

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Dart 13-11-3-2WH				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NORTH MYTON BENCH				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcozler@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Patented			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Bruce Dart, Trustee						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-722-7087				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') Route 2, Box 2044, Roosevelt, UT 84066						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		394 FNL 561 FWL		NWNW	14	3.0 S	2.0 W	U		
Top of Uppermost Producing Zone		660 FSL 660 FWL		SWSW	11	3.0 S	2.0 W	U		
At Total Depth		660 FNL 660 FWL		NWNW	11	3.0 S	2.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 394			23. NUMBER OF ACRES IN DRILLING UNIT 40				
27. ELEVATION - GROUND LEVEL 5416			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 30			26. PROPOSED DEPTH MD: 13412 TVD: 9196				
			28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	24	20	0 - 60	0.0	Unknown	0.0	Class G	57	1.17	15.8
Surf	17.5	13.375	0 - 1600	54.5	J-55 ST&C	8.4	Type III	120	3.33	11.0
							Type III	463	1.9	13.0
I1	12.25	9.625	0 - 8505	40.0	N-80 Buttruss	10.5	Halliburton Premium , Type Unknown	682	3.53	11.0
							Halliburton Premium , Type Unknown	509	1.29	14.0
Prod	8.75	5.5	0 - 13412	20.0	P-110 Other	14.5	50/50 Poz	1330	1.29	14.0
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Don Hamilton				TITLE Permitting Agent				PHONE 435 719-2018		
SIGNATURE				DATE 07/01/2013				EMAIL starpoint@etv.net		
API NUMBER ASSIGNED 43013522710000				APPROVAL  Permit Manager						

Newfield Production Company
13-11-3-2WH
Surface Hole Location: 394' FNL, 561' FWL, Section 14, T3S, R2W
Bottom Hole Location: 660' FNL, 660' FWL, Section 11, T3S, R2W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	3,743'
Garden Gulch member	6,681'
Uteland Butte member	8,869'
Lateral TD	9,196' TVD / 13,412' MD

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

Base of moderately saline	1,527'	(water)
Green River	6,681' - 8,869'	(oil)
Uteland Butte member	8,869' - 9,196'	(oil)

3. Pressure Control

<u>Section</u>	<u>BOP Description</u>
Surface	12-1/4" Diverter
Intermediate	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.
Prod/Prod Liner	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Conductor 20	0'	60'	--	--	Weld	--	--	--	--	--	--
Surface 13 3/8	0'	1,600'	54.5	J-55	STC	8.33	8.4	14	2,730	1,130	514,000
									2.51	2.10	5.89
Intermediate 9 5/8	0'	8,490' 8,505'	40	N-80	BTC	10	10.5	15	5,750	3,090	916,000
									1.08	1.33	2.70
Production 5 1/2	0'	9,196' 13,412'	20	P-110	BTC	14	14.5	16	12,360	11,080	641,000
									2.14	1.84	2.39

Assumptions:

- Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
- Intermediate casing MASP = (reservoir pressure) - (gas gradient)
- Production casing MASP = (reservoir pressure) - (gas gradient)
- Intermediate collapse calculations assume 50% evacuated
- Maximum intermediate csg collapse load assumes loss of mud to a fluid level of 4,245'
- Intermediate csg run from surface to 8,490' and will not experience full evacuation
- Production csg run from surface to TD will isolate intermediate csg from production loads
- Production csg withstands burst and collapse loads for anticipated production conditions
- Surface & production collapse calcs assume fully evacuated casing w/ a gas gradient
- All tension calculations assume air weight of casing
- Gas gradient = 0.1 psi/ft

All casing shall be new.

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

5. Cement

Job	Hole Size	Fill	Slurry Description	ft ³	OH excess	Weight (ppg)	Yield (ft ³ /sk)
				sacks			
Conductor	24	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	66	15%	15.8	1.17
				57			
Surface Lead	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	11.0	3.33
				120			
Surface Tail	17 1/2	1,100'	Varicem (Type III) + .125 lbs/sk Cello Flakes	879	15%	13.0	1.9
				463			
Intermediate Lead	12 1/4	6,681'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	2406	15%	11.0	3.53
				682			
Intermediate Tail	12 1/4	1,824'	50/50 Poz/Class G + 1% bentonite	657	15%	14.0	1.29
				509			
Production Lead	8 3/4	0'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	0	15%	11.0	3.53
				0			
Production Tail	8 3/4	5,907'	50/50 Poz/Class G + 1% bentonite	1716	15%	14.0	1.29
				1330			

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

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

The 5.5" production string will be run from surface to TD and cemented to past the setback. The cement slurries will be adjusted for hole conditions and blend test results. The lateral will be cemented past the setback.

This well will not be perforated or produced outside the legal setbacks

6. Type and Characteristics of Proposed Circulating Medium

Interval

Description

Surface - 1,600'

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

1,600' - 8,505' One of two possible mud systems may be used depending on offset well performance on ongoing wells: A
 water based mud: Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

-or-

A diesel based OBM system: with an oil to water ratio between 70/30 and 80/20. Emulsifiers and wetting agents will be used to maintain adequate mud properties. A water phase salinity will be maintained in the range of 25% using CaCl (Calcium Chloride). All cuttings will be dried and centrifuged so that they can be easily transferred to a lined cuttings pit with little to no free fluid on them. The cuttings will be mixed with fly ash prior to transportation to a location on Newfield owned surface. Once on Newfield owned surface, the cuttings will be treated with the previously approved FIRMUS process and used as a construction material on future location and/or roads on Newfield owned surface. The cuttings may also be transported to a state approved disposal facility.

Anticipated maximum mud weight is 10.5 ppg.

8,505' - TD One of two possible mud systems may be used depending on offset well performance on ongoing wells: A
 water based mud: Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

-or-

A diesel based OBM system: with an oil to water ratio between 70/30 and 80/20. Emulsifiers and wetting agents will be used to maintain adequate mud properties. A water phase salinity will be maintained in the range of 25% using CaCl (Calcium Chloride). All cuttings will be dried and centrifuged so that they can be easily transferred to a lined cuttings pit with little to no free fluid on them. The cuttings will be mixed with fly ash prior to transportation to a location on Newfield owned surface. Once on Newfield owned surface, the cuttings will be treated with the previously approved FIRMUS process and used as a construction material on future location and/or roads on Newfield owned surface. The cuttings may also be transported to a state approved disposal facility.

Anticipated maximum mud weight is 14.5 ppg.

7. Logging, Coring, and Testing

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

Cores: As deemed necessary.

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

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.73 psi/ft gradient.

$$9,196' \times 0.73 \text{ psi/ft} = 6694.7 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

The lateral of this well will target the Uteland Butte member of the Green River formation

After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 8,473'

Directional tools will then be used to build to 87.25 degrees inclination.

The lateral will be drilled to the bottomhole location shown on the plat. A 5-1/2" longstring will be run from surface to TD and cemented in place.

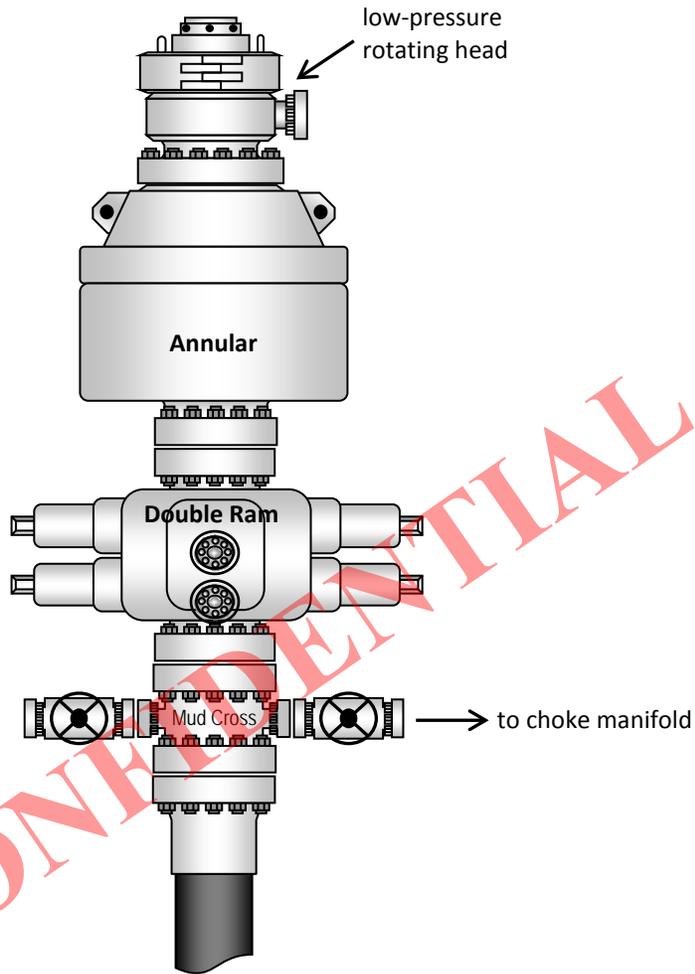
Newfield requests the following variances from Onshore Order #2:

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

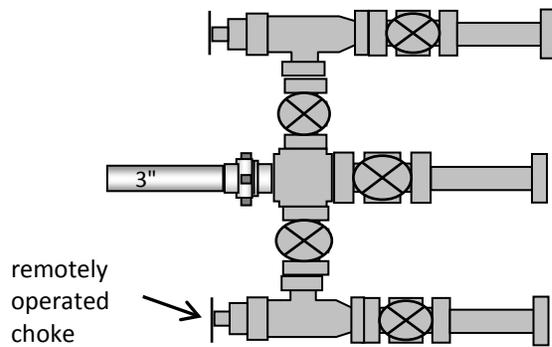
Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

If oil based mud (OBM) is used and If Newfield owns the surface rights on the same drilling site at a location where construction is desired, the cuttings may be used for construction by a Firmus® process at that location. Otherwise, after the cuttings have been made safe for transport as described in paragraph 6, they will be transported to another location on which Newfield owns surface rights and there mixed, as part of a Firmus® process, with at least one additional chemical that will convert them to a temporarily uncured cementitious mixture that will be placed and shaped into a temporary desired final structure that will spontaneously harden within seven days after placement to form the desired structure. Samples of the temporary desired final structure may be taken for testing as described below (after the samples have hardened), or samples of the starting pretreated cuttings and mud will be taken during the construction and later mixed in a laboratory, molded, and cured to simulate the final structure as well as reasonably possible. Either these laboratory-made simulations of the final structure or samples of the temporary mixture itself after hardening, will be mechanically tested directly to determine their unconfined compressive strength and their hydraulic conductivity. Leachates of the mechanically tested structures themselves or of finer particles made by crushing and size-grading of the mechanically tested structures themselves to a specified particle size range will be analyzed, according to specified methods, for their contents of arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, zinc, benzene, total petroleum hydrocarbons (TPH), and chlorides, and the pH of these leachates will also be measured. The results of all these tests will be reported by Newfield to UDOGM at intervals as requested, along with the latitude and longitude (or other comparable location data) of the site of the useful constructions built.

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



T3S, R2W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

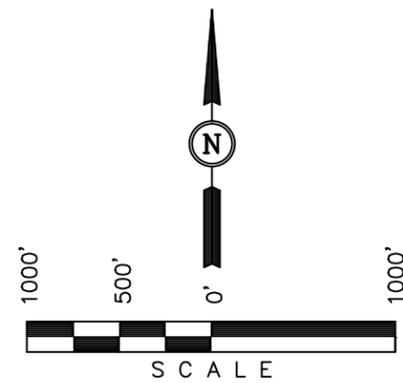
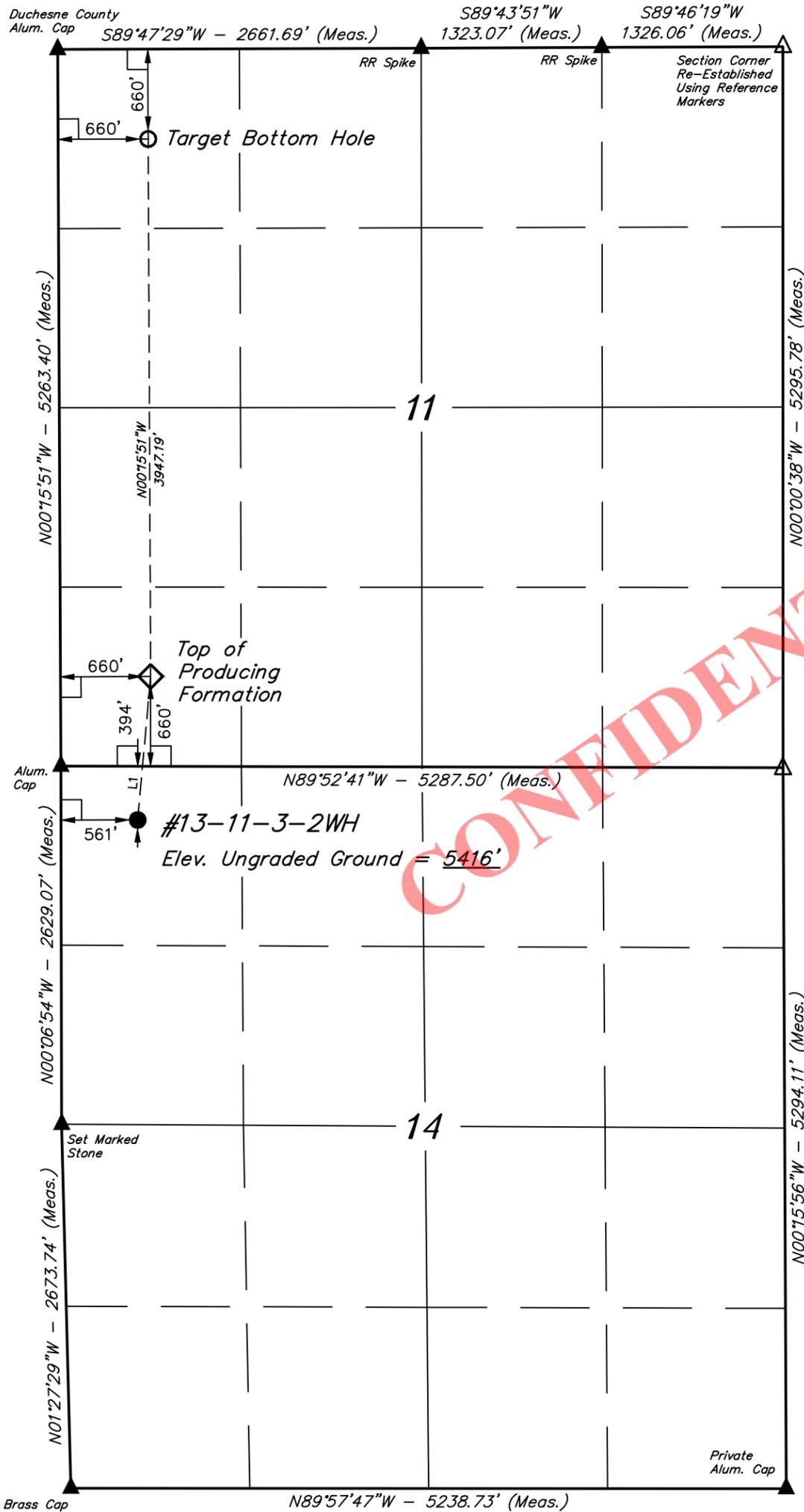
Well location, #13-11-3-2WH, located as shown in the NW 1/4 NW 1/4 of Section 14, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N05°09'39"E	1057.89'

CONFIDENTIAL

LEGEND:

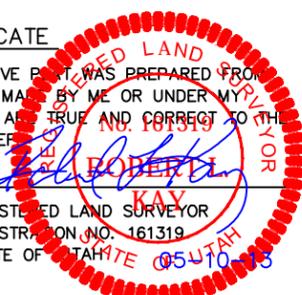
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (TOP OF PRODUCING FORMATION)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°14'31.91" (40.242197)	LATITUDE = 40°13'52.91" (40.231364)	LATITUDE = 40°13'42.51" (40.228475)
LONGITUDE = 110°05'02.27" (110.083964)	LONGITUDE = 110°05'02.05" (110.083903)	LONGITUDE = 110°05'03.29" (110.084247)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (TOP OF PRODUCING FORMATION)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°14'32.06" (40.242239)	LATITUDE = 40°13'53.06" (40.231406)	LATITUDE = 40°13'42.65" (40.228514)
LONGITUDE = 110°04'59.72" (110.083256)	LONGITUDE = 110°04'59.51" (110.083197)	LONGITUDE = 110°05'00.74" (110.083539)

