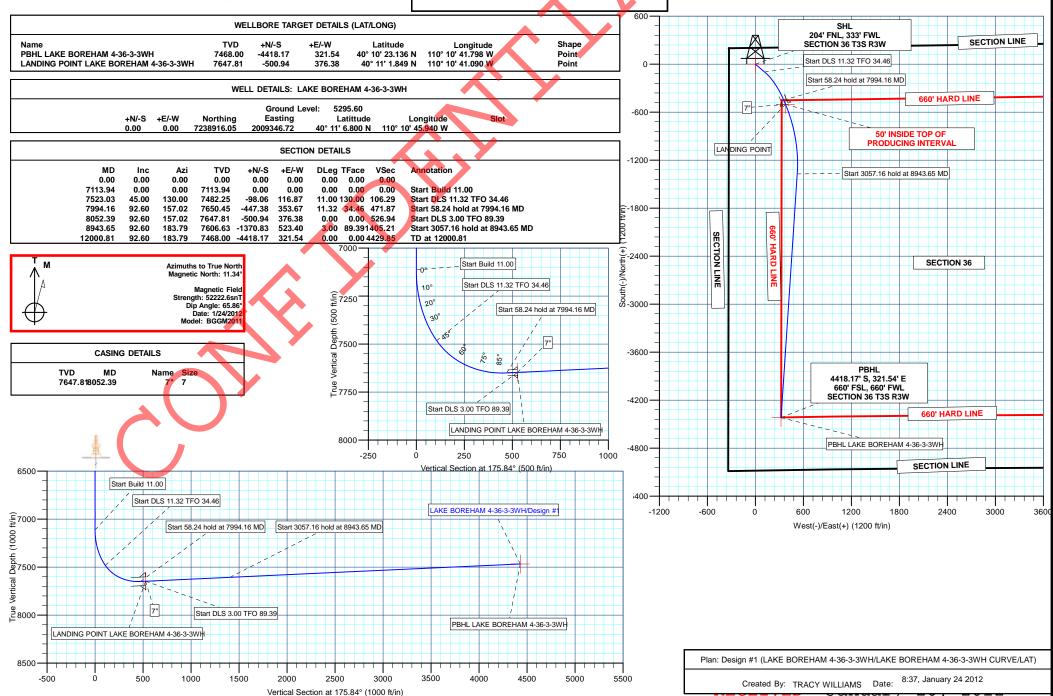
Wellbore: LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: Design #1 Latitude: 40° 11' 6.800 N Longitude: 110° 10' 45.940 W

GL: 5295.60

KB: WELL @ 5313.60ft (PIONEER 62)









DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Plan: Design #1

Standard Planning Report

24 January, 2012





Wellbore:

Weatherford International Ltd.

Planning Report



EDM 2003.21 Single User Db Database: Company: Project: Site: Well:

NEWFIELD EXPLORATION CO. DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: Design #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site LAKE BOREHAM 4-36-3-3WH WELL @ 5313.60ft (PIONEER 62) WELL @ 5313.60ft (PIONEER 62)

Minimum Curvature

Project DUCHESNE COUNTY, UT

Map System: US State Plane 1983 North American Datum 1983 Geo Datum:

Utah Central Zone Map Zone:

System Datum:

Mean Sea Level

LAKE BOREHAM 4-36-3-3WH Site

Northing: 7,238,916.05ft Site Position: Latitude: 40° 11' 6.800 N From: Lat/Long Easting: 2,009,346.72ft Longitude: 110° 10' 45.940 W **Position Uncertainty:** 0.00 ft Slot Radius: Grid Convergence: 0.85°

Well LAKE BOREHAM 4-36-3-3WH

Well Position ±N/-S 0.00 ftNorthing: 7,238,916.05 ft Latitude: 40° 11' 6.800 N +E/-W 0.00 ft Easting: 2,009,346.72 ft Longitude 110° 10' 45.940 W **Position Uncertainty** 0.00 ft Wellhead Elevation: Ground Level: 5,295.60 ft

LAKE BOREHAM 4-36-3-3WH CURVE/LAT Wellbore Magnetics Model Name Sample Date Declination **Dip Angle** Field Strength (nT) (°) 11.34 52.223 BGGM2011 1/24/2012 65.86

Design #1 Design

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section: Depth From (TVD) +N/-S +E/-W **Direction** (ft) (ft) (ft) (°) 0.00 0.00 0.00 175.84

Plan Sections Measured Vertical Dogleg Build Turn Depth Depth +N/-S Inclination **Azimuth** +E/-W Rate Rate Rate **TFO** (ft) (°/100ft) (°/100ft) (°/100ft) (ft) (°) (ft) **Target** (°) (ft) (°) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 7,113.94 0.00 0.00 7,113.94 0.00 0.00 0.00 0.00 0.00 0.00 7,523.03 45.00 130.00 7,482.25 -98.06 116.87 11.00 11.00 0.00 130.00 92.60 157.02 7,650.45 -447.38 10.10 5.74 7,994.16 353.67 11.32 34.46 8,052.39 92.60 157.02 7.647.81 -500.94 376.38 0.00 0.00 0.00 0.00 LANDING POINT L 8,943.65 92.60 183.79 7.606.63 -1.370.83523.40 3 00 0.00 3.00 89 39 12,000.81 92.60 183.79 7,468.00 -4,418.17 321.54 0.00 0.00 0.00 0.00 PBHL LAKE BORE



Weatherford International Ltd.

Planning Report



Database: Company: Project: Site: Well:

Wellbore:

EDM 2003.21 Single User Db NEWFIELD EXPLORATION CO. DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: Design #1

Local Co-ordinate Reference: TVD Reference:

MD Reference:
North Reference:

Survey Calculation Method:

Site LAKE BOREHAM 4-36-3-3WH WELL @ 5313.60ft (PIONEER 62) WELL @ 5313.60ft (PIONEER 62)

True

Minimum Curvature

	ŭ								
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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00 2,600.00 2,700.00 2,800.00 2,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	2,500.00 2,600.00 2,700.00 2,800.00 2,900.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00 3,600.00 3,700.00 3,800.00 3,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	3,500.00 3,600.00 3,700.00 3,800.00 3,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00



Weatherford International Ltd.

Planning Report



Database: EI
Company: NI
Project: Di
Site: LA
Well: LA

Wellbore:

EDM 2003.21 Single User Db NEWFIELD EXPLORATION CO. DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: Design #1

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Site LAKE BOREHAM 4-36-3-3WH WELL @ 5313.60ft (PIONEER 62) WELL @ 5313.60ft (PIONEER 62)

Minimum Curvature

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)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00 5,600.00 5,700.00 5,800.00 5,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	5,500.00 5,600.00 5,700.00 5,800.00 5,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
6,000.00 6,100.00 6,200.00 6,300.00 6,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	6,000.00 6,100.00 6,200.00 6,300.00 6,400.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
6,500.00 6,600.00 6,700.00 6,800.00 6,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	6,500.00 6,600.00 6,700.00 6,800.00 6,900.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
7,000.00 7,100.00	0.00 0.00	0.00 0.00	7,000.00 7,100.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
Start Build		0.00	7 440 04	0.00	0.00	0.00	0.00	0.00	0.00
7,113.94 7,150.00 7,200.00	0.00 3.97 9.47	0.00 130.00 130.00	7,113.94 7,149.97 7,199.61	0.00 -0.80 -4.56	0.00 0.96 5.43	0.00 0.87 4.94	0.00 11.00 11.00	0.00 11.00 11.00	0.00 0.00 0.00
7,250.00 7,300.00 7,350.00 7,400.00 7,450.00	14.97 20.47 25.97 31.47 36.97	130.00 130.00 130.00 130.00 130.00	7,248.46 7,296.07 7,342.00 7,385.84 7,427.17	-11.36 -21.13 -33.80 -49.24 -67.30	13.54 25.19 40.28 58.68 80.21	12.31 22.91 36.63 53.36 72.95	11.00 11.00 11.00 11.00 11.00	11.00 11.00 11.00 11.00 11.00	0.00 0.00 0.00 0.00 0.00
7,500.00	42.47	130.00	7,465.61	-87.83	104.67	95.20	11.00	11.00	0.00
	11.32 TFO 34.4			•					
7,523.03 7,550.00 7,600.00 7,650.00	45.00 47.54 52.37 57.30	130.00 132.34 136.21 139.61	7,482.25 7,500.89 7,533.06 7,561.86	-98.06 -110.90 -137.63 -167.97	116.87 131.53 158.88 186.24	106.29 120.15 148.80 181.05	11.00 11.32 11.32 11.32	11.00 9.42 9.65 9.87	0.00 8.68 7.75 6.79
7,700.00 7,750.00 7,800.00 7,850.00 7,900.00	62.32 67.39 72.51 77.66 82.84	142.65 145.41 147.98 150.41 152.74	7,587.00 7,608.24 7,625.38 7,638.24 7,646.71	-201.62 -238.25 -277.50 -318.99 -362.31	213.32 239.88 265.64 290.37 313.81	216.57 255.03 296.05 339.22 384.13	11.32 11.32 11.32 11.32 11.32	10.03 10.15 10.24 10.30 10.34	6.07 5.53 5.14 4.85 4.67
7,950.00	88.02	155.02	7,650.69	-407.04	335.73	430.34	11.32	10.37	4.56
7,994.16 8,000.00	92.60 92.60 92.60	157.02 157.02	7,650.45 7,650.19	-447.38 -452.75 AKE BOREHAN	353.67 355.95	471.87 477.39	11.32 0.00	10.37 0.00	4.53 0.00
8,052.39	92.60	157.02	7,647.81	-500.94	376.38	526.94	0.00	0.00	0.00
8,100.00	92.62	158.45	7,645.64	-544.95	394.40	572.14	3.00	0.03	3.00
8,200.00 8,300.00 8,400.00 8,500.00 8,600.00	92.64 92.66 92.67 92.67 92.67	161.46 164.46 167.46 170.47 173.47	7,641.06 7,636.43 7,631.78 7,627.12 7,622.46	-638.78 -734.28 -831.18 -929.21 -1,028.11	428.63 457.90 482.13 501.25 515.21	668.21 765.58 863.98 963.14 1,062.79	3.00 3.00 3.00 3.00 3.00	0.03 0.02 0.01 0.00 0.00	3.00 3.00 3.00 3.00 3.00
8,700.00 8,800.00 8,900.00	92.66 92.64 92.61	176.47 179.48 182.48	7,617.81 7,613.19 7,608.61	-1,127.61 -1,227.43 -1,327.29	523.96 527.49 525.79	1,162.66 1,262.48 1,361.96	3.00 3.00 3.00	-0.01 -0.02 -0.03	3.00 3.00 3.00

RECEIVED: January 26, 2012



Weatherford International Ltd.

Planning Report



Database: Company: Project: Site: Well:

Wellbore:

EDM 2003.21 Single User Db NEWFIELD EXPLORATION CO. DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: Design #1

Local Co-ordinate Reference: TVD Reference:

MD Reference:
North Reference:

Survey Calculation Method:

Site LAKE BOREHAM 4-36-3-3WH WELL @ 5313.60ft (PIONEER 62) WELL @ 5313.60ft (PIONEER 62)

True

Minimum Curvature

sign:	Design #1								
anned 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)
Start 3057	'.16 hold at 894	13 65 MD							
8,943.65	92.60	183.79	7,606.63	-1,370.83	523.40	1,405.21	3.00	-0.03	3.00
9,000.00	92.60	183.79	7,604.07	-1,427.00	519.68	1,460.96	0.00	0.00	0.00
9,100.00	92.60	183.79	7,599.54	-1,526.68	513.08	1,559.90	0.00	0.00	0.00
9,200.00	92.60	183.79	7,595.00	-1,626.36	506.48	1,658.83	0.00	0.00	0.00
9,300.00	92.60	183.79	7,590.47	-1,726.04	499.87	1,757.77	0.00	0.00	0.00
9,400.00	92.60	183.79	7,585.93	-1,825.72	493.27	1,856.70	0.00	0.00	0.00
9,500.00	92.60	183.79	7,581.40	-1,925.40	486.67	1,955.64	0.00	0.00	0.00
9,600.00	92.60	183.79	7,576.86	-2,025.07	480.06	2,054.58	0.00	0.00	0.00
9,700.00	92.60	183.79	7,572.33	-2,124.75	473.46	2,153.51	0.00	0.00	0.00
9,800.00	92.60	183.79	7,567.80	-2,224.43	466.86	2,252.45	0.00	0.00	0.00
9,900.00	92.60	183.79	7,563.26	-2,324.11	460.25	2,351.39	0.00	0.00	0.00
10,000.00	92.60	183.79	7,558.73	-2,423.79	453.65	2,450.32	0.00	0.00	0.00
10,100.00	92.60	183.79	7,554.19	-2,523.47	447.05	2,549.26	0.00	0.00	0.00
10,200.00	92.60	183.79	7,549.66	-2,623.15	440.45	2,648.20	0.00	0.00	0.00
10,300.00	92.60	183.79	7,545.12	-2,722.82	433.84	2,747.13	0.00	0.00	0.00
10,400.00	92.60	183.79	7,540.59	-2,822.50	427.24	2,846.07	0.00	0.00	0.00
10,500.00	92.60	183.79	7,536.05	-2,922.18	420.64	2,945.01	0.00	0.00	0.00
10,600.00	92.60	183.79	7,531.52	-3,021.86	414.03	3,043.94	0.00	0.00	0.00
10,700.00	92.60	183.79	7,526.99	-3,121.54	407.43	3,142.88	0.00	0.00	0.00
10,800.00	92.60	183.79	7,522.45	-3,221.22	400.83	3,241.82	0.00	0.00	0.00
10,900.00	92.60	183.79	7,517.92	-3,320.90	394.22	3,340.75	0.00	0.00	0.00
11,000.00	92.60	183.79	7,513.38	-3,420.58	387.62	3,439.69	0.00	0.00	0.00
11,100.00	92.60	183.79	7,508.85	-3,520.25	381.02	3,538.62	0.00	0.00	0.00
11,200.00	92.60	183.79	7,504.31	-3,619.93	374.42	3,637.56	0.00	0.00	0.00
11,300.00	92.60	183.79	7,499.78	-3,719.61	367.81	3,736.50	0.00	0.00	0.00
11,400.00	92.60	183.79	7,495.24	-3,819.29	361.21	3,835.43	0.00	0.00	0.00
11,500.00	92.60	183.79	7,490.71	-3,918.97	354.61	3,934.37	0.00	0.00	0.00
11,600.00	92.60	183.79	7,486.17	-4,018.65	348.00	4,033.31	0.00	0.00	0.00
11,700.00	92.60	183.79	7,481.64	-4,118.33	341.40	4,132.24	0.00	0.00	0.00
11,800.00	92.60	183.79	7,477.11	-4,218.00	334.80	4,231.18	0.00	0.00	0.00
11,900.00	92.60	183.79	7,472.57	-4,317.68	328.19	4,330.12	0.00	0.00	0.00
	00.81 - PBHL 📙								
12,000.81	92.60	183.79	7,468.00	-4,418.17	321.54	4,429.85	0.00	0.00	0.00

Design Targets Target Name - hit/miss target Dip A - Shape	Angle Dip Dir.	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL LAKE BOREHA	0.00 0.00		-4.418.17	321.54	7.234.503.12			110° 10' 41.798 W
- plan hits target center - Point	0.00 0.00	7,466.00	-4,410.17	321.34	7,234,503.12	2,009,733.45	40° 10′ 23.136 N	110° 10° 41.796 W
LANDING POINT LAK - plan hits target center - Point	0.00 0.00	7,647.81	-500.94	376.38	7,238,420.73	2,009,730.46	40° 11′ 1.849 N	110° 10' 41.090 W



Weatherford International Ltd.

Planning Report



Database: Company: Project: Site: Well: EDM 2003.21 Single User Db NEWFIELD EXPLORATION CO. DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: Design #1

Local Co-ordinate Reference: TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Site LAKE BOREHAM 4-36-3-3WH WELL @ 5313.60ft (PIONEER 62) WELL @ 5313.60ft (PIONEER 62)

True

Minimum Curvature

Casing Points

Wellbore:

 Measured Depth
 Vertical Depth
 Casing Diameter Diameter Diameter
 Hole Diameter

 (ft)
 (ft)
 Name
 (")
 (")

 8,052.39
 7,647.81
 7"
 8-3/4

Plan Annotatio	ns				
N	leasured Depth	Vertical Depth	Local Coor	dinates +E/-W	
	(ft)	(ft)	(ft)	(ft)	Comment
	7,113.94	7,113.94	0.00	0.00	Start Build 11.00
	7,523.03	7,482.25	-98.06	116.87	Start DLS 11.32 TFQ 34.46
	7,994.16	7,650.45	-447.38	353.67	Start 58.24 hold at 7994.16 MD
	8,052.39	7,647.81	-500.94	376.38	Start DLS 3.00 TFO 89.39
	8,943.65	7,606.63	-1,370.83	523.40	Start 3057.16 hold at 8943.65 MD
	12,000.81	7,468.00	-4,418.17	321.54	TD at 12000.81



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

Christian C. Sizemore personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

- 1. My name is Christian C. Sizemore. 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 following proposed wells:
 - Evans 14-25-3-3W
 Lake Boreham 4-36-3-3WH
 All located in the SE¼SW¼, S½SE¼ of Section 25 and BEG NW COR SEC 36, T3S, R3W, USM, TH N 89°46′ E 1354 FT, M/L, TO W SIDE OF SPILLWAY, TH S 73°45′ E 34 FT, S 36°30′ E 287 FT, S 49°36′ W 242 FT, S 62°50′ W 650 FT, S 89°16′ W 785 FT, N 00°31′ W 690 FT TO BEG; AND BEG N 89°46′ E 1477 FT FROM NW COR OF SEC 36, N 89°40′ E 1283 FT, M/L, TO N¼ COR OF SEC 36, TH S 00°59′ W 206 FT, N 66°46′ W 427 FT, S 57°17′ W 465 FT, N 43°05′ W 316 FT, S 49°36′ W 182 FT, N 36°30′ W 237 FT TO N LINE OF SAID SEC 36 TO PT OF BEG of Section 36, Township 3 South, Range 3 West, Duchesne, County, Utah (the "Drillsite Locations"). The surface owner of the Drillsite Locations is Michael M. Evans and Suzanne H. Evans, whose address is 232 East 1875 North, Centerville, UT 84014 ("Surface Owner").
- 3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated August 23, 2011 covering the Drillsite Locations and access to the Drillsite Locations.

FURTHER AFFIANT SAYETH NOT.

Christian C. Sizemore, Landman

<u>ACKNOWLEDGEMENT</u>

STATE OF COLORADO

§

COUNTY OF DENVER

Ş

Before me, a Notary Public, in and for the State, on this 3rd day of January, 2012, personally appeared Christian C. Sizemore, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