CERTIFICATE

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

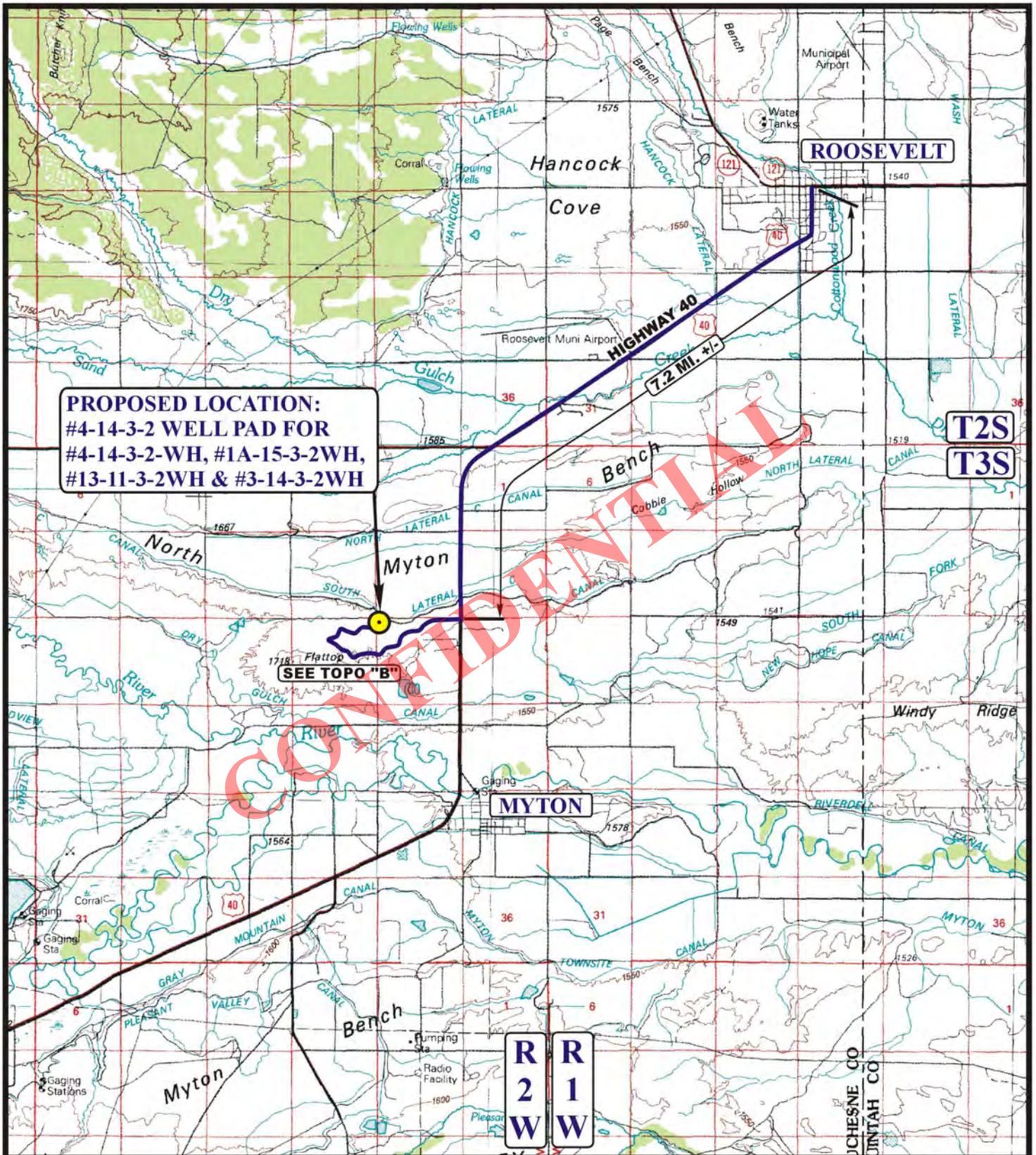
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-15-13	DATE DRAWN: 04-30-13
PARTY M.A. C.K. S.F.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	

RECEIVED: July 01, 2013



PROPOSED LOCATION:
 #4-14-3-2 WELL PAD FOR
 #4-14-3-2-WH, #1A-15-3-2WH,
 #13-11-3-2WH & #3-14-3-2WH

SEE TOPO "B"

LEGEND:

PROPOSED LOCATION

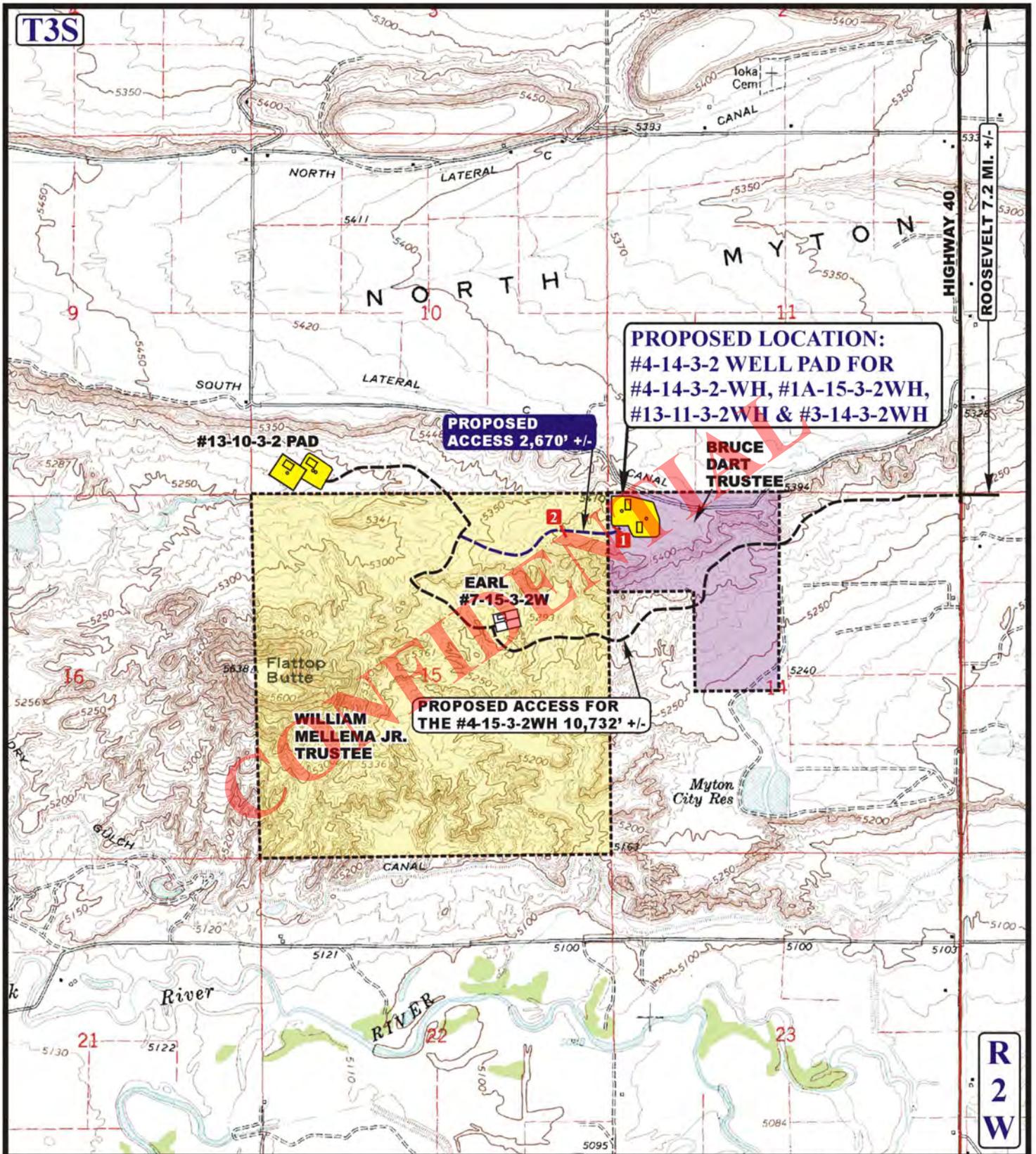
NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
 #1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4

UELS Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



ACCESS ROAD MAP	11	20	12	A TOPO
	MONTH	DAY	YEAR	
SCALE: 1:100,000	DRAWN BY: C.I.		REV: 06-25-13 A.T.	



**PROPOSED LOCATION:
#4-14-3-2 WELL PAD FOR
#4-14-3-2-WH, #1A-15-3-2WH,
#13-11-3-2WH & #3-14-3-2WH**

**PROPOSED
ACCESS 2,670' +/-**

**PROPOSED ACCESS FOR
THE #4-15-3-2WH 10,732' +/-**

**WILLIAM
MELLEMA JR.
TRUSTEE**

**BRUCE
DART
TRUSTEE**

**EARL
#7-15-3-2W**

LEGEND:

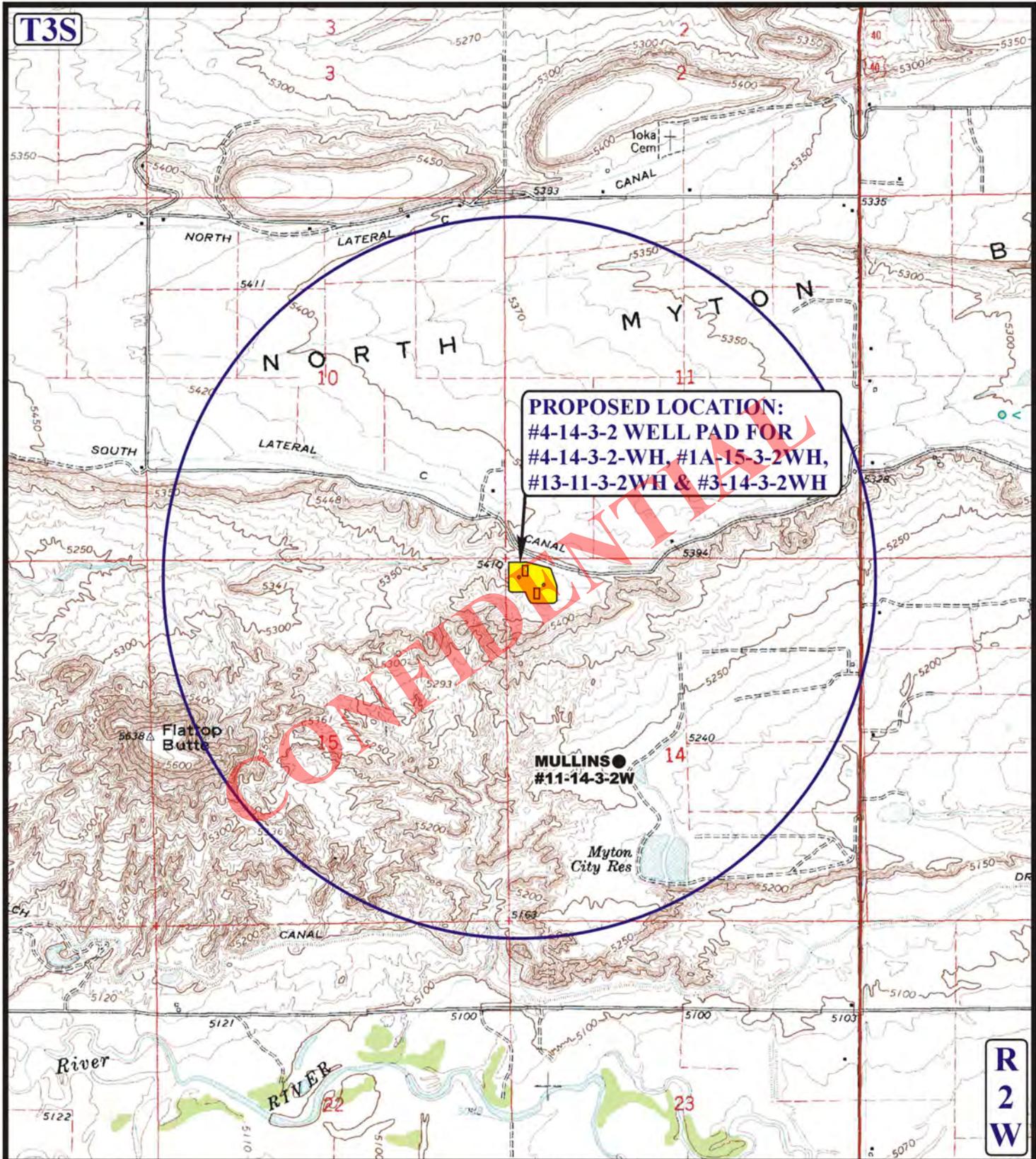
- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 1** 18" CMP REQUIRED
- 2** 24" CMP REQUIRED

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
#1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

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**ACCESS ROAD
MAP** 11 20 12
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.L. REV: 06-25-13 A.T. **B
TOPO**



PROPOSED LOCATION:
 #4-14-3-2 WELL PAD FOR
 #4-14-3-2-WH, #1A-15-3-2WH,
 #13-11-3-2WH & #3-14-3-2WH

LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⦿ SHUT IN WELLS
- ⦿ ABANDONED WELLS
- TEMPORARILY ABANDONED

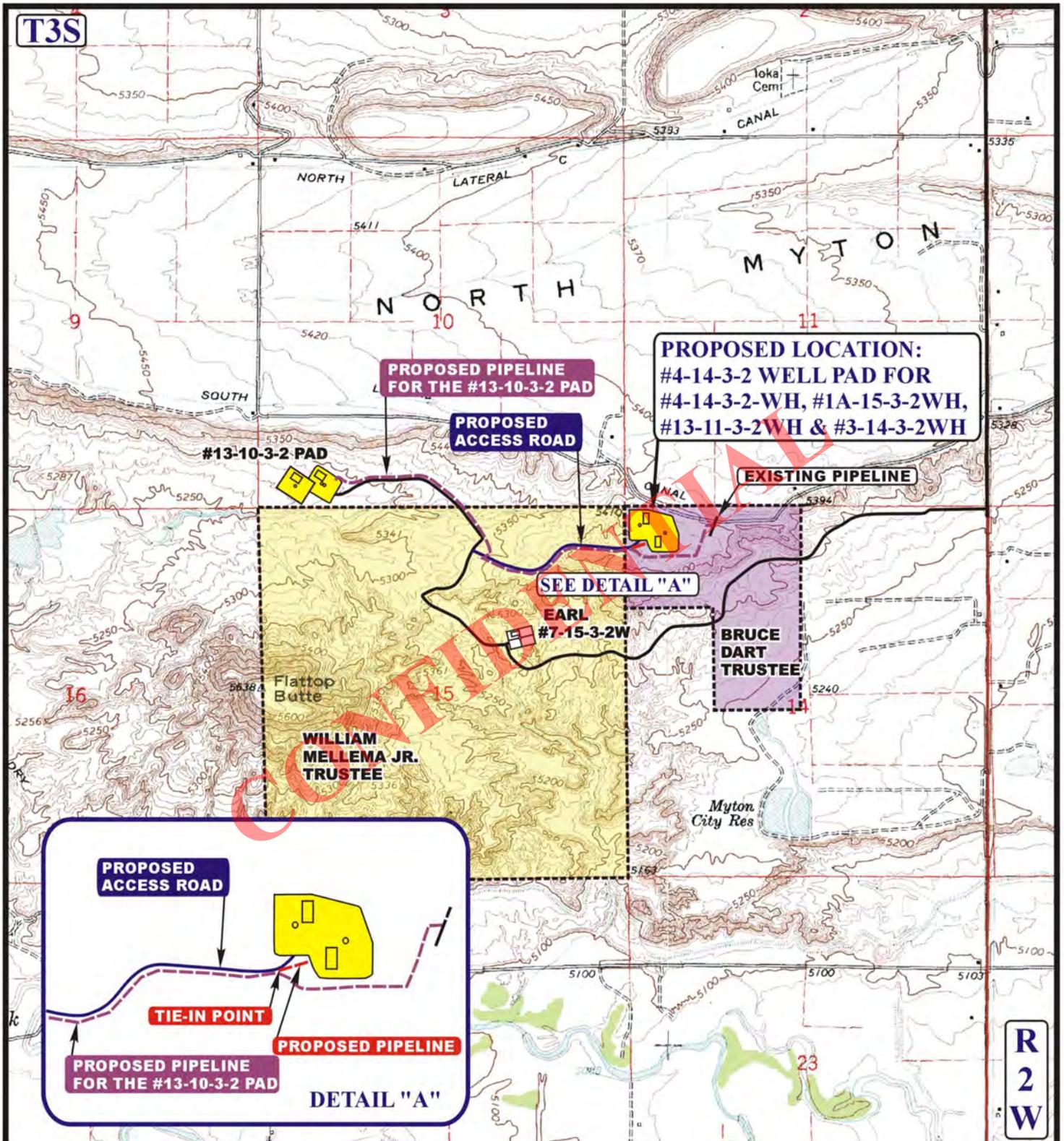
NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
 #1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4

UELS Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP 11 20 12
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.I. REV: 06-25-13 A.T. **C TOPO**





APPROXIMATE TOTAL PIPELINE DISTANCE = 209' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #4-14-3-2-WH,
 #1A-15-3-2WH, #13-11-3-2WH & #3-14-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4

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TOPOGRAPHIC MAP 11 20 12
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.L. REV: 06-25-13 A.T. **D TOPO**



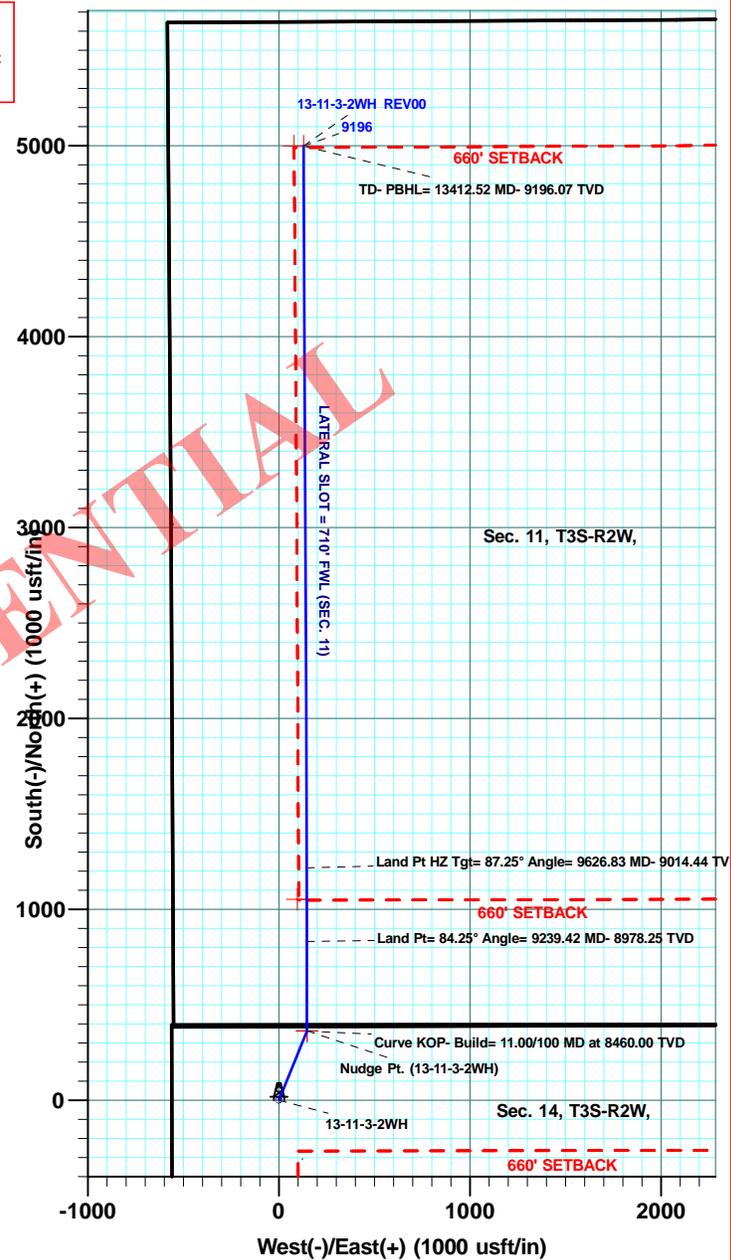
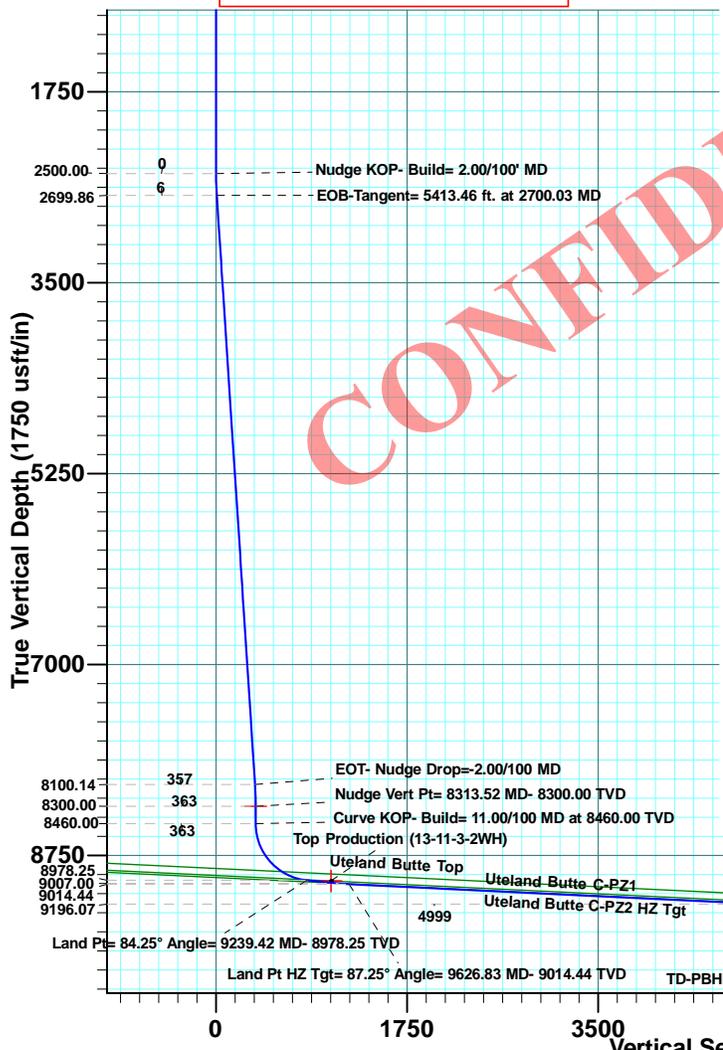
LEAM Drilling Systems, Inc.
 FOR
 NEWFIELD EXPLORATION ROCKY MOUNTAINS
 WELL: 13-11-3-2WH (PLAN: REV00)
 DUCHESNE COUNTY, UTAH
 RIG NAME: RIG (KB= 18")
 MAY 22, 2013 -- WELL PLAN PLOT



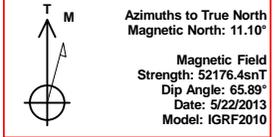
WELL DETAILS: 13-11-3-2WH							Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	7255076.50	2035685.9240	13° 42.510' N	110° 5' 3.290' W		

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

SITE DETAILS: CENTRAL BASIN (NAD 83)
 Site Centre Latitude: 40° 13' 43.080' N
 Longitude: 110° 15' 32.490' W
 Positional Uncertainty: 0.00
 Convergence: 0.79
 Local North: True



SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	
2700.03	4.00	22.05	2699.86	6.47	2.62	2.00	22.05	6.47	
8113.49	4.00	22.05	8100.14	356.53	144.38	0.00	0.00	356.53	
8313.52	0.00	0.00	8300.00	363.00	147.00	2.00	180.00	363.00	
8473.52	0.00	0.00	8460.00	363.00	147.00	0.00	0.00	363.00	
9239.42	84.25	0.00	8978.25	831.69	147.00	11.00	0.00	831.69	
9526.42	84.25	0.00	9007.00	1117.24	147.00	0.00	0.00	1117.24	
9626.83	87.25	359.73	9014.44	1217.36	146.76	3.00	-5.14	1217.36	
13412.52	87.25	359.73	9196.07	4998.64	128.94	0.00	0.00	4998.64	



Plan: 13-11-3-2WH REV00 (13-11-3-2WH/13-11-3-2WH)
 Created By: Lynn Hulin Date: 19:40, May 22 2013
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-3-2WH		
Design:	13-11-3-2WH REV00		

Project	DUCHESNE COUNTY, UT (NAD 83),		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	CENTRAL BASIN (NAD 83)		
Site Position:		Northing:	7,254,409.48 usft
From:	Lat/Long	Easting:	1,986,891.62 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	40° 13' 43.080 N
		Longitude:	110° 15' 32.490 W
		Grid Convergence:	0.79 °

Well	13-11-3-2WH		
Well Position	+N-S	-10.01 usft	Northing: 7,255,076.50 usft
	+E-W	48,798.86 usft	Easting: 2,035,685.92 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	5,434.00 usft
		Latitude:	40° 13' 42.510 N
		Longitude:	110° 5' 3.290 W
		Ground Level:	5,416.00 usft

Wellbore	13-11-3-2WH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/22/2013	11.10	65.89	52,176

Design	13-11-3-2WH REV00				
Audit Notes:					
Version:	REV00	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.00	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.03	4.00	22.05	2,699.86	6.47	2.62	2.00	2.00	0.00	22.05	
8,113.49	4.00	22.05	8,100.14	356.53	144.38	0.00	0.00	0.00	0.00	
8,313.52	0.00	0.00	8,300.00	363.00	147.00	2.00	-2.00	0.00	180.00	
8,473.52	0.00	0.00	8,460.00	363.00	147.00	0.00	0.00	0.00	0.00	
9,239.42	84.25	0.00	8,978.25	831.69	147.00	11.00	11.00	0.00	0.00	
9,526.42	84.25	0.00	9,007.00	1,117.24	147.00	0.00	0.00	0.00	0.00	
9,626.83	87.25	359.73	9,014.44	1,217.36	146.76	3.00	2.99	-0.27	-5.14	
13,412.52	87.25	359.73	9,196.07	4,998.64	128.94	0.00	0.00	0.00	0.00	TD-PBHL - PLAT (1)



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-3-2WH		
Design:	13-11-3-2WH REV00		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge KOP- Build= 2.00/100' MD									
2,600.00	2.00	22.05	2,599.98	1.62	0.66	1.62	2.00	2.00	0.00
2,700.03	4.00	22.05	2,699.86	6.47	2.62	6.47	2.00	2.00	0.00
EOB-Tangent= 5413.46 ft. at 2700.03 MD									
2,800.00	4.00	22.05	2,799.59	12.93	5.24	12.93	0.00	0.00	0.00
2,900.00	4.00	22.05	2,899.35	19.40	7.86	19.40	0.00	0.00	0.00
3,000.00	4.00	22.05	2,999.11	25.87	10.48	25.87	0.00	0.00	0.00
3,100.00	4.00	22.05	3,098.86	32.33	13.09	32.33	0.00	0.00	0.00
3,200.00	4.00	22.05	3,198.62	38.80	15.71	38.80	0.00	0.00	0.00
3,300.00	4.00	22.05	3,298.38	45.27	18.33	45.27	0.00	0.00	0.00
3,400.00	4.00	22.05	3,398.13	51.73	20.95	51.73	0.00	0.00	0.00
3,500.00	4.00	22.05	3,497.89	58.20	23.57	58.20	0.00	0.00	0.00
3,600.00	4.00	22.05	3,597.64	64.67	26.19	64.67	0.00	0.00	0.00
3,700.00	4.00	22.05	3,697.40	71.13	28.81	71.13	0.00	0.00	0.00
3,800.00	4.00	22.05	3,797.16	77.60	31.42	77.60	0.00	0.00	0.00
3,900.00	4.00	22.05	3,896.91	84.07	34.04	84.07	0.00	0.00	0.00
4,000.00	4.00	22.05	3,996.67	90.53	36.66	90.53	0.00	0.00	0.00
4,100.00	4.00	22.05	4,096.43	97.00	39.28	97.00	0.00	0.00	0.00
4,200.00	4.00	22.05	4,196.18	103.47	41.90	103.47	0.00	0.00	0.00
4,300.00	4.00	22.05	4,295.94	109.93	44.52	109.93	0.00	0.00	0.00
4,400.00	4.00	22.05	4,395.70	116.40	47.14	116.40	0.00	0.00	0.00
4,500.00	4.00	22.05	4,495.45	122.86	49.76	122.86	0.00	0.00	0.00
4,600.00	4.00	22.05	4,595.21	129.33	52.37	129.33	0.00	0.00	0.00
4,700.00	4.00	22.05	4,694.96	135.80	54.99	135.80	0.00	0.00	0.00
4,800.00	4.00	22.05	4,794.72	142.26	57.61	142.26	0.00	0.00	0.00
4,900.00	4.00	22.05	4,894.48	148.73	60.23	148.73	0.00	0.00	0.00



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-3-2WH		
Design:	13-11-3-2WH REV00		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	4.00	22.05	4,994.23	155.20	62.85	155.20	0.00	0.00	0.00
5,100.00	4.00	22.05	5,093.99	161.66	65.47	161.66	0.00	0.00	0.00
5,200.00	4.00	22.05	5,193.75	168.13	68.09	168.13	0.00	0.00	0.00
5,300.00	4.00	22.05	5,293.50	174.60	70.70	174.60	0.00	0.00	0.00
5,400.00	4.00	22.05	5,393.26	181.06	73.32	181.06	0.00	0.00	0.00
5,500.00	4.00	22.05	5,493.02	187.53	75.94	187.53	0.00	0.00	0.00
5,600.00	4.00	22.05	5,592.77	194.00	78.56	194.00	0.00	0.00	0.00
5,700.00	4.00	22.05	5,692.53	200.46	81.18	200.46	0.00	0.00	0.00
5,800.00	4.00	22.05	5,792.28	206.93	83.80	206.93	0.00	0.00	0.00
5,900.00	4.00	22.05	5,892.04	213.40	86.42	213.40	0.00	0.00	0.00
6,000.00	4.00	22.05	5,991.80	219.86	89.03	219.86	0.00	0.00	0.00
6,100.00	4.00	22.05	6,091.55	226.33	91.65	226.33	0.00	0.00	0.00
6,200.00	4.00	22.05	6,191.31	232.79	94.27	232.79	0.00	0.00	0.00
6,300.00	4.00	22.05	6,291.07	239.26	96.89	239.26	0.00	0.00	0.00
6,400.00	4.00	22.05	6,390.82	245.73	99.51	245.73	0.00	0.00	0.00
6,500.00	4.00	22.05	6,490.58	252.19	102.13	252.19	0.00	0.00	0.00
6,600.00	4.00	22.05	6,590.33	258.66	104.75	258.66	0.00	0.00	0.00
6,700.00	4.00	22.05	6,690.09	265.13	107.37	265.13	0.00	0.00	0.00
6,800.00	4.00	22.05	6,789.85	271.59	109.98	271.59	0.00	0.00	0.00
6,900.00	4.00	22.05	6,889.60	278.06	112.60	278.06	0.00	0.00	0.00
7,000.00	4.00	22.05	6,989.36	284.53	115.22	284.53	0.00	0.00	0.00
7,100.00	4.00	22.05	7,089.12	290.99	117.84	290.99	0.00	0.00	0.00
7,200.00	4.00	22.05	7,188.87	297.46	120.46	297.46	0.00	0.00	0.00
7,300.00	4.00	22.05	7,288.63	303.93	123.08	303.93	0.00	0.00	0.00
7,400.00	4.00	22.05	7,388.39	310.39	125.70	310.39	0.00	0.00	0.00
7,500.00	4.00	22.05	7,488.14	316.86	128.31	316.86	0.00	0.00	0.00
7,600.00	4.00	22.05	7,587.90	323.33	130.93	323.33	0.00	0.00	0.00
7,700.00	4.00	22.05	7,687.65	329.79	133.55	329.79	0.00	0.00	0.00
7,800.00	4.00	22.05	7,787.41	336.26	136.17	336.26	0.00	0.00	0.00
7,900.00	4.00	22.05	7,887.17	342.72	138.79	342.72	0.00	0.00	0.00
8,000.00	4.00	22.05	7,986.92	349.19	141.41	349.19	0.00	0.00	0.00
8,100.00	4.00	22.05	8,086.68	355.66	144.03	355.66	0.00	0.00	0.00
8,113.49	4.00	22.05	8,100.14	356.53	144.38	356.53	0.00	0.00	0.00
EOT- Nudge Drop=-2.00/100 MD									
8,200.00	2.27	22.05	8,186.51	360.92	146.16	360.92	2.00	-2.00	0.00
8,300.00	0.27	22.05	8,286.48	362.97	146.99	362.97	2.00	-2.00	0.00
8,313.52	0.00	0.00	8,300.00	363.00	147.00	363.00	2.00	-2.00	0.00
Nudge Vert Pt= 8313.52 MD- 8300.00 TVD									
8,400.00	0.00	0.00	8,386.48	363.00	147.00	363.00	0.00	0.00	0.00
8,473.52	0.00	0.00	8,460.00	363.00	147.00	363.00	0.00	0.00	0.00
Curve KOP- Build= 11.00/100 MD at 8460.00 TVD									
8,500.00	2.91	0.00	8,486.47	363.67	147.00	363.67	11.00	11.00	0.00
8,550.00	8.41	0.00	8,536.21	368.61	147.00	368.61	11.00	11.00	0.00
8,600.00	13.91	0.00	8,585.25	378.28	147.00	378.28	11.00	11.00	0.00
8,650.00	19.41	0.00	8,633.13	392.61	147.00	392.61	11.00	11.00	0.00
8,700.00	24.91	0.00	8,679.42	411.47	147.00	411.47	11.00	11.00	0.00
8,750.00	30.41	0.00	8,723.68	434.67	147.00	434.67	11.00	11.00	0.00
8,800.00	35.91	0.00	8,765.52	462.01	147.00	462.01	11.00	11.00	0.00
8,850.00	41.41	0.00	8,804.55	493.24	147.00	493.24	11.00	11.00	0.00
8,900.00	46.91	0.00	8,840.40	528.06	147.00	528.06	11.00	11.00	0.00
8,950.00	52.41	0.00	8,872.75	566.16	147.00	566.16	11.00	11.00	0.00
8,993.67	57.22	0.00	8,897.91	601.84	147.00	601.84	11.00	11.00	0.00