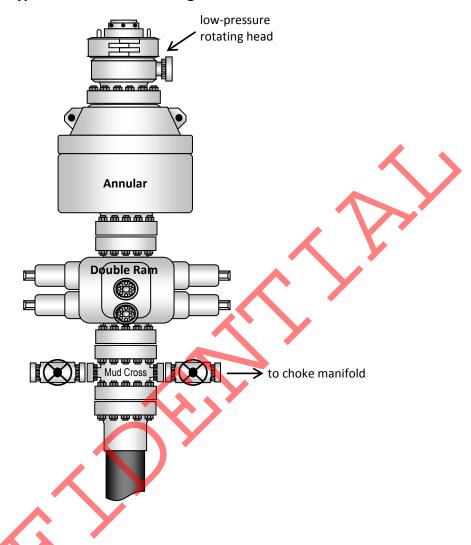
PETER BURNS

NOTARY PUBLIC

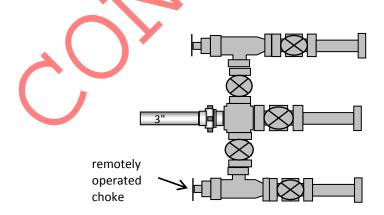
STATE OF COLORADO

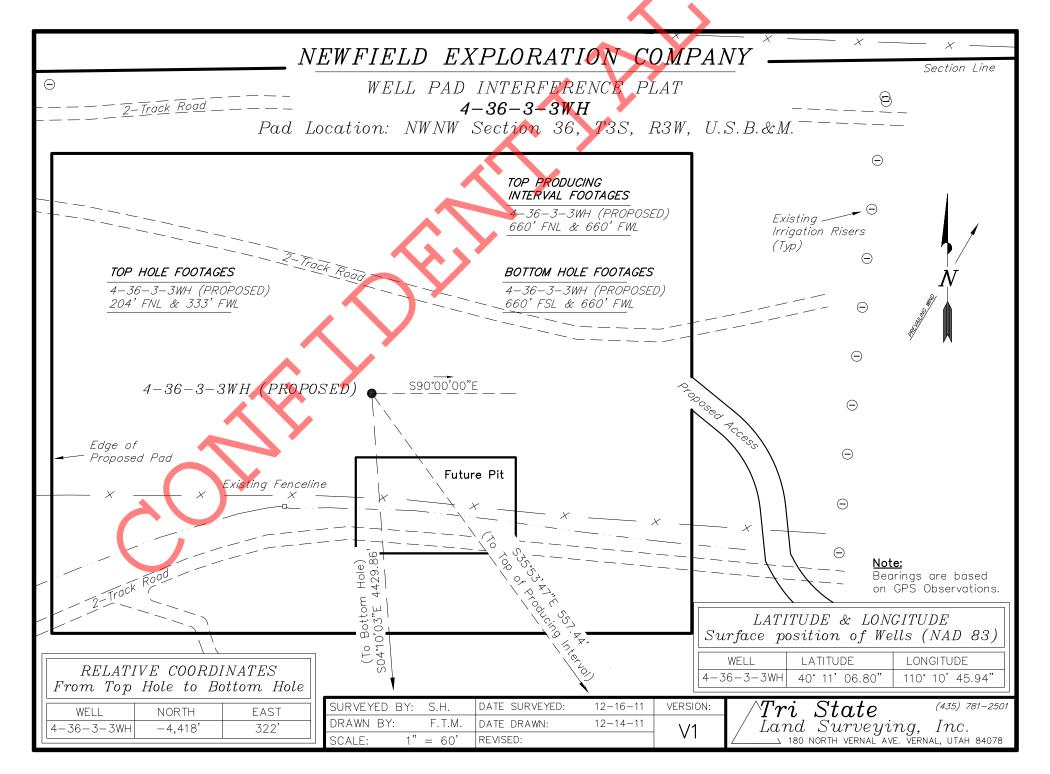
My Commission Expires 8/09/2015

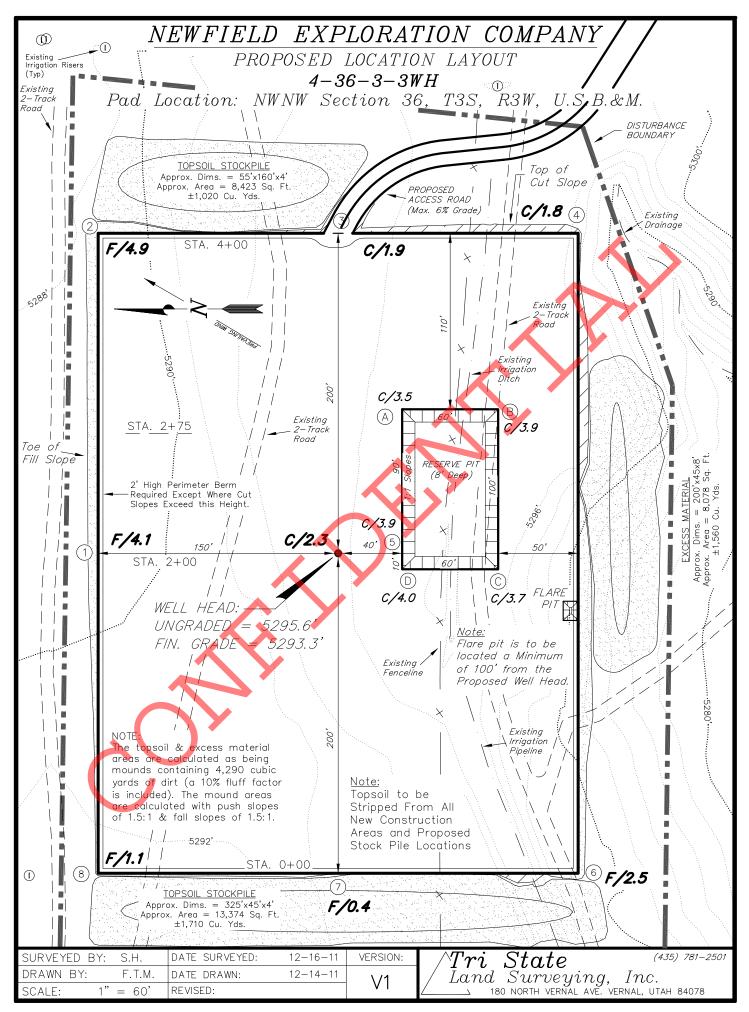
Typical 5M BOP stack configuration

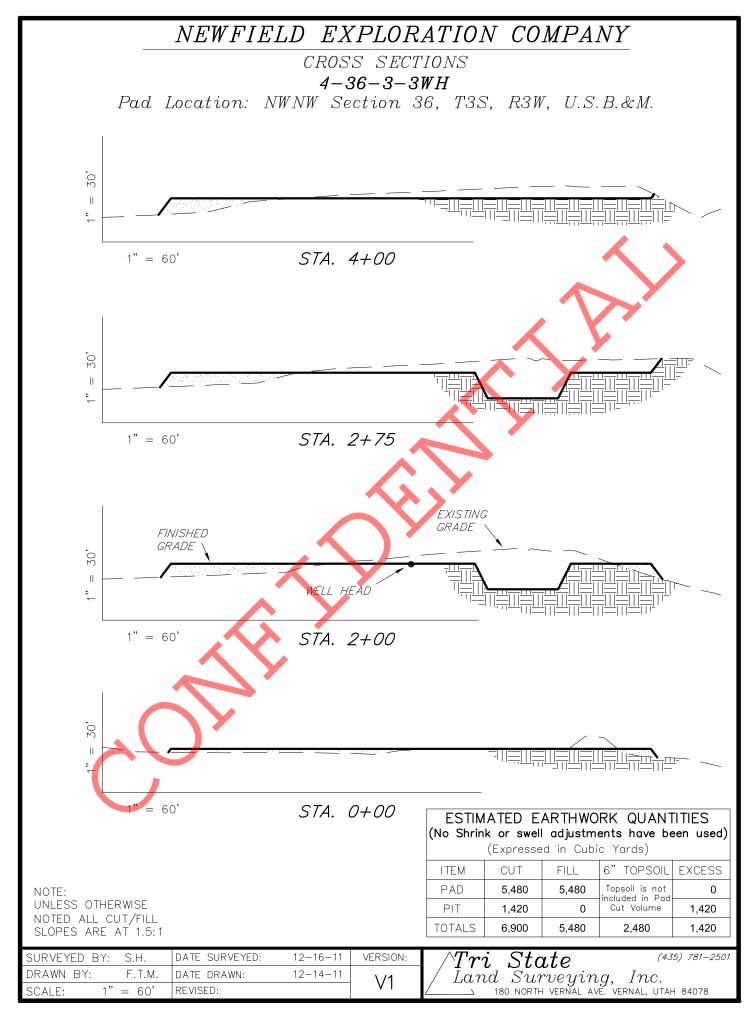


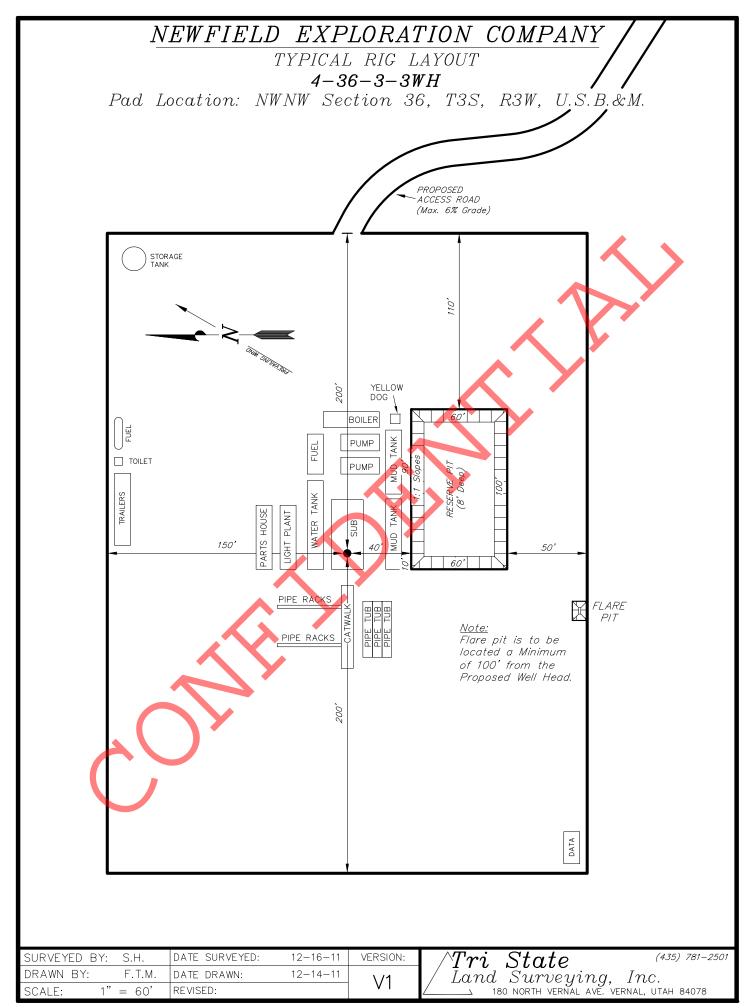
Typical 5M choke manifold configuration

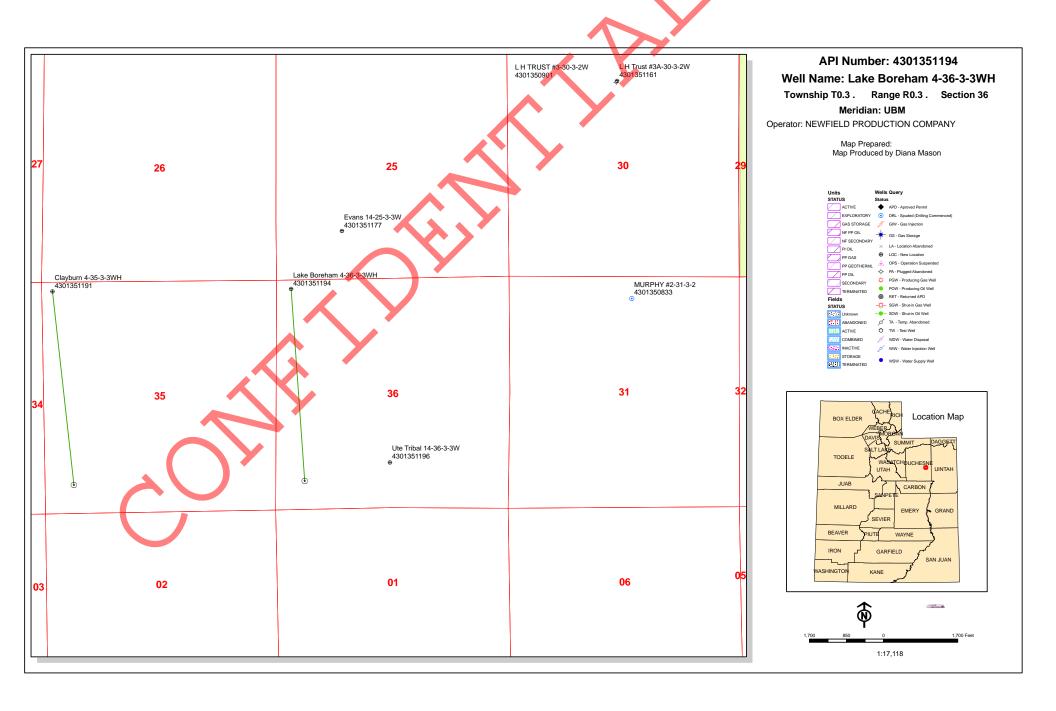












*Max Pressure Allowed @ Previous Casing Shoe=

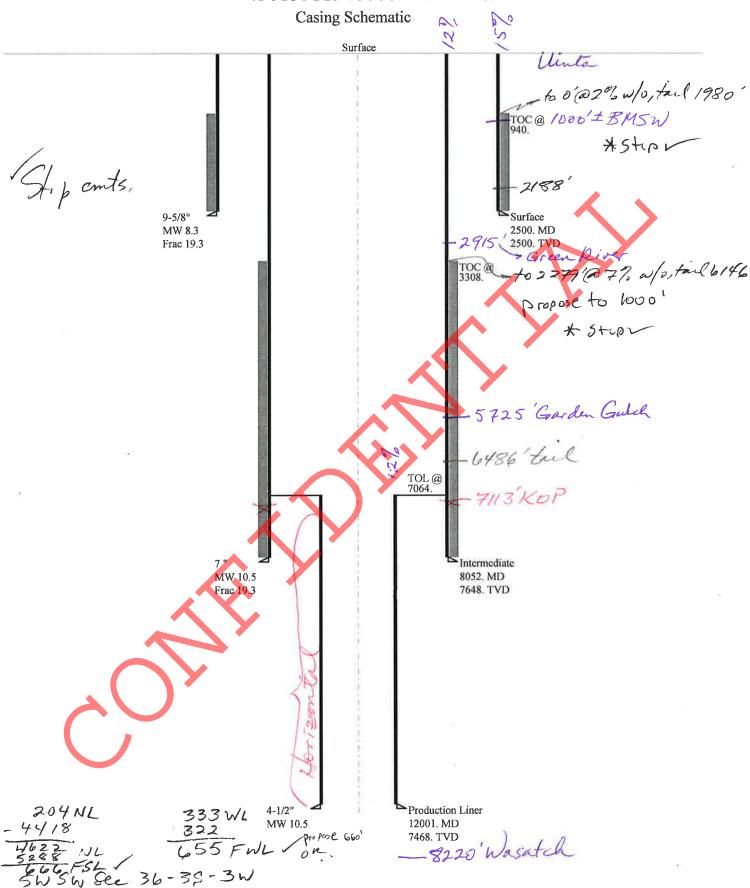
BOPE REVIEW NEWFIELD PRODUCTION COMPANY Lake Boreham 4-36-3-3WH 43013511940000

Well Name	ell Name			NEWFIELD PRODUCTION COMPANY Lake Boreham 4-36-3-3WH 430				
String		COND	SURF	11	PRO	D	Ī	
Casing Size(")		14.000	9.625	7.000	4.50	00	Ī	
Setting Depth (TVD)		60	2500	7648	746	8]	
Previous Shoe Setting Dept	h (TVD)	0	60	2500	764	8	<u> </u>	
Max Mud Weight (ppg)		8.3	8.3	10.5	10.5	5	<u> </u>	
BOPE Proposed (psi)		0	500	5000	500	0	Ī	
Casing Internal Yield (psi)		1000	3520	9950	124	10	Ī	
Operators Max Anticipated	Pressure (psi)	3883			10.0)	Ī	
Calculations		COND Str	ring		1	4.000	"	<u> </u>
Max BHP (psi)		.0	052*Setting D	Depth*MW=	26	_		
					,		BOPE Adeq	uate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BHP-(0.12*Setting Depth)=			19		NO	
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Setti	ing Depth)=	13		NO	
							*Can Full E	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous Sh	noe Depth)=	13		NO	
Required Casing/BOPE Tes	st Pressure=				60		psi	
*Max Pressure Allowed @ 1	Previous Casing	Shoe=			0		psi *Assı	umes 1psi/fr frac gradient
Calculations		SURF Str	ing			9.625	T	
Max BHP (psi)		.0	52*Setting D	Depth*MW=	1079			
							BOPE Adeq	uate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BHP-(0.12*Setting Depth)			77.9		NO	air drill
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Setti	ing Depth)=	529		NO	Reasonable depth
							*Can Full E	Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe		etting Depth	- Previous Sh	ioe Depth)=	542		NO	
Required Casing/BOPE Test Pressure=					2464		psi	
*Max Pressure Allowed @ 1	Previous Casing	Shoe=			60		psi *Assı	umes 1psi/ft frac gradient
Calculations		I1 Strin	ıg	•		7.000	"	
Max BHP (psi)		0.	52*Setting D	epth*MW=	4176			
							BOPE Adeq	uate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)			P-(0.12*Setti		3258		YES	
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Setti	ing Depth)=	2493		YES YES	OK SI
Pressure At Provious Shoo	Max RHD_ 22*/C	etting Danth	- Previous Ch	noe Denth)-		_		Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe Max BHP22*(Setting Depth - Previous Shoe Depth)=					3043		psi	ОК
Required Casing/BOPE Test Pressure= *Max Pressure Allowed @ Previous Casing Shoe=				5000			umes 1psi/ft frac gradient	
Wax 1 ressure Anowed @	revious Casing i	3100-			2500		psi Assi	unies 1981/It frac gradient
Calculations		PROD Sta	ing			4.500	"	
Max BHP (psi)		.0	52*Setting D	Depth*MW=	4078			
MASD (Cos) (psi)		Ma- DI	D (0.12*9	ing Danth				uate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)			P-(0.12*Setti		3182		YES	
MASP (Gas/Mud) (psi)		мах вн	P-(0.22*Setti	ing Depth)=	2435	_	*Con Full F	OK Vynactad Prassura Ra Hald At Pravious Shoo?
Pressure At Previous Shoe	Max RHP- 22*/\$	etting Denth	- Previous Sh	noe Denth)-	,,,,	_		Expected Pressure Be Held At Previous Shoe?
Required Casing/BOPE Tes	betting Deptin - Trevious Silve Deptin)=			4118		yes nsi	I	
Required Casing/DOLE 169	ot 11cosult-				5000		psi	

7648

psi *Assumes 1psi/ft frac gradient

43013511940000 4-36-3-3WH



Well name:

43013511940000 4-36-3-3WH

Operator:

NEWFIELD PRODUCTION COMPANY

String type:

Surface

Project ID: 4301351194

Location:

DUCHESNE COUNTY

> Minimum design factors: **Environment:**

Collapse Collapse:

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Design factor 1.125

H2S considered? Surface temperature:

No 74 °F

109 °F Bottom hole temperature: Temperature gradient:

1.40 °F/100ft 100 ft

Minimum section length:

Burst:

Design factor

1.00

1.80 (J)

1.70 (J)

1.60 (J)

Cement top:

940 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

Design parameters:

2,200 psi 0.120 psi/ft

2,500 psi

Buttress:

Premium:

Neutral point:

8 Round STC:

8 Round LTC:

Tension:

1.50 (J) 1.50 (B) Body yield:

Tension is based on air weight.

2,192 ft

Re subsequent strings:

Non-directional string.

Next setting depth:

7,648 ft Next mud weight: 10.500 ppg 4,172 psi

Next setting BHP: Fracture mud wt: Fracture depth:

19.250 ppg

Injection pressure:

2,500 ft 2,500 psi

Run Seq	Segment Length (ft) 2500	Size (in) 9.625	Nominal Weight (Ibs/ft) 36.00	Grade J-55	End Finish ST&C	True Vert Depth (ft) 2500	Measured Depth (ft) 2500	Drift Diameter (in) 8.796	Est. Cost (\$) 21730
Run Seq	Collapse Load (psi) 1082	Collapse Strength (psi) 2020	Collapse Design Factor 1.867	Burst Load (psi) 2500	Burst Strength (psi) 3520	Burst Design Factor 1.41	Tension Load (kips) 90	Tension Strength (kips) 394	Tension Design Factor 4.38 J



Helen Sadik-Macdonald Div of Oil, Gas & Mining

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

Date: February 16,2012 Salt Lake City, Utah

Collapse is based on a vertical depth of 2500 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.

Well name:

43013511940000 4-36-3-3WH

Operator:

NEWFIELD PRODUCTION COMPANY

String type:

Intermediate

Project ID:

Location:

DUCHESNE COUNTY

4301351194

Design parameters:

Minimum design factors:

Environment:

<u>Collapse</u>

Mud weight: Internal fluid density: 10.500 ppg 1.000 ppg Collapse: Design factor

1.125

H2S considered?
Surface temperature:

No 74 °F

Bottom hole temperature:
Temperature gradient:

: 181 °F 1.40 °F/100ft

Minimum section length:

1.40 °F/100 100 ft

Burst:

Design factor

1.00

1.50 (J)

6,437 ft

Cement top:

3,308 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP 2,489 psi 0.220 psi/ft

4,172 psi

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.70 (J) Buttress: 1.60 (J)

Premium:

Neutral point:

Body yield: 1.50 (B)
Tension is based on air weight.

Directional Info - Build & Hold

Kick-off point 7114 ft
Departure at shoe: 626 ft
Maximum dogleg: 11.32 °/100f

Maximum dogleg: 11.32 °/100ft Inclination at shoe: 92.6 °

Re subsequent strings:

Next setting depth: 7,468 ft
Next mud weight: 10.500 ppg
Next setting BHP: 4,073 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 7,648 ft
Injection pressure: 7,648 psi

Segment Nominal True Vert Measured Drift Est. End Run Length Depth Diameter Cost Weight Finish Depth Size Grade Seq (lbs/ft) (in) (ft) (in) (ft) (ft) (\$) P-110 8052 89546 8052 26.00 Buttress 7648 6.151 1 Collapse Collapse Collapse Burst Burst Burst **Tension Tension Tension** Run Load Strength Design Load Strength Design Load Strength Design Seq Factor **Factor** (kips) (kips) **Factor** (psi) (psi) (psi) (psi) 9950 2.38 198.8 830.4 4.18 B 1 3774 6230 1.651 4172

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining Phone: 801 538-5357 FAX: 801-359-3940 Date: February 16,2012 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7648 ft, a mud weight of 10.5 ppg. An internal gradient of .052 psi/ft was used for collapse from TD Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:

43013511940000 4-36-3-3WH

Operator:

NEWFIELD PRODUCTION COMPANY

String type:

Production Liner

Project ID: 4301351194

Location:

DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 10.500 ppg Design is based on evacuated pipe.

Minimum design factors: Collapse:

Design factor

1.125

Environment: H2S considered?

No Surface temperature: 74 °F Bottom hole temperature: 179 °F

Temperature gradient: 1.40 °F/100ft Minimum section length: 1,000 ft

Burst:

Design factor

1.00

Liner top: 7,064 ft

Directional Info - Build & Hold

Kick-off point 7114 ft Departure at shoe: 4430 ft Maximum dogleg: 11.32 °/100ft

Inclination at shoe:

92.6°

Burst

Max anticipated surface

pressure: Internal gradient: 2,430 psi 0.220 psi/ft

Calculated BHP

4,073 psi

No backup mud specified.

Tension: 8 Round STC:

8 Round LTC: Buttress:

Premium:

Body yield:

1.60 (J) 1.50 (J) 1.60 (B)

1.80 (J)

1.80 (J)

Tension is based on air weight. Neutral point: 7,431 ft

Run Segment Nominal End rue Vert Seq Lenath Size Weight Grade **Finish** (lbs/ft) (ft) (in) P-110 4901 13.50 Buttress 1 4.5 Burst Collapse Collapse Burst **Burst** Run Collapse Strength Design Load Strength Design Load Seq Factor (psi) **Factor** (psi) (psi) (psi) 1 4073 10680 2.622 4114 12410 3.02

Depth (ft) 7468

(ft) 12001 **Tension**

Load

(kips)

5

Measured

Depth

3.795 **Tension** Strength

(kips)

421.9

Drift

Diameter

(in)

Tension Design Factor 84.94 B

Est.

Cost

(\$)

29403

Prepared

Helen Sadik-Macdonald Div of Oil Gas & Mining

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

Date: February 16,2012 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 7468 ft, a mud weight of 10.5 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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY

Well Name Lake Boreham 4-36-3-3WH

API Number 43013511940000 APD No 5250 Field/Unit WILDCAT

Location: 1/4,1/4 NWNW Sec 36 Tw 3.0S Rng 3.0W 204 FNL 333 FWL

GPS Coord (UTM) 569856 4448639 Surface Owner Michael M. & Suzanne H. Evans

Participants

T. Eaton, F. Bird, Z. Mc Intyre- Newfield; C. Jensen, DOGM; L. Evans- Landowners representative

Regional/Local Setting & Topography

The propsed location is on a rolling knoll above the north shores of Lake Boreham below. Parts of the south boundary of the pad are in cut but, the western portions of the south side are in fill. The cultivated land has been left fallow for many years and is overgrown with weeds. The Duchesne River, Zimmerman Canal, laterals and ditches are found within a short distance of the pad.

Surface Use Plan

Current Surface Use

Agricultural

New Road
Miles

Well Pad

Src Const Material Surface Formation

0.216 Width 300 Length 400 Onsite DUCHR

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

fallow farm ground over grown by halogeton, russian thistle and mustard spp.

Wildlife;

prairie dog colony mounds observed on location

Soil Type and Characteristics

sandy loam with scattered angular clasts

Erosion Issues Y

location is just north of and above the immediate banks of Lake boreham

Sedimentation Issues Y

proximity to lake Boreham

Site Stability Issues N

2/29/2012 Page 1

Drainage Diverson Required? Y

where needed to protect slopes and prevent rilling/gullying

Berm Required? Y

Berm around entire pad

Erosion Sedimentation Control Required? Y

berm required to protect lake below. Because of proximity to lake and angular clastic stones in the soil. Pit is to be lined and protected from puncture with felt

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)		20				
Dist. Nearest Municipal Well (ft)	>5280	0				
Distance to Other Wells (feet)	300 to 1320	10				
Native Soil Type	Mod permeability	10				
Fluid Type	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	80	1 Sensitivity Level			

Characteristics / Requirements

pit to be constructed 60 x 100' dug to a depth of 8 feet minimum. This is a horizontal well and very near the shores of lake Boreham. The pit is to be lined and a felt underlinement used to prevent puncture from angular clasts present in soils

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

Other Observations / Comments

Operator and surface owner have agreed to take precaution not to disturb crossings and buried irrigation lines prevalent ons ite and near access road. Verbal agreements were made to try to maintain a 25 seperation from these features.

> Chris Jensen 2/2/2012 **Evaluator** Date / Time

2/29/2012 Page 2

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 1

APD No API WellNo Status Well Type Surf Owner CBM
5250 43013511940000 LOCKED OW P No

Operator NEWFIELD PRODUCTION COMPANY Surface Michael M. & Suzanne

Owner-APD H. Evans

Well Name Lake Boreham 4-36-3-3WH Unit

Field WILDCAT Type of Work DRILL

Location NWNW 36 3S 3W U 204 FNL 333 FWL GPS Coord

(UTM) 569845E 4448634N

Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 1,000'. Air and or fresh water will be used to drill the entire surface hole. A search of Division of Water Rights records shows 14 water wells within a 10,000 foot radius of the center of Section 36. Depth is listed as ranging from 10 to 400 feet. Depths are not listed for 3 wells. Water use is listed as irrigation, stock watering and domestic use. Thenearest well is approximately 3/4 mile from the proposed location. This well is listed as 300 feet in depth. The surface formation at this site is the Uinta Formation. Wells in this area likely produce water from either the Uinta Formation or from near-surface alluvium. 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**

2/8/2012 **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. This location has been chosen as far away from the lake as lease and spacing will allow.

The soil type and topography at present DO combine to pose a significant threat to erosion or sediment/pollution transport in these regional climate conditions particularly, with the shores of the lake in mind. Construction standards of the Operator appear to be adequate for the proposed purpose. Discussions were also had about the care and construction needs for the berming on the south side of the pad to prevent gullying and rilling of the slopes adjacent the shores of the lake. Operator also agreed to place tank farm and treaters 15' away from pad boundry so to facilitate proper placement and future maintenance of the berm.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and his representative was in attendance for the pre-site inspection with comments noted above. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. Operator noted that a closed loop drilling system may be warranted though I am not stipulating as a condition of approval.

Chris Jensen
Onsite Evaluator

2/2/2012 **Date / Time**

RECEIVED: February 29, 2012

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 2

Conditions of Approval / Application for Permit to Drill

Category

Condition

A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

Surface

The well site shall be bermed to prevent fluids from leaving the pad. Particular care to be taken on the south side to prevent rilling and gullying to the slopes disturbed to the shores of the lake. Berm should not be broken or comprimised in any way as this is the tank farm and treater side.

Surface

The reserve pit shall be fenced upon completion of drilling operations.

Drainages adjacent to the proposed pad shall be diverted around the location.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/26/2012 API NO. ASSIGNED: 43013511940000

WELL NAME: Lake Boreham 4-36-3-3WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) PHONE NUMBER: 435 719-2018

Permit Tech Review:

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 36 030S 030W

SURFACE: 0204 FNL 0333 FWL **Engineering Review:**

BOTTOM: 0660 FSL 0660 FWL Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.18519 LONGITUDE: -110.17955 **UTM SURF EASTINGS: 569845.00** NORTHINGS: 4448634.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Patented PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED: LOCATION AND SITING: ✓ PLAT R649-2-3. Bond: STATE - B001834 Unit: **Potash** R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: R649-3-2.6 Water Permit: 437478 RDCC Review: 2012-02-22 00:00:00.0 **Effective Date:** Fee Surface Agreement Siting: Intent to Commingle R649-3-11. Directional Drill Commingling Approved

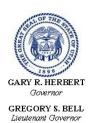
Comments: Presite Completed TEMP 640 ACRE SPACING:

Stipulations: 5 - Statement of Basis - bhill

12 - Cement Volume (3) - hmacdonald

21 - RDCC - dmason 23 - Spacing - dmason 25 - Surface Casing - ddoucet 26 - Temporary Spacing - bhill 27 - Other - bhill

API Well No: 43013511940000



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: Lake Boreham 4-36-3-3WH

API Well Number: 43013511940000

Lease Number: Patented

Surface Owner: FEE (PRIVATE) **Approval Date:** 2/29/2012

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 R649-3-2.6. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

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:

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.

API Well No: 43013511940000

A temporary 640 acre spacing unit is hereby established in Section 36, Township 3 S, Range 3 W, USM for the drilling of this well (R649-3-2.6). No other horizontal wells may be drilled in this section unless approved by the Board of Oil, Gas and Mining.

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.