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Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-3-2WH		
Design:	13-11-3-2WH REV00		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Uteland Butte Top									
9,000.00	57.91	0.00	8,901.31	607.18	147.00	607.18	11.00	11.00	0.00
9,050.00	63.41	0.00	8,925.79	650.75	147.00	650.75	11.00	11.00	0.00
9,100.00	68.91	0.00	8,945.99	696.47	147.00	696.47	11.00	11.00	0.00
9,150.00	74.41	0.00	8,961.72	743.91	147.00	743.91	11.00	11.00	0.00
9,200.00	79.91	0.00	8,972.82	792.65	147.00	792.65	11.00	11.00	0.00
9,202.01	80.13	0.00	8,973.17	794.63	147.00	794.63	11.00	11.00	0.00
Uteland Butte C-PZ1									
9,239.42	84.25	0.00	8,978.25	831.69	147.00	831.69	11.00	11.00	0.00
Land Pt= 84.25° Angle= 9239.42 MD- 8978.25 TVD									
9,300.00	84.25	0.00	8,984.32	891.96	147.00	891.96	0.00	0.00	0.00
9,400.00	84.25	0.00	8,994.34	991.45	147.00	991.45	0.00	0.00	0.00
9,500.00	84.25	0.00	9,004.36	1,090.95	147.00	1,090.95	0.00	0.00	0.00
9,519.96	84.25	0.00	9,006.36	1,110.80	147.00	1,110.80	0.00	0.00	0.00
Uteland Butte C-PZ2 HZ Tgt									
9,526.42	84.25	0.00	9,007.00	1,117.24	147.00	1,117.24	0.00	0.00	0.00
Curve DLS= 3.00/100 MD- TFO -5.14									
9,600.00	86.45	359.80	9,012.97	1,190.57	146.87	1,190.57	3.00	2.99	-0.27
9,626.83	87.25	359.73	9,014.44	1,217.36	146.76	1,217.36	3.00	2.99	-0.27
Land Pt HZ Tgt= 87.25° Angle= 9626.83 MD- 9014.44 TVD									
9,700.00	87.25	359.73	9,017.95	1,290.44	146.42	1,290.44	0.00	0.00	0.00
9,800.00	87.25	359.73	9,022.75	1,390.33	145.95	1,390.33	0.00	0.00	0.00
9,900.00	87.25	359.73	9,027.55	1,490.21	145.48	1,490.21	0.00	0.00	0.00
10,000.00	87.25	359.73	9,032.35	1,590.10	145.01	1,590.10	0.00	0.00	0.00
10,100.00	87.25	359.73	9,037.15	1,689.98	144.54	1,689.98	0.00	0.00	0.00
10,200.00	87.25	359.73	9,041.94	1,789.86	144.07	1,789.86	0.00	0.00	0.00
10,300.00	87.25	359.73	9,046.74	1,889.75	143.60	1,889.75	0.00	0.00	0.00
10,400.00	87.25	359.73	9,051.54	1,989.63	143.12	1,989.63	0.00	0.00	0.00
10,500.00	87.25	359.73	9,056.34	2,089.51	142.65	2,089.51	0.00	0.00	0.00
10,600.00	87.25	359.73	9,061.13	2,189.40	142.18	2,189.40	0.00	0.00	0.00
10,700.00	87.25	359.73	9,065.93	2,289.28	141.71	2,289.28	0.00	0.00	0.00
10,800.00	87.25	359.73	9,070.73	2,389.17	141.24	2,389.17	0.00	0.00	0.00
10,900.00	87.25	359.73	9,075.53	2,489.05	140.77	2,489.05	0.00	0.00	0.00
11,000.00	87.25	359.73	9,080.33	2,588.93	140.30	2,588.93	0.00	0.00	0.00
11,100.00	87.25	359.73	9,085.12	2,688.82	139.83	2,688.82	0.00	0.00	0.00
11,200.00	87.25	359.73	9,089.92	2,788.70	139.36	2,788.70	0.00	0.00	0.00
11,300.00	87.25	359.73	9,094.72	2,888.58	138.89	2,888.58	0.00	0.00	0.00
11,400.00	87.25	359.73	9,099.52	2,988.47	138.42	2,988.47	0.00	0.00	0.00
11,500.00	87.25	359.73	9,104.32	3,088.35	137.95	3,088.35	0.00	0.00	0.00
11,600.00	87.25	359.73	9,109.11	3,188.24	137.48	3,188.24	0.00	0.00	0.00
11,700.00	87.25	359.73	9,113.91	3,288.12	137.01	3,288.12	0.00	0.00	0.00
11,800.00	87.25	359.73	9,118.71	3,388.00	136.53	3,388.00	0.00	0.00	0.00
11,900.00	87.25	359.73	9,123.51	3,487.89	136.06	3,487.89	0.00	0.00	0.00
12,000.00	87.25	359.73	9,128.30	3,587.77	135.59	3,587.77	0.00	0.00	0.00
12,100.00	87.25	359.73	9,133.10	3,687.65	135.12	3,687.65	0.00	0.00	0.00
12,200.00	87.25	359.73	9,137.90	3,787.54	134.65	3,787.54	0.00	0.00	0.00
12,300.00	87.25	359.73	9,142.70	3,887.42	134.18	3,887.42	0.00	0.00	0.00
12,400.00	87.25	359.73	9,147.50	3,987.30	133.71	3,987.30	0.00	0.00	0.00
12,500.00	87.25	359.73	9,152.29	4,087.19	133.24	4,087.19	0.00	0.00	0.00
12,600.00	87.25	359.73	9,157.09	4,187.07	132.77	4,187.07	0.00	0.00	0.00
12,700.00	87.25	359.73	9,161.89	4,286.96	132.30	4,286.96	0.00	0.00	0.00



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-3-2WH		
Design:	13-11-3-2WH REV00		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,800.00	87.25	359.73	9,166.69	4,386.84	131.83	4,386.84	0.00	0.00	0.00
12,900.00	87.25	359.73	9,171.48	4,486.72	131.36	4,486.72	0.00	0.00	0.00
13,000.00	87.25	359.73	9,176.28	4,586.61	130.89	4,586.61	0.00	0.00	0.00
13,100.00	87.25	359.73	9,181.08	4,686.49	130.42	4,686.49	0.00	0.00	0.00
13,200.00	87.25	359.73	9,185.88	4,786.37	129.94	4,786.37	0.00	0.00	0.00
13,300.00	87.25	359.73	9,190.68	4,886.26	129.47	4,886.26	0.00	0.00	0.00
13,400.00	87.25	359.73	9,195.47	4,986.14	129.00	4,986.14	0.00	0.00	0.00
13,412.52	87.25	359.73	9,196.07	4,998.64	128.94	4,998.64	0.00	0.00	0.00
TD- PBHL= 13412.52 MD- 9196.07 TVD									

CONFIDENTIAL



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-3-2WH		
Design:	13-11-3-2WH REV00		

Design Targets

Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Sec. 11, T3S-R2W,		0.00	0.00	52.00	5,675.02	4,726.02	7,260,825.61	2,040,321.53	40° 14' 38.590 N	110° 4' 2.340 W
- plan misses target center by 7385.20usft at 52.00usft MD (52.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				52.00	0.00	0.00	7,260,825.61	2,040,321.53		
Point 2				52.00	-5,275.85	20.62	7,255,550.75	2,040,425.65		
Point 3				52.00	-5,279.71	-1,320.32	7,255,525.67	2,039,084.94		
Point 4				52.00	-5,290.69	-5,277.20	7,255,452.06	2,035,128.73		
Point 5				52.00	-2,658.85	-5,290.82	7,258,083.35	2,035,073.45		
Point 6				52.00	-29.03	-5,309.07	7,260,712.56	2,035,013.58		
Point 7				52.00	-15.65	-2,647.94	7,260,768.05	2,037,674.16		
Point 8				52.00	0.00	0.00	7,260,825.61	2,040,321.53		
Sec. 11, T3S-R2W, 6'		0.00	0.00	52.00	5,013.15	4,067.05	7,260,153.39	2,039,673.11	40° 14' 32.050 N	110° 4' 10.840 W
- plan misses target center by 6455.42usft at 52.00usft MD (52.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				52.00	0.00	0.00	7,260,153.39	2,039,673.11		
Point 2				52.00	-3,955.37	16.14	7,256,198.77	2,039,751.85		
Point 3				52.00	-3,956.81	-664.01	7,256,186.57	2,039,071.81		
Point 4				52.00	-3,965.51	-3,963.14	7,256,125.65	2,035,773.23		
Point 5				52.00	-1,991.37	-3,973.21	7,258,099.38	2,035,731.91		
Point 6				52.00	-22.29	-3,987.14	7,260,068.00	2,035,686.82		
Point 7				52.00	-12.23	-1,986.59	7,260,109.72	2,037,686.96		
Point 8				52.00	0.00	0.00	7,260,153.39	2,039,673.11		
SEC. 14, T3S-R2W,		0.00	0.00	-10.00	399.13	4,736.33	7,255,550.55	2,040,415.34	40° 13' 46.450 N	110° 4' 2.220 W
- plan misses target center by 4753.13usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				-10.00	0.00	0.00	7,255,550.55	2,040,415.34		
Point 2				-10.00	-5,310.27	10.40	7,250,241.11	2,040,509.78		
Point 3				-10.00	-5,307.64	-2,608.45	7,250,202.29	2,037,891.22		
Point 4				-10.00	-5,304.72	-5,226.51	7,250,163.77	2,035,273.44		
Point 5				-10.00	-2,632.39	-5,292.43	7,252,834.72	2,035,165.23		
Point 6				-10.00	-4.56	-5,297.83	7,255,462.14	2,035,118.24		
Point 7				-10.00	-1.26	-1,340.94	7,255,528.07	2,039,074.58		
Point 8				-10.00	0.00	0.00	7,255,550.55	2,040,415.34		
SEC. 14, T3S-R2W, 6'		0.00	0.00	-10.00	-261.73	4,077.99	7,254,879.35	2,039,767.54	40° 13' 39.920 N	110° 4' 10.710 W
- plan misses target center by 4086.39usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Polygon										
Point 1				-10.00	0.00	0.00	7,254,879.35	2,039,767.54		
Point 2				-10.00	-3,988.78	7.70	7,250,891.19	2,039,838.37		
Point 3				-10.00	-3,987.02	-1,949.40	7,250,861.98	2,037,881.49		
Point 4				-10.00	-3,985.12	-3,924.34	7,250,832.62	2,035,906.76		
Point 5				-10.00	-1,962.40	-3,974.80	7,252,854.29	2,035,824.29		
Point 6				-10.00	-3.43	-3,977.94	7,254,812.96	2,035,790.15		
Point 7				-10.00	-0.12	-681.73	7,254,868.44	2,039,085.89		
Point 8				-10.00	0.00	0.00	7,254,879.35	2,039,767.54		
Nudge Pt. (13-11-3-2)		0.00	0.00	8,300.00	363.00	147.00	7,255,441.78	2,035,827.15	40° 13' 46.097 N	110° 5' 1.395 W
- plan hits target center										
- Point										
Top Production (13-11		0.00	0.00	8,984.00	1,052.35	146.17	7,256,131.04	2,035,815.41	40° 13' 52.910 N	110° 5' 1.405 W
- plan misses target center by 16.41usft at 9459.56usft MD (9000.30 TVD, 1050.71 N, 147.00 E)										
- Point										
Top Production - PLA'		0.00	0.00	8,984.00	1,052.35	96.17	7,256,130.24	2,035,765.41	40° 13' 52.910 N	110° 5' 2.050 W
- plan misses target center by 53.41usft at 9459.56usft MD (9000.30 TVD, 1050.71 N, 147.00 E)										
- Point										



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+18'= 5,434' MSL) @ 5434.00usft (RIG (KB= 18'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-3-2WH		
Design:	13-11-3-2WH REV00		

TD-PBHL - PLAT (13-11-3-2WH)	0.00	0.00	9,196.00	4,998.64	79.09	7,260,075.77	2,035,685.88	40° 14' 31.910 N	110° 5' 2.270 W	
- plan misses target center by 49.85usft at 13412.52usft MD (9196.07 TVD, 4998.64 N, 128.94 E)										
- Point										
TD-PBHL (13-11-3-2V)	0.00	0.00	9,196.00	4,998.64	129.09	7,260,076.56	2,035,735.87	40° 14' 31.910 N	110° 5' 1.625 W	
- plan misses target center by 0.16usft at 13412.51usft MD (9196.07 TVD, 4998.64 N, 128.94 E)										
- Point										

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
8,993.67	8,897.91	Uteland Butte Top		2.75	0.00
9,202.01	8,973.17	Uteland Butte C-PZ1		2.75	0.00
9,519.96	9,006.36	Uteland Butte C-PZ2 HZ Tgt		2.75	0.00

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
2,500.00	2,500.00	0.00	0.00	Nudge KOP- Build= 2.00/100' MD
2,700.03	2,699.86	6.47	2.62	EOB-Tangent= 5413.46 ft. at 2700.03 MD
8,113.49	8,100.14	356.53	144.38	EOT- Nudge Drop=-2.00/100 MD
8,313.52	8,300.00	363.00	147.00	Nudge Vert Pt= 8313.52 MD- 8300.00 TVD
8,473.52	8,460.00	363.00	147.00	Curve KOP- Build= 11.00/100 MD at 8460.00 TVD
9,239.42	8,978.25	831.69	147.00	Land Pt= 84.25° Angle= 9239.42 MD- 8978.25 TVD
9,526.42	9,007.00	1,117.24	147.00	Curve DLS= 3.00/100 MD- TFO -5.14
9,626.83	9,014.44	1,217.36	146.76	Land Pt HZ Tgt= 87.25° Angle= 9626.83 MD- 9014.44 TVD
13,412.52	9,196.07	4,998.64	128.94	TD- PBHL= 13412.52 MD- 9196.07 TVD

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

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

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 (“Newfield”).
2. Newfield is the Operator of the proposed Dart 13-11-3-2WH well with a surface location to be positioned in the NWNW of Section 14, Township 3 South, Range 2 West (the “Drillsite Location”), with a well bore point of entry in the SWSW of Section 11, Township 3 South, Range 2 West and a bottom hole location to be positioned in the NWNW of Section 11, Township 3 South, Range 2 West, Duchesne County, Utah. The surface owner of the Drillsite Location is Bruce Dart, Trustee whose address is Route 2, Box 2044, Roosevelt, UT 84066 (“Surface Owner”).
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated February 16, 2013 covering the Drillsite Location, access to the Drillsite Location, and the pipeline route to the pipeline connection point.

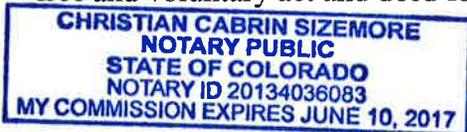
FURTHER AFFIANT SAYETH NOT.

Peter Burns

ACKNOWLEDGEMENT

STATE OF COLORADO	§
	§
COUNTY OF DENVER	§

Before me, a Notary Public, in and for the State, on this 26th day of June, 2013, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:

AFFIDAVIT OF EASEMENT AND RIGHT-OF-WAY

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

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Aubrey 1A-15-22-3-2WH, Nelson 3-14-3-2WH and Dart 13-11-3-2WH wells to be drilled from a pad location in the NWNW of Section 14, Township 3 South, Range 2 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of a portion of the access road and pipeline route is William Mellema, Jr. - Trustee, whose address is P.O. Box 1198, Parker, CO 80134-1198 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement and Right-of-Way dated September 20, 2012 covering the N/2 and SE/4SW/4 of Section 15, Township 3 South, Range 2 West, Duchesne County, Utah.

FURTHER AFFIANT SAYETH NOT.

Peter Burns

CONFIDENTIAL

ACKNOWLEDGEMENT

STATE OF COLORADO	§
	§
COUNTY OF DENVER	§

Before me, a Notary Public, in and for the State, on this 26th day of June, 2013, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



NOTARY PUBLIC

My Commission Expires:

June 26, 2013

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

NEWFIELD



Newfield Exploration Company

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

RE: 13-11-3-2WH
Township 3 South, Range 2 West, Section 11
Duchesne County, Utah

Dear Mr. Hill,

Newfield Production Company ("Newfield") proposes to drill the 13-11-3-2WH from a surface location of 394' FNL and 561' FWL of Section 14, T3S R2W, to a bottom hole location of 660' FNL and 660' FWL of Section 11, T3S R2W.

The 13-11-3-2WH is covered by Order No. 139-90, which requires no portion of the producing interval of the horizontal lateral be closer than 660' from the northern or southern section boundaries and no closer than 660' from the eastern or western section boundaries.

In compliance with the above referenced Order, the top of the uppermost producing zone of the 13-11-3-2WH is 660' FSL and 660' FWL of 3S 2W Section 11. Newfield shall case and cement the 13-11-3-2WH wellbore from the surface location to the point where the wellbore reaches the legal setback, and the wellbore will only be completed within the legal setback. In the event a future recompletion outside of this setback is proposed, Newfield shall attempt to acquire consent from all the owners in Section 14 of T3S R2W, and shall file the appropriate application with the State. The bottom hole location of the 13-11-3-2WH is 660' FNL and 660' FWL of 3S 2W Section 11, which is within the legal setback. In the event the horizontal lateral drifts west, Newfield will attempt to acquire consent from all owners in Section 10 of T3S R2W and shall file the appropriate application with the State.

Newfield has also obtained authorization from the surface owner of the drilling location, as is evidenced by the Affidavit of Easement, Right-of-Way and Surface Use Agreement attached to the APD. Newfield and its partners are the leasehold owners of the minerals underlying the surface location and all that portion of the wellbore of the 13-11-3-2WH lying outside the drilling unit.

Based on Newfield's compliance with the requirements of Order No. 139-90, Newfield respectfully requests the approval of our APD for the 13-11-3-2WH.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4466 or by email at rmiller@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rob N. Miller II".

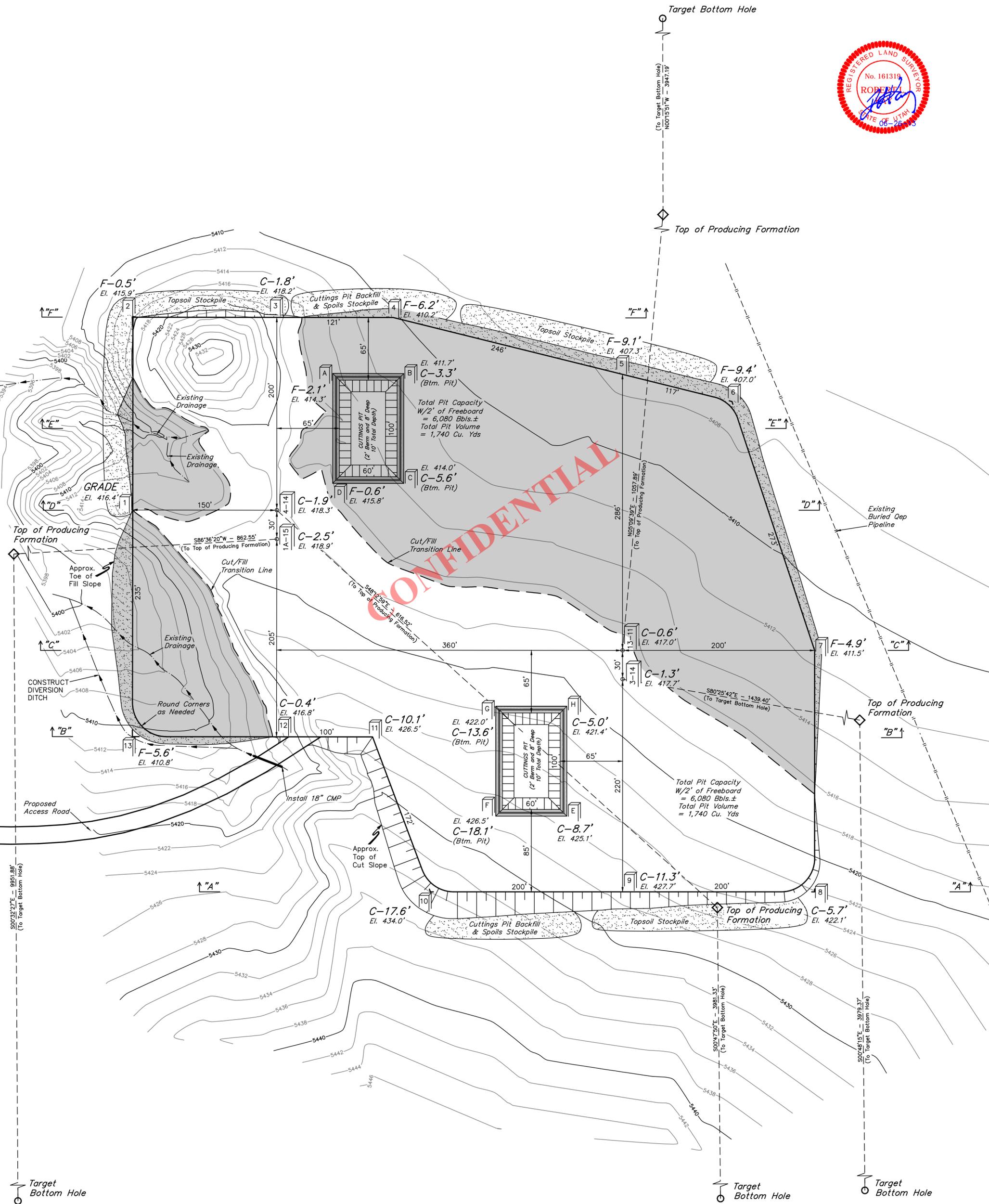
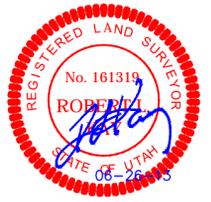
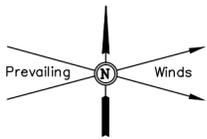
Robert N. Miller II
Landman

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#4-14-3-2WH, #1A-15-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13
REVISED: 06-26-13



Elev. Ungraded Ground At #4-14-3-2WH Loc. Stake = 5418.3'
FINISHED GRADE ELEV. AT #4-14-3-2WH LOC. STAKE = 5416.4'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

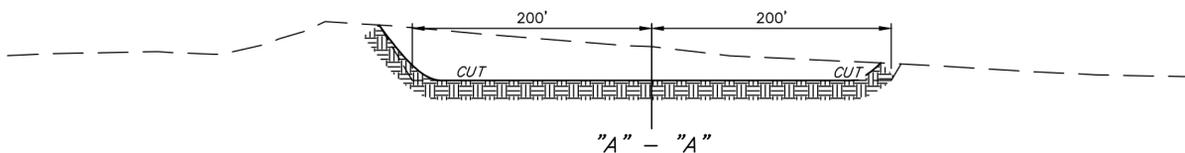
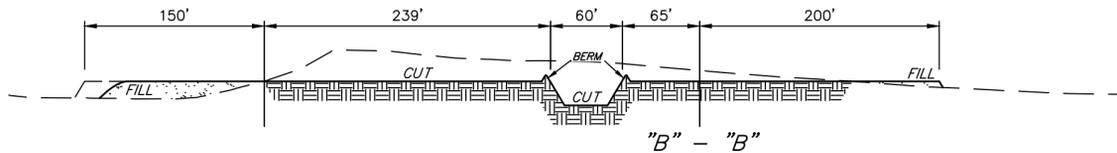
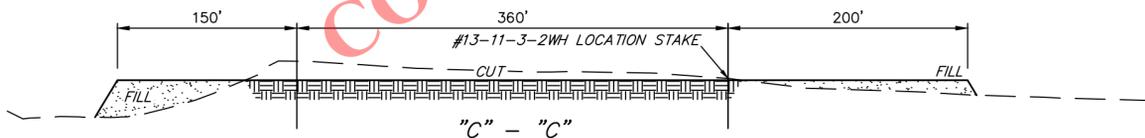
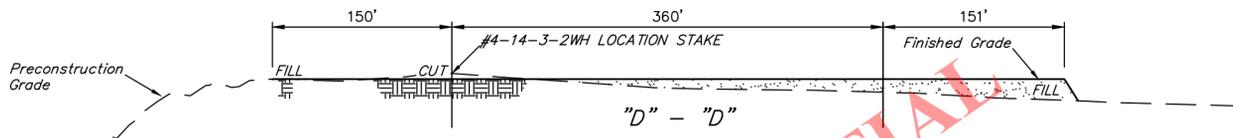
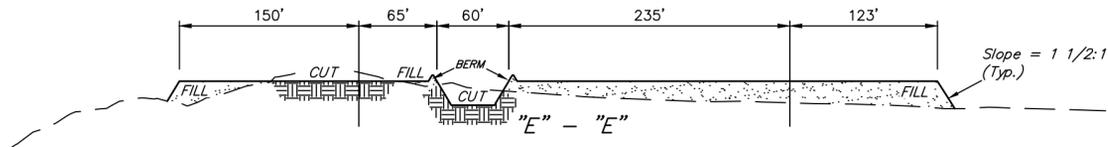
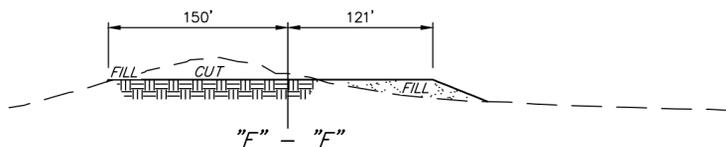
RECEIVED: July 01, 2013

NEWFIELD EXPLORATION COMPANY

X-Section Scale
1" = 40'
1" = 100'

DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13
REVISED: 06-26-13

TYPICAL CROSS SECTIONS FOR
#4-14-3-2 WELL PAD FOR
#4-14-3-2WH, #1A-15-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4



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NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 6,900 Cu. Yds.
Remaining Location = 34,870 Cu. Yds.
TOTAL CUT = 41,770 CU. YDS.
FILL = 33,130 CU. YDS.

EXCESS MATERIAL = 8,640 Cu. Yds.
Topsoil & Pit Backfill = 1,740 Cu. Yds. (1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds. (After Interim Rehabilitation)

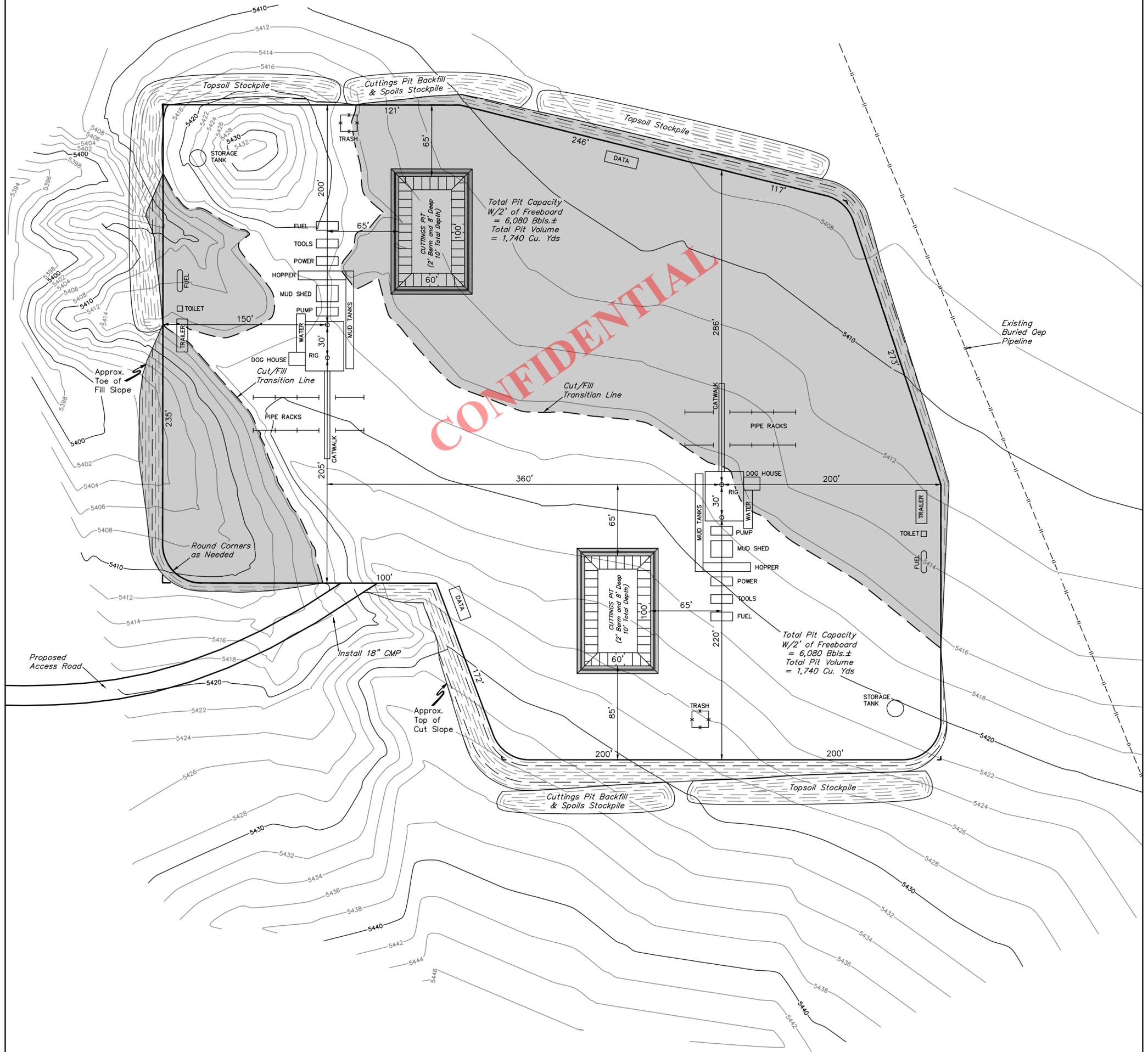
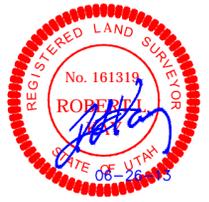
APPROXIMATE ACREAGE
WELL SITE DISTURBANCE = ± 10.751 ACRES
ACCESS ROAD DISTURBANCE = ± 1.796 ACRES
PIPELINE DISTURBANCE = ± 0.111 ACRES
TOTAL = ± 12.658 ACRES

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#4-14-3-2WH, #1A-15-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-26-13



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NEWFIELD EXPLORATION COMPANY

PRODUCTION FACILITY LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#4-14-3-2WH, #1A-15-3-2WH,
#13-11-3-2WH & #3-14-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13
REVISED: 06-26-13



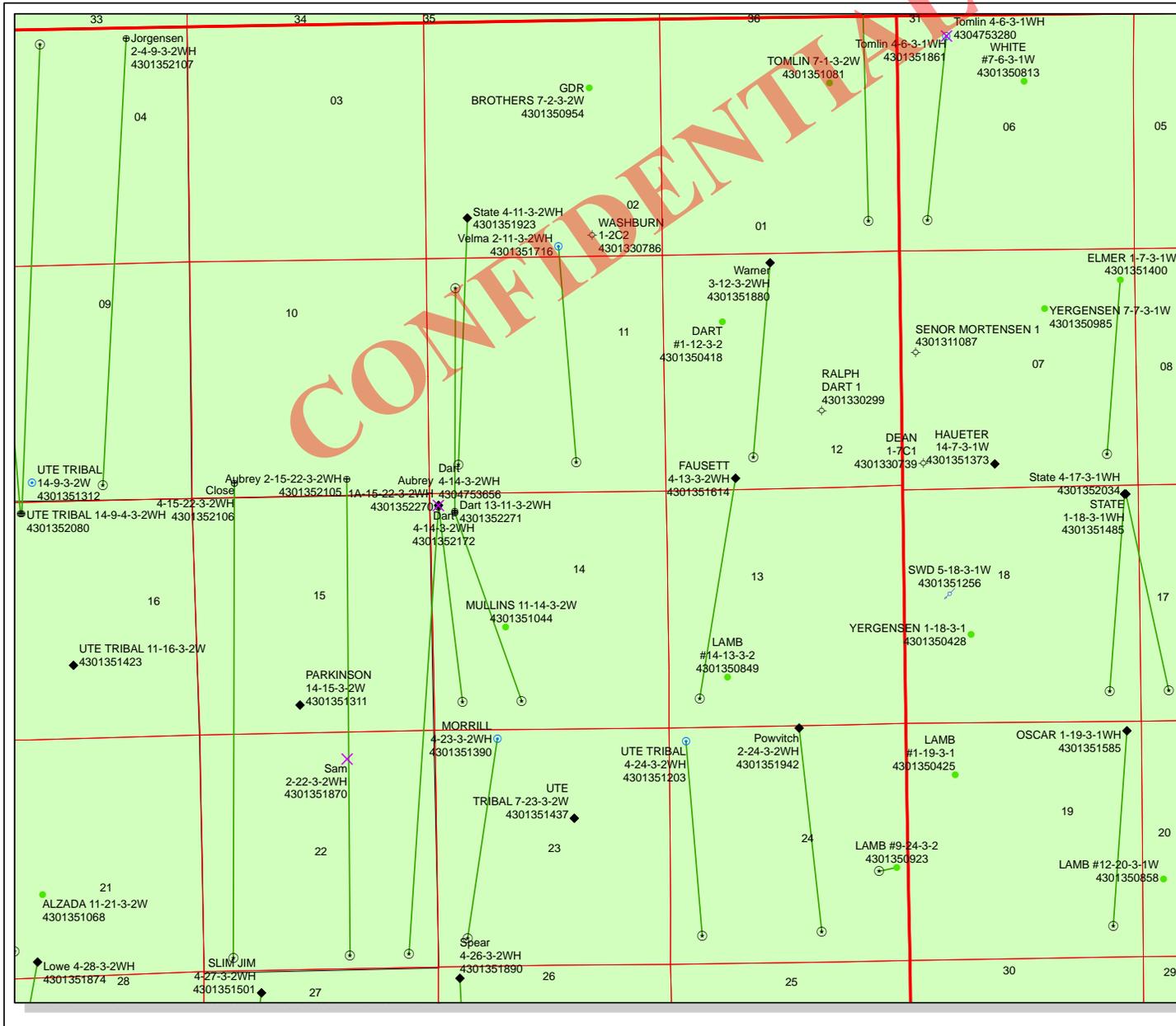
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RECLAIMED AREA

APPROXIMATE ACREAGE
UN-RECLAIMED = ± 2.855 ACRES

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

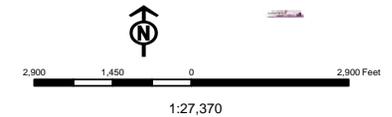
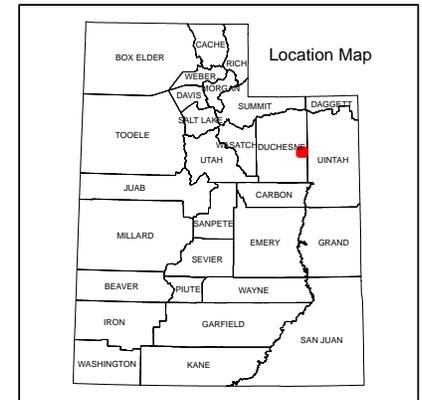
RECEIVED: July 01, 2013



API Number: 4301352271
Well Name: Dart 13-11-3-2WH
Township T03.0S Range R02.0W Section 14
Meridian: UBM
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

- Units STATUS**
- ACTIVE
 - EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PI OIL
 - PP GAS
 - PP GEOTHERM
 - PP OIL
 - SECONDARY
 - TERMINATED



Well Name	NEWFIELD PRODUCTION COMPANY Dart 13-11-3-2WH 4301352271			
String	Cond	Surf	I1	Prod
Casing Size(")	20.000	13.375	9.625	5.500
Setting Depth (TVD)	60	1600	8491	9196
Previous Shoe Setting Depth (TVD)	0	60	1600	8491
Max Mud Weight (ppg)	8.4	8.4	10.5	14.5
BOPE Proposed (psi)	0	500	5000	5000
Casing Internal Yield (psi)	1000	2730	5750	12360
Operators Max Anticipated Pressure (psi)	6695			14.0