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

Additional Approvals:

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

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

Notification Requirements:

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

• Within 24 hours following the spudding of the well contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

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

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

API Well No: 43013511940000

Reporting Requirements:

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

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

Approved By:

For John Rogers Associate Director, Oil & Gas



BLM - Vernal Field Office - Notification Form

perator Newfield Exploration Rig Name/# Ross 28 Submitted Branden Arnold Phone Number 435-401-0223 Vell Name/Number Lake Boreham 4-36-3-3WH Otr/Qtr NW/NW Section 36 Township 3S Range 3W ease Serial Number PI Number 43-013-51194
<u>pud Notice</u> — Spud is the initial spudding of the well, not drilling ut below a casing string.
Date/Time <u>3/8/12</u> <u>9:00</u> AM ⊠ PM □
asing – Please report time casing run starts, not cementing mes. Surface Casing Intermediate Casing Production Casing Liner Other
Date/Time <u>3/8/12</u> <u>3:00</u> AM ☐ PM ⊠
OPE Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other Date/Time AM PM
emarks

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

OPERATOR ACCT. NO. N2695

CODE	CURRENT ENTITY NO	NEW	API NUMBER	WELL NAME						SPUD	EFFECTIV
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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)

Signature

Jentri Park

Production Clerk

03/16/12

OPERATOR: NEWFIELD PRODUCTION COMPANY

OPERATOR ACCT. NO. N2695

ADDRESS: RT. 3 BOX 3630 MYTON, UT 84052

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A			4301351130	STATE 4-19-3-2WH	NWNW	19	38	2W	DUCHESNE		3/2/12
	99999	19465		STATE 4-19-3-2WH	NWNW	19	38	2W	<u> </u>	A EL MANAGE	3R(112
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GR	99999	HL-SI NEW	weu	WELL NAME	QQ	WE SC	LL LOCAT TP	ION RG	COUNTY	SPUD DATE	EFFECTIVE DATE
GR	99999	HL-SI NEW	weu			WE SC	LL LOCAT	ION	Comme	SPUD	EFFECTIVE
ACTION CODE	99999 CRV P CURRENT ENTITY NO	HL SI NEW ENTITYNO	API NUMBER	WELL NAME	QQ	WE SC	LL LOCAT TP	ION RG	COUNTY	SPUD DATE	EFFECTIVE DATE
ACTION CODE	99999 CRV P CURRENT ENTITY NO	HL-SI NEW ENTITYNO	API NUMBER 4301351194	WELL NAME	QQ	WE SC	LL LOCAT TP	ION RG	COUNTY	SPUD DATE 3/8/2012	EFFECTIVE DATE
ACTION CODE	99999 CRV P CURRENT ENTITY NO	HL-SI NEW ENTITYNO	API NUMBER	WELL NAME LAKE BOREHAM 4-36-3-3WH	ga NWNW	SC 36	LL LOCAT TP	ION RG	COUNTY	SPUD DATE 3/8/2012	EFFECTIVE DATE
ACTION C	99999 CURRENT ENTITY NO 99999 CRRV CODES (See instructions on be	HL-SI NEW ENTITYNO IGHUY SHL Sck of form)	API NUMBER 4301351194	WELL NAME LAKE BOREHAM 4-36-3-3WH	QQ	SC 36	LL LOCAT TP	ION RG	COUNTY	SPUD DATE 3/8/2012	EFFECTIVE DATE
ACTION C	99999 CURRENT ENTITY NO 99999 CRRV CODES (See instructions on be new antity for new well (single)	NEW ENTITY NO IGH Of SHL Cock of form) well only)	API NUMBER 4301351194	LAKE BOREHAM 4-36-3-3WH	NWNW	36	LL LOCAT TP	ION RG	COUNTY	SPUD DATE 3/8/2012	EFFECTIVE DATE
ACTION CODE ACTION CODE ACTION CODE	99999 CURRENT ENTITY NO 99999 CORRY CODES (See instructions on be new entity for new well (single will to existing entity (group or from one existing entity to another or not existing entity to another or not exist the entity to another entit	NEW ENTITY NO IGH OF Well of form) well only) rund well) her existing endty	API NUMBER 4301351194	LAKE BOREHAM 4-36-3-3WH	NWNW	36	LL LOCAT TP	ION RG	COUNTY	SPUD DATE 3/8/2012	EFFECTIVE DATE
ACTION CODE ACTION CODE ACTION CODE	99999 CURRENT ENTITY NO 99999 CORRENT ENTITY NO ODDES (See instructions on barnew entity for new well (single well to existing entity (group or	NEW ENTITY NO IGH OF Well only or unit well) and well only or unit well) and well only or unit well) and well only on one existing on the control of the	API NUMBER 4301351194	LAKE BOREHAM 4-36-3-3WH	ga NWNW	36	LL LOCAT TP	ION RG	COUNTY	SPUD DATE 3/8/2012	EFFECTIVE DATE

Div. of Cil. Gas & Mining

STATE OF UTAH

(This space for State use only)

	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE						
SUNDRY	NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for proposals to dril wells, or to drill horizonta	ll new wells, significantly deepen existing wells be il laterals. Use APPLICATION FOR PERMIT TO	low current bottom-hole depth, reenter DRILL form for such proposals.	plugged 7. UNIT or CA AGREEMENT NAME: UINTA CB -BASAL CARB				
1. TYPE OF WELL: OIL WELL	OIL WELL GAS WELL OTHER						
2. NAME OF OPERATOR:			9. API NUMBER:				
NEWFIELD PRODUCTION COM	PANY		4301351194				
3. ADDRESS OF OPERATOR:	T Im	PHONE NUMBER	•				
Route 3 Box 3630 4. LOCATION OF WELL:	CITY Myton STATE UT	ZIP 84052 435.646.3721	UINTA CENTRAL BASIN				
FOOTAGES AT SURFACE:			COUNTY: DUCHESNE				
OTR/OTR, SECTION, TOWNSHIP, RANGE, I	MERIDIAN: NWNW, 36, T3S, R3W		STATE: UT				
11. CHECK APPROP	RIATE BOXES TO INDICATE		E, REPORT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACT	ION				
☐ NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION				
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL				
Approximate date work will	CASING REPAIR	NEW CONSTRUCTION	TEMPORARITLY ABANDON				
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR				
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLAIR				
X SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL				
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)	WATER SHUT-OFF				
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER: - Spud Notice				
03/12/2012	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FO	RMATION				
12 PERCENTE PROPOSED ON CO.	MPLETED OPERATIONS. Clearly show a	Il nortinant datails insluding date	donthe volumes atc				
On 3/8/12 MIRU Ross #26.	Spud well @10:00 AM. Drill 62' of as of class "G" w/ 2% CaCL2 + 0.25	17 1/2" hole with air mist. T	H W/ 2 Jt's 14" H-40 36# csgn. Set @ 80. On 15.8ppg w/ 1.17ft3/sk yield. Returned 12				
Brandan Arnald	1	कारण छ					
NAME (PLEASE PRINT) Branden Arnold	11	TITLE					
SIGNATURE Survey	KLOV	DATE 03/26/20	012				
	· ·	<u></u>					

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APR 0 3 2012

Casing / Liner Detail

Well	La	ake B	oreha	am 4-3	36-3-3	WH				
Prospect	C	entra	l Basi	in						
Foreman Run Date:										
String Typ	e C	ondu	ctor,	14", 3	6#, H-	40, W (Welde	ed)			
						- Detai	l From Top To I	Bottom -		
Depth Length JTS			s		Desc	ription	OD	ID		
			L							
18.0	00	62.	00	2	1	4" Conductor			14.000	
80.	00				K	В				
							Cement Detail			
ement C	ompany:	: BJ								
Slurry	# of Sa	cks \	Veight	(ppg)	Yield	Volume (ft3)		Description - Slurry Class and Additive	es	
Slurry 1	100		15.	8	1.17	117	Class G+2%kcl+.25	#CF		
tab-In-Jol	h?				No			Cement To Surface?	Ye	e
HT:			\neg		0			Est. Top of Cement:	0	·
itial Circu	lation Pr	essure):					Plugs Bumped?	No	
itial Circu	lation Ra	 ate:						Pressure Plugs Bumped:		
inal Circu	lation Pre	essure	:					Floats Holding?	No)
inal Circu	lation Ra	te:						Casing Stuck On / Off Bottom?	No)
isplacem	ent Fluid:	:		N	ater			Casing Reciprocated?	No)
isplaceme	ent Rate:							Casing Rotated?	No)
isplaceme	ent Volun	ne:			4.6			CIP:	13:5	50
lud Returi	ns:							Casing Wt Prior To Cement:		
entralizer	Type An	d Plac	ement	:				Casing Weight Set On Slips:		



STATE OF UTAH

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING	r	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDRY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current botto wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for	m-hole denth, reenter plugged	7. UNIT or CA AGREEMENT NAME: UINTA CB -BASAL CARB
1 TYPE OF WELL:	such proposals.	8. WELL NAME and NUMBER:
OIL WELL GAS WELL OTHER		LAKE BOREHAM 4-36-3-3WH
2. NAME OF OPERATOR:		9. API NUMBER:
NEWFIELD PRODUCTION COMPANY		4301351194
3. ADDRESS OF OPERATOR:	PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	435.646.3721	UINTA CENTRAL BASIN
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0 3 0 4 FNL 0 3.33 FWL OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 36, T3S, R3W		COUNTY: DUCHESNE
NWNW, 30, 135, K3W		STATE: UT
11. CHECK APPROPRIATE BOXES TO INDICATE NATURAL	OF NOTICE, REPOI	RT, OR OTHER DATA
THE OF CLIP MCCION	YPE OF ACTION	,
Б	TIE OF ACTION	
□ NOTICE OF INTENT		REPERFORATE CURRENT FORMATION
	E TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will CASING REPAIR INEW COL	STRUCTION	TEMPORARITLY ABANDON
CHANGE TO PREVIOUS PLANS OPERATO	R CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AT	D ABANDON	VENT OR FLAIR
X SUBSEOUENT REPORT CHANGE WELL NAME PLUG BA	CK	WATER DISPOSAL
(Submit Original Form Only) CHANGE WELL STATUS PRODUC	TION (START/STOP)	WATER SHUT-OFF
Date of Work Completion:	ATION OF WELL SITE	X OTHER: - Spud Notice
03/12/2012		X Office Spile Notice
	LETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent de On 3/8/12 MIRU Ross #26. Spud well @10:00 AM. Drill 62' of 17 1/2" hole 3/12/12 cement with 100 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello-I barrels cement to pit. WOC.	with air mist. TIH W/ 2 Jt'	s 14" H-40 36# csan. Set @ 80 On
NAME (PLEASE PRINT) Branden Arnold SIGNATURE Beach HO	TITLE	

(This space for State use only)

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MAY 2 4 2012

Page 1 of 1

Carol Daniels - Newfield - Lake Boreham 3-36-3-3WH - API #43013511940000

3W

36

From:

"Pioneer 62" <den pio62@nfxrig.com>

To:

<dennisingram@utah.gov>, <danjarvis@utah.gov>, <chrisjensen@utah.gov>, <...</pre>

Date:

6/4/2012 7:12 AM

Subject: Newfield - Lake Boreham 2-36-3-3WH - API #43013511940000

CC:

<jaslakson@newfield.com>

Please be advised that we have TD'd the intermediate section of the subject well @ 8,750' MD 8,175'TVD. TD date was Sunday June 3rd. We are currently laying down drill pipe. Plans are to log and begin running 7" casing tonight (June 4th). Finish running casing and cementing tomorrow June 5th. If you have any questions please don't hesitate to call @ 970-812-0581.

Regards, D. Reeder **Newfield Drilling Foreman**

> RECEIVED JUN 05 2012 DIV. OF OIL, GAS & MINING

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: Patented
SUNDR	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: Lake Boreham 4-36-3-3WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO		9. API NUMBER: 43013511940000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0204 FNL 0333 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 36 Township: 03.0S Range: 03.0W Meri	dian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Newfield Product extend the TD of the MD to the reques previously appro	COMPLETED OPERATIONS. Clearly show altion Company respectfully recher referenced well from from sted 12,645′ MD and also prooved un-cemented approval i	quests permission to the approved 12,001' poses to cement the ling of the well has	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Depths, volumes, etc. Approved by the Utah Division of Oil, Gas and Mining Date: July 12, 2012 By:
NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBE 435 719-2018	R TITLE Permitting Agent	
SIGNATURE N/A		DATE 6/19/2012	



June 21, 2012

Manuel Myore Ute Indian Tribe Energy Minerals Dept. P.O. Box 70 Fort Duchesne, UT 84026

Re:

Exception Location

Lake Boreham 4-36-3-3WH Duchesne County, Utah

Dear Mr. Myore:

In accordance with the Exploration & Development Agreement dated September 27, 2010 among the Ute Indian Tribe, Newfield Production Company and the Ute Distribution Corporation, please be advised that Newfield is requesting approval from the Utah Division of Oil, Gas & Mining for the following well:

Lake Boreham 4-36-3-3WH T3S R3W, Section 36 Ending bottom hole location 510' FSL 660' FWL Duchesne County, Utah

The location of this well is closer than 660' to the spacing unit boundary as required by State of Utah Rule R649-3-2. It has been extended 150' beyond the permitted limit to provide space for the float shoe, float collar and liner collar for cementing the lateral liner. Therefore, it is necessary to obtain your written concurrence with this exception location as an affected party.

Enclosed you will find plats showing the location of the above referenced well. If you are in agreement to this location, please verify your consent by signing and dating where indicated on page two of this letter and return to my attention as soon as possible. You may mail your consent to the letterhead address, fax to 303-685-8098 or email to awild@newfield.com.

If you have any questions or need further information, please do not hesitate to contact me at 303-383-4137 or by email at awild@newfield.com. I appreciate your prompt attention to this matter.

Sincerely,

Alan D. Wild Land Associate

Return to:

Newfield Production Company

ATTN: Alan Wild

1001 17th Street, Suite 2000

Denver, CO 80202

303-685-8098 fax

awild@newfield.com email

Re:

Exception Location

Lake Boreham 4-36-3-3WH

T3S R3W, Section 36

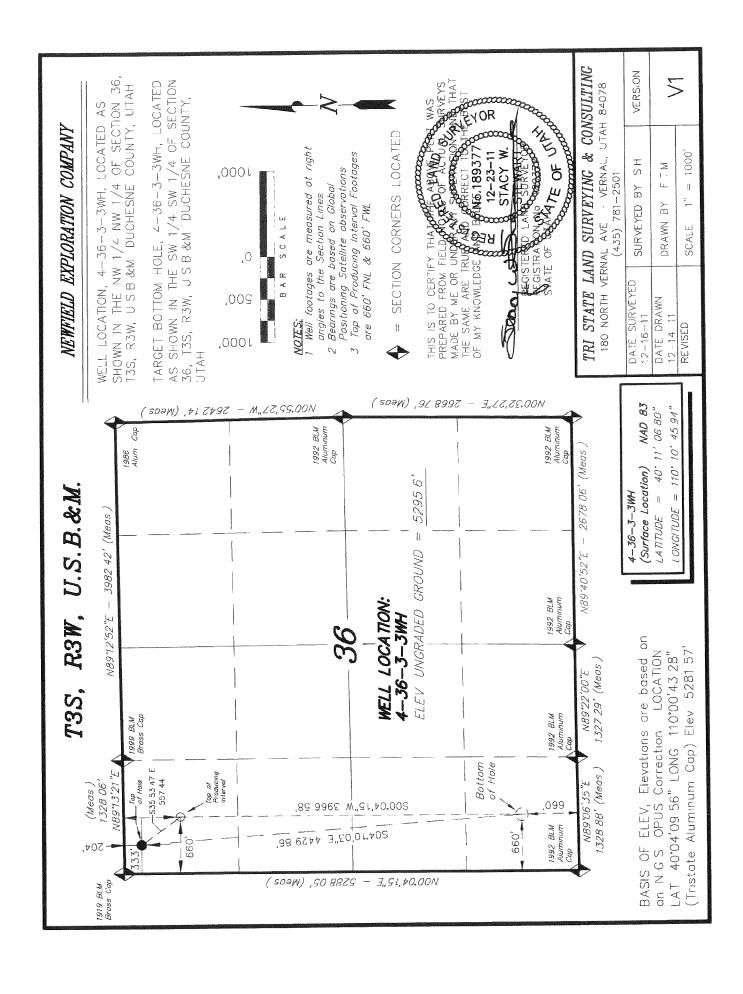
Ending bottom hole location 510' FSL 660' FWL

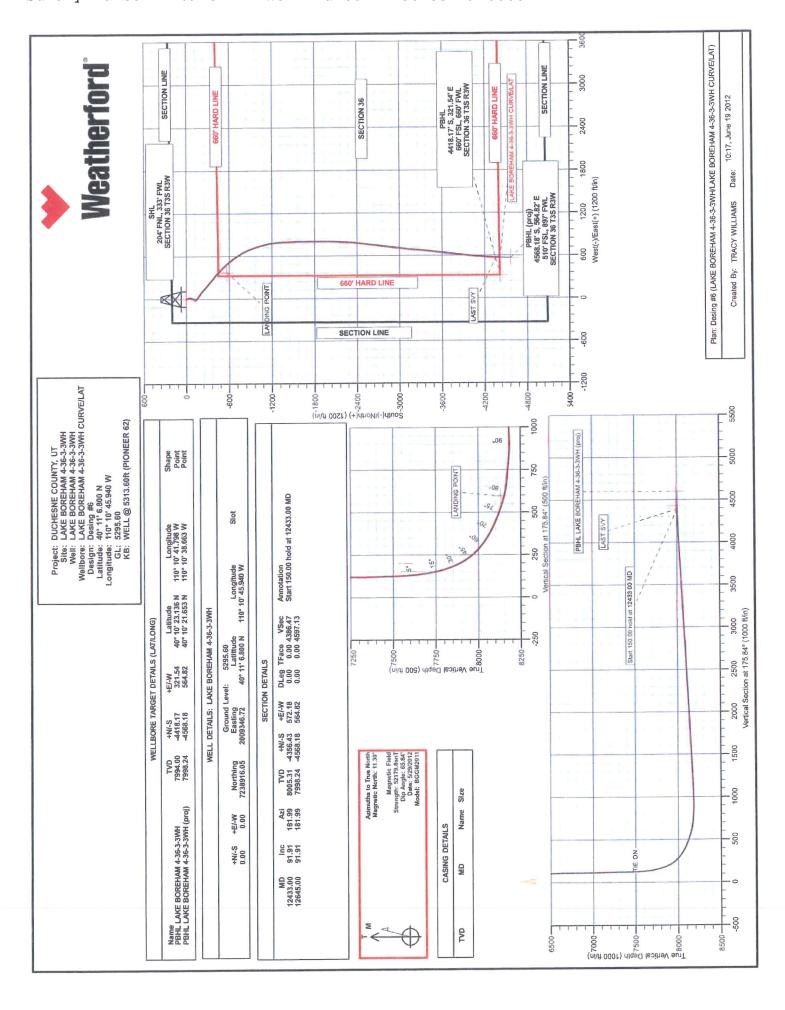
Duchesne County, Utah

Please be advised The Ute Indian Tribe does not have an objection to the proposed location of the aforementioned well.

Dring Name and Title

Date: 6/21/0(2





	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: Patented
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal I n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: LAKE BOREHAM 4-36-3-3WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013511940000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 200		NE NUMBER: 3 382-4443 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0204 FNL 0333 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 36 Township: 03.0S Range: 03.0W Meridiar	n: U	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
During an anticipa Kinder Morgan w Newfield Productio requirements, venting/flaring for w	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF	n of October 2012, oduced from 43 of liance with UDOGM on of short term CF/calendar month.	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: VENT/FLARE Tepths, volumes, etc. Approved by the Utah Division of Oil, Gas and Mining Date: September 25, 2012 By:
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
Jill L Loyle SIGNATURE	303 383-4135	Regulatory Technician DATE	
N/A		9/24/2012	



September 21, 2012

Dustin Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Gas Venting or Flaring Notification per R649-3-20

Dear Mr. Doucet,

Newfield Production Company (Newfield) is submitting this notification to the Utah Division of Oil, Gas and Mining (UDOGM) regarding the necessary venting or flaring of oil wells in Newfield's Central Basin field.

Kinder Morgan Pipeline has notified Newfield of their intent to test portions of a pipeline system that services 43 of Newfield's oil wells. During an anticipated 10 day period in the month of October 2012, Kinder Morgan will be unable to receive gas produced from certain Newfield wells. Newfield has evaluated options for marketing this gas, however due to the short duration of this event it is not feasible to install the new pipelines necessary to sell the gas. Thus Newfield will be compelled to conduct unavoidable oil well gas venting or flaring during this pipeline service period.

In compliance with UDOGM requirements Newfield is hereby providing notification of short term venting/flaring for wells that may exceed 1,800 MCF/calendar month. Newfield has identified 7 wells that will potentially exceed the 1,800 MCF/calendar month threshold assuming a 10 day event. While 7 wells are expected to exceed the 1,800 MCF limitations, there are an additional 36 affected wells that have lower production rates not anticipated to exceed the 1,800 MCF notification threshold.

Newfield intends to flare (rather than vent) the produced gas where feasible in order to minimize impacts to the environment and provide for safe operational conditions. Newfield plans to reroute the gas through lateral pipelines to 4 separate central flaring sites. These flare locations are listed below.

At this time Newfield is proposing the following flare locations based on lateral pipeline connections and surrounding landscape safety:

- 1. Evans 14-25-3-3
- 2. State 11-5-3-1
- 3. Ute 7-19-3-3
- 4. Mullins 11-14-3-2

The final location and application of flares may change as KM provides additional information concerning the event.

Enclosed please find sundry notices for the seven wells anticipated to exceed the 1,800 MCF threshold and supporting documentation including a list of wells impacted by the Kinder Morgan pipeline shutdown and total anticipated produced gas that will be flared or vented. If you have any questions or require additional information, please contact me at (303) 893-0102 or at reales@newfield.com.

Sincerely,

Robert Eales HSE Analyst

ec: Tim Mullen, Eric Bengtson, Rick Opat, Don Bromley and Douglas Henderer

Newfield Affected Wells by Kinder Morgan Pipeline Shutdown							
		Average	Anticipated				
	API	Daily Gas	10 Day				
Well	Number	Production	Total	Flare Group/Site			
		(mcf/day)	(MCF)				
DART 1-12-3-2	43-013-50418	13.28		State 11-5-3-1W			
EMERALD PHNX 15-31-2-1W	43-013-51290	141.51	1415.10	State 11-5-3-1W			
LAMB 1-19-3-1W	43-013-50425	150.88	1508.80	State 11-5-3-1W			
LAMB 14-13-3-2	43-013-50849	13.98	139.80	State 11-5-3-1W			
LAMB 9-24-3-2	43-013-50923	30.46	304.60	State 11-5-3-1W			
STATE 11-5-3-1W	43-013-51043	55.62	556.20	State 11-5-3-1W			
TOMLIN 7-1-3-2W	43-013-51081	47.62	476.20	State 11-5-3-1W			
WHITE 7-6-3-1W	43-013-50813	28.64	286.40	State 11-5-3-1W			
YERGENSEN 1-18-3-1W	43-013-50428	79.81	798.10	State 11-5-3-1W			
YERGENSEN 7-7-3-1W	43-013-50985	30.40	304.00	State 11-5-3-1W			
ABBOTT 3-29-3-2W	43-013-50873	24.35	243.50	Evans 14-25-3-3			
BAR F 1-20-3-2	43-013-50009	52.98	529.80	Evans 14-25-3-3			
CONNOLLY 10-24-3-3W	43-013-51145	134.92	1349.20	Evans 14-25-3-3			
EVANS 14-25-3-3W	43-013-51177	34.31	343.10	Evans 14-25-3-3			
GILES 1-19-3-2	43-013-50426	93.45	934.50	Evans 14-25-3-3			
LAKE BOREHAM 4-36-3-3WH	43-013-51194	718.03	7180.30	Evans 14-25-3-3			
LARSEN 2-29-3-2WH	43-013-51224	541.03	5410.30	Evans 14-25-3-3			
LH TRUST 3A-30-3-2W	43-013-50901	93.38	933.80	Evans 14-25-3-3			
MURPHY 2-31-3-2W	43-013-50833	26.68	266.80	Evans 14-25-3-3			
SULSER 10-30-3-2W	43-013-51387	135.96	1359.60	Evans 14-25-3-3			
State 4-19-3-2	43-013-51130	160.00	1600.00	Evans 14-25-3-3			
ODEKIRK 11-12-3-3W	43-013-51054	271.69	2716.90	Mullins 11-14-3-2			
THORNE 4-21-3-2WH	43-013-51067	454.96	4549.60	Mullins 11-14-3-2			
LUSTY 14-2-3-3W	43-013-51370	171.30	1713.00	Mullins 11-14-3-2			
PADILLA 1-18-3-2W	43-013-50786	87.82	878.20	Mullins 11-14-3-2			
DILLMAN 10-17-3-2W	43-013-50995	134.48	1344.80	Mullins 11-14-3-2			
MILES 15-8-3-2W	43-013-50814	268.20	2682.00	Mullins 11-14-3-2			
MULLINS 11-14-3-2W	43-013-51044	117.70	1177.00	Mullins 11-14-3-2			
GDR Brothers 7-2-3-2W	43-013-50954	100.00	1000.00	Mullins 11-14-3-2			
NICKERSON 6-28-3-2W	43-013-51006	69.10	691.00	Mullins 11-14-3-2			
DILLMAN 5-2-3-1W	43-047-52244	57.80	578.00	Mullins 11-14-3-2			
ALZADA 11-21-3-2W	43-013-51068	94.03	940.30	Mullins 11-14-3-2			
CONRAD 6-17-3-1	43-013-50857	45.20	452.00	Mullins 11-14-3-2			
LAMB 12-20-3-1W	43-013-50858	41.20	412.00	Mullins 11-14-3-2			
SMALLEY 7-8-3-1W	43-013-50822	45.11	451.10	Mullins 11-14-3-2			
YERGENSEN 1-9-3-1	43-013-50427	33.50	335.00	Mullins 11-14-3-2			
KILLIAN 14-3-3-1W	43-013-50945	52.70	527.00	Mullins 11-14-3-2			
STATE 6-4-3-1W	43-013-50691	36.93	369.30	Mullins 11-14-3-2			
KETTLE 1-10-3-1	43-013-50396	109.78	1097.80	Mullins 11-14-3-2			
EVANS 1-4-3-3	43-013-50561	28.71	287.10	Ute 7-19-3-3			
GILBERT 9-9-3-3W	43-013-50955	246.98	2469.80	Ute 7-19-3-3			
GRACE 3-16-3-3WH	43-013-51185	149.26	1492.60	Ute 7-19-3-3			
McKenna 1-17-3-3WH	43-013-51122	600.00	6000.00	Ute 7-19-3-3			
		Total	58,237				

RECEIVED: Sep. 24, 2012

			FORM 9			
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	S				
	DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: Patented			
SUNDF	RY NOTICES AND REPORTS C	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: LAKE BOREHAM 4-36-3-3WH			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013511940000			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT		PHONE NUMBER:	9. FIELD and POOL or WILDCAT: WILDCAT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0204 FNL 0333 FWL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 36 Township: 03.0S Range: 03.0W Merio	dian: U	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
10/16/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT	DEEPEN [FRACTURE TREAT	☐ NEW CONSTRUCTION			
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
			WATER DISPOSAL			
	TUBING REPAIR	VENT OR FLARE				
DRILLING REPORT Report Date:	WATER SHUTOFF	□ SI TA STATUS EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER: Spill			
NAME (PLEASE PRINT) Tim Eaton	PHONE NUMBE 465 646-4858	R TITLE Regulatory Tech				
SIGNATURE N/A		DATE 10/25/2012				

October 17, 2012

Tim Eaton Newfield Exploration Route 3 Box 3630 Myton, Utah 54052

Dear Mr. Eaton.