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

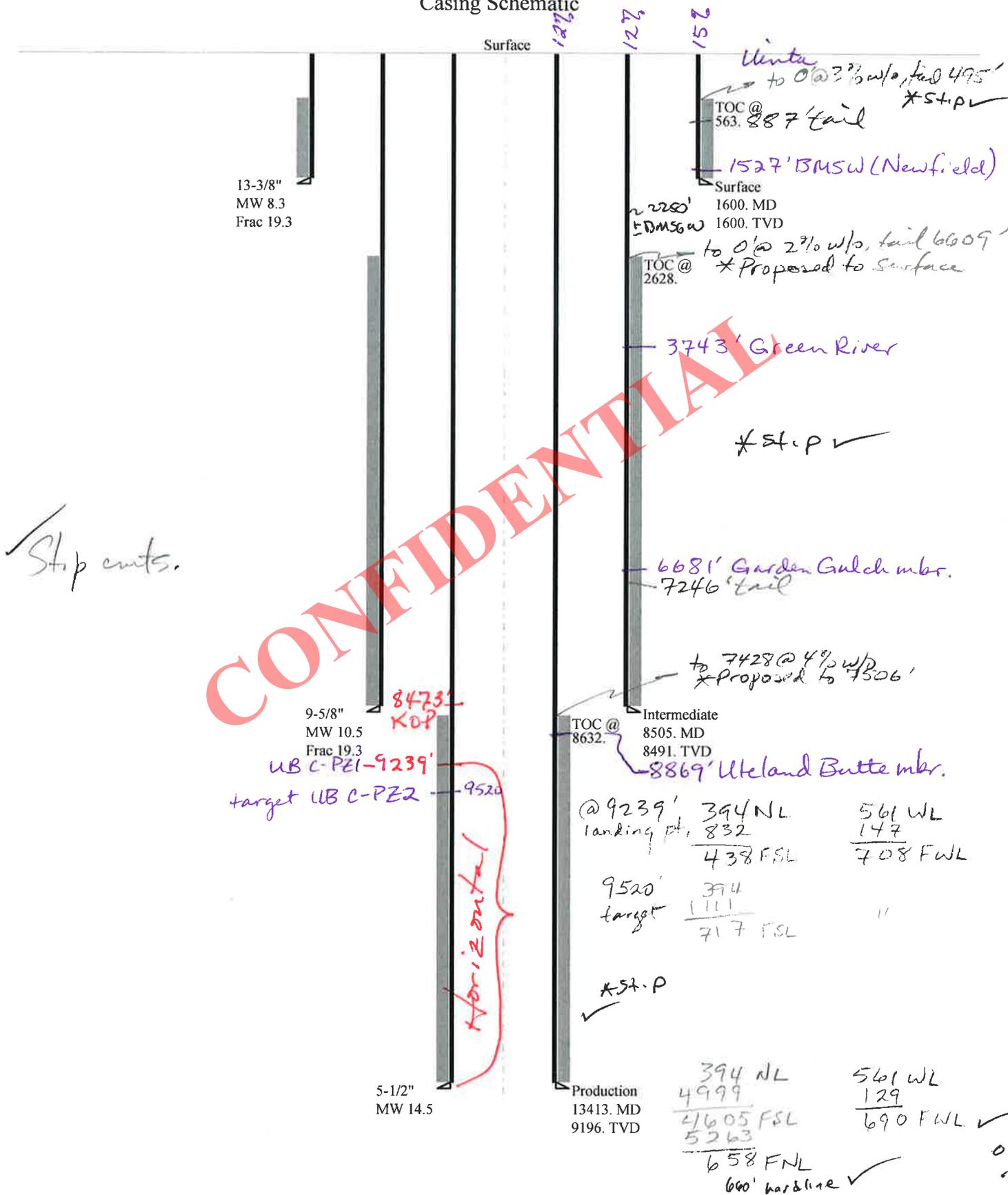
Calculations	Surf String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	699	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	507	NO diverter, w air and/or FW mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	347	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	360	NO OK
Required Casing/BOPE Test Pressure=		1600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	4636	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3617	YES 5M BOPE, 2 ram preventers, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2768	YES preventer, 5M choke manifold
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3120	NO OK
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1600	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	6934	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	5830	NO 5M BOPE, 2 ram preventers, annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4911	YES preventer, 5M choke manifold
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	6779	YES OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5750	psi *Assumes 1psi/ft frac gradient

43013522710000 Dart 13-11-3-2WH

Casing Schematic



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Stop cuts.

Horizontal

OK

Well name:	43013522710000 Dart 13-11-3-2WH	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-52271
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 97 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 563 ft

Burst

Max anticipated surface pressure: 1,408 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,600 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 1,403 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,491 ft
Next mud weight: 10.000 ppg
Next setting BHP: 4,411 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,600 ft
Injection pressure: 1,600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1600	13.375	54.50	J-55	ST&C	1600	1600	12.49	19853
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	692	1130	1.632	1600	2730	1.71	76.5	514	6.72 J

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

Phone: 801.538.5357
FAX: 501.359.3940

Date: August 20, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1600 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	43013522710000 Dart 13-11-3-2WH	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Intermediate	Project ID: 43-013-52271
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 10.500 ppg
Internal fluid density: 5.500 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 194 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 2,628 ft

Burst

Max anticipated surface pressure: 4,904 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 6,772 psi

Annular backup: 2.33 ppg

Tension:

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

Tension is based on buoyed weight.
Neutral point: 7,176 ft

Directional well information:

Kick-off point: 2500 ft
Departure at shoe: 392 ft
Maximum dogleg: 11 °/100ft
Inclination at shoe: 3.46 °

Re subsequent strings:

Next setting depth: 9,196 ft
Next mud weight: 14.500 ppg
Next setting BHP: 6,927 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 8,491 ft
Injection pressure: 8,491 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8505	9.625	40.00	N-80	Buttress	8491	8505	8.75	115802
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2206	2736	1.240	5744	5750	1.00	286.6	916.3	3.20 B

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

Phone: 801.538.5357
FAX: 501.359.3940

Date: August 20, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8491 ft, a mud weight of 10.5 ppg. An internal gradient of .286 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:	43013522710000 Dart 13-11-3-2WH	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-52271
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 14.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 204 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 8,632 ft

Burst

Max anticipated surface pressure: 4,904 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 6,927 psi

Annular backup: 2.33 ppg

Tension:

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

Directional well information:

Kick-off point: 2500 ft
Departure at shoe: 5001 ft
Maximum dogleg: 11 °/100ft
Inclination at shoe: 87.25 °

Tension is based on buoyed weight.
Neutral point: 7,189 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	13413	5.5	20.00	P-110	Buttress	9196	13413	4.653	111277
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	6927	11100	1.602	5814	12360	2.13	143.6	641.1	4.47 B

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

Phone: 801.538.5357
FAX: 501.359.3940

Date: August 20, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9196 ft, a mud weight of 14.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the 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 Dart 13-11-3-2WH
API Number 43013522710000 **APD No** 8236 **Field/Unit** NORTH MYTON BENCH
Location: 1/4,1/4 NWNW **Sec** 14 **Tw** 3.0S **Rng** 2.0W 394 FNL 561 FWL
GPS Coord (UTM) 577906 4453509 **Surface Owner** Bruce Dart, Trustee

Participants

Bruce Dart - Landowner ; Jim Burns - Starpoint ; Forrest Bird, Mandie Crozier, Matt Barber - NFX; Kyle Gardiner - Uintah Engineering

Regional/Local Setting & Topography

This location is in the north Myton Bench area between the Flattop Butte to the South and on one of the terraced benches to the North. The Section of Hwy 40 between Myton and Roosevelt is found 1 mile East. The city of Roosevelt is approximately 10 road miles northeast. The area is a series of current and historical river floodplains bordered on the North and south by deeply incised benches and the occasional butte. The soils are generally high in plastic clays with some clastic sandstone gravels. The region is sparsely vegetated with spring desert annuals and halophytic shrubs except in places where soils have been cultivated and irrigated for agricultural purposes; the dominant industry of the region. The region has seen recent heavy development for petroleum extraction. The Duchesne River, flattop butte and several canal systems with associated laterals and ditches can be found in a one mile radius of the site.

This is another well on an existing pad previously permitted. It is planned to add an additional pad immediately adjacent with the addition of 2 more wells. The total disturbance will approximate 2 1/2 to 3 pads in area.

Original write up of the 4-14-3-2WH:

The location is proposed on fallow grazing lands on the edge of the North Myton Bench. Drainages from the bench impact the site in two places. The area is rather barren of vegetation and the soils are clays. There are numerous eroded knolls and slight swales with an historic floodplain below. The location is one mile West of Highway 40 and 2 1/2 miles North of Myton just off Dart lane. The region is comprised of benches of differing levels and floodplains from the Duchesne River that has moved from its historic route. The soils are highly erodible and vegetation is sparse with the exception of the floodplains that are quite productive farmlands. Occasional buttes and numerous deep cut erosional features describe the region that is experiencing rapid growth in petroleum development.

Surface Use Plan

Current Surface Use

Grazing
Wildlife Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
2.1	Width 400 Length 700	Onsite	UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

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

Dominant vegetation;

Galletta, mat atriplex and broom snake weed

Wildlife;

Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits. Wild turkeys have moved in and were encountered multiple times.

DWR did not respond with comments / issues

Soil Type and Characteristics

fat light colored clays

Erosion Issues Y

Highly erodible soils

Sedimentation Issues Y

Site Stability Issues N

Drainage Diversion Required? Y

Diversion shown on plans submitted

Berm Required? Y

berm to prevent fluids for 4m entering or leaving the location

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	75 to 100	10
Distance to Surface Water (feet)	300 to 1000	2
Dist. Nearest Municipal Well (ft)	1320 to 5280	5
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Oil Base Mud Fluid	15
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5

Affected Populations

Presence Nearby Utility Conduits Present	15	
Final Score	82	1 Sensitivity Level

Characteristics / Requirements

Operator intends to use an oil based drilling mud and is therefore required to use a closed loop system. If a reserve pit and freshwater is used, Pit to be dug to a depth of 8'. Because of the likely hood of disturbance to existing sandstone bedrock , pit underlayment is to be used to protect the liner from potential puncture. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete.

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

Other Observations / Comments

2 pads are to built immediately adjacent and connected and other lands graded to make roughly a square. It will have 2 pits etc.

Chris Jensen
Evaluator

7/25/2013
Date / Time

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8236	43013522710000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD	Bruce Dart, Trustee	
Well Name	Dart 13-11-3-2WH		Unit		
Field	NORTH MYTON BENCH		Type of Work	DRILL	
Location	NWNW 14 3S 2W U 394 FNL	561 FWL	GPS Coord		
	(UTM) 577910E	4453514N			

Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 1,600' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,250'. A search of Division of Water Rights records shows 10 water wells within a 10,000 foot radius of the center of Section 14. All wells are privately owned. Depth is listed as ranging from 30 to 300 feet. Average depth is approximately 100 feet. Water use is listed as irrigation, stock watering, and domestic. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Intermediate casing cement should be brought up to or above the estimated base of the moderately saline ground water.

Brad Hill
APD Evaluator

8/7/2013
Date / Time

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window typical of a horizontal well. Access road enters the pad from the east. The landowner was in attendance for the pre-site inspection.

The soil type and topography at present do combine to pose a small threat to erosion or sediment/ pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Operator has plans to use a closed loop system an oil based mud not indicated on plans.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The location was previously surveyed for cultural and paleontological resources as the operator saw fit. I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. A diversion is to be built sufficient to conduct overland or channel flow according to plans submitted. Interimj reclamation was promised and reaffirmed the landowner according to plots

Chris Jensen
Onsite Evaluator

7/25/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the cuttings pit.
Pits	A closed loop mud circulation system is required for this location.
Surface	Interim reclamation to begin immediately after drilling completion of wells according to landowner agreements and as indicated on plans submitted
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/1/2013

API NO. ASSIGNED: 43013522710000

WELL NAME: Dart 13-11-3-2WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNW 14 030S 020W

Permit Tech Review:

SURFACE: 0394 FNL 0561 FWL

Engineering Review:

BOTTOM: 0660 FNL 0660 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.22844

LONGITUDE: -110.08422

UTM SURF EASTINGS: 577910.00

NORTHINGS: 4453514.00

FIELD NAME: NORTH MYTON BENCH

LEASE TYPE: 4 - Fee

LEASE NUMBER: Patented

PROPOSED PRODUCING FORMATION(S): UTELAND BUTTE

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-90
- Effective Date: 5/9/2012
- Siting: 4 Prod LGRRV-WSTC Wells
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill
 5 - Statement of Basis - bhill
 8 - Cement to Surface -- 2 strings - hmacdonald
 12 - Cement Volume (3) - hmacdonald
 27 - Other - bhill
 28 - Other2 - ddoucet



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Dart 13-11-3-2WH
API Well Number: 43013522710000
Lease Number: Patented
Surface Owner: FEE (PRIVATE)
Approval Date: 8/29/2013

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-90. The expected producing formation or pool is the UTELAND BUTTE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

Exception Location:

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

General:

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

Conditions of Approval:

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

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.

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

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 7506' MD as indicated in the submitted drilling plan.

Oil Based Mud (OBM) cannot be used below surface shoe at 1600' as Base of Moderately Saline Groundwater is estimated at 2250'. OBM can be used below Intermediate shoe at 8505'.

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to

implementation

- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

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

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Dart 13-11-3-2WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013522710000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202	PHONE NUMBER: 303 382-4443 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0394 FNL 0561 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U	9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

This sundry is being submitted to request an extension to this APD that expires 08/29/2014.

Approved by the
July 07, 2014
Oil, Gas and Mining

Date: _____
 By: 

NAME (PLEASE PRINT) Melissa Luke	PHONE NUMBER 303 323-9769	TITLE Regulatory Technician
SIGNATURE N/A	DATE 7/14/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013522710000

API: 43013522710000

Well Name: Dart 13-11-3-2WH

Location: 0394 FNL 0561 FWL QTR NWNW SEC 14 TWNP 030S RNG 020W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 8/29/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Melissa Luke

Date: 7/14/2014

Title: Regulatory Technician Representing: NEWFIELD PRODUCTION COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202	7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: 303 382-4443 Ext	8. WELL NAME and NUMBER: DART 13-11-2-3-2WH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0394 FNL 0561 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U	9. API NUMBER: 43013522710000
	9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/25/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield Production Company respectfully requests that the Dart 13-11-3-2WH (fee surface and mineral) be changed from a 640 horizontal lateral well to a 1280 horizontal lateral well and that the well name be changed to the Dart 13-11-2-3-2WH (see attached details and supplemental information).

Approved by the
August 28, 2014
Oil, Gas and Mining

Date: _____
 By: Don Hamilton

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 719-2018	TITLE Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE N/A	DATE 7/11/2014	

Dart 13-11-2-3-2WH

Newfield Production Company respectfully requests that the Dart 13-11-3-2WH (fee surface and mineral) be changed from a 640 horizontal lateral well to a 1280 horizontal lateral well and that the well name be changed to the Dart 13-11-2-3-2WH. The TVD will change from 9,196' to 9,529' and the MD will change from 13,412' to 19,460', surface location remains unchanged. Following are the updated locations along the intended well bore path:

- Surface Location: 394' FNL & 561' FWL, NWNW, Section 14, T3S, R2W, USB&M. (unchanged from permitted);
- Top of Producing Interval: 330' FSL & 660' FWL, SWSW, Section 11, T3S, R2W, USB&M;
- Bottom Hole: 330' FNL & 660' FWL, NWNW, Section 2, T3S, R2W, USB&M;

Attached please find an updated plat package, drilling plan, horizontal plan, exception letter and lease plat reflecting the changes. Surface use with Bruce Dart Trustee remains in place.

T3S, R2W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

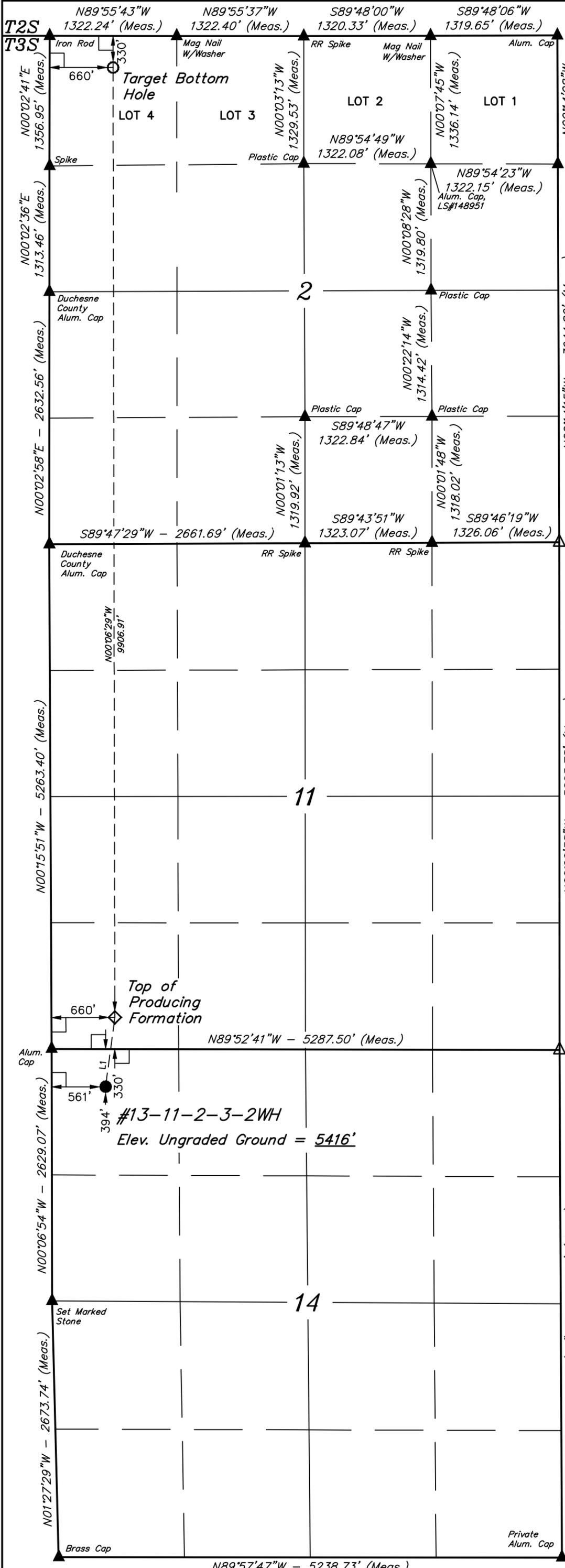
Well location, #13-11-2-3-2WH, located as shown in the NW 1/4 NW 1/4 of Section 14, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

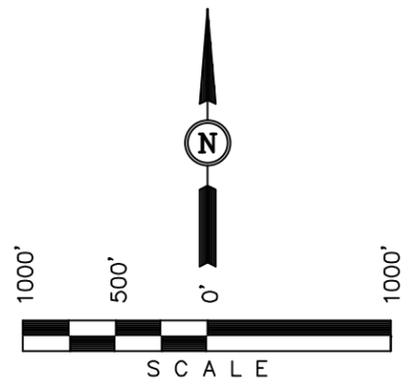
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N07°36'38"E	730.03'

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°13'42.51" (40.228475)
LONGITUDE	= 110°05'03.29" (110.084247)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 40°13'42.65" (40.228514)
LONGITUDE	= 110°05'00.74" (110.083539)
NAD 83 (TOP OF PRODUCING FORMATION)	
LATITUDE	= 40°13'49.65" (40.230458)
LONGITUDE	= 110°05'02.04" (110.083900)
NAD 27 (TOP OF PRODUCING FORMATION)	
LATITUDE	= 40°13'49.80" (40.230500)
LONGITUDE	= 110°04'59.49" (110.083192)
NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE	= 40°15'27.53" (40.257647)
LONGITUDE	= 110°05'02.22" (110.083950)
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE	= 40°15'27.68" (40.257689)
LONGITUDE	= 110°04'59.68" (110.083244)



CERTIFICATE

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

ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

REVISED: 02-07-14 C.A.G.