On October 17, 2012, Montgomery Archaeological Consultants, Inc (MOAC) was notified by Mr. Tim Eaton of Newfield Exploration in Myton, Utah of an oil spill associated with the 4-36-3-3 well location. This well location, on private lands, is situated along the north side of Lake Boreham (42Dc3084) in Township 3 South, Range 3 West, Section 36 (Figure 1). The spill spread southeast from the well infringing on Ute Tribal lands (Uintah and Ouray Agency). A previous archaeological inventory, which encompasses the affected area, was conducted in 2011 by MOAC for the North Myton and South Myton Benches Block Survey (Ackman 2012). Lake Boreham (42Dc3084), constructed by the Civilian Conservation Corp (CCC) in the 1930s, has been evaluated as eligible to the National Register of Historic Places (NRHP) under Criteria A and C. The Midview Ditch (42Dc3029) was not affected by the spill.

Amy Ackman (MOAC Field Supervisor) inspected the affected area to assess potential impacts to site 42Dc3084 on October 17, 2012. It was observed that the oil spill had settled approximately 1000 ft (east-west) along the north-central shoreline of Lake Boreham. No previously documented structural features such as the dam (Feature B), gravel/cobble dike (Feature E) or spillway (Feature F) were affected by the spill. The area in which the spill is located is basically an earthen shoreline. The oil spill is surficial (e.g. oil spray), hence it is not considered an "adverse effect" because the archaeological site is not significantly altered or destroyed (Federal Register 36 800.5). It is recommended that the shoreline be restored to its original condition after the oil is cleaned-up.

If you have any questions or comments, please call or email me. We appreciate this opportunity to provide archaeological consulting services.

Sincerely,

Keith R. Montgomery Principal Investigator kmontgomery@montarch.com

Reference: Cultural Resource Inventory of Newfield Exploration's North Myton Bench and South Myton Bench Block Surveys (T3S, R1W; T3S, R2W; T3S, R3W; T3S, R4W; T4S, R2W), Duchesne and Uintah Counties, Utah. Montgomery Archaeological Consultants. Project No. U-11-MQ-1027i,p.

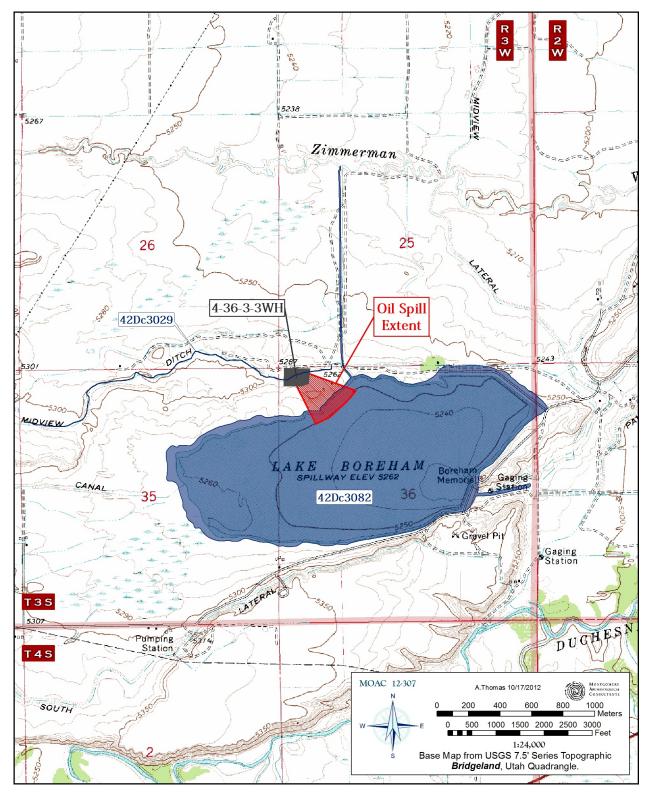


Figure 1. Location of Newfield Exploration's 4-36-3-3WH Oil Spill and Site 42Dc3082.



Vernal Office 2028 West 500 North Vernal, Utah 84078 Tel 435.789.9388 Fax 435.789.9385 www.swca.com

October 22, 2012

Newfield Production Company 10530 South County Road 33 Myton, Utah 84052

RE: Lake Boreham 4-36-3-3WH Release of Material - Paleontological Inspection

Dear Mr. Eaton,

On October 17, 2012, SWCA Environmental Consultants was called out to the Lake Boreham area, approximately 3.5 miles northeast of Bridgeland and 6 miles west of Myton, after a release of material occurred on well pad Lake Boreham 4-36-3-3WH. Paleontological specialist Justin Strauss was asked by the Ute Tribe to inspect the north-eastern shore of Lake Boreham for potential paleontological resources that might be impacted by clean-up activities related to the release of the materials (Figure 1). A pedestrian inspection of the northeastern shore was conducted and several minor rock outcrops were identified (Figure 2). These consisted of variegated beds of yellowish gray and pale yellowish brown, poorly cemented, highly weathered siltstone with a total exposed thickness of about 2 meters, overlain by a fissile, pale olive mudstone with a thickness of 30 to 50 centimeters, which was overlain by a coarse-grained, platy, moderately well cemented, reddish orange sandstone that was approximately 30 centimeters thick and exhibited extensive bioturbation. No scientifically significant surface fossils were observed during the inspection and, due to the relatively minor surface disturbance required for clean-up, the likelihood of impacts to subsurface paleontological resources is low. Immediate paleontological clearance was given for all clean-up activities in the area.



Figure 1. View along the northeastern shore of Lake Boreham.



Figure 2. Observed bedrock exposure showing variegated siltstones, overlain by mudstone, overlain by sandstone.

Please contact me with questions regarding this letter report or the inspection. I can be reached via e-mail at jstrauss@swca.com or by telephone at (435) 789-9388.

Sincerely,

Justin Strauss

Paleontological Specialist

Justin D. Strauss

Biological Assessment: Vegetation Survey Results

For areas surrounding well:

4-36-3-3WH

Prepared by:



OUTLAW Engineering, Inc. PO BOX 1800 Roosevelt, Utah 84066

Prepared for:



Newfield Exploration Company 10530 South Country Road 33 Myton, Utah 84052

Duchesne County, Utah

October 23, 2012

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1.1	PROJECT LOCATION	1
1.2	GENERAL DESCRIPTION OF PROJECT AREA	2
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1.0 INTRODUCTION AND BACKGROUND

Newfield Exploration Company (Newfield) retained OUTLAW Engineering, Inc. (OUTLAW) to conduct a Biological Assessment (BA) an area surrounding an existing well pad (Project Area) currently used for development of oil resources in Duchesne County, Utah.

Work specifically involved the following tasks:

- Identification of potential habitat for any federally listed Threatened, Endangered, Proposed, and Candidate (TEPC) species, as per the U.S. Fish and Wildlife Service (USFWS) requirements (USFWS 2012).
- Determination if Species of Concern (SOC) have been identified within the Project Area and its immediate surroundings. This task was accomplished by referencing the Utah Natural Heritage Program (UNHP) (UNHP 2012).
- Conducting field assessments of TEPC plant species within the Project Area and associated 300-foot buffer.

Field surveys conducted on October 17, 2012 focused on the presence of TEPC plant species, as listed by U.S. Fish and Wildlife Service (USFWS), and other state and federally protected plant species or associated habitat. This report documents the findings within the Project Area and the required 300-foot survey buffer for plant TES and SOC species. Nate Norman completed data collection and reporting was completed by Bridget Atkin. Respective vitae can be found in Appendix A.

The intent of this report is to summarize field survey methodology, site/data analysis, and results in order to help land managers and agency representatives assess potential impacts as well as provide guidance for Newfield during planning and permitting tasks associated with the operation of the existing facility.

1.1 PROJECT LOCATION

Well site 4-36-3-3WH is located approximately 3.5miles north east of Myton, Utah in Duchesne County. The Project Area included the areas immediately surrounding existing well head 4-36-3-3WH (Figure 1-1).



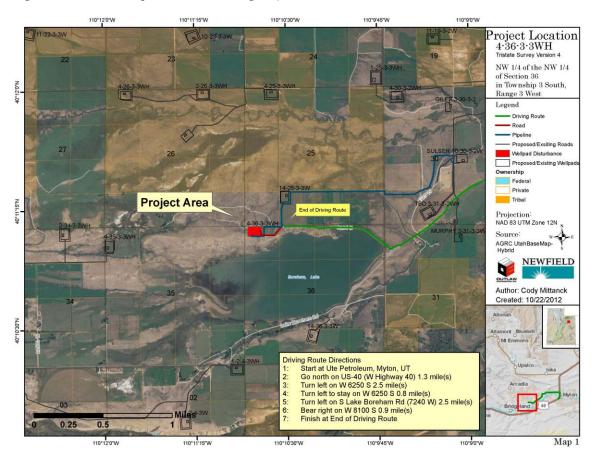


Figure 1-1 Location map and detail showing Project Area associated with well site 4-36-3-3WH.

1.2 GENERAL DESCRIPTION OF PROJECT AREA

The Project Area is situated in the central Uintah Valley. The relatively flat valley bottom is interspersed with flat-topped benches averaging approximately 300 feet in elevation. The Duchesne River and its tributaries drain the area. Many smaller creeks, washes, and canals also traverse the terrain. The area is used for agriculture, mainly as pastures and hayfields, but some areas are planted with row crops. Much of the vegetation is composed of introduced species such as Russian olive, tamarisk, Kentucky bluegrass, meadow fescue, summer cypress, sweetclover, tall wheatgrass, and crested wheatgrass. However, several native plant species are also common including narrowleaf cottonwood, common cottonwood, boxelder, greasewood, alkali sacaton, bottlebrush squirreltail, sunflower, and western wheatgrass. Water is close to the surface in the area and wetlands are common. Wetlands species include coyote willow, saltgrass, mountain rush, reed canarygrass, poverty sumpweed, and foxtail barley.



2.0 THREATENED, ENDANGERED, AND SENSITIVE SPECIES SURVEYED

2.1 Vegetation Survey

An online search of the USFWS Information, Planning, and Conservation System (IPaC) database for TEPC species that may occur within the Project Area was conducted.

The site was surveyed for TEPC plant habitat. Data were recorded using hand-held GPS (Global Positioning System) units running ArcPad10 GIS and Cybertracker data recording software. Field notes were also taken of the Project Area to record general site characteristics. Photographs were taken when applicable.

The site was first evaluated for potential habitat and subsequently surveyed for individual plants if pertinent.

2.1.1 **TEPC Species Habitat Requirements**

Based on habitat assessments and USFWS review, the Project Area is within the potential habitat and geographic distribution for Graham beardtongue (*Penstemon grahamii*) and Ute ladies'-tresses (*Spiranthes diluvialis*) (ULT) (Appendix B). The Project Area is also located in a region that is known to support populations of Flowers' penstemon (*Penstemon flowersii*) (Secakuku 2012).

Flowers' Penstemon is listed as a Bureau of Land Management (BLM) sensitive species endemic to clay badlands in the vicinity of Roosevelt, Utah (Welsh 2008). Vegetation communities commonly associated with this species are characterized by shadscale, horsebrush, ephedra, mat-saltbush, galleta, and rabbitbrush communities at 5000 to 5400 feet elevation.

Grahams beardtongue is listed as Proposed Threatened by USFWS. It occurs in sparsely vegetated areas with shadscale, *Eriogonum* spp., horsebrush, ryegrass, and pinyon-juniper communities on shale ledges and talus of the Green River Formation at 4,600-6,700 feet elevation.

Ute ladies'-tresses is listed as Threatened by USFWS. This species grows in wet meadows and on stream banks of perennial streams and rivers.

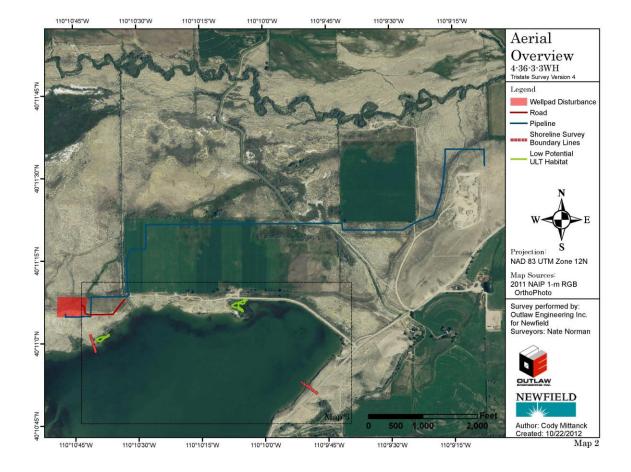
Sites were evaluated in accordance with known ULT habitat parameters spelled out in "Ute ladies'-tresses Field Survey Guidelines, U.S. Fish and Wildlife Service" (USFWS 2007), Range-wide Status Review of ULT (Fertig et al. 2005), and personal knowledge of the area and ULT requirements.



Page 3

Figure 2-1 shows the aerial overview where surveys focused on the presence or absence of ULT habitat along portions of the Lake Boreham shoreline. Areas that exhibited characteristics commonly associated with ULT were mapped.

Figure 2-1 Arial overview showing area surveyed along the Lake Boreham shoreline, ULT habitat mapped and proximity to well site 4-36-3-3WH.



3.0 SURVEY RESULTS

3.1 Plants

Ute ladies'-tresses: Wetland habitat was observed and is hydrologically connected to Lake Boreham. Primarily, habitat was not conducive to the support of ULT populations. The shoreline of Lake Boreham is comprised of cobbled surface substrate with remnant saline deposits at the high water marks (Figures 3-1 and 3-2). Two areas were observed along the shore that included marginal or low potential ULT habitat (Figure 3-3). These locations were mapped as potential habitat and are shown in Figure 3-4. No ULT surveys were done within the Project Area as it is outside of the regional blooming period.

Grahams beardtongue: Habitat was found with qualities conducive to the support of Grahams beardtongue, primarily in the areas north of the shore of Lake Boreham. The geologic stratum associated with this plant was found within the Project Area, including sparsely vegetated shale ledges. It is outside of the typical bloom period for this species.

Flowers' Penstemon: The area surrounding Lake Boreham is known to support populations of Flowers' penstemon. The north shore of the lake contains areas of sparsely vegetated shale ledges and badland soils that could potentially support this species; however, it is outside of the bloom period for this species which makes it difficult to rule out the presence of individual plants.

Upland areas located within the Project Area were also reviewed for potential Uinta Basin Hookless Cactus (*Sclerocactus wetlandicus*) and Pariette cactus (*Sclerocactus brevispinus*) habitat. Upland habitat between Lake Boreham and surrounding agricultural fields are outside of the USFWS and BLM *Sclerocatus* spp. polygon that has been mapped within the Uinta Basin. Also, the area did not present habitat ideal for colonization by these species.



Figure 3-1 Habitat found along the majority of Lake Boreham was characterized by cobble substrate and bare ground.



Figure 3-2 Saline deposits were observed along the shore line of Lake Boreham, primarily along the high water marks. Saline soils would make the colonization of ULT populations within these areas unlikely.



Biological Assessment 4-36-3-3WH



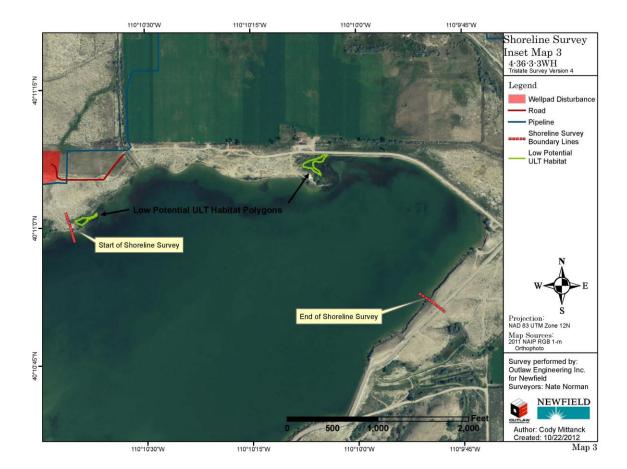
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Figure 3-3 Pockets of habitat located along Lake Boreham has a low potential to support ULT populations.





Figure 3-4 Shoreline survey area extended from the area adjacent to well site 4-36-3-3WH and extended around a portion of the northern and eastern shoreline of Lake Boreham. Two areas were mapped as low potential ULT habitat.



4.0 REFERENCES

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5.0 APPENDICIES

APPENDIX A

RESUME / QUALIFICATIONS

Qualifications of Survey Team Leaders

NATE NORMAN – ENVIRONMENTAL SCIENTIST

Mr. Norman has 20 years of diversified experience in environmental science, with an emphasis on threatened and endangered species, wetlands, and riparian areas. He has conducted surveys for several rare plants in Utah, Idaho, Montana, and Nevada and found several populations of Ute ladies'-tresses (*Spiranthes diluvialis*), twinleaf onion (*Allium anceps*), Simpson's hedgehog cactus -SW Idaho ecotype, (Pediocactus simpsonii), Elko rockcress (Boechera falcifructa), Idaho penstemon (Penstemon idahoensis), and Parish's phacelia (Phacelia parishii) among many others. In addition, Mr. Norman has conducted surveys and monitoring studies of raptors and their nests, black-footed ferrets, pygmy rabbits, Utah prairie dogs, and southwestern willow flycatchers. While completing the work for Section 404 (of the Clean Water Act) permits through the U.S. Corps of Engineers, he has completed numerous threatened and endangered species clearances. Besides conducting rare species work, he has designed or overseen the development of construction/restoration plans for various wetlands and riparian areas in Utah, Nevada, Iowa, Michigan, and Idaho. Mr. Norman holds a B.S. degree in biology from Eastern Michigan University and is certified as a Professional Wetland Scientist by the National Wetland Society.

BRIDGET ATKIN - ENVIRONMENTAL SCIENTIST and PLANT ECOLOGIST

Ms. Atkin has 10 years of plant and environmental planning experience in the Intermountain West. She is experienced in the preparation and application of NEPA documents from scoping to project construction and compliance. She has managed projects involving the Clean Water Act, Section 404 Wetlands and was primary coordinator with Federal and State agencies. She is experienced with surveying and monitoring TEPC species, water-related planning, and permitting processes. She has managed projects focusing on monitoring and mapping flora resources throughout the Intermountain West and has conducted natural resource surveys, inventories, and plant identification. Her computer skills include ArcGIS, Excel, Word, and working with global positioning (GIS) systems. Her education includes an A.A.S. degree with an emphasis in architecture from Salt Lake Community College, a B.S. degree in horticulture from Utah State University (USU), and a M.S. degree in plant science from USU and is an M.L.A. candidate in landscape architecture and environmental planning at USU.

APPENDIX B

USFWS Information, Planning, and Conservation System
Database Search Results



U.S. Fish and Wildlife Service

Natural Resources of Concern

This resource list is to be used for planning purposes only — it is not an official species list.

Endangered Species Act species list information for your project is available online and listed below for the following FWS Field Offices:

UTAH ECOLOGICAL SERVICES FIELD OFFICE

2369 WEST ORTON CIRCLE, SUITE 50 WEST VALLEY CITY, UT 84119 (801) 975-3330 http://www.fws.qov/http://www.fws.qov/utahfieldoffice/

Project Name:

IPAC_4-36-3-3WH General

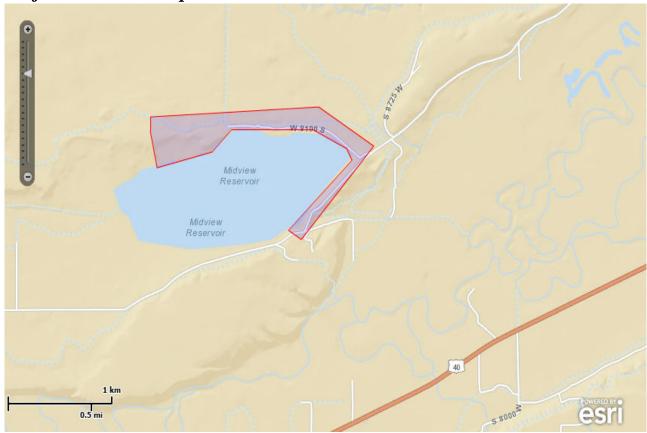
10/23/2012



U.S. Fish and Wildlife Service

Natural Resources of Concern

Project Location Map:



Project Counties:

Duchesne, UT

Geographic coordinates (Open Geospatial Consortium Well-Known Text, NAD83):

 $\begin{array}{l} \text{MULTIPOLYGON} \ (((\text{-}110.1846178\ 40.1852679,\ -}110.1846178\ 40.1863826,\ -}110.1654776\ 40.1871727,\ -\\ 110.159212\ 40.1840876,\ -\\ 110.1674517\ 40.1767431,\ -\\ 110.1689108\ 40.1774645,\ -\\ 110.1617011\ 40.1829729,\ -\\ 110.1623019\ 40.1838909,\ -\\ 110.1661642\ 40.185399,\ -\\ 110.1753481\ 40.185399,\ -\\ 110.1775797\ 40.1836286,\ -\\ \end{array}$

-110.1838454 40.1823827, -110.1846178 40.1852679)))

Project Type:

Oil Or Gas



U.S. Fish and Wildlife Service

Natural Resources of Concern

Endangered Species Act Species List

There are a total of 10 species in your species list

Species that may be affected by your project:

Birds			
Greater sage-grouse (Centrocercus urophasianus) Population: entire	Candidate	species info	Utah Ecological Services Field Office
Mexican Spotted owl (Strix occidentalis lucida)	Threatened	species info	Utah Ecological Services Field Office
Yellow-Billed Cuckoo (Coccyzus americanus) Population: Western U.S. DPS	Candidate	species info	Utah Ecological Services Field Office
Fishes			
Bonytail chub (Gila elegans) Population: entire	Endangered	species info	Utah Ecological Services Field Office
Colorado pikeminnow (Ptychocheilus lucius) Population: except Salt and Verde R. drainages, AZ	Endangered	species info	Utah Ecological Services Field Office
Humpback chub (<i>Gila cypha</i>) Population: entire	Endangered	species info	Utah Ecological Services Field Office
Razorback sucker (<i>Xyrauchen texanus</i>) Population: entire	Endangered	species info	Utah Ecological Services Field Office
Flowering Plants		î	
Graham beardtongue (Penstemon grahamii)	Proposed Threatened	species info	Utah Ecological Services Field Office
Ute ladies'-tresses (Spiranthes diluvialis)	Threatened	species info	Utah Ecological Services Field Office
Mammals			

10/23/2012



U.S. Fish and Wildlife Service

Natural Resources of Concern

Canada Lynx (Lynx canadensis)	Threatened	species info	Utah Ecological Services
Population: (Contiguous U.S. DPS)			Field Office

FWS National Wildlife Refuges

There are no refuges found within the vicinity of your project.

FWS Migratory Birds

Not yet available through IPaC.

FWS Delineated Wetlands

Not yet available through IPaC.

10/23/2012

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



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Choke		24 Csg.	24 Hr			477 Gas	Wate	er	Gas/Oil		We	Il Status	L					
Size		Press.	Rate		BL		BBL		Ratio			RODUG						
28a. Produc	tion - Interv	/al B					<u>L</u>											
Date First		Hours		O O			Wate		Oil Grav		Gas		Produc	tion M	なすっ	EIVED		
Produced		Tested	l Produ	iction B.	BL	MCF	BBL		Corr. Al	P1	Gra	vity						
Choke	Tbg. Press.	Csg.	24 Hr	: 0	il	Gas	Wate		Gas/Oil		We	ll Status			FEB	1 5 20	13	
Size		Press.	Rate		BL		BBL		Ratio			Jianus	•			L, GAS & M		

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

20h Drod	uction - Inte	ervol C	* .							M- 1916.	
		Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil C Corr.	Gravity API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/0 Ratio		Well Status	.	
	uction - Inte Test Date	rval D Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL		Gravity . API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Gas/Gas/Gas/Gas/Gas/Gas/Gas/Gas/Gas/		Well Status		
29. Dispo	sition of Ga	s (Solid, 1	ised for fuel, v	ented, etc.)				<u></u>	·	
	USED FOR I										
30. Sum	nary of Porc	ous Zones	(Include Aqu	ifers):					31. Formati	ion (Log) Markers	
Show includ recove	ing depth in	t zones of terval test	porosity and c ed, cushion us	contents the	nereof: Cored i ool open, flowi	intervals and alling and shut-in	l drill-ste pressures	em tests, s and	GEOLOG	ICAL MARKERS	
For	mation	Тор	Bottom		Desc	criptions, Conte	ents, etc.			Name	Top Meas. Depth
									GARDEN GL DOUGLAS C		5751' 6852'
									BI-CARBONA B LIMESTON		7123' 7369'
									CASTLE PE		7771' 8440'
									wasat	ch	8249
		•	le plugging pro	,					·- I,		
The abo	ve well be I was retur	gan flow ned to p	ring during the	ne compl 19/12/20	etion proces 12, and test	s, and contin data was tak	ued unt en ten (til the well v (10) days fo	vas shut in fo ollowing, on 9	or installation of the gas lift sys	stem on 09/11/2012.
33. Indic	ate which ite	ems have	been attached	by placing	a check in the	appropriate bo	oxes;				
☐ Ele	ctrical/Mech	anical Log	gs (1 full set req	'd.)		Geologic Repo		DST Re	_{port} Daily Comple	☑ Directional Survey	
						•	act on de			ecords (see attached instructions)	
	Name <i>(pleas</i>		egonig and an ennifer Peat		mination is cor	upicie allu com	ect as dei Title		n an avanabie i n Technician	ecords (see attached instructions)	•
	Signature	X 1	MY	4				10/25/2012			
			- \ V							No.	
Title 18 U	J.S.C. Section	n 1001 a	nd Title 43 U.S	S.C. Section	on 1212, make	it a crime for a	ny persoi	n knowingly	and willfully to	make to any department or agenc	y of the United States any

(Continued on page 3)



NEWFIELD EXPLORATION CO.

DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH LAKE BOREHAM 4-36-3-3WH

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Survey: Survey #1

Standard Survey Report

19 June, 2012





Survey Report



Company: NEWFIELD EXPLORATION CO.

Project: DUCHESNE COUNTY, UT Site: LAKE BOREHAM 4-36-3-3WH Well: LAKE BOREHAM 4-36-3-3WH

Wellbore: LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: LAKE BOREHAM 4-36-3-3WH CURVE/LAT Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well LAKE BOREHAM 4-36-3-3WH

WELL @ 5313.60ft (PIONÉER 62) WELL @ 5313.60ft (PIONEER 62)

Minimum Curvature

EDM 2003.21 Single User Db

Project DUCHESNE COUNTY, UT

Map System: Geo Datum:

US State Plane 1983

North American Datum 1983

Map Zone:

Utah Central Zone

System Datum:

Mean Sea Level

Site LAKE BOREHAM 4-36-3-3WH

Site Position: From:

Lat/Long

Northing: Easting:

7,238,916.05ft

Latitude:

40° 11' 6.800 N

0.85°

Position Uncertainty:

Slot Radius:

2,009,346.72ft

Longitude:

0.00 ft

Grid Convergence:

110° 10' 45.940 W

Well LAKE BOREHAM 4-36-3-3WH

+N/-S

+E/-W

Well Position

0.00 ft 0.00 ft Northing: Easting:

7,238,916.05 ft 2,009,346.72 ft Latitude: Longitude:

40° 11' 6.800 N 110° 10' 45.940 W

Position Uncertainty

0.00 ft

Wellhead Elevation:

Ground Level:

5,295.60 ft

Wellbore LAKE BOREHAM 4-36-3-3WH CURVE/LAT **Magnetics Model Name** Sample Date Declination **Dip Angle Field Strength** (°) (°) (nT) BGGM2011 5/29/2012 11.30 65.84 52.180

Design

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Audit Notes:

Version:

1.0

Phase:

ACTUAL

Tie On Depth:

0.00

Vertical Section:

Depth From (TVD) (ft) 0.00

+N/-S (ft) 0.00

+E/-W (ft) 0.00

Direction (°) 175.84

Survey Program Date 6/19/2012 From To (ft) (ft) Survey (Wellbore) **Tool Name** Description 12,495.00 Survey #1 (LAKE BOREHAM 4-36-3-3WH MWD 81.00 MWD - Standard

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.00	0.35	113.54	81.00	-0.10	0.23	0.12	0.43	0.43	0.00
169.00	0.30	89.22	169.00	-0.20	0.70	0.25	0.17	-0.06	-27.64
261.00	0.47	116.6 4	261.00	-0.37	1.28	0.46	0.27	0.18	29.80
353.00	0.40	140.35	352.99	-0.79	1.82	0.92	0.21	-0.08	25.77
460.00	0.76	149.44	459.99	-1.68	2.42	1.86	0.35	0.34	8.50
584.00	0.98	157.15	583.97	-3.37	3.25	3.60	0.20	0.18	6.22
709.00	1.39	160.27	708.95	-5.78	4.18	6.07	0.33	0.33	2.50
832.00	1.74	156.28	831.90	-8.90	5.43	9.27	0.30	0.28	-3.24
956.00	1.98	160.04	955.84	-12.63	6.92	13.10	0.22	0.19	3.03
1,080.00	1.79	155.17	1,079.77	-16.40	8.47	16.97	0.20	-0.15	-3.93
1,204.00	2.06	156.47	1,203.70	-20.20	10.17	20.89	0.22	0.22	1.05
1,327.00	1.61	161.53	1,326.63	-23.87	11.60	24.65	0.39	-0.37	4.11



Survey Report



Company: NEWFIELD EXPLORATION CO.

Project: DUCHESNE COUNTY, UT Site: LAKE BOREHAM 4-36-3-3WH Well: LAKE BOREHAM 4-36-3-3WH

Wellbore: LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Design: LAKE BOREHAM 4-36-3-3WH CURVE/LAT Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Database:

Well LAKE BOREHAM 4-36-3-3WH WELL @ 5313.60ft (PIONEER 62) WELL @ 5313.60ft (PIONEER 62)

Minimum Curvature

EDM 2003.21 Single User Db

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)
1,453.00 1,578.00	1.50 1.34	160.56 165.48	1,452.59 1,577.55	-27.10 -30.06	12.71 13.62	27.96 30.97	0.09 0.16	-0.09 -0.13	-0.77 3.94
1,701.00	1.21	170.77	1,700.52	-32.74	14.19	33.68	0.14	-0.11	4.30
1,826.00	1.26	173.92	1,825.49	-35.41	14.55	36.37	0.07	0.04	2.52
1,951.00	1.14	174.15	1,950.46	-38.01	14.82	38.98	0.10	-0.10	0.18
2,076.00	1.12	176.96	2,075.44	-40.47	15.01	41.45	0.05	-0.02	2.25
2,200.00	1.22	177.01	2,199.41	-42.99	15.14	43.98	0.08	0.08	0.04
2,324.00	1.04	169.86	2,323.39	-45.42	15.41	46.42	0.18	-0.15	-5.77
2,434.00	1.19	172.21	2,433.37	-47.53	15.74	48.55	0.14	0.14	2.14
2,525.00	1.13	167.31	2,524.35	-49.35	16.07	50.38	0.13	-0.07	-5.38
2,556.00	1.36	172.88	2,555.34	-50.01	16.18	51.05	0.84	0.74	17.97
2,619.00	1.29	167.01	2,618.33	-51.44	16.43	52.50	0.24	-0.11	-9.32
2,681.00	1.38	177.40	2,680.31	-52.87	16.62	53.94	0.42	0.15	16.76
2,742.00	1.41	179.23	2,741.29	-54.35	16.67	55.42	0.09	0.05	3.00
2,804.00	1.48	175.71	2,803.27	-55.91	16.74	56.98	0.18	0.11	-5.68
2,867.00	1.62	176.40	2,866.25	-57.61	16.85	58.69	0.22	0.22	1.10
2,929.00	1.05	184.68	2,928.23	-59.05	16.86	60.12	0.97	-0.92	13.35
2,992.00	0.69	184.93	2,991.22	-60.01	16.78	61.07	0.57	-0.57	0.40
3,118.00	1.17	181.57	3,117.21	-62.05	16.68	63.10	0.38	0.38	-2.67
3,241.00	2.13	179.88	3,240.15	-65.59	16.65	66.63	0.78	0.78	-1.37
3,365.00	0.51	263.92	3,364.12	-67.95	16.11	68.94	1.72	-1.31	67.77
3,489.00	0.79	253.86	3,488.11	-68.25	14.74	69.14	0.24	0.23	-8.11
3,614.00	1.05	234.97	3,613.10	-69.15	12.97	69.91	0.32	0.21	-15.11
3,738.00	1.24	230.26	3,737.07	-70.66	11.01	71.27	0.17	0.15	-3.80
3,864.00	1.39	222.94	3,863.04	-72.65	8.92	73.10	0.18	0.12	-5.81
3,988.00	1.83	212.67	3,986.99	-75.42	6.83	75.71	0.42	0.35	-8.28
4,111.00	0.20	168.21	4,109.97	-77.28	5.81	77.50	1.38	-1.33	-36.15
4,236.00	0.84	191.04	4,234,96	-78.39	5.68	78.60	0.53	0.51	18.26
4,361.00	1.16	187.42	4,359.94	-80.55	5.34	80.72	0.26	0.26	-2.90
4,486.00	1.41	192.87	4,484.91	-83.30	4.84	83.43	0.22	0.20	4.36
4,608.00	1.69	196.13	4,606.87	-86.49	4.00	86.55	0.24	0.23	2.67
4,735.00	0.49	329.08	4,733.85	-87.82	3.20	87.82	1.62	-0.94	104.69
4,859.00	0.47	194.80	4,857.85	-87.86	2.80	87.83	0.71	-0.02	-108.29
4,984.00	1.05	201.58	4,982.84	-89.42	2.25	89.35	0.47	0.46	5.42
5,108.00	1.64	203.27	5,106.80	-92.11	1.13	91.95	0.48	0.48	1.36
5,235.00	0.70	27.99	5,233.79	-93.09	0.77	92.90	1.84	-0.74	-138.02
5,358.00	0.22	56.60	5,356.79	-92.30	1.32	92.15	0.42	-0.39	23.26
5,484.00	0.31	160.78	5,482.79	-92.49	1.64	92.36	0.33	0.07	82.68
5,608.00	0.91	189.25	5,606.78	-93.78	1.59	93.64	0.53	0.48	22.96
5,732.00	1.61	187. 4 8	5,730.75	-96.48	1.21	96.31	0.57	0.56	-1.43
5,856.00	1.93	250.84	5,854.70	-98.89	-0.99	98.56	1.52	0.26	51.10
5,918.00	1.14	254.85	5,916.68	-99.39	-2.58	98.94	1.29	-1.27	6.47
5,979.00	0.79	74.28	5,977.67	-99.44	-2.76	98.97	3.16	-0.57	294.15
6,104.00	1.42	91.18	6,102.65	-99.24	-0.38	98.95	0.56	0.50	13.52
6,229.00	1.44	140.12	6,227.61	-100.47	2.18	100.37	0.95	0.02	39.15
6,353.00	2.07	165.85	6,351.56	-103.84	3.72	103.84	0.80	0.51	20.75
6,478.00	1.44	217.56	6,476.51	-107.27	3.32	107.23	1.31	-0.50	41.37
6,602.00	2.14	204.33	6,600.44	-110.62	1.41	110.43	0.65	0.56	-10.67
6,726.00	0.10	52.89	6,724.42	-112.66	0.55	112.41	1.80	-1.65	-122.13
6,852.00	0.56	231.01	6,850.42	-112.98	0.16	112.70	0.52	0.37	141.37
6,977.00	1.68	216.33	6,975.39	-114.85	-1.40	114.44	0.92	0.90	-11.74
7,101.00	2.67	214.11	7,099.30	-118.70	-4.10	118.09	0.80	0.80	-1.79
7,226.00	1.53	258.30	7,224.22	-121.45	-7.37	120.59	1.52	-0.91	35.35
7,350.00	2.24	240.72	7,348.15	-122.97	-11.10	121.84	0.73	0.57	-14.18



Survey Report



Company: NEWFIELD EXPLORATION CO.

Project: DUCHESNE COUNTY, UT Site: LAKE BOREHAM 4-36-3-3WH Well: LAKE BOREHAM 4-36-3-3WH

Wellbore: LAKE BOREHAM 4-36-3-3WH CURVE/LAT

LAKÉ BOREHAM 4-36-3-3WH CURVE/LAT Design:

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Database:

Well LAKE BÖREHAM 4-36-3-3WH WELL @ 5313.60ft (PIONEER 62)

WELL @ 5313.60ft (PIONEER 62)

Minimum Curvature

EDM 2003.21 Single User Db

Survey		e dilika a malamandan dinastra a - esten militaria dinastra majara							
Measured			Vertical						
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)
7,442.00	2.68	237.05	7.440.07	-125.02	-14.48	123.64	0.51	0.48	
7,472.00	2.94	237.59	7,470.03	-125.81	-15.71	123.04	0.87	0.46	-3.99 1.80
7,503.00	3.06	236.10	7,500.99	-126.70	-17.07	125.13	0.46	0.39	-4.81
7,534.00	2.90	231.89	7,531.95	-127.65	-18.38	125.98	0.87	-0.52	-13.58
7,565.00	3.03	173.13	7,562.91	-128.94	-18.89	127.23	9.39	0.42	-189.55
7,596.00	5.97	140.37	7,593.82	-131.00	-17.77	129.37	12.24	9.48	-105.68
7,627.00	8.75	125.55	7,624.56	-133.61	-14.82	132.19	10.79	8.97	-47.81
7,658.00	10.85	123.13	7,655.11	-136.58	-10.46	135.46	6.90	6.77	-7.81
7,690.00	12.96	127.87	7,686.42	-140.43	-5.10	139.69	7.26	6.59	14.81
7,720.00	13.99	131.15	7,715.59	-144.88	0.28	144.52	4.27	3.43	10.93
7,752.00	17.02	130.04	7,746.43	-150.44	6.78	150.54	9.51	9.47	-3.47
7,784.00	20.92	128.63	7,776.68	-157.02	14.84	157.68	12.27	12.19	-4.41
7,815.00	25.10	126.49	7,805.21	-164.39	24.45	165.73	13.75	13.48	-6.90
7,846.00	29.09	125.38	7,832.80	-172.67	35.88	174.82	12.97	12.87	-3.58
7,877.00	33.74	124.40	7,859.25	-181.90	49.14	184.99	15.09	15.00	-3.16
7,908.00	37.51	124.80	7,884.44	-192.15	64.00	196.29	12.18	12.16	1.29
7,940.00	41.89	125.75	7,909.06	-203.96	80.68	209.28	13.82	13.69	2.97
7,971.00	44.80	127.83	7,931.60	-216.71	97.71	223.23	10.46	9.39	6.71
8,002.00	48.10	132.22	7,952.96	-231.17	114.89	238.90	14.78	10.65	14.16
8,033.00	50.65	132.30	7,973.15	-246.99	132.30	255.94	8.23	8.23	0.26
8,064.00	54.65	131.64	7,991.95	-263.46	150.62	273.70	13.01	12.90	-2.13
8,095.00	58.60	130.57	8,009.00	-280.48	170.12	292.08	13.06	12.74	-3.45
8,126.00	62.53	129.59	8,024.23	-297.85	190.78	310.91	12.97	12.68	-3.16
8,158.00	63.94	129.20	8,038.64	-315.98	212.86	330.60	4.54	4.41	-1.22
8,189.00	65.93	128.33	8,051.78	-333.56	234.76	349.72	6.90	6.42	-2.81
8,220.00	68.14	128.77	8,063.87	-351.35	257.08	369.08	7.25	7.13	1.42
8,251.00	70.38	129.38	8,074.85	-369.63	279.58	388.94	7.46	7.23	1.97
8,282.00	71.64	129.94	8,084.93	-388.33	302.15	409.24	4.41	4.06	1.81
8,313.00	72.24	130.58	8,094.55	-407.38	324.64	429.87	2.76	1.94	2.06
8,344.00	72.32	131.60	8,103.98	-426.79	346.89	450.84	3.14	0.26	3.29
8,376.00	73.63	132.60	8,113.35	-447.30	369.59	472.95	5.07	4.09	3.13
8,407.00	75.07	133.85	8,121.71	-467.74	391.34	494.92	6.05	4.65	4.03
8,438.00	75.93	135.62	8,129.47	-488.87	412.66	517.53	6.18	2.77	5.71
8,469.00	75.80	135.91	8,137.05	-510.41	433.63	540.54	1.00	-0.42	0.94
	POINT LAKE								
8,469.26	75.81	135.91	8,137.11	-510.59	433.81	540.73	2.10	2.10	0.16
8,500.00	76.45	135.96	8,144.48	-532.03	454.56	563.62	2.10	2.10	0.16
8,531.00	78.24	137.15	8,151.27	-553.99	475.36	587.03	6.88	5.77	3.84
8,562.00	80.38	138.90	8,157.02	-576.64	495.73	611.10	8.86	6.90	5.65
8,593.00	82.21	140.55	8,161.71	-600.01	515.54	635.85	7.91	5.90	5.32
8,624.00	83.83	142.53	8,165.48	-624.11	534.67	661.27	8.22	5.23	6.39
8,655.00	85.03	143.77	8,168.49	-648.80	553.17	687.24	5.55	3.87	4.00
8,690.00	85.52	144.58	8,171.37	-677.08	573.59	716.93	2.70	1.40	2.31
8,767.00	85.43	146.78	8,177.45	-740.47	616.87	783.29	2.85	-0.12	2.86
8,798.00	85.62	148.22	8,179.87	-766.53	633.47	810.49	4.67	0.61	4.65
8,830.00	86.17	150.69	8,182.16		→ 649.69	839.08	7.89	1.72	7.72
8,862.00	87.96	153.27	8,183.80	-822.23	664.70	868.31	9.80	5.59	8.06
8,893.00	90.18	156.94	8,184.30	-850.34	677.75	897.29	13.83	7.16	11.84
8,925.00	91.11	158.67	8,183.94	-879.96	689.83	927.71	6.14	2.91	5.41
8,956.00	91.42	158.66	8,183.26	-908.83	701.11	957.33	1.00	1.00	-0.03
8,988.00	91.24	160.57	8,182.51	-938.82	712.25	988.04	5.99	-0.56	5.97
9,019.00	92.04	161.60	8,181.63	-968.13	722.30	1,018.01	4.21	2.58	3.32
9,051.00	91.97	162.91	8,180.51	-998.59	732.04	1,049.09	4.10	-0.22	4.09
9,082.00	91.85	164.29	8,179.47	-1,028.31	740.79	1,079.37	4.47	-0.39	4.45



Survey Report



Company: NEWFIELD EXPLORATION CO.

Project: DUCHESNE COUNTY, UT

Site: LAKE BOREHAM 4-36-3-3WH Well: LAKE BOREHAM 4-36-3-3WH

Wellbore: LAKE BOREHAM 4-36-3-3WH CURVE/LAT Design:

LAKE BOREHAM 4-36-3-3WH CURVE/LAT

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Database:

Well LAKE BOREHAM 4-36-3-3WH

WELL @ 5313.60ft (PIONEER 62) WELL @ 5313.60ft (PIONEER 62)

Minimum Curvature

EDM 2003.21 Single User Db

Survey

9,114.00 92.28 163.71 8,178.32 -1,059.05 749.61 1,110.67 2.26 1.34 -1.8 9,146.00 92.77 165.12 8,176.91 -1,089.85 758.19 1,142.00 4.66 1.53 4.4 9,177.00 92.65 166.73 8,175.44 -1,119.88 765.72 1,172.51 5.20 -0.39 5.1 9,209.00 92.82 168.22 8,173.92 -1,151.08 772.66 1,204.13 4.68 0.53 4.6 9,241.00 92.40 169.83 8,172.46 -1,182.46 778.74 1,235.87 5.19 -1.31 5.0 9,272.00 92.71 172.31 8,171.08 -1,213.05 783.55 1,266.73 8.05 1.00 8.0 9,304.00 92.90 174.55 8,169.51 -1,244.80 787.21 1,298.66 7.02 0.59 7.0 9,336.00 92.28 176.02 8,168.06 -1,276.66 789.83 1,330.62 4.98 -1.94 4.5 9,399.00 92.78 176.79 8,165.28 -1,339.48 793.78 1,393.56 1.46 0.79 1.2 9,462.00 93.08 178.07 8,162.06 -1,402.33 796.60 1,456.45 2.08 0.48 2.0 9,526.00 92.41 176.52 8,159.00 -1,466.18 799.62 1,520.36 2.64 -1.05 -2.4 9,589.00 93.15 180.94 8,155.94 -1,529.01 803.15 1,583.27 1.44 1.17 0.8 9,652.00 93.15 180.94 8,155.94 -1,529.01 803.15 1,583.27 1.44 1.17 0.8 9,779.00 93.14 177.51 8,145.51 -1,718.68 805.00 1,772.57 4.09 -0.02 4.1 9,842.00 94.07 180.69 8,144.54 -1,781.54 805.99 1,835.34 5.25 1.48 5.0 9,905.00 92.10 180.80 8,138.15 -1,908.39 806.00 1,961.86 4.91 -0.97 4.8 9,905.00 92.10 180.80 8,138.15 -1,908.39 806.00 1,961.86 4.91 -0.97 4.8 10,005.00 94.32 183.57 8,128.63 -2,007.83 799.48 2,150.32 2.41 -2.31 -0.60 10,284.00 91.79 182.42 8,188.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79 182.42 8,118.06 -2,222.45 792.42 2,274.10 3.73 -3.10 -2.0 10,284.00 91.79	
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10.348.00 93.33 183.44 8,115.20 -2,286.30 789.15 2,337.55 2.89 2.41 1.5	
10,412.00 93.21 185.48 8,111.55 -2,350.00 784.18 2,400.72 3.19 -0.19 3.1	
10,474.00 92.22 185.25 8,108.61 -2,411.66 778.39 2,461.79 1.64 -1.60 -0.3	
10,537.00 93.27 187.24 8,105.59 -2,474.21 771.55 2,523.68 3.57 1.67 3.1	j
10,600.00 93.09 187.58 8,102.10 -2,536.58 763.44 2,585.31 0.61 -0.29 0.5	,
10,664.00 93.09 186.07 8,098.65 -2,600.04 755.84 2,648.04 2.36 0.00 -2.3	j
10,727.00 92.04 185.33 8,095.83 -2,662.66 749.59 2,710.04 2.04 -1.67 -1.1	
10,790.00 92.53 186.80 8,093.32 -2,725.26 742.94 2,771.99 2.46 0.78 2.3	j
10,853.00 94.05 188.32 8,089.70 -2,787.60 734.67 2,833.57 3.41 2.41 2.4	
10,917.00 92.78 186.84 8,085.89 -2,850.93 726.24 2,896.12 3.04 -1.98 -2.3	
10,981.00 93.09 186.39 8,082.61 -2,914.42 718.88 2,958.91 0.85 0.48 -0.7	
11,044.00 93.52 187.14 8,078.98 -2,976.87 711.47 3,020.66 1.37 0.68 1.1	1
11,107.00 93.33 187.78 8,075.21 -3,039.23 703.30 3,082.26 1.06 -0.30 1.0	
11,170.00 93.08 186.95 8,071.69 -3,101.61 695.24 3,143.89 1.37 -0.40 -1.3	,
11,233.00 92.96 185.44 8,068.37 -3,164.15 688.45 3,205.78 2.40 -0.19 -2.4	j
11,297.00 92.90 184.39 8,065.10 -3,227.83 682.97 3,268.89 1.64 -0.09 -1.6	,
11,360.00 93.08 184.49 8,061.81 -3,290.56 678.10 3,331.10 0.33 0.29 0.1	j
11,423.00 93.15 185.62 8,058.39 -3,353.22 672.56 3,393.19 1.79 0.11 1.7	į
11,486.00 93.08 186.44 8,054.97 -3,415.78 665.95 3,455.11 1.30 -0.11 1.3	j
11,550.00 92.65 186.78 8,051.77 -3,479.27 658.60 3,517.90 0.86 -0.67 0.5	j
11,613.00 93.21 186.61 8,048.55 -3,541.76 651.26 3,579.69 0.93 0.89 -0.2	
11,676.00 93.15 186.65 8,045.05 -3,604.24 644.00 3,641.48 0.11 -0.10 0.0	
11,739.00 93.03 186.90 8,041.66 -3,666.71 636.58 3,703.25 0.44 -0.19 0.4)
11,803.00 94.25 186.77 8,037.59 -3,730.13 628.98 3,765.94 1.92 1.91 -0.2)
11,866.00 92.84 186.12 8,033.70 -3,792.61 621.92 3,827.75 2.46 -2.24 -1.0	j
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11,993.00 94.02 187.37 8,025.80 -3,918.41 606.46 3,952.10 0.52 0.49 0.1	
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12,120.00 92.96 185.46 8,018.72 -4,044.40 592.22 4,076.72 1.61 0.09 -1.6	J
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<u>12,245.00 92.78 184.09 8,013.03 -4,168.85 581.96 4,200.09 1.14 0.69 -0.6</u>	



Survey Report



Company:

NEWFIELD EXPLORATION CO.

Project:

DUCHESNE COUNTY, UT LAKE BOREHAM 4-36-3-3WH

Site: Well:

LAKE BOREHAM 4-36-3-3WH

Wellbore: Design:

LAKE BÖREHAM 4-36-3-3WH CURVE/LAT

LAKÉ BOREHAM 4-36-3-3WH CURVE/LAT

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well LAKE BOREHAM 4-36-3-3WH

WELL @ 5313.60ft (PIONÉER 62) WELL @ 5313.60ft (PIONEER 62)

True

Minimum Curvature

EDM 2003.21 Single User Db

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Measured Depth (ft)	Inclination (°)	Azimuth	Vertical Depth (ft)	+Ñ/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (%100ft)
12,309.00	92.12	182.68	8,010.29	-4,232.68	578.18	4,263.48	2.43	-1.03	-2.20
12,372.00	92.59	183.21	8,007.71	-4,295.54	574.95	4,325.94	1.12	0.75	0.84
LAST SVY									
12,433.00	91.91	181.99	8,005.31	-4,356.43	572.18	4,386.47	2.29	-1.11	-2.00
PROJ SVY	- PBHL LAKE	BOREHAM 4	I-36-3-3WH			·			
12,495.00	91.91	181.99	8,003.24	-4,418.36 <	-> 570.03	4,448.08	0.00	0.00	0.00

Survey Annotations	AND AND SECURED ASSESSMENT		and and the second second	Water Control of Contr	ar a garan and a said a s		traditional trade. Trad	
Measured Depth	Vertical Depth	Local Coord +N/-S	inates +E/-W			(a) -		2.00 PM
(ft)	(ft)	(ft)	(ft)	Comment				
12,433.00	8,005.31	-4,356.43	572.18	LAST SVY				The state of the s
12,495.00	8,003.24	-4,418.36	570.03	PROJ SVY				

1	<u> </u>	
Checked By:	Approved By:	Date:



Project: DUCHESNE COUNTY, UT

Site: LAKE BOREHAM 4-36-3-3WH Well: LAKE BOREHAM 4-36-3-3WH

Wellbore: LAKE BOREHAM 4-36-3-3WH CURVE/LAT Design: LAKE BOREHAM 4-36-3-3WH CURVE/LAT

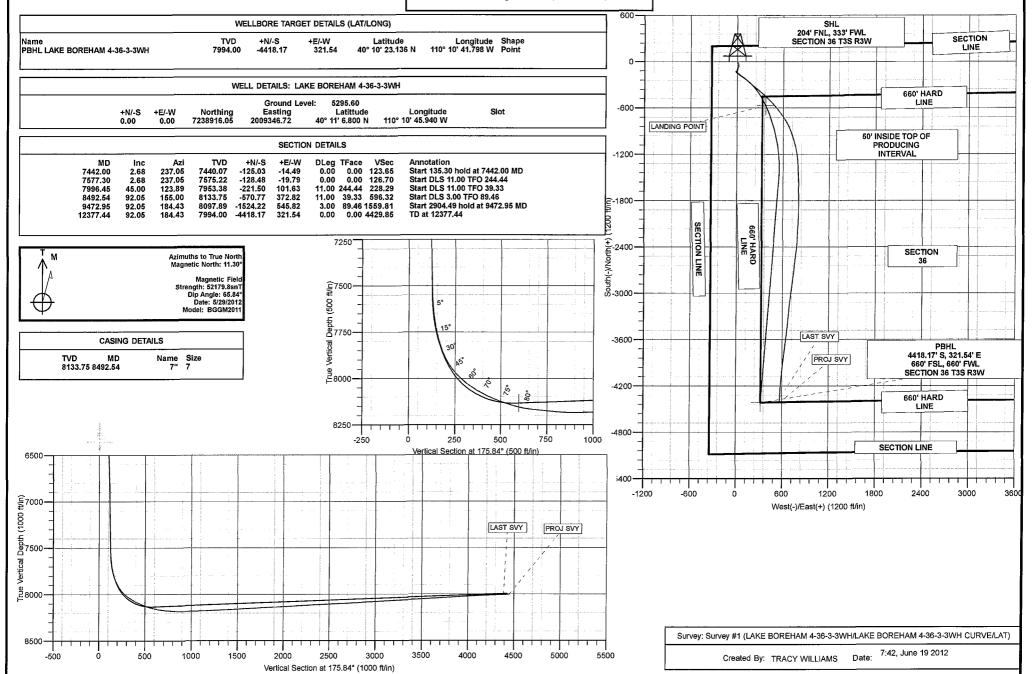
Latitude: 40° 11' 6.800 N Longitude: 110° 10' 45.940 W

GL: 5295.60

KB: WELL @ 5313.60ft (PIONEER 62)



Weatherford[®]



Daily Activity Report

Format For Sundry LAKE BOREHAM 4-36-3-3WH 7/1/2012 To 11/30/2012

7/1/2012 Day: 6

Completion

Rigless on 7/1/2012 - TIH with 2 3/8" 5.95# P-110 PH-6 tbg to make C/O run - Pressure test rig assist snub unit. Pressured bottom pipe rams to 5000 psig, leaked off.Bleed off pressure. Repair hydraulic valve on equalizer line. Pressure bottom pipe rams to 250 psig for 5 minutes, OK. Pressure to 5000 psig for 10 minutes, OK. Bleed off pressure. Pressure test middle pipe rams to 250 psig for 5 minutes, OK. Pressure to 5000 psig for 10 minutes, OK. Bleed off pressure. Pressure test top pipe rams to 250 psig for 5 minutes, OK. Pressure to 5000 psig for 10 minutes, OK. Bleed off pressure. Pressure test annular preventer to 250 psig for 5 minutes. OK. Pressure to 3000 psig for 10 minutes, OK. Bleed off pressure. - PU 3 3/4" bear claw mill, 3.13" OD 2 3/8" Reg box X 2 3/8" PAC pin x-over,2.88" OD 2 3/8" PAC box X 2 3/8" box xover, 3.50"Dual Piston Spiral Abrasive Perforator w/ 3 ports/ft at 120 deg. phasing, 2.88" OD 2 3/8" PAC X 2 3/8" PAC hydraulic disconnect, 3.13" OD 2 3/8" PAC x 2 3/8" PH-6 x-over, 2 3/8" X 4' pup jt, and 2.91" OD X 1.71 ID 'RN' nipple (No-Go 1.56" ID). - PU 1 jt 2 3/8" 5.95# P-110 PH-6 tbg, 2.91" OD X 1.71" ID 'R' profile nipple, 241 jts 2 3/8" 5.95# P-110 PH-6 tbg, 2.91" OD X 1.71" ID 'R' profile nipple (7,613') and 126 jts 2 3/8" 5.95# P-110 PH-6 tbg. Depth @ time of report 11,576'. Broke circulation @ 7,300', 10.098' and again @ 11,576'. Continuing in hole with work string. - JSA and safety meeting.

Daily Cost: \$0

Cumulative Cost: \$134,895

7/2/2012 Day: 7 Completion

Rigless on 7/2/2012 - Abrasive perforated toe frp 12,460'-57', Completed C/O & performed injection test. POOH with work string. - Cirulate 2 WBV at 5500 psig and 2.1 bpm. - RD Baker-Hughes hard lines. PU power swivel on jt #397. SICP 1550 psig. Establish circulation at 1.8 bpm and 3800 psig holding 1550 psig back pressure on annulus. Rotate in hole to 12479', no sand encountered. Make connection with jt #398. Circulate and rotate to 12506'. - Circulate 2.5 WBV with water treated with Claycare and Alpha 425 biocide @ 1 gpt. - 9:10 p.m. ¿ Completed pumping 2.5 WBV with water treated with Claycare and Alpha 425 biocide @ 1 gpt. ISIP 3,844 psi. Lay down 5 jts 2 3/8¿ PH-6, 393 jts in hole (12,385¿) placing the work string & BHA 2 jts above the top perforation @ 12,457¿. 9:55 p.m. ¿ Held PJSM to discuss testing pump iron & preforming injection test. 10:15 p.m. ¿ Tested Pump iron 250 psi low test X¿s 5 min & 9,000 psi high test X¿s 10 min. 10:31 p.m. ¿ Good test. Bled pressure to 1,500 psi. Open well 1,533 psi on 4 1/2¿ csg. Brought pump on line & preformed injection test as follows, 2 bpm ¿ 4,000 psi, pumped 10 bbls, ending pressure @ 2 bpm was 3,900 psi 3 bpm ¿ 4,300 psi, pumped 10 bbls, ending pressure @ 3 bpm was 4,233 psi 5 bpm ¿ 5,176 psi, pumped 10 bbls, ending pressure @ 5 bpm was 5150 psi 6 bpm ¿ 5,700 psi, pumped 20 bbls ISIP ¿ 5,640 psi, 5 min ¿ 3,628 psi, 10 min ¿ 3,536 psi, 15 min ¿ 3,506. Pumped total of 50 bbls during injection test. SI well. - Held PJSM. R/D Baker Hughes fluid pump & POOH laying down 2 3/8". P-110, PH-6 work string. - - - - jt# 386 in hole (12,183') tagged obstruction. P/U wt 70K, Normal S/O wt 52K, now S/O wt down to 30K. Made 4 attempts to work past obstruction with no progress. P/U 2.5 swivel. Baker Hughes fluid pump arrived on location @ 1:40 a.m. Held S/M and R/U pump. - Starting report with jt# 368 in hole (11,576') R/U TIW valve, TTS screen & kelly hose. Broke circulation @ 2 bpm, circ pressure 1,200 psi. P/U wt 70K, S/O wt 50K. Continue to TIH with 2 3/8" 5.95# P-110 PH-6 tbg. - Pump 12 bbl water, pressured to 2400 psi. SD pump. Pump 1/2 bbl/min at 900 psig for 5 minutes, did not see sliding sleeve in perforator shift. Increase rate to 1.5 bpm at 4000 psi, determined sleeve was open. Pump 78 bbl with 0.65 ppg 100 mesh sand at 2 bpm and 5400 psig while holding 2000 psig back

pressure on well bore. Noted 300 psig pressure drop on annulus and 200 psig drop at pump. Continued holding 2000 psig on annulus. Pu to spot perforator at 12459', Pump 36 bbl with 0.65 ppg 100 mesh sand at 2 bpm and 5400 psig while holding 2000 psig back pressure on well bore. PU to spot perforator at 12458'. Pump 36 bbl with 0.65 ppg 100 mesh sand at 2 bpm and 5400 psig while holding 2000 psig back pressure on well bore. Flush tbg with 42 bbl 8.33# wtr. - LD power swivel and it #397. RU Baker Hughes pump truck with TTS screen. Drop 0.562" ball. JSA and safety meeting. Pressure test lines to 6000 psig. PU to place perforator at 12460'. - Decision made to pump 50 bbl High visc sweep followed by 2 WBV 240 bbls clean fluid @ 4 bpm while reciprocating pipe & rotating. Pump pressure 2700 psig at 4 bpm. Clean water at returns when finished circulating. - 0 - 2:40 a.m. ¿ Swivel R/U completed. P/U jt# 387. Continue in hole with work string. Bring pump on line @ 2 bpm, circulating pressure 1,300 psi. P/U wt 66K, S/O wt 50K, free spinning torque 1,100#, drilling torque 1,500# 4:00 a.m. - P/U jt# 392 (12,300¿) Continue in hole with work string. Pump on line @ 2 bpm, circulating pressure 1,300 psi. P/U wt 66K, S/O wt 50K, free spinning torque 1,100#, drilling torque 1,300#. 5:14 a.m. - P/U jt# 395, Bear claw Mill (12,417¿) Continue in hole with work string. Pump on line @ 2 bpm, circulating pressure 1,300 psi. P/U wt 70K, S/O wt 54K, free spinning torque 1,400#, drilling torque 1,800#. 6:30 a.m. - P/U jt# 396, Bear Claw Mill @ (12,448¿) Continue in hole with work string. Pump on line @ 2 bpm, circulating pressure 1,300 psi. P/U wt 70K, S/O wt 56K, free spinning torque 1,400#, drilling torque 1,800#. 7:50 a.m. - P/U it# 397, Bear Claw Mill @ (12,479¿) Continue in hole with work string. Pump rate 3 bpm, circulating pressure 1,300 psi. P/U wt 70K, S/O wt 62K, free spinning torque 1,500#, drilling torque 1,750#. 8:49 a.m. - jt# 397 is in hole the Bear Claw Mill will be @ 12,511¿ which is 6¿ above the FC. Decision made to pump 50 bbl High visc sweep followed by 2 WBV 240 bbls clean fluid @ 4 bpm while reciprocating pipe & rotating.

Daily Cost: \$0

Cumulative Cost: \$173,182

7/3/2012 Day: 8

Completion

Rigless on 7/3/2012 - Completed laying down 2 3/8" PH-6 work string, R/D WOR BOP stack. R/U and test Weatherford 4 1/16" 10K Hydraulic Fracture Tree. - R/D BOP stack & R/U 10K 4 1/6" Weatherford frac tree. - POOH laying down 236 jts 2 3/8", P-110, PH-6 work string. - Crew change. JSA and safety meeting. - 10:00 SICP 1500 psig. Finish LD 162 jts 2 3/8" 5.95# P-110 PH-6 work string. SICP 0. - 6:00 p.m. - mStart testing Weatherford 4 1/16" 10K hydraulic Fracture Tree. 7:00 p.m. - Continue testing Weatherford 10K Hydraulic Frac Tree & R/D WOR. 8:00 p.m. ¿ Lower 10K Hydraulic Frac valve & Lower 10K Manual valves on Hydraulic Fracture Tree Testes as per procedure. R/U Cameron Lubricator onto frac tree & prepare to remove 2-way check valve. 9:00 p.m. ¿ Cameron 2-way check removed. R/D and release Cameron. 9:30 p.m. ¿ Continue with testing of valves on frac tree. 11:00 p.m. ¿ All testing completed as per procedure, 250 psi low test X¿s 10 min & 10,000 psi high test X¿s 10 min. R/D and released Weatherford test pump. 11:30 p.m. - SDFN

Daily Cost: \$0

Cumulative Cost: \$243,203

7/4/2012 Day: 9

Completion

Rigless on 7/4/2012 - RD work over rig. - JSA and safety meeting. - RD WOR.

Daily Cost: \$0

Cumulative Cost: \$255,013

7/5/2012 Day: 10

Completion

Rigless on 7/5/2012 - Perform DFIT. - 9:00 Baker Hughes on location. Spot in and RU pump

trk. Install Newfield Data Traps on wing valves at flow cross. 10:15 Test lines to 9000 psig on tbg and 4700 psig on csg. Open valves to data traps. 11:00 Pressure 7¿ x 4 ½¿ annulus to 3261 psig. Pump into well. Establish rate at 3.75 bpm and 5200 psig. Pumped ttl 21 bbl wtr. ISIP 4924 psig. 5 min SIP 3460 psig. 10 min SIP 3392 psig. 15 min SIP 3342 psig. Left valves open to data traps. Start DFIT at 11:30 AM. 11:30 RD pump trk. Secure well.

Daily Cost: \$0

Cumulative Cost: \$265,585

7/11/2012 Day: 11

Completion

Rigless on 7/11/2012 - Pressure test 4.5" casing and annulus - Hold Safety meeting with Cameron Service hand.1215 pm: Pressure test void on adapter flange to 8,200 psi. Tested good with no leakoff on 1hr test. 4.5" SICP - 1,918 psi, 4.5" annulus 1,850 psi. MIRU Cameron pressure testing unit and pressure up on annulus to 4,000 psi with 4.5" Sicp - 2,030 psi. Monitored pressures 10 min - 4.5" Sicp - 2,022 psi, 4.5" annulus 4,000 psi. 40 min - 4.5" Sicp - 2,006 psi, 4.5 annulus 4,000 psi. Bled pressure down on annulus and left 3,250 psi. on it with 4.5" Sicp - 1,990 psi. Cost entered today - Code 881120 - Western Water Solutions \$350.00 #13391 RNI \$931.35 #new070912C ITL \$1,572.50 #9683098 ITL \$611.00 #9686549

Daily Cost: \$0

Cumulative Cost: \$271,164

7/12/2012 Day: 12

Completion

Rigless on 7/12/2012 - Run RCBL - 4.5" SICp - 1,975 psi. 4.5" annulus 2,650 psi. Last reading yesterday 4.5" SICP - 1,990 psi. 4.5" annulus 3,250psi. Hold PJSM. MIRU Perforators WL Unit and HES Pump trucks (2) to pump down RCBL and Weatherford test unit recording pressure on Annulus. - Pressure test HES lines and 10K lubricator to 9,500 psi. Annulus pressure at beginning of pumpdown bled down to 500 psi. and recorded during pumpdown. Pump RCBL tools down at 3.6 bpm with max pressure of 6,600 psi. Pumped tools down to 12,460' before tools stopped. Annulus pressure 0 psi. Got pick up at 12,420', and started logging out of hole. 1700 pm: Out of hole with tools. Inspected on surface and found 10¿¿ piece of bow spring gone and rubber off of swab cup used for pump down gone also. Pressure on annulus continuing to increase presently @ 400 psi. 4.5" SICP - 3,600 psi. Used total of 227 bbl for pump down. - RD Hes pump trucks and Perforators WL Unit and released.SDFN

Daily Cost: \$0

Cumulative Cost: \$289,332

7/13/2012 Day: 13

Completion

Rigless on 7/13/2012 - Pressure test - Pressure reading 4.5" SICP - 2,860 psi. Annulus - 1,000 psi. Hold PJSM. Rig up J&A flowiron.1215 pm : Pressure test 250 psi low and 8,500 psi high.Secured well and shut down.

Daily Cost: \$0

Cumulative Cost: \$322,642

7/20/2012 Day: 14

Completion

Rigless on 7/20/2012 - MIRU Baker frac equipment and Pure Energy wireline, - MI & RU Equipment for 20 stage Hydraulic Fracture; - Continue to MI & RU equipment for 20 stage hydraulic fracture, Pressure testing pump lines at present, Preparing to start frac stage #1. **Daily Cost:** \$0

Cumulative Cost: \$444,148

7/21/2012 Day: 15

Completion

Rigless on 7/21/2012 - continue hydraulic frac of 20 stages - Pressure test lubricator to 9,500 Psi, Started in hole with plug and guns, to perferate stage #2, - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.1 bpm 5,071 psi, Gave pump operator 5 mins heads up and he shut down pump, tools @ 11,455', Brought pump back on line and was able to continue to pump tools down passed setting depth, Pulled up to setting depth, Try to set plug with no indications of the tool firing, called in and reported failure and POH with tools, all tools recovered. No cause for failure with first look at tools, Replacing complete tool string and will rerun pump down for stage #4 perf's. - Could'nt get down to set plug and Perf. Stage #2,(Pressured Out) Came up and set plug and Perf. Stage #3, - OOH with stage #3 wireline, Plug appears to have set at 12,198¿ Perf. Interval 12,111.5¿-12,110¿, - 12,106.5¿-12,105¿, - 12,101.5¿- 12,100¿ 3spf ¿ 60 deg. Phasing ¿ 16 gram charges ¿ 27 holes, (All Guns Fired) laid tools down and dropped ball (Have not opened well up at this time) Dropped ball and noticed that mandrell in setting tool had came off, Retrieved ball off of top master valve, and called field Supt. Mandrell OD 3-3/8¿ ID 2-5/8¿ ¿ Fishing Neck O.D. 1.61 Overall length of Mandrell is 7.5 inches long, Decision was made to P/D 3.75 gauge ring and clear perfs or tag CFP at 12,198¿ Rigged up tools & Tested lubricator to 9500 psi, RIH with BHA on Electric Wireline as follows: 3.75 gauge ring, - 2-2.75x5¿ wt bars, - 2.75 quick change, - 2-2.75x7¿ wt bars 2¿x13¿ long fishing neck ¿ Total BHA Length 26¿9¿ long, Pumped down @ 8bpm at 3,776 psi Line tension @ 820# 95fpm Gauge ring quit moving @ 12,104¿ K/O Pumps and POH with wireline, installing Baker ground valve and Prep. To Hydraulic Fracture stage #3: - Pressured test lines to 10,025 Psi, Set pop off @ 9,800 Psi, (250 psi on N2 regulator, 2,000 psi on bottle), Pressured backside to 3,400 Psi, Set pop off @ 3,900 Psi, Started to pump stage #1, Open well with SICP 2,335 psi, Broke back @ 6,480 Psi at 3.4 bbls, Final injection 9,320 psi, FG .949, pumped 972 bbls, 61 bbls 15% HCI, Max pressure 9,410 Psi, Min pressure 7,065 Psi, Avg pressure 8,910 Psi, Avg rate 11 bpm, Only able to bring rate up to 16 bpm for Step rate after acid, Estimated 4 holes open, 2853 psi Perf fric, 1665 psi NWB fric (FracPro). Ran additional Acid sweep with additional rate to try to get better diversion at perfs. Saw good clean up and briefly saw 17bpm, but had to slowly reduce rate to 10bpm @ 9400psi. Decision was made to run 3rd Acid Sweep across perfs and move on to Stg 2. Good job by crew making adjustments to rate & job. Add pumps had trouble with low pump rates, caused adds to be off. Turn well over to wireline. - Pressure test lubricator to 9,500 Psi, Started in hole with plug and guns, Ran to liner top @ 7,519, Collar locator not working properly, POH with tools and check tools, Changed out collar locator and checked operation of same, - Set Pop offs & Kickouts and started Stage #3 Hydraulic Fracture, Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. Hydraulic Fracture Wasatch stage 3 as follows: Break down 17.1 bpm @ 5,495 psi. Avg rate: 58 bpm, Avg press: 8,095 psi, Max rate: 61. bpm, Max press: 8,630 Psi, FG.0.915, ISIP: 3,860 PSI, 5 MIN: 3,705 psi, 10 MIN: 3,690 psi. 15 MIN: 3,675 psi. Total RCP 30/50 White: 5,493 lbs, Total 30/50 White: 25,504 lbs. Total 15% FE acid 1,344 gal. Fluids ¿ FR water 3,054 BBLS. Avg HHP: 11,567. Total load to recover 3,285. Including 231 bbl on pump down.

Daily Cost: \$0

Cumulative Cost: \$546,326

7/22/2012 Day: 16

Completion

Rigless on 7/22/2012 - Frac stages #4 thru stage #7 - Changed out pumps, Pressured test lines to 10,025 Psi, Set pop off @ 9,800 Psi, (250 psi on N2 regulator, 2,000 psi on bottle), Pressured backside to 3,400 Psi, Set pop off @ 3,900 Psi, Started to pump stage #4, Open well with SICP 3,590 psi, Broke back @ 4,915 Psi at 13.6 bbls, Final injection 6,495 psi, FG .897, pumped 1574 bbls, 5.2 bbls 15% HCI, Max pressure 9,315 Psi, Min pressure 6,145

Psi, Avg pressure 8,060 Psi, Avg rate 55 bpm, pumping 1.25 lbs sand and screenout, surged well and trid to get back into stage, pressured out, flow well back to flow back tank to clean up, 29.5% OF THE DESIGNED PROPPANT WAS PLACED IN THE FORMATION. 15,140 LBS OF PROPPANT PLACED IN THE FORMATION. 2,569 LBS OF PROPPANT LEFT IN CASING. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.1 bpm 5,071 Psi. ok, Set plug at 11,969', Perforate Stage 4 at (11,925'-28'), (11,920'-23'), (11,915'-18'). Final pressure of 3,746' & Falling. . 3 1/8¿ guns at 60 degrees, 3 spf, 27 holes. POOH, all shots fired and all tools recovered, drop ball HF stage 4. NOTE: (On secondary inspection of tool from first run, found wire shorted out, causing failure to fire setting tool for plug). - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH with tools at report time, to perf stage #8. - Flow back 225 bbls fluid with small amount of sand in returns. Shut in well and flowback, Brought pumps back on line and begain flushing well bore, Pumped total of 628 bbls of flush (volume 3.5 times), last 80 bbls at 20 bpm @ Avg 9200 psi, dropped rate to 10 bpm @ 7,660 and falling slowly, shut in well and called in for orders, Will try to pump down guns only (no plug) and perf for stage 5, - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9 bpm 7,954 Psi. ok, No plug RIH over stage #4, Perforate Stage 5 at (11,724.5'-23'), (11,719.5'-18'), (11,713.5'-12'). Final pressure of 5,150 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 791 bbls on P/D, Prep. To Hydraulic Fracture Stage #5: - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9 bpm 5,264 Psi. ok, Set 10K CFTFP @ 11,409', Perforate Stage 7 at (11,370'-71.5'), (11,365.5'-66'), (11,360.5'-61'). Final pressure of 3,648 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 234 bbls on P/D, Prep. To Hydraulic Fracture Stage #7; - Location Safety Mtg. Prime pumps and test lines to 9,500 psi. OK. Hydraulic Fracture Wasatch stage 6 as follows: Break down 33.1 bpm @ 7,283 psi. Avg rate: 48 bpm, Avg press: 7,180 psi, Max rate: 50.0 bpm, Max press: 8,702 Psi. FG.0.922, ISIP: 3916 PSI, 5 MIN: 3,744 psi, 10 MIN: 3,719 psi. 15 MIN: 3,700 psi. Total 100 mesh White: 7,800 lbs, Total 30/50 White: 52,200 lbs. Total Prop 60,000 Total 15% HCL Acid 185 bbls. Avg HHP: 8,500. Total load to recover 3,799 bbls . Including 270 bbl on pump down -Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8 bpm 5686 Psi. ok, Set 10K CFTFP @ 11,582', Perforate Stage 6 at (11,546.5'-45'), (11,541.5'-40'), (11,536.5'-35'). Final pressure of 4560 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 270 bbls on P/D, Prep. To Hydraulic Fracture Stage #6; - Location Safety Mtg. Prime pumps and test lines to 9,500 psi, OK. Hydraulic Fracture Wasatch stage 5 as follows: Break down 43.1 bpm @ 7,744 psi. Avg rate: 52 bpm, Avg press: 7,384 psi, Max rate: 57.0 bpm, Max press: 8,620 Psi. FG.0.925, ISIP: 3936 PSI, 5 MIN: 3,720 psi, 10 MIN: 3,689 psi. 15 MIN: 3,670 psi. Total 100 mesh White: 6,750 lbs, Total 30/50 White: 38,250 lbs. Total Prop 45,000 Total 15% HCL Acid 193 bbls. Avg HHP: 9,320. Total load to recover 4,708 bbls. Including 791 bbl on pump down. -Location Safety Mtg. Prime pumps and test lines to 9,500 psi, OK. Hydraulic Fracture Wasatch stage 7 as follows: Break down 16.9 bpm @ 4,920 psi. Avg rate: 57 bpm, Avg press: 7,340 psi, Max rate: 59.0 bpm, Max press: 8,145 Psi. FG.0.834, ISIP: 3,930 PSI, 5 MIN: 3,725 psi, 10 MIN: 3,695 psi. 15 MIN: 3,670 psi. Total 100 mesh White: 7,728 lbs, Total 30/50 White: 54,054 lbs. Total Prop 61,781 Total 15% HCL Acid 90 bbls. Avg HHP: 10,326. Total load to recover 3,522 bbls . Including 220 bbl on pump down

Daily Cost: \$0

Cumulative Cost: \$675,647

7/23/2012 Day: 17

Completion

Rigless on 7/23/2012 - Perf & frac stage #8 & #9 of 20 Stages - Location Safety Mtg. Prime pumps to test lines, for frac of stage #11 at report time. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.4 bpm 5,960 Psi. ok, plug set 10,641', Perforate Stage #11 at (10,600- 01.5'), (10,595'-96.5'), (10,590'-91.5'). Final pressure of 3,783 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes.