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-15-13	DATE DRAWN: 04-30-13
PARTY M.A. C.K. S.F.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	

Newfield Production Company
13-11-2-3-2WH
Surface Hole Location: 394' FNL, 561' FWL, Section 14, T3S, R2W
Bottom Hole Location: 330' FNL, 660' FWL, Section 2, T3S, R2W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	3,798'
Garden Gulch	6,698'
Uteland Butte Member	8,939'
Lateral TD	9,529' TVD / 19,460' MD

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

Base of moderately saline	2,250'	(water)
Green River	6,698' - 8,939'	(oil)
Uteland Butte Member	8,939' - 9,529'	(oil)

3. Pressure Control

Section BOP Description

Surface Diverter

Intermediate The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

Prod/Prod Liner The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Conductor 20	0'	60'	--	--	Weld	--	--	--	--	--	--
Surface 13 3/8	0'	1,500'	54.5	J-55	STC	8.33	8.4	14	2,730	1,130	514,000
Intrm Drilling 9 5/8	0'	8,603' 8,613'	40	N-80	BTC	10	10.5	16	5,750	3,090	916,000
Production 5 1/2	0'	9,529' 19,460'	20	P-110	BTC	14	14.5	17	12,360	11,080	641,000
									2.24	1.93	1.65

Assumptions:

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

Intermediate casing drilling MASP = 0.5 ppg gas kick with a 70 bbl gain and frac at the shoe with a 1 ppg safety factor

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

Intermediate collapse calculations assume 50% evacuated

Maximum intermediate csg collapse load assumes loss of mud to a fluid level of 4,302'

Intermediate csg run from surface to 8,603' and will not experience full evacuation

Production csg run from surface to TD will isolate intermediate csg from production loads

Production csg withstands burst and collapse loads for anticipated production conditions

Surface & production collapse calcs assume fully evacuated casing w/ a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.15 psi/ft

All casing shall be new.

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

5. Cement

Job	Hole Size	Fill	Slurry Description	ft ³	OH excess	Weight (ppg)	Yield (ft ³ /sk)
				sacks			
Conductor	24	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	66	15%	15.8	1.17
				57			
Surface Lead	17 1/2	1,000'	Varicem (Type III) + .125 lbs/sk Cello Flakes	799	15%	11.0	3.33
				240			
Surface Tail	17 1/2	500'	Varicem (Type III) + .125 lbs/sk Cello Flakes	399	15%	13.0	1.9
				210			
Intermediate Lead	12 1/4	6,698'	HLC Premium - 35% Poz/65% Glass G + 10% bentonite	2413	15%	11.0	3.53
				683			
Intermediate Tail	12 1/4	1,915'	50/50 Poz/Class G + 1% bentonite	690	15%	14.0	1.29
				535			
Production Lead	8 3/4	10,847'	Elastiseal Foamed	3014	10%	14.5 - 17.3	1.84
				1638			
Production Tail	8 3/4	500'	Elastiseal Unfoamed	139	10%	17.3	1.84
				76			

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

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

The 5.5" production string will be run from surface to TD and cemented to setback. The cement slurries will be adjusted for hole conditions and blend test results. The lateral will be cemented past the setback.

The wellbore will cross the heel setback @ 9,415' MD

The first perforation will be within 19,325' MD

Per the directional plan, the bore hole will be drilled 135' past the toe setback for the rat hole and shoe track. This well will not be perforated or produced outside the legal setbacks.

6. Type and Characteristics of Proposed Circulating Medium**Interval****Description**

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

1,500' - 8,613' A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 10.5 ppg.

8,613' - TD One of two possible mud systems may be used depending on offset well performance on ongoing wells: A
water based mud: Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

-or-

A diesel based OBM system: with an oil to water ratio between 70/30 and 80/20. Emulsifiers and wetting agents will be used to maintain adequate mud properties. A water phase salinity will be maintained in the range of 25% using CaCl (Calcium Chloride). All cuttings will be dried and centrifuged so that they can be easily transferred to a lined cuttings pit with little to no free fluid on them. The cuttings will be mixed with fly ash prior to transportation to a location on Newfield owned surface. Once on Newfield owned surface, the cuttings will be treated with the previously approved FIRMUS process and used as a construction material on future location and/or roads on Newfield owned surface. The cuttings may also be transported to a state approved disposal facility.

Anticipated maximum mud weight is 14.5 ppg.

7. Logging, Coring, and Testing

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

Cores: As deemed necessary.

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

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.73 psi/ft gradient.

$$9,529' \times 0.73 \text{ psi/ft} = 6937.1 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

The lateral of this well will target the Uteland Butte member of the Green River formation. After setting 9-5/8" casing, an 8-3/4" vertical hole will be drilled to a kick off point of 8,648'. Directional tools will then be used to build to 87.23 degrees inclination. The lateral will be drilled to the bottomhole location shown on the plat. A 5-1/2" longstring will be run from surface to TD and cemented in place.

Newfield requests the following variances from Onshore Order #2:

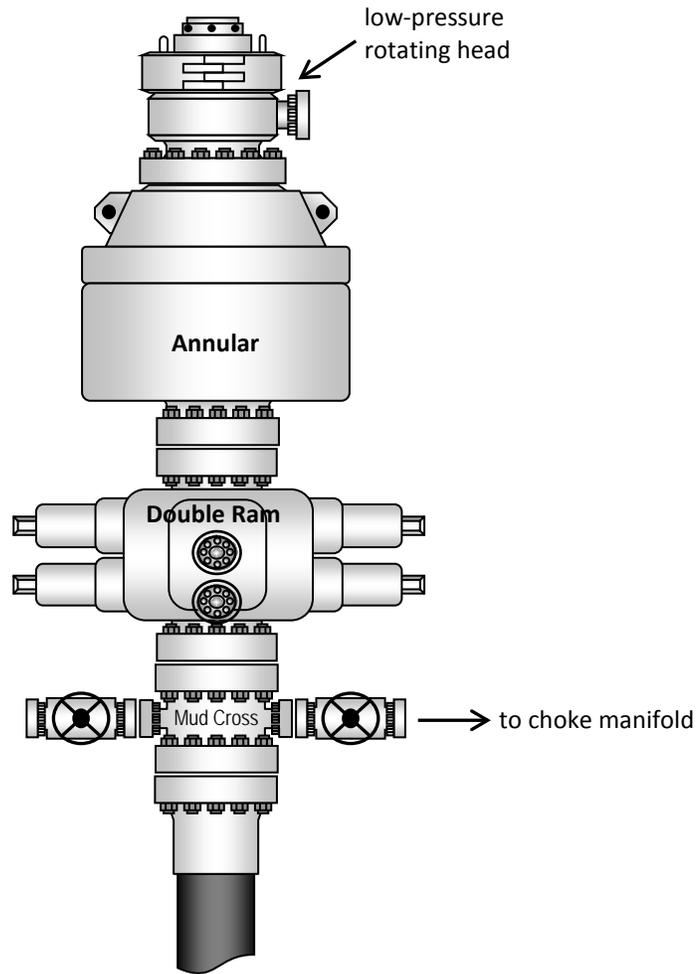
- Variance from Onshore Order #2, III.E.1
Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

If oil based mud (OBM) is used and if Newfield owns the surface rights on the same drilling site at a location where construction is desired, the cuttings may be used for construction by a Firmus® process at that location. Otherwise, after the cuttings have been made safe for transport as described in paragraph 6, they will be transported to another location on which Newfield owns surface rights and there mixed, as part of a Firmus® process, with at least one additional chemical that will convert them to a temporarily uncured cementitious mixture that will be placed and shaped into a temporary desired final structure that will spontaneously harden within seven days after placement to form the desired structure. Samples of the temporary desired final structure may be taken for testing as described below (after the samples have hardened), or samples of the starting pretreated cuttings and mud will be taken during the construction and later mixed in a laboratory, molded, and cured to simulate the final structure as well as reasonably possible. Either these laboratory-made simulations of the final structure or samples of the temporary mixture itself after hardening, will be mechanically tested directly to determine their unconfined compressive strength and their hydraulic conductivity. Leachates of the mechanically tested structures themselves or of finer particles made by crushing and size-grading of the mechanically tested structures themselves to a specified particle size range will be analyzed, according to specified methods, for their contents of arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, zinc, benzene, total petroleum hydrocarbons (TPH), and chlorides, and the pH of these leachates will also be measured. The results of all these tests will be reported by Newfield to UDOGM at intervals as requested, along with the latitude and longitude (or other comparable location data) of the site of the useful constructions built.

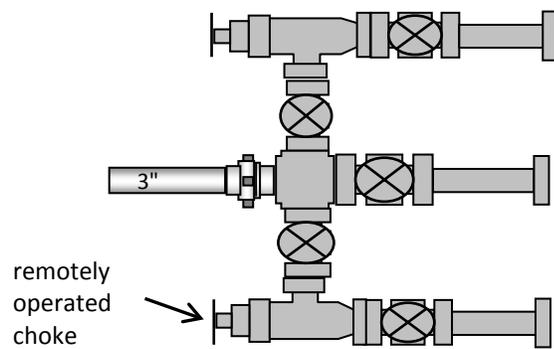
Water flows in the surface hole are likely. If the water flow is less than 400 bbls/hr, the well will be allowed to flow until the surface casing point is reached and water will be hauled off location. If the water flow is greater than 400 bbls/hr, the water flow will be controlled with kill weight mud which will be maintained until TD. In both situations, the cement density will be adjusted to meet or exceed the mud weight needed to kill the water flow and the well will be shut in once cement is in place. If cement fails to reach the surface or falls back, a top job will be performed to bring cement to surface. Any water flows will be sampled and tested and results will be sent to UDOGM.

A diverter will be used to drill the surface hole interval.

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



LEAM Drilling Systems, LLC.
FOR
NEWFIELD EXPLORATION ROCKY MOUNTAINS
WELL: 13-11-2-3-2WH (PLAN: REV00)
SEC. 14, T3S-R2W, DUCHESNE CO., UTAH
RIG NAME: PENDING (KB= 28')
MARCH 19, 2014 -- WELL PLAN PLOT

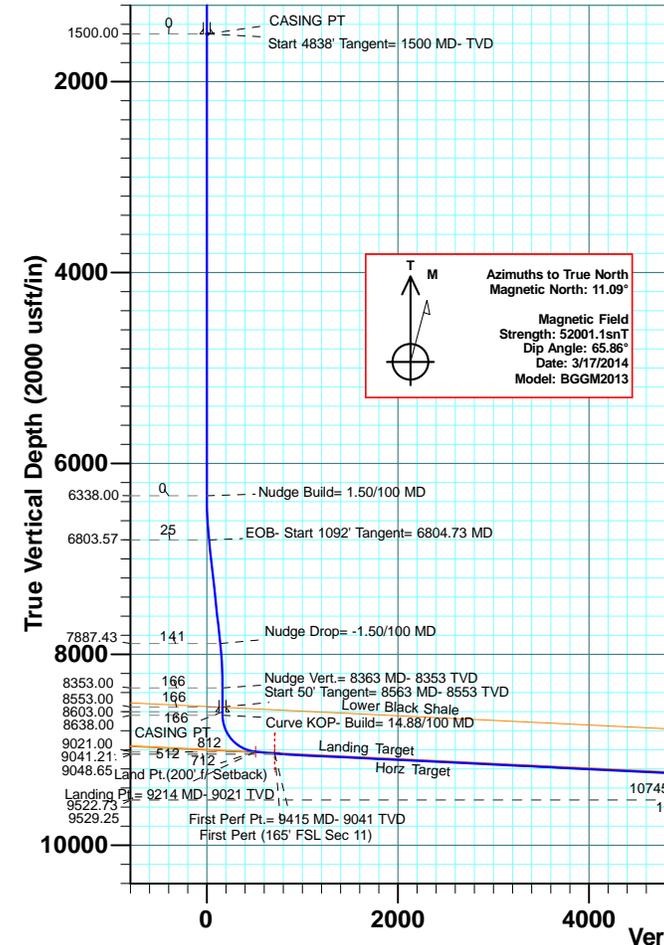
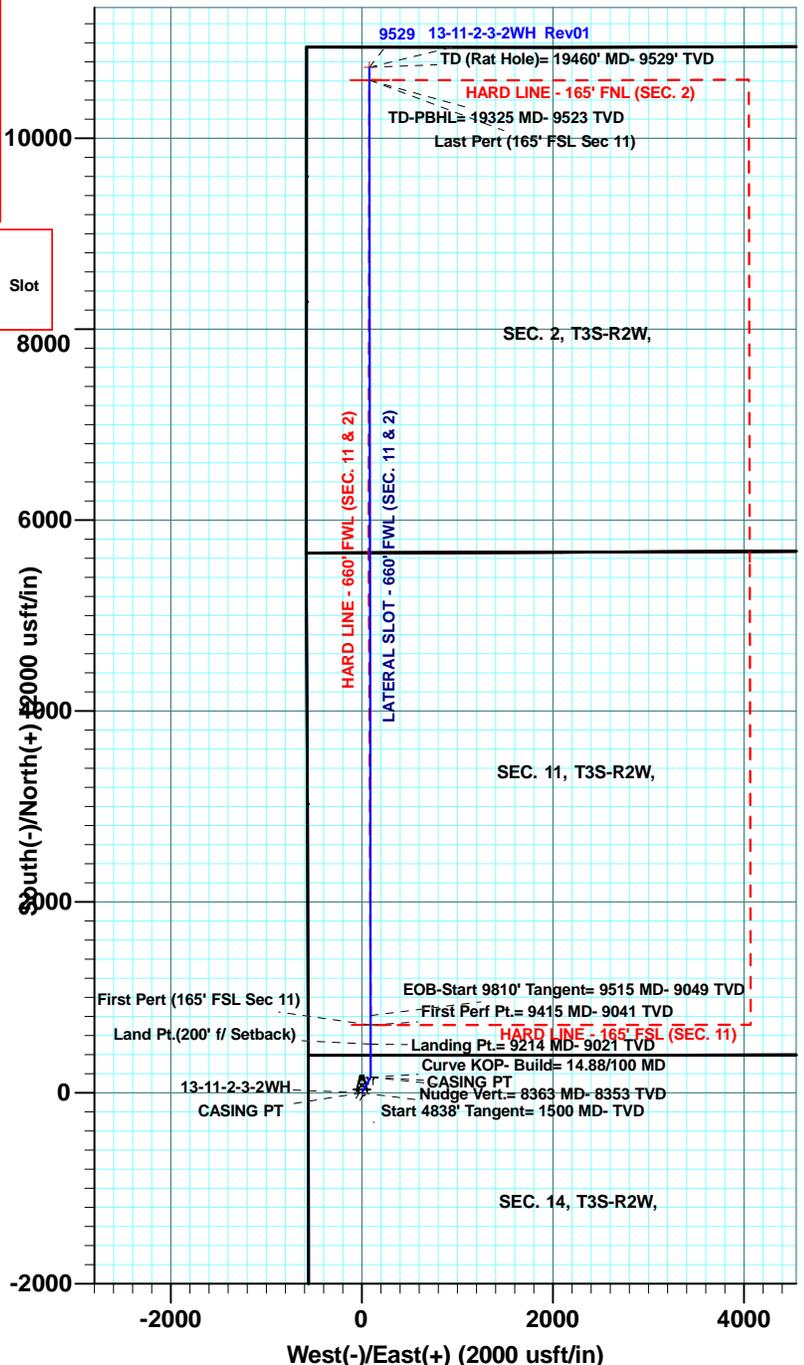
WELL DETAILS: 13-11-2-3-2WH

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7255076.50	2035685.9240	13° 42.510 N	110° 5' 3.290 W	

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



SITE DETAILS: CENTRAL BASIN (NAD 83)
 Site Centre Latitude: 40° 13' 50.461 N
 Longitude: 110° 5' 34.149 W
 Positional Uncertainty: 0.00
 Convergence: 0.90
 Local North: True