POOH All Guns Fired, Used 145 bbls on P/D, Prep To Hydraulic Fracture Stage #11. - Shut down and tighten flange on BOP stack fix leak in pump line, and rubber seal in flowback line, all repairs completed and tested, Good, prepare to perf stage #11 - Location Safety Mtg. Prime pumps and test lines to 9,900 psi, OK. Hydraulic Fracture Wasatch stage #10 as follows: Break down 17 bpm @ 5,500 psi. Avg rate: 48 bpm, Avg press: 8,300 psi, Max rate: 62 bpm, Max press: 9,580 Psi. FG.0.953, ISIP: 4,160 PSI, 5 MIN: 3,825 psi, 10 MIN: 3,790 psi. 15 MIN: 3,779 psi. Total 100 mesh White: 5,272 lbs, Total 30/50 White: 25,873 lbs. Total Prop 31,145 Total 15% HCL Acid 120 bbls. Avg HHP: 9,785. Total load to recover 2,642 bbls Including 161 bbl on pump down; - Prep. To swap out 1 pump and repair check valves and replace ground valve, Check valves and ground valve on location chemicals on location, Acid transport in route to get more acid, Have enough acid on location for 1 more stage, Approx. 2 HRS before starting Hydraulic Fracture stage #10; - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.9 bpm 4,651 Psi. ok, plug set 10,812', Perforate Stage #10 at (10,778- 79.5'), (10,773'-74.5'), (10,768'-69.5'). Final pressure of 4,176 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 194 bbls on P/D, Prep To Hydraulic Fracture Stage #10. - Location Safety Mtg. Prime pumps and test lines to 9,931 psi, OK. Hydraulic Fracture Wasatch stage #9 as follows: Break down 52 bpm @ 7487 psi. Avg rate: 50 bpm, Avg press: 7,176 psi, Max rate: 53. bpm, Max press: 7968 Psi. FG.0.941, ISIP: 4,063 PSI, 5 MIN: 3,788 psi, 10 MIN: 3,759 psi. 15 MIN: 3,743 psi. Total 100 mesh White: 7,651 lbs, Total 30/50 White: 54,031 lbs. Total Prop 61,682 Total 15% HCL Acid 198 bbls. Avg HHP: 8,864. Total load to recover 3,558 bbls Including 270 bbl on pump down; - Down 3.5 Hrs for Arrival and installation of 3" ground Valve (BakerHughes) Installed and Retested to 10,000 psi (Good Test) start stage #9 Hydraulic Fracture; - Held PJSM, RU WL for pump down, Test to 9,500 Psi, OK, RIH, Pump down with max pump rate of 9 bpm 7,549 Psi. ok, plug set 11,018', Perforate Stage #9 at (10,975.5-76'), (10,970.5'-71'), (10,964.5'-65'). Final pressure of 4,376 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 267 bbls on P/D, Prep To Hydraulic Fracture Stage #9. - Location Safety Mtg. Prime pumps and test lines to 9,931 psi, OK. Hydraulic Fracture Wasatch stage #8 as follows: Break down 20.1 bpm @ 5,630 psi. Avg rate: 52 bpm, Avg press: 7,765 psi, Max rate: 52. bpm, Max press: 9,405 Psi. FG.0.964, ISIP: 4,250 PSI, 5 MIN: 3,755 psi, 10 MIN: 3,725 psi. 15 MIN: 3,705 psi. Total 100 mesh White: 7,692 lbs, Total 30/50 White: 45,505 lbs. Total Prop 53,197 Total 15% HCL Acid 90 bbls. Avg HHP: 9,878. Total load to recover 3,254 bbls. Including 216 bbl on pump down. Note:(down for leak on blender repairs, (1 hour) ((resumed frac at 03:00am)). - RIH. Pump down with max pump rate of 9 bpm 4,088 Psi. ok, Set 10K CFTFP @ 11,191', Perforate Stage #8 at (11,546.5'-49'), (11,541.5'-44'), (11,536.5'-39'). Final pressure of 3,658 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 151 bbls on P/D, Prep. To Hydraulic Fracture Stage #8.

Daily Cost: \$0

Cumulative Cost: \$830,409

7/24/2012 Day: 18

Completion

Rigless on 7/24/2012 - finished stage#12 frac, shut down for HCR valve repairs, (down time 15 hrs) resumed operations at 23:00 hrs. - Shut down and tighten flange on BOP stack, Replace leaking seal on pump line and one on flowback line. All leaks repared or replaced, Test all line, test good, turn over to W/L for stage 12 perf's. - Location Safety Mtg. Prime pumps and test lines to 10,060 psi, OK. Hydraulic Fracture Wasatch stage #11 as follows: Break down 17.6 bpm @ 5,565 psi. Avg rate: 54 bpm, Avg press: 8,380 psi, Max rate: 56 bpm, Max press: 9,300 Psi. FG.0.907, ISIP: 4,010 PSI, 5 MIN: 3,815 psi, 10 MIN: 3,795 psi. 15 MIN: 3,775 psi. Total 100 mesh White: 7,703 lbs, Total 30/50 White: 53,962 lbs. Total Prop 61,665 Total 15% HCL Acid 90 bbls. Avg HHP: 11,009. Total load to recover 2,574 bbls Including 158 bbl on pump down; - - Well turned over to Pure Energy for stage#13 perf's, PUMU plug and guns for perf run at report time, (Guns were left off of wire line while valve repairs were being done around well head.) - 7¿ 3,267 psi, 4.5½ 3,258 psi, N2 245 psi

regulator, 1,800 psi bottle, Down time from 19:00 ¿ 23:00 on night shift, (4Hrs). Inspected actuator and found stopping nut had worked loose and fell into hydraulic cylinder and stopping hydraulic piston from opening all the way open, Weatherford's service tech replaced stopping nut and put thread lock (lock tight) on set screw and replaced top bonnet and ¿O¿ring for manual hand wheel. function tested HCR valve, valve operating as designed, Pressured test HCR valve 9,909 Psi, tested good, Put Baker on line and tested surface frac equipment, tested good, called and reported repairs, Told to continue with frac operations. Weatherford's service tech repaired HCR hydraulic cylinder and replaced the following replacement parts: Replaced the Stopping Nut, Top Bonnet for hydraulic cylinder on HCR unit, and ¿O¿ring on manual hand wheel, No problems with the valve's gate, all problems was in hydraulic cylinder. - RIH. Pump down with max pump rate of 8.8 bpm 5,354 Psi. ok, Set 10K CFTFP @ 10,424', Perforate Stage #12 at (10,385.5'-86'), (10,380.5'-81'), (10,274.5'-75'). Final pressure of 3,736 psi & Falling. 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired. Used 130 bbls on P/D, Prep. To Hydraulic Fracture Stage #12. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. Start RIH and tag on Bottom HCR pick up and check valves all open and found lower HCR half open, Call Weatherford wellhead service Tech. - Location Safety Mtg. Prime pumps and test lines to 9,922 psi, OK. Resume Hydraulic Fracture Wasatch stage #12 as follows: Break down 18.0 bpm @ 6,125 psi. Avg rate: 52 bpm, Avg press: 7,635 psi, Max rate: 54 bpm, Max press: 8,535 Psi. FG.0.935, ISIP: 4,019 PSI, 5 MIN: 3,843 psi, 10 MIN: 3,808 psi. 15 MIN: 3,789 psi. Total 100 mesh White: 7,793 lbs, Total 30/50 White: 47,229 lbs. Total Prop 55,022 Total 15% HCL Acid 90 bbls. Avg HHP: 9,675. Total load to recover 3,761 bbls Including 130 bbl on pump down; - Replacing ring gasket and tighten flange, Will retest line and reset pop off and continue with rest of stage #12 at that time. (repair time about 1 hour). - Location Safety Mtg. Prime pumps and test lines to 9,931 psi, OK. Hydraulic Fracture Wasatch stage #12 as follows: NOTE: ((Over flushed 4.5" to perf's of sand, shut down frac stage, replace flange ring and tighten top manual frac valve and flowcross flange, (viberated loose.) Tighten flange,) Retested frac lines and reset pop off and continued stage #12 frac. Down time 1 hour.)) - Weatherford service tech in route. 1100 AM Weatherford service tech arrived on location, Grease valve and cycle, valve continued to open up to half position, Pressure up on accumalator to 2,000 PSI. and cycle valve continueing to open to half position, Change out quick connect on HYD hoses and on accuator and cycle valve valve continueing to open to half position, Take quick connects off of accuator and tap on stem, stim would not move, pump grease into valve and pressured up to 5,000 psi abd cycle valve continueing to open to half position, put bleeder valve on grease port to bleed off and port had no pressure, put test pump onto grease port and pressured up to 5,000 PSI. with no bleed off, bleed off and pressure up again to 5,000 PSI with no bleed off, put grease port back on, cycle valve continueing to open to half position. 1800 PM Start to break down HYD accuator, to inspect accuator.

Daily Cost: \$0

Cumulative Cost: \$928,847

7/25/2012 Day: 19

Completion

Rigless on 7/25/2012 - Perf & frac stages #13-14-15-16-17. - Location Safety Mtg. Prime pumps and test lines to 9,863 psi, OK. Hydraulic Fracture Wasatch stage #13 as follows: Break down 27.1 bpm @ 6,755 psi. Avg rate: 54 bpm, Avg press: 7,220 psi, Max rate: 55 bpm, Max press: 7,975 Psi. FG.0.924, ISIP: 3,930 PSI, 5 MIN: 3,810 psi, 10 MIN: N/A psi. 15 MIN: N/A psi. Total 100 mesh White: 7,779 lbs, Total 30/50 White: 53,751 lbs. Total Prop 61,529 Total 15% HCL Acid 90 bbls. Avg HHP: 9,609. Total load to recover 3,394 bbls Including 152 bbl on pump down; - RIH. Pump down with max pump rate of 9 bpm 4,378 Psi. ok, Set 10K CFTFP @ 10,050', Perforate Stage #14 at (10,005.5'-06'), (10,000.5'-01'), (9,994.5'-95'). Final pressure of 3,710 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 111 bbls on P/D, Prep. To Hydraulic Fracture Stage #14. - Change out crews, Location Safety Mtg. Prime pumps and test lines to 9,892 psi, OK. Hydraulic Fracture Wasatch stage #14 as follows: Break down 22.3 bpm @ 5,750 psi. Avg

rate: 54 bpm, Avg press: 7,280 psi, Max rate: 54 bpm, Max press: 7,900 Psi. FG.0.927, ISIP: 3,955 PSI, 5 MIN: 3,805 psi, 10 MIN: 3,780 psi, 15 MIN: 3,759 psi, Total 100 mesh White: 7,711 lbs, Total 30/50 White: 53,914 lbs. Total Prop 61,625 Total 15% HCL Acid 90 bbls. Avg HHP: 9,582. Total load to recover 3,302 bbls Including 149 bbl on pump down; - RIH. Pump down with max pump rate of 8 bpm 4,220 Psi. ok, Set 10K CFTFP @ 9,870', Perforate Stage #15 at (9,830'-31.5'), (9,825'-26.5'), (9,820'-21.5'). Final pressure of 3,804 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 119 bbls on P/D, Prep. To Hydraulic Fracture Stage #15. - Location Safety Mtg. Prime pumps and test lines to 9,973 psi, OK. Hydraulic Fracture Wasatch stage #15 as follows: Break down 49.3 bpm @ 8,199 psi. Avg rate: 49 bpm, Avg press: 6,738 psi, Max rate: 50 bpm, Max press: 8,199 Psi. FG.0.942, ISIP: 4,070 PSI, 5 MIN: 3,809 psi, 10 MIN: 3,785 psi. 15 MIN: 3,769 psi. Total 100 mesh White: 7,822 lbs, Total 30/50 White: 53,805 lbs. Total Prop 61,626 Total 15% HCL Acid 105 bbls. Avg HHP: 8,026. Total load to recover 3,209 bbls Including 119 bbl on pump down; - RIH. Pump down with max pump rate of 8 bpm 4,220, 1230 PM Pumped down to 9,750¿ picked up to plug depth @ 9,697¿ went to set plug and had dead short, plug did not set, set there for 8 min with no indication of plug setting, pull out of hole slow at 100 FPM, 1300 PM Wireline at surface inspect, found fireing cap failed, change out plug and setting tooland inspect guns, 1330 PM Rig up and pressure test Lubricator and pressure test, RIH and pump down with max pump rate of 8 bpm 4,986 Psi. to 9,750' - RIH. Pump down with max pump rate of 8 bpm 4,986 Psi. ok, Set 10K CFTFP @ 9,697', Perforate Stage #16 at (9,655'-56.5'), (9,650'-51.5'), (9,645'- 46.5'). Final pressure of 3,831 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 257 bbls on P/D, Prep. To Hydraulic Fracture Stage #16. - Location Safety Mtg. Prime pumps and test lines to 9,831 psi, OK. Hydraulic Fracture Wasatch stage #16 as follows: Break down 44.1 bpm @ 8,300 psi. Avg rate: 50 bpm, Avg press: 6,824 psi, Max rate: 52 bpm, Max press: 8,300 Psi. FG.0.920, ISIP: 3,901 PSI, 5 MIN: 3,818 psi, 10 MIN: 3,795 psi. 15 MIN: 3,774 psi. Total 100 mesh White: 7,888 lbs, Total 30/50 White: 54,880 lbs. Total Prop 62,768 Total 15% HCL Acid 91 bbls. Avg HHP: 8,396. Total load to recover 3,247 bbls Including 257 bbl on pump down; -RIH. Pump down with max pump rate of 9 bpm 4,113 Psi. ok, Tried to set 10K CFTFP, tools missed fired, No apparent reaction from tools, Wait on plug to set, Nothing, POH with tools and will replace tool string with new one and rerun stage #17 perf's tools. - RIH. Pump down with max pump rate of 9 bpm 4,315 Psi. ok, Set 10K CFTFP @ 9,480', Perforate Stage #17 at (9,445'-46.5'), (9,440'-41.5'), (9,435'- 36.5'). Final pressure of 3,605 psi & Falling. 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 181 bbls on P/D, Prep. To Hydraulic Fracture Stage #17. - RIH. Pump down with max pump rate of 9 bpm 5,703 Psi. ok, Set 10K CFTFP @ 10,254', Perforate Stage #13 at (10,215.5'-16'), (10,210.5'-11'), (10,204.5'-05'). Final pressure of 3,722 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 141 bbls on P/D, Prep. To Hydraulic Fracture Stage #13. - Location Safety Mtg. Prime pumps and test lines to 9,979 psi, OK. Hydraulic Fracture Wasatch stage #17 as follows: Break down 16.9 bpm @ 5,055 psi. Avg rate: 54 bpm, Avg press: 6,985 psi, Max rate: 56 bpm, Max press: 7,850 Psi. FG.0.923, ISIP: 3,920 PSI, 5 MIN: 3,835 psi, 10 MIN: 3,790 psi. 15 MIN: 3,760 psi. Total 100 mesh White: 7,676 lbs, Total 30/50 White: 57,133 lbs. Total Prop 64,809 Total 15% HCL Acid 90 bbls. Avg HHP: 9,502. Total load to recover 3,286 bbls Including 181 bbl on pump down;

Daily Cost: \$0

Cumulative Cost: \$1,052,916

7/26/2012 Day: 20

Completion

Rigless on 7/26/2012 - Finish 20 stage frac. - Location Safety Mtg. Prime pumps and test lines to 9,979 psi, OK. Hydraulic Fracture Wasatch stage #18 as follows: Break down 22.7 bpm @ 5,595 psi. Avg rate: 54 bpm, Avg press: 7,040 psi, Max rate: 55 bpm, Max press: 8,100 Psi. FG.0.925, ISIP: 3,940 PSI, 5 MIN: 3,860 psi, 10 MIN: 3,820 psi. 15 MIN: 3,795 psi. Total 100 mesh White: 7,675 lbs, Total 30/50 White: 55,284 lbs. Total Prop 62,959 Total 15% HCL Acid 91 bbls. Avg HHP: 9,249. Total load to recover 3,103 bbls Including 138 bbl on pump down; -

RIH. Pump down with max pump rate of 9 bpm 4,022 Psi. ok, Set 10K CFTFP @ 9,089', Perforate Stage #19 at (9,052-53.5'), (9,047-48.5'), (9,041-42.5"). Final pressure of 3,989 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 181 bbls on P/D, Prep. To Hydraulic Fracture Stage #19. - Location Safety Mtg. Prime pumps and test lines to 9,982 psi, OK. Hydraulic Fracture Wasatch stage #19 as follows: Break down 22.7 bpm @ 6,090 psi. Avg rate: 53 bpm, Avg press: 6,970 psi, Max rate: 57 bpm, Max press: 8,528 Psi. FG.0.925, ISIP: 3,934 PSI, 5 MIN: 3,837 psi, 10 MIN: 3,796 psi. 15 MIN: 3,766 psi. Total 100 mesh White: 3,523 lbs, Total 30/50 White: 59,813 lbs. Total Prop 63,336 Total 15% HCL Acid 90 bbls. Avg HHP: 9,071. Total load to recover 3,125 bbls Including 66 bbl on pump down; - Wire line will be down for about 1 hour due to coolant hose. - RIH. Pump down with max pump rate of 8 bpm 3,851 Psi. ok, Set 10K CFTFP @ 8,922', Perforate Stage #20 at (8,880-81.5'), (8,875-76.5'), (8,869 - 70.5"). Final pressure of 3,501 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 58 bbls on P/D, Prep. To Hydraulic Fracture Stage #20. - Location Safety Mtg. Prime pumps and test lines to 9,844 psi, OK. Hydraulic Fracture Wasatch stage #20 as follows: Break down 10.2 bpm @ 4,377 psi. Avg rate: 54 bpm, Avg press: 7,095 psi, Max rate: 57 bpm, Max press: 8,617 Psi. FG.0.926, ISIP: 4,108 PSI, 5 MIN: 3,891 psi, 10 MIN: 3,863 psi. 15 MIN: 3,841 psi. Total 100 mesh White: 2,407 lbs, Total 30/50 White: 54,939 lbs. Total Prop 57,346 Total 15% HCL Acid 90 bbls. Avg HHP: 9,373. Total load to recover 3,098 bbls. - RU test lubricator to 7,500 psi. test good, bleed down to well pressure RIH. Kill plug # 1, Set 10K CFP @ 7,690' Pull out of hole, Bleed down pressure to 0 psi and perform negitive test, test good, RU test lubricator to 7,500 psi. test good, bleed down to 0 psi, RIH. Kill plug # 2, Set 10K CFP @ 7,640' Pull out of hole, Well shut in and secured. - Start RDMO Pure wire line unit and baker HF equipment 1830 PM All HF equipment and wire line off location, stand by for weatherford bop stack ETA 2100 PM - RIH. Pump down with max pump rate of 8.8 bpm 4,062 Psi. ok, Set 10K CFTFP @ 9,262', Perforate Stage #18 at (9,235'-36.5'), (9,230'-31.5'), (9,224'- 25.5'). Final pressure of 3,635 psi & Falling. . 2-3/4" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH All Guns Fired, Used 138 bbls on P/D, Prep. To Hydraulic Fracture Stage #18. - 1830 PM All HF equipment and wire line off location, stand by for weatherford bop stack ETA 2400 PM. Arrived location 24:00 PM.

Daily Cost: \$0

Cumulative Cost: \$2,025,224

7/27/2012 Day: 21

Completion

Rigless on 7/27/2012 - Nipple down frac stach, Nipple up and test BOP drill out stack. - ND frac stack & NU BOP Stack, No spacer spool sent out with BOP stack, - Wait on Weatherford to bring out spacer spool to go between frac valve and single BOP, unable to get handle on frac valve to close and open valve. - Continue to nipple up BOP stack, - 0800 AM Western WSU arrived begin MIRU, Continue torqueing up BOP stack, prepare to start pressure testing stack, 1030 AM BOP stack torqued up WSU rigged up Start testing BOP stack 1415 PM Pressure testing completed Tested Good, Continue to RU weatherford CSG crew, Prepare to start pulling 4.5" frac string - 1615 PM Opened 7¿ to tanks and bleed to 0 psi. Pulled 2 way check 4.5¿ frac string 0 PSI. Made up 4.5¿ joint and Backed out locking pins, Picked up on 4.5¿ frac string to 74K and pulled up out of seal assembly, continued to pick up and weight leveled out at 68K, Continue to pull out of hole laying down. - 19:00 ¿ 21:00 7¿ cgs 0 PSI. Well dead. No drag on 4 1/2" while pulling, Pipe free. POH with 4 1/5¿ frac string and lay down same, POH and breaking threads at 10 RPM per jt (TH Hill rep on location) to insure no galling of threads. Lay out on racks and load onto Runner's trucks to be returned for inspection. Thread has some galling on threads, and has insert marks on upper threads, could be tongs marks, But actual source of marks unknown. The marks were on casing when pulled from well bore. Laid down 175 jts 4 1/2" 13.5# P-110 casing and seal bore assembly.

Daily Cost: \$0

Cumulative Cost: \$2,118,732

7/28/2012 Day: 22

Completion

Rigless on 7/28/2012 - ND/NU BOP's, PUMU 2 3/8 PH-6 tbg BHA #1 for drill CoFP out, RIH with same - Continue to RIH- BHA #1 consisting of 5 blade Concave junk mill 3.72¿ OD X 1.00 long, X-Over 2.88 OD X 1.38 ID X .75 long, Dual back pressure valve 2.88 OD X 1.00 ID X 2.00 long, X-Over 3.13 OD X 1.38 ID X 1.17 long, 1 JT 2 3/8¿ TBG P-110, 5.95#, and RN-Nipple 2.88 OD X 1.71 ID with no go .98 long, and start in hole with BHA # 1. Filling tubing every 1000¿ while going in hole. At present time we have 180 its in hole at 5,659¿, (Liner top 7,506), 239 jts to liner. ¿R¿ nipple ran between jts 179 & 180 @ 5,628¿ - Finish rigging down Weatherford's casing crew and equipment, laying out 2 3/8 PH-6 workstring, and tally, change BOP stack and pipe rams and test same, - 7¿ cgs 0 PSI. Well dead. Laid out and tally 2 3/8, 5.95#, P-110, PH-6 tubing on racks, MIRU Weatherford and change out BOP stack and pipe rams and retest stack. - 1500 PM Pressure testing completed test good 250 psi low and 5000 psi high tested annular bag 250 low and 4,300 psi high, Pick up BHA #1 consisting of 5 blade Concave junk mill 3.72¿ OD X 1.00¿ long, X-Over 2.88 OD X 1.38 ID X .75 long¿, Dual back pressure valve 2.88 OD X 1.00 ID X 2.00 long, X-Over 3.13 OD X 1.38 ID X 1.17 long, 1 JT 2 3/8¿ TBG P-110, 5.95#, and RN-Nipple 2.88 OD X 1.71 ID with no go .98 long, and start in hole with BHA # 1.

Daily Cost: \$0

Cumulative Cost: \$2,170,015

7/29/2012 Day: 23

Completion

Rigless on 7/29/2012 - PUMU swivel and drill plug, C/O to PBTD - 1415 PM Circulated 270 BBLS around continue drilling on Plug #6 at 9,8702, Drilled through plug #6 in 32 mins. PU WT 30K SO WT 26K NEU WT 28K currently pumping 3.5 bpm 4,000 psi, returns 3.5 bpm 2,750 psi. Continue rotating and circulating to plug #7 1533 PM Tagged Plug #7 at 10,050', Drilled through plug #7 in 26 mins. PU WT 37K SO WT 31K NEU WT 35K currently pumping 3.5 bpm 4,500 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #8 1640 PM Tagged Plug #8 at 10,254', Drilled through plug #8 in 20 mins. PU WT 36K SO WT 28K NEU WT 32K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #9 1730 PM Tagged Plug #9 at 10,424', Drilled through plug #9 in 20 mins. PU WT 34K SO WT 28K NEU WT 30K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #10 1840 PM Tagged Plug #10 at 10,812', Drilled through plug #10 in 20 mins. PU WT 34K SO WT 28K NEU WT 30K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #11 - 1900 PM Tagged Plug #11 at 10,912', Pick up and start circulating borroms up, Continue rotating and working TBG. PU WT 34K SO WT 28K NEU WT 30K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 Psi, 22:00 PM Pump bottoms up PU WT 34K SO WT 28K NEU WT 30K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating bottom up from plug #11 (10,641¿), getting sand and CoFP cuttings, Circulate well clean, - Drilling out plug 1 with 2,500 psi circulation, at 3 ½ bpm 2,500 psi, drilled thru plug #2 well bore psi 2,500 psi, no change. Drill out kill plug #1 -5:00 mins, (7,640¿) circ 5 mins (jt 244), Drill out kill plug #2 - 10 mins, (7,690¿)(jt 246), Pump sweep and circulate bottoms up on first two plugs, 3 ½ bpm at 2,500 psi. 1 hr 10min pump time. Wt up 26,000, S/O 18,000, neutral 24,000. Drilled thru plug #2 well bore psi 2,500 psi, no psi change after drilling out kill plug #2. Hang back swivel and RIH 49 its tbg, tag CoFP #19 - 0628 AM Tagged Plug #1 at 8,922', Drilled through plug #1 in 25 mins. PU WT 28K SO WT 20K NEU WT 24K currently 0737 AM Tagged Plug #2 at 9,089', Drilled through plug #2 in 11 mins. PU WT 28K SO WT 20K NEU WT 24K currently pumping 3.5 bpm 4,600 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #3 0820 AM Tagged Plug #3 at 9,262', Drilled through plug #3 in 23 mins. PU WT 28K SO WT 20K NEU WT 24K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #4 1021 AM Tagged Plug #4 at 9,480', Drilled through plug #4 in xx mins.

PU WT 28K SO WT 20K NEU WT 24K currently pumping 3.5 bpm 4,200 psi, returns 3.5 bpm 2,750 psi. Continue rotating and circulating to plug #5 1021 AM Tagged Plug #4 at 9,480', Drilled through plug #4 in 27 mins. PU WT 28K SO WT 20K NEU WT 24K currently pumping 3.5 bpm 4,200 psi, returns 3.5 bpm 2,750 psi. Continue rotating and circulating to plug #5 1126 AM Tagged Plug #5 at 9,697', Drilled through plug #5 in 15 mins. PU WT 28K SO WT 20K NEU WT 24K currently pumping 3.5 bpm 4,200 psi, returns 3.5 bpm 2,750 psi. Continue rotating and circulating to plug #6 - 1220 PM Tagged Plug #6 at 9,870¿ pick up and start circulating bottoms up. Continue rotating and working TBG. PU WT 28K SO WT 20K NEU WT 24K currently pumping 3.5 bpm 4,200 psi, returns 3.5 bpm 2,750 psi. - Swab out Cudd pump trucks, and continue to drill out CoFP #11. PU WT 34K SO WT 28K NEU WT 30K. 22:00 PM Tagged Plug #11 at 10,812', Drilled through plug #11 in 17 mins. PU WT 34K SO WT 28K NFU WT 30K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #12 (11,018c) 11:37 PM Tagged Plug #12 at 11,018', Drilled through plug #12 in 22 mins. PU WT 34K SO WT 28K NEU WT 30K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #13 (11,191¿) -Continue to RIH- BHA #1 consisting of 5 blade Concave junk mill 3.72¿ OD X 1.00¿ long, X-Over 2.88 OD X 1.38 ID X .75 long, Dual back pressure valve 2.88 OD X 1.00 ID X 2.00 long, X-Over 3.13 OD X 1.38 ID X 1.17 long, 1 JT 2 3/8¿ TBG P-110, 5.95#, and RN-Nipple 2.88 OD X 1.71 ID with no go .98 long, and start in hole with BHA # 1. Filling tubing every 1000& while going in hole. (Liner top 7,506), 239 its to liner. ¿R¿ nipple ran between its 179 & 180 @ 5,628¿, Tag liner top 7,506' work thru and tagged #1 kill plug at 7,640', - 01:00 ¿ 03:00 AM PUMU swivel on two line system for swivel, had to hang two lines from derrick, PUMU tbg jt and break circulation with 2,500 psi circulation,

Daily Cost: \$0

Cumulative Cost: \$2,212,246

7/30/2012 Day: 24

Completion

Rigless on 7/30/2012 - C/O to PBTD and circ clean, POH laying down 2 3/8 PH-6 workstring on rack 310 jts. - 0700 AM continue circulating bottoms up. 0820 AM Circulated 800 BBLS around, Got sand and plug cuttings back, circulated clean. 0823 AM Tagged Plug #16 at 11,969', Drilled through plug #16 in 22 mins. PU WT 37K SO WT 27K NEU WT 34K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #17, at 12.1982 with setting tool mandrel on top of plug 0924 AM Tagged Plug #17 at 12,198', Set 2K down on plug and plug continued moving down hole, continue to rotate and circulating pushing plug down, PU WT 37K SO WT 27K NEU WT 34K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to PBTD 1015 AM Pushed Plug #17 down and tagged at 12,433', Continue drilling setting 2K to 8K down on plug and plug, PU WT 37K SO WT 27K NEU WT 34K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating 1415 PM Continue rotating and circulating at 12,433', setting various weights down on obstruction from feathering to 8K down, with FS torque 800 PSI and drilling torque 2,400 PSI with 8K setting down, attempted setting down with no rotation setting down 8K, attempted tapping down setting down 8K each with no success, continue rotating and circulating , PU WT 37K SO WT 27K $NE\bar{U}$ WT 34K 1545 PM Depth 12,4332, Well circulated clean no sand or plug parts in returns, circulated 1056 bbls with sweeps since 1015 AM. Currently laying down swivel preparing to pull out of hole laying down TBG. - 04:15 AM to tagged plug #16, Pump bottoms up PU WT 26K SO WT 20K NEU WT 16K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating bottom up from plug #16 (11,969¿), getting sand and plug cuttings, Circulate well clean. Pumping two time well volume. - 00:15 AM Tagged Plug #13 at 11,191', Drilled through plug #13 in 19 mins. PU WT 26K SO WT 18K NEU WT 26K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #14 (11,409¿) 01:25 AM Tagged Plug #14 at 11,409', Drilled through plug #14 in 23 mins. PU WT 26K SO WT 20K NEU WT 16K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #15 (11,582¿) 02:25 AM Tagged Plug #15 at

11,582', Drilled through plug #15 in 27 mins. PU WT 26K SO WT 20K NEU WT 16K currently pumping 3.5 bpm 4,400 psi, returns 3.5 bpm 2,700 psi. Continue rotating and circulating to plug #16 (11,969¿) Washed down 8 jts of sand to tag plug #16, No plug set on stage #5, (No plug between stages #4 and #6) - PUMU tubing hanger to land tubing in well head to MIRU Cudd snubbing unit. - 19:00 ¿ 23:00 Continue to POH and lay down 2 3/8¿ PH-6 work string on racks, POH with 4,000 over pull of tubing wt. Tubing free and pulling smooth. POH and laid down 310 jts 2 3/8¿ PH-6 5.95# P-110 tubing. RDMO Graco hydro walk, Land tubing on hanger, Close in well and MIRU Cudd snubbing unit. - 1630 PM pull out of hole laying down TBG. Pick up weight 37K. SICP 2,750 PSI.

Daily Cost: \$0

Cumulative Cost: \$2,250,297

7/31/2012 Day: 25

Completion

Rigless on 7/31/2012 - lay down 2 3/8 tbg, rig up snubbing unit, Finish laying down 2 3/8 workstring, RDMO snubbing unit, MIRU Perforators wireline and RIH gauge ring, RIH and set Baker Hornet pkr, @7,455', POH with setting tool. - 20:00 ¿ 00:00 PM 7¿ SICP 2,800 psi RIH with Baker 10K hornet packer, with 10k rupture disc and set 7,455¿ (collar @ 7,479¿ liner top 7,5152), POH with setting tool at report time. - RIH with JB and 6.02" OD GR. 7,515' Top of 4 1/2" liner top. POH with same, Wait on lighting storm to move thru area before Picking up pkr and setting tool, (due to lighting in area and charge in setting tool 1/2 hr). Lay down gauge ring all tools recovered, Rigging up to RIH with Baker 10K hornet packer, with 10k rupture disc and set 7,455¿ collar @ 7,479¿ liner top 7,515¿ - 1545 PM RDMO Cudd snubbing unit MIRU Perforators for GRJB run for Baker 10K hornet packer. 1845 PM Pressure test lubricator, test good, Prepare to rih with JB and 6.02" OD GR. - 0000 -0130 Rig down Gracois lay down machine, move off location, - 0800 AM Start pressure testing snubbing stack, 250 psi low and 4,500 psi high. - 0400 - 0700 BOP stack 0 psi, 7¿ cgs 2,800 psi Rig down floor and spot in Cudd snubbing unit. Nipple down bag and single BOP (Removed single BOP because of stack height) and Rig up Cudd¿s snubbing unit. - 0130 -0400 (2 ½ hrs) BOP stack 0 psi, 7¿ cgs 2,800 psi Try to land tubing on hanger in well head, Unable to get 2 7/8 tubing jt to slide thru bag, (We were pipe heave, 2 3/8 pipe and collars would go down thru bag), PUMU 20 its 2 3/8 PH-6 tbg to insure of being pipe heavy and to add more tubing weight, still unable to hang off tubing, Flushed BOP stack and worked bag pressure and able to free up bag, lost hanger seal and pulled up and replaced hanger seal, and were finally able to get 2 7/8¿ landing jt to slide thru bag, Hung off tubing in well head, set pins on hanger, and bleed well pressure off BOP stack. Stack 0 psi, 72 2,800 psi. - 1030 AM Cudd Snubbing rigged up and pressure testing completed, Continue to pull out of hole laying down TBG. 1415 PM Continue to snub out of hole 40 JTS remaining. 1545 PM All 2 3/8¿ TBG and BHA #1 at surface RDMO Cudd snubbing unit MIRU Perforators for GRJB run for Baker 10K hornet packer

Daily Cost: \$0

Cumulative Cost: \$2,355,527

8/1/2012 Day: 26

Completion

Rigless on 8/1/2012 - Set packer, land TBG, RDMO, Turn over to production - 1400 PM Start ND BOP stack, NU Production tree 1645 PM Tree NU start pressure testing tree and hanger 250 PSI low and 10,000 PSI high - 01:00 à 04:00 AM 7à 0 psi Shut manual frac valve and bleed off well bore pressure (2,800 psi), and take negative pressure test, Well dead. RDMO Perforators wireline, Change out rams from 2 3/8 to 2 7/8 and test stack 250 low and 4,500 high, tested good. Rig up rig floor to RIH production tubing, - Tally 2 7/8" 6.5# L-80 8rd tubing, PUMU & RIH as follows: (Long string) 5 1/2à X 2 7/8à X (2.313 ID) retrieving head for On-Off tool (1.55à), 2 7/8à 6.5# L-80 EUE 8rd tbg jt (32.43à), 2 7/8à Baker X Nipple (1.33à), 125 jt of 2 7/8à 6.5# L-80 EUE 8rd tbg, - 1900 PM WSU, & Cudd pump off location, Turn well over to production., Prepare to open up to production tanks - 1830 PM Pressure testing

completed, Test good, Rig laid down, Start pumping down tbg and pump off plug at 1 BPM and sheared at 4,400 PSI. pump 5 bbls over at 2 BPM at 2,846 PSI. and shut down with SICP 2,700 PSI. - 00:00 ¿ 01:00 PM 7¿ SICP 2,800 psi RIH with Baker 10K hornet packer, with 10k rupture disc and set 7,455½ (collar @ 7,479½ liner top 7,515½), POH with setting tool and all tools recovered, RDMO Perforators Wireline, - 0800 AM - Tagged Packer on jt.#232 @ 7,452' spaced out to have 12,000# on pkr. P/U and lay 1 joint down, with 231 jts in. Start reverse Circulating Pkr fluid with Biocide around. 1400 PM Pressure tested pkr. to 2,000 psi (Good Test) released pressure off of 7", tested hanger to 250 psi low for 5 minutes & 4,500 psi high for 10 minutes (Good test and chart in well file), Had to Replace rubber on hanger, while setting hanger the picked to make sure tbg was still JED on, it appeared the hanger seal rolled up and cut the rubber and had to replace, Start RDMO BOP stack, prepare to NU tree and test hanger and tree (250 low and 10,000 PSI high) - 0700 AM continue to TIH with baker on/off tool

Daily Cost: \$0

Cumulative Cost: \$2,456,016

8/2/2012 Day: 27

Completion

Rigless on 8/2/2012 - Release equipment and catch up cost - Release equipment and catch up cost

Daily Cost: \$0

Cumulative Cost: \$2,466,573

8/5/2012 Day: 28

Completion

Rigless on 8/5/2012 - Capture final costs in DCR - Cost adjustment in DCR for non-captured costs

Daily Cost: \$0

Cumulative Cost: \$2,491,694

8/19/2012 Day: 29

Completion

Rigless on 8/19/2012 - Capture final Costs in DCR - Capture final Costs in DCR, Western Water Solutions Inv# 13753,13759,13761,13766,13780,13773,13770,13765,13757(\$2223), Shields Tk.# 8860,10462,10836,11135,12124,12126,8861,10839(\$7200)

Daily Cost: \$0

Cumulative Cost: \$2,528,442

9/2/2012 Day: 30

Completion

Rigless on 9/2/2012 - Enter final costs in DCR - Enter final costs in DCR

Daily Cost: \$0

Cumulative Cost: \$2,537,194

9/11/2012 Day: 31

Completion

Nabors #1420 on 9/11/2012 - Move Rig Equipment onto location and Rig Up to well -ND Prod tree and RU Bop stack- Start to pull Tubing out of hole - RU Hot oiler to well head pump 60 bbl. fluid @250 Deg down tubing 500 ¿ 0 psi¿well dead - Install Check Valve, Nipple down well head ¿ rig up BOP stack 0 pressure on well - BOP stack Installed, Psi test as per NFX guidelines 250 low 5 Min and 3K High 10 Min Test Blind Pipe and annular Bag with

Weatherford Test unit - 16:15 ¿ Pull Check Valve¿Remove hanger pins - pull 52K J off packer WT 43K Pull 80 Stands EOT 2304--¿ 36 Stands left to pull in AM 2350 Ft Tubing- Then RIH with Gas Mandrills- Shut Down for Night - Location secured 0 psi on casing and Tubing ¿Install TIW valve and Night Cap for Night - SWIFN - On Location Hold safety Meeting with Nabors Rig Crew 1420 , Discuss PPE ,FRC, Smoking area, Line of fire ,3 point Contact . Pinch crush points, slips trips & falls Muster points, Housekeeping, suspended loads. Tag Lines, communications Backing procedures and Spotters, Pressure Concerns, Environmental concerns, Wind Direction, Incident Reporting, Stop Job authority, Potential H2S - Tubing Psi 0 and Casing pressure 750 - Start to Move equipment onto Location ¿ Spot rig and begin rigging up Equipment to Well and rig pump. Unload 3Loads of produced water

Daily Cost: \$0

Cumulative Cost: \$2,544,284

9/12/2012 Day: 32

Completion

Nabors #1420 on 9/12/2012 - POOH 36 Stands TBG - RIH 230 JTS with 7 Gas Mandrills , Land Tubing 15K Compression -ND BOP -RU Prod Tree - On Location Hold safety Meeting with Nabors Rig Crew 1420, Superior, Discuss PPE, FRC, Smoking area, Line of fire, 3 point Contact . Pinch crush points, slips trips & falls Muster points, Housekeeping, suspended loads. Tag Lines, communications Backing procedures and Spotters, Pressure Concerns, Environmental concerns, Wind Direction, Incident Reporting, Stop Job authority, Potential H2S - Well head and Casing Pressure 0 ¿ Pump 50 bbl. produced water in well ¿ On Vacuum - Pick up Baker on off tool -1 JT tubing ¿X profile nipple with No Tubing Plug ¿Tally Tbg - RIH with Total 229 JTS tubing 28 Ft Pup JTs and install 7 gas lift mandrills at Depths (Tubing Detail updated on DCR) 7301,6745,6169,5557,4684,3517,2000 per Superior design- Run rabbit thru stands 84.85.86 at depth 5414 Feet Tight spot in Tubing ???. - Tag Packer 7457 Ft, Mark Joint to Space out with on off tool - String WT 44K - Latch on/off @ 7,457 ,Land tbg w/ 13.5k compression, packer. Tighten pins - Install Check Valve -ND BOPs and NU tree, Weatherford test unit Torque and Pressure test- 250 low and 5K high test for 10 Min all Tested Goodremove Check Valve. - RD Rig and WFD test unit Release all vendors off location - Secure Location -Turn Well over to Production. Captured costs in DCR 9/16/12 - Resume operations POOH with remaining 2 7/8 work string 36 Stands

Daily Cost: \$0

Cumulative Cost: \$2,567,666

9/16/2012 Day: 33

Completion

Rigless on 9/16/2012 - Capture costs in DCR 9/16/12 - Capture costs in DCR 9/16/12

Daily Cost: \$0

Cumulative Cost: \$2,585,106

9/30/2012 Day: 34

Completion

Rigless on 9/30/2012 - Enter final costs in DCR - Enter final costs in DCR

Daily Cost: \$0

Cumulative Cost: \$2,619,731

Pertinent Files: Go to File List

Sundry Number: 44296 API Well Number: 43013511940000

	STATE OF UTAH		FORM 9		
	5.LEASE DESIGNATION AND SERIAL NUMBER:				
	ING	Patented			
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizor n for such proposals.		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE BOREHAM 4-36-3-3WH				
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013511940000		
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 200	00 , Denver, CO, 80202	PHONE NUMBER: 303 382-4443 Ext	9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0204 FNL 0333 FWL			COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 36 Township: 03.0S Range: 03.0W Mer	idian: U	STATE: UTAH		
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
10/29/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	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		
SEE ATT	COMPLETED OPERATIONS. Clearly show a	TY DIAGRAM	<u>, </u>		
NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMB! 303 383-4135	Regulatory Technician			
SIGNATURE N/A		DATE 10/29/2013			

Sundry Number: 44296 API Well Number: 43013511940000 **NEWFIELD PRODUCTION COMPANY** NOT TO SCALE LAKE BOREHAM 4-36-3-3 SEC. 36 T3S R3W DUCHESNE COUNTY, UTAH **LEGEND** ABOVEGROUND PIPING UNDERGROUND PIPING (LOCATION APPROXIMATE) Entry МН METER HOUSE DIRECTION OF FLOW BARREL(S) LOAD LINE LL ₩ WELL HEAD Р PUMP ■ PIPING CONDUIT Diesel 12-bbl Coolant МН 55-gal 100 bbl Heater Treater Р Pit Mini-Comp. Oil Oil Oil Water Glycol 500-gal 400 bbl 400 bbl 400 bbl 400 bbl Buried 12-bbl Oil Sump Lake Boreham 860 ft ALL UNDERGROUND PIPING IS FOR PROCESS FLOW DEMONSTRATION ONLY

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:	1/24/2020	
FORMER OPERATOR:	NEW OPERATOR:	
Newfield Production Company	Ovintiv Production, Inc.	
Groups:		
Greater Monument Butte		

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Туре	Status
See Attached List									

Total Well Count:

4704

OPERATOR CHANGES DOCUMENTATION:

- $1. \ Sundry \ or \ legal \ documentation \ was \ received \ from \ the \ {\bf FORMER} \ operator \ on:$
- 2. Sundry or legal documentation was received from the NEW operator on:
- 3. New operator Division of Corporations Business Number:

9/2/2020

755627-0143

1/14/2021 12/21/2020

3/25/2020

3/16/2020 3/16/2020

REVIEW:

Receipt of Acceptance of Drilling Procedures for APD on: Reports current for Production/Disposition & Sundries:

OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne

Surface Facility(s) included in operator change:

oved by Dayne
State 11-32 Pipeline
Monument Butte St 10-36

GB Fed 13-20-8-17 Canvasback Fed 1-22-8-17 Ashley Fed 8-14-9-15 Pipeline West Lateral 4C Slug Catcher (2-5-3-3) West Lateral Phase 5 Slug Catcher

Bar F Slug Catcher Dart Slug Catcher Mullins Slug Catcher

Temporary Produced Water Conditioning Site Dart Temporary Produced Water Facility Earl Temporary Water Treatment Facility

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s):

B001834.A

107238142-Shut-In Bond

DATA ENTRY:

Well(s) update in the RBDMS on: Group(s) update in RDBMS on: Surface Facilities update in RBDMS on: Entities Updated in RBDMS on: 1/14/2021 1/14/2021

1/14/2021

COMMENTS:

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES								
		5. LEASE DESIGNATION AND SERIAL NUMBER:						
		see attached list						
	SUNDRY	NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
	CONDICT	see attached						
Do	not use this form for proposals to drill ne drill horizontal late	w wells, significantly deepen existing wells below current bottorn-hole depth, reenter plugged wells, or to erals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7 UNIT	or CA AGREEMENT NAME:				
1. T	YPE OF WELL OIL WELL	8. WELL NAME and NUMBER: see attached						
	AME OF OPERATOR:			NUMBER:				
	wfield Production Comp		atta					
	DDRESS OF OPERATOR:	PHONE NUMBER: The Microflorida TV 77390 (435) CAC 4036		LD AND POOL, OR WILDCAT:				
_	Vaterway Square Place St CITY	The Woodlands STATE TX ZIP 77380 (435) 646-4936	alla	ched				
	OCATION OF WELL OOTAGES AT SURFACE:		COUNT	Y :				
		T WENDY						
Q	TR/QTR. SECTION, TOWNSHIP, RANG	E, MERIDIAN:	STATE	UTAH				
11.	CHECK APPR	OPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPOR	RT, O	R OTHER DATA				
	TYPE OF SUBMISSION	TYPE OF ACTION						
	NOTIOE OF INTENT	ACIDIZE DEEPEN		REPERFORATE CURRENT FORMATION				
1	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING FRACTURE TREAT		SIDETRACK TO REPAIR WELL				
	Approximate date work will start	CASING REPAIR NEW CONSTRUCTION		TEMPORARILY ABANDON				
		CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	\exists	TUBING REPAIR				
		CHANGE TUBING PLUG AND ABANDON		VENT OR FLARE				
Γ'''Ι	SUBSEQUENT REPORT							
	(Submit Original Form Only)	CHANGE WELL NAME PLUG BACK	닏	WATER DISPOSAL				
	Date of work completion:	CHANGE WELL STATUS PRODUCTION (START/RESUME)	Ц	WATER SHUT-OFF				
		COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE		OTHER:				
		CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION						
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.								
Th	nis sundry is serve as no	tification of the formal corporate name change of Newfield Produc	tion C	Company to Ovintiv Production				
Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.								
-								
	REVIOUS NAME:	NEW NAME:						
	ewfield Producion Comp							
	Waterway Square Place ne Woodlands, TX 77380							
	35)646-4825	(435)646-4825						
(7	00,010 4020	(100)010100						

NAME (PLEASE PRINT) Shon McKinnon	TITLE	Regulatory Manager, Rockies
SIGNATURE THOUSE SIGNATURE	DATE	3/16/2020

(This space for State use only)

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

								-
-	5.	LEASE	DESIGNA	ATION A	ND SER	IAL NUM	BER:	

	see attached	see attached list						
SUNDRY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
00115111	see attached 7 UNIT or CA AGREEMENT NAME:							
Do not use this form for proposals to drill ne drill horizontal la								
1. TYPE OF WELL OIL WELL		8. WELL NAME and NUMBER: see attached						
2. NAME OF OPERATOR:					9. API NUMBER:			
Newfield Production Comp	pany			attached				
3. ADDRESS OF OPERATOR:			PHONE NUMBER:	10. FIELD AND POOL	., OR WILDCAT:			
4 Waterway Square Place St CITY	The Woodlands STATE TX	77380	(435) 646-4936	attached				
4. LOCATION OF WELL								
FOOTAGES AT SURFACE:				COUNTY				
QTR/QTR, SECTION, TOWNSHIP, RANG	3E, MERIDIAN:			STATE:	UTAH			
11. CHECK APPE	ROPRIATE BOXES TO INDICA	TE NATURE	OF NOTICE, REPO	RT, OR OTHER	R DATA			
TYPE OF SUBMISSION		Т	YPE OF ACTION					
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFOR/	ATE CURRENT FORMATION			
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK	TO REPAIR WELL			
Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	TEMPORARI	LY ABANDON			
	CHANGE TO PREVIOUS PLANS	✓ OPERATOR	CHANGE	TUBING REF	PAIR			
	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FL	ARE			
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACH	<	WATER DISF	POSAL			
(Submit Original Form Only)	CHANGE WELL STATUS		ON (START/RESUME)	☐ WATER SHI				
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	personal control of the control of t	TON OF WELL SITE					
				OTHER:				
***	CONVERT WELL TYPE		ETE - DIFFERENT FORMATION					
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show a	Il pertinent details in	cluding dates, depths, volum	nes, etc.				
	tification of the formal corporat							
Inc. Attached is a list of al	Il wells wells that will be operate	ed under Ovini	tiv Production Inc eff	lective January	24, 2020.			
PREVIOUS NAME:	NEW N	IAME:						
Newfield Producion Comp		Production Inc) .					
4 Waterway Square Place		rway Square F	Place Suite 100					
The Woodlands, TX 77380		oodlands, TX 7	7380					
(435)646-4825	(435)64	6-4825						
NAME (BLEASE DRINT) Shon McK	innon.		Regulatory Man	ager Rockies				
NAME (PLEASE PRINT)		TIT	LE Trogulatory Wall					
SIGNATURE	denno	DA	TE 3/16/2020					

(This space for State use only)

Operator Change/Name Change Worksheet-for State use only

Effective Date: 7/1/2021

FORMER OPERATOR:

Ovintiv Production, Inc.

NEW OPERATOR:

Ovintiv USA, Inc.

Groups: Greater Monument Butte

WELL INFORMATION:

Well Name API Number Town Dir Range Dir Sec Entity Number Type Status
See Attached List Unumber Type Status

Total Well Count:
Pre-Notice Completed:

4689 9/22/2021

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

2. Sundry or legal documentation was received from the **NEW** operator on:

3. New operator Division of Corporations Business Number:

5053175-0143

9/15/2021 9/15/2021

9/15/2021

REVIEW:

Receipt of Acceptance of Drilling Procedures for APD on: Reports current for Production/Disposition & Sundries:

OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin

UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne

Surface Facility(s) included in operator change:

9/22/2021

10/25/2021 10/4/2021

ator change: Monument Butte Liq. Cond.
Pleasant Valley (New)

West Lateral 4C Slug Catcher (2-5-3-3)
West Lateral Phase 5 Slug Catcher

Bar F Slug Catcher Dart Slug Catcher Mullins Slug Catcher Ashley

Sundance Ranch Pleasant Valley Monument Butte Ashley Fed 8-14-9-15 Pipeline Ute Tribal 4-13-4-2W Pipeline State 11-32 Pipeline Monument Butte St 10-36

GB Fed 13-20-8-17 Canvasback Fed 1-22-8-17

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s):

B001834-B 107238142A

DATA ENTRY:

Well(s) update in the RBDMS on: 11/24/2021
Group(s) update in RDBMS on: 11/21/2021
Surface Facilities update in RBDMS on: 11/24/2021
Entities Updated in RBDMS on: 11/24/2021

COMMENTS:

9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additiaonl bond will be required at this time.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR: Ovintiv Production, Inc.	9. API NUMBER:
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
4 Waterway SQ PL STE 100 CITY The Woodlands STATE TX ZIP 77380 (281) 210-5100	
FOOTAGES AT SURFACE:	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: Approximate date work will start: 7/11/2021 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA Inc. PREVIOUS NAME: Ovintiv Production Inc. Waterway Square Place Suite 100 The Woodlands, TX 77380 (281) 210-5100 NEW NAME: OCASING REPAIR ALTER CASING FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PREVIOUS NAME: OVINTIV USA Inc. ALTER CASING FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PREVIOUS NAME: OVINTIV USA Inc. 4 Waterway Square Place Suite 100 The Woodlands, TX 77380 (281) 210-5100	
NAME (PLEASE PRINT) Julia Carter SIGNATURE DATE Manager, US Re 9/8/2021	gulatory Operations
(This space for State use only)	ROVED

By Utah Division of Oil, Gas, and Mining Rachel Medina