Azimuths to True North
 Magnetic North: 11.09°
 Magnetic Field
 Strength: 52001.1nT
 Dip Angle: 65.86°
 Date: 3/17/2014
 Model: BGGM2013

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	
6338.00	0.00	0.00	6338.00	0.00	0.00	0.00	0.00	0.00	
6804.73	7.00	29.30	6803.57	24.84	13.94	1.50	29.30	24.84	
7896.73	7.00	29.30	7887.43	140.91	79.06	0.00	0.00	140.91	
8363.46	0.00	0.00	8353.00	165.75	93.00	1.50	180.00	165.75	
8563.46	0.00	0.00	8553.00	165.75	93.00	0.00	0.00	165.75	
8613.46	0.00	0.00	8603.00	165.75	93.00	0.00	0.00	165.75	
8648.46	0.00	0.00	8638.00	165.75	93.00	0.00	0.00	165.75	
9214.37	84.23	359.92	9021.00	512.00	92.52	14.88	359.92	512.00	
9415.39	84.23	359.92	9041.21	712.00	92.24	0.00	0.00	712.00	
9515.39	87.23	359.92	9048.65	811.71	92.10	3.00	0.00	811.71	
19325.16	87.23	359.92	9522.73	10610.00	78.42	0.00	0.00	10610.00	
19460.16	87.23	359.92	9529.25	10744.84	78.23	0.00	0.00	10744.84	

Plan: 13-11-2-3-2WH Rev01 (13-11-2-3-2WH/13-11-2-3-2WH)
 Created By: LEAM DRILLING SYSTEMS, LLC Date: 10:05, March 19 2014
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____

First Perf (165' FSL Sec 11)
 Last Perf (165' FSL Sec 11)





NEWFIELD EXPLORATION ROCKY MOUNTAINS

DUCHESNE COUNTY, UT (NAD 83)

CENTRAL BASIN (NAD 83)

13-11-2-3-2WH

13-11-2-3-2WH

Plan: 13-11-2-3-2WH Rev01

Standard Planning Report

19 March, 2014





Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-2-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Project	DUCHESNE COUNTY, UT (NAD 83),		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	CENTRAL BASIN (NAD 83)				
Site Position:	Northing:	7,255,843.21 usft	Latitude:	40° 13' 50.461 N	
From:	Map	Easting:	2,033,280.24 usft	Longitude:	110° 5' 34.149 W
Position Uncertainty:	0.00 usft	Slot Radius:	20 "	Grid Convergence:	0.90 °

Well	13-11-2-3-2WH, Sec. 14, T3S-R2W, Duchesne Co Utah					
Well Position	+N/-S	-804.46 usft	Northing:	7,255,076.50 usft	Latitude:	40° 13' 42.510 N
	+E/-W	2,393.32 usft	Easting:	2,035,685.92 usft	Longitude:	110° 5' 3.290 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	5,444.00 usft	Ground Level:	5,416.00 usft	

Wellbore	13-11-2-3-2WH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	3/17/2014	11.09	65.86	52,001

Design	13-11-2-3-2WH Rev01				
Audit Notes:					
Version:	Rev01	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.00	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,338.00	0.00	0.00	6,338.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,804.73	7.00	29.30	6,803.57	24.84	13.94	1.50	1.50	0.00	29.30	
7,896.73	7.00	29.30	7,887.43	140.91	79.06	0.00	0.00	0.00	0.00	
8,363.46	0.00	0.00	8,353.00	165.75	93.00	1.50	-1.50	0.00	180.00	
8,563.46	0.00	0.00	8,553.00	165.75	93.00	0.00	0.00	0.00	0.00	
8,613.46	0.00	0.00	8,603.00	165.75	93.00	0.00	0.00	0.00	0.00	
8,648.46	0.00	0.00	8,638.00	165.75	93.00	0.00	0.00	0.00	0.00	
9,214.38	84.23	359.92	9,021.00	512.00	92.52	14.88	14.88	0.00	359.92	
9,415.39	84.23	359.92	9,041.21	712.00	92.24	0.00	0.00	0.00	0.00	First Pert (165' FSL)
9,515.39	87.23	359.92	9,048.65	811.71	92.10	3.00	3.00	0.00	0.00	
19,325.16	87.23	359.92	9,522.73	10,610.00	78.42	0.00	0.00	0.00	0.00	Last Pert (165' FSL)
19,460.16	87.23	359.92	9,529.25	10,744.84	78.23	0.00	0.00	0.00	0.00	



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-2-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SEC. 14, T3S-R2W,										
62.00	0.00	0.00	62.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sec. 11, T3S-R2W, - Sec. 2, T3S-R2W,										
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	
Start 4838' Tangent= 1500 MD- TVD - CASING PT										
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	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,900.00	0.00	0.00	2,900.00	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	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,900.00	0.00	0.00	3,900.00	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	



Planning Report



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Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,800.00	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	
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	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,338.00	0.00	0.00	6,338.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nudge Build= 1.50/100 MD										
6,400.00	0.93	29.30	6,400.00	0.44	0.25	0.44	1.50	1.50	0.00	
6,500.00	2.43	29.30	6,499.95	3.00	1.68	3.00	1.50	1.50	0.00	
6,600.00	3.93	29.30	6,599.79	7.83	4.40	7.83	1.50	1.50	0.00	
6,700.00	5.43	29.30	6,699.46	14.95	8.39	14.95	1.50	1.50	0.00	
6,804.73	7.00	29.30	6,803.57	24.84	13.94	24.84	1.50	1.50	0.00	
EOB- Start 1092' Tangent= 6804.73 MD										
6,900.00	7.00	29.30	6,898.13	34.96	19.62	34.96	0.00	0.00	0.00	
7,000.00	7.00	29.30	6,997.38	45.59	25.58	45.59	0.00	0.00	0.00	
7,100.00	7.00	29.30	7,096.64	56.22	31.55	56.22	0.00	0.00	0.00	
7,200.00	7.00	29.30	7,195.89	66.85	37.51	66.85	0.00	0.00	0.00	
7,300.00	7.00	29.30	7,295.15	77.48	43.47	77.48	0.00	0.00	0.00	
7,400.00	7.00	29.30	7,394.40	88.11	49.44	88.11	0.00	0.00	0.00	
7,500.00	7.00	29.30	7,493.66	98.74	55.40	98.74	0.00	0.00	0.00	
7,600.00	7.00	29.30	7,592.91	109.37	61.37	109.37	0.00	0.00	0.00	
7,700.00	7.00	29.30	7,692.16	120.00	67.33	120.00	0.00	0.00	0.00	
7,800.00	7.00	29.30	7,791.42	130.63	73.30	130.63	0.00	0.00	0.00	
7,896.73	7.00	29.30	7,887.43	140.91	79.06	140.91	0.00	0.00	0.00	
Nudge Drop= -1.50/100 MD										
7,900.00	6.95	29.30	7,890.67	141.26	79.26	141.26	1.50	-1.50	0.00	
8,000.00	5.45	29.30	7,990.09	150.68	84.54	150.68	1.50	-1.50	0.00	
8,100.00	3.95	29.30	8,089.75	157.83	88.56	157.83	1.50	-1.50	0.00	
8,200.00	2.45	29.30	8,189.59	162.70	91.29	162.70	1.50	-1.50	0.00	
8,300.00	0.95	29.30	8,289.54	165.29	92.74	165.29	1.50	-1.50	0.00	
8,363.46	0.00	0.00	8,353.00	165.75	93.00	165.75	1.50	-1.50	0.00	
Nudge Vert.= 8363 MD- 8353 TVD										
8,400.00	0.00	0.00	8,389.54	165.75	93.00	165.75	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,489.54	165.75	93.00	165.75	0.00	0.00	0.00	
8,563.46	0.00	0.00	8,553.00	165.75	93.00	165.75	0.00	0.00	0.00	
Start 50' Tangent= 8563 MD- 8553 TVD										
8,566.48	0.00	0.00	8,556.02	165.75	93.00	165.75	0.00	0.00	0.00	
Lower Black Shale										
8,600.00	0.00	0.00	8,589.54	165.75	93.00	165.75	0.00	0.00	0.00	
8,613.46	0.00	0.00	8,603.00	165.75	93.00	165.75	0.00	0.00	0.00	



Planning Report



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Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
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Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Start 35' Tangent= 8613 MD- 8603 TVD - CASING PT									
8,648.46	0.00	0.00	8,638.00	165.75	93.00	165.75	0.00	0.00	0.00
Curve KOP- Build= 14.88/100 MD									
8,650.00	0.23	359.92	8,639.54	165.75	93.00	165.75	14.88	14.88	0.00
8,675.00	3.95	359.92	8,664.52	166.66	93.00	166.66	14.88	14.88	0.00
8,700.00	7.67	359.92	8,689.38	169.19	93.00	169.19	14.88	14.88	0.00
8,725.00	11.39	359.92	8,714.03	173.33	92.99	173.33	14.88	14.88	0.00
8,750.00	15.11	359.92	8,738.36	179.06	92.98	179.06	14.88	14.88	0.00
8,775.00	18.83	359.92	8,762.27	186.36	92.97	186.36	14.88	14.88	0.00
8,800.00	22.55	359.92	8,785.65	195.19	92.96	195.19	14.88	14.88	0.00
8,825.00	26.28	359.92	8,808.41	205.53	92.94	205.53	14.88	14.88	0.00
8,850.00	30.00	359.92	8,830.46	217.31	92.93	217.31	14.88	14.88	0.00
8,875.00	33.72	359.92	8,851.69	230.51	92.91	230.51	14.88	14.88	0.00
8,900.00	37.44	359.92	8,872.02	245.05	92.89	245.05	14.88	14.88	0.00
8,925.00	41.16	359.92	8,891.36	260.88	92.87	260.88	14.88	14.88	0.00
8,950.00	44.88	359.92	8,909.63	277.93	92.84	277.93	14.88	14.88	0.00
8,975.00	48.60	359.92	8,926.76	296.14	92.82	296.14	14.88	14.88	0.00
9,000.00	52.32	359.92	8,942.67	315.41	92.79	315.41	14.88	14.88	0.00
9,025.00	56.04	359.92	8,957.30	335.68	92.76	335.68	14.88	14.88	0.00
9,050.00	59.76	359.92	8,970.58	356.86	92.73	356.86	14.88	14.88	0.00
9,075.00	63.49	359.92	8,982.46	378.85	92.70	378.85	14.88	14.88	0.00
9,100.00	67.21	359.92	8,992.89	401.57	92.67	401.57	14.88	14.88	0.00
9,125.00	70.93	359.92	9,001.82	424.91	92.64	424.91	14.88	14.88	0.00
9,150.00	74.65	359.92	9,009.22	448.79	92.60	448.79	14.88	14.88	0.00
9,175.00	78.37	359.92	9,015.05	473.09	92.57	473.09	14.88	14.88	0.00
9,200.00	82.09	359.92	9,019.29	497.73	92.54	497.73	14.88	14.88	0.00
9,210.42	83.64	359.92	9,020.58	508.06	92.52	508.06	14.88	14.88	0.00
Landing Target									
9,214.37	84.23	359.92	9,021.00	512.00	92.52	512.00	14.88	14.88	0.00
Landing Pt.= 9214 MD- 9021 TVD - Land Pt.(200' f/ Setback)									
9,300.00	84.23	359.92	9,029.61	597.19	92.40	597.19	0.00	0.00	0.00
9,400.00	84.23	359.92	9,039.66	696.68	92.26	696.68	0.00	0.00	0.00
9,400.88	84.23	359.92	9,039.75	697.56	92.26	697.56	0.00	0.00	0.00
Horz Target									
9,414.06	84.23	359.92	9,041.08	710.68	92.24	710.68	0.00	0.00	0.00
First Pert (165' FSL Sec 11)									
9,415.39	84.23	359.92	9,041.21	712.00	92.24	712.00	0.00	0.00	0.00
First Perf Pt.= 9415 MD- 9041 TVD									
9,500.00	86.77	359.92	9,047.85	796.34	92.12	796.34	3.00	3.00	0.00
9,515.39	87.23	359.92	9,048.65	811.71	92.10	811.71	3.00	3.00	0.00
EOB-Start 9810' Tangent= 9515 MD- 9049 TVD									
9,600.00	87.23	359.92	9,052.74	896.22	91.98	896.22	0.00	0.00	0.00
9,700.00	87.23	359.92	9,057.58	996.10	91.84	996.10	0.00	0.00	0.00
9,800.00	87.23	359.92	9,062.41	1,095.98	91.70	1,095.98	0.00	0.00	0.00
9,900.00	87.23	359.92	9,067.24	1,195.87	91.56	1,195.87	0.00	0.00	0.00
10,000.00	87.23	359.92	9,072.07	1,295.75	91.42	1,295.75	0.00	0.00	0.00
10,100.00	87.23	359.92	9,076.91	1,395.63	91.28	1,395.63	0.00	0.00	0.00
10,200.00	87.23	359.92	9,081.74	1,495.52	91.14	1,495.52	0.00	0.00	0.00
10,300.00	87.23	359.92	9,086.57	1,595.40	91.00	1,595.40	0.00	0.00	0.00
10,400.00	87.23	359.92	9,091.40	1,695.28	90.86	1,695.28	0.00	0.00	0.00
10,500.00	87.23	359.92	9,096.24	1,795.16	90.72	1,795.16	0.00	0.00	0.00



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-2-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,600.00	87.23	359.92	9,101.07	1,895.05	90.59	1,895.05	0.00	0.00	0.00
10,700.00	87.23	359.92	9,105.90	1,994.93	90.45	1,994.93	0.00	0.00	0.00
10,800.00	87.23	359.92	9,110.74	2,094.81	90.31	2,094.81	0.00	0.00	0.00
10,900.00	87.23	359.92	9,115.57	2,194.70	90.17	2,194.70	0.00	0.00	0.00
11,000.00	87.23	359.92	9,120.40	2,294.58	90.03	2,294.58	0.00	0.00	0.00
11,100.00	87.23	359.92	9,125.23	2,394.46	89.89	2,394.46	0.00	0.00	0.00
11,200.00	87.23	359.92	9,130.07	2,494.35	89.75	2,494.35	0.00	0.00	0.00
11,300.00	87.23	359.92	9,134.90	2,594.23	89.61	2,594.23	0.00	0.00	0.00
11,400.00	87.23	359.92	9,139.73	2,694.11	89.47	2,694.11	0.00	0.00	0.00
11,500.00	87.23	359.92	9,144.56	2,794.00	89.33	2,794.00	0.00	0.00	0.00
11,600.00	87.23	359.92	9,149.40	2,893.88	89.19	2,893.88	0.00	0.00	0.00
11,700.00	87.23	359.92	9,154.23	2,993.76	89.05	2,993.76	0.00	0.00	0.00
11,800.00	87.23	359.92	9,159.06	3,093.64	88.91	3,093.64	0.00	0.00	0.00
11,900.00	87.23	359.92	9,163.89	3,193.53	88.77	3,193.53	0.00	0.00	0.00
12,000.00	87.23	359.92	9,168.73	3,293.41	88.63	3,293.41	0.00	0.00	0.00
12,100.00	87.23	359.92	9,173.56	3,393.29	88.49	3,393.29	0.00	0.00	0.00
12,200.00	87.23	359.92	9,178.39	3,493.18	88.35	3,493.18	0.00	0.00	0.00
12,300.00	87.23	359.92	9,183.23	3,593.06	88.21	3,593.06	0.00	0.00	0.00
12,400.00	87.23	359.92	9,188.06	3,692.94	88.08	3,692.94	0.00	0.00	0.00
12,500.00	87.23	359.92	9,192.89	3,792.83	87.94	3,792.83	0.00	0.00	0.00
12,600.00	87.23	359.92	9,197.72	3,892.71	87.80	3,892.71	0.00	0.00	0.00
12,700.00	87.23	359.92	9,202.56	3,992.59	87.66	3,992.59	0.00	0.00	0.00
12,800.00	87.23	359.92	9,207.39	4,092.48	87.52	4,092.48	0.00	0.00	0.00
12,900.00	87.23	359.92	9,212.22	4,192.36	87.38	4,192.36	0.00	0.00	0.00
13,000.00	87.23	359.92	9,217.05	4,292.24	87.24	4,292.24	0.00	0.00	0.00
13,100.00	87.23	359.92	9,221.89	4,392.12	87.10	4,392.12	0.00	0.00	0.00
13,200.00	87.23	359.92	9,226.72	4,492.01	86.96	4,492.01	0.00	0.00	0.00
13,300.00	87.23	359.92	9,231.55	4,591.89	86.82	4,591.89	0.00	0.00	0.00
13,400.00	87.23	359.92	9,236.39	4,691.77	86.68	4,691.77	0.00	0.00	0.00
13,500.00	87.23	359.92	9,241.22	4,791.66	86.54	4,791.66	0.00	0.00	0.00
13,600.00	87.23	359.92	9,246.05	4,891.54	86.40	4,891.54	0.00	0.00	0.00
13,700.00	87.23	359.92	9,250.88	4,991.42	86.26	4,991.42	0.00	0.00	0.00
13,800.00	87.23	359.92	9,255.72	5,091.31	86.12	5,091.31	0.00	0.00	0.00
13,900.00	87.23	359.92	9,260.55	5,191.19	85.98	5,191.19	0.00	0.00	0.00
14,000.00	87.23	359.92	9,265.38	5,291.07	85.84	5,291.07	0.00	0.00	0.00
14,100.00	87.23	359.92	9,270.21	5,390.96	85.70	5,390.96	0.00	0.00	0.00
14,200.00	87.23	359.92	9,275.05	5,490.84	85.56	5,490.84	0.00	0.00	0.00
14,300.00	87.23	359.92	9,279.88	5,590.72	85.43	5,590.72	0.00	0.00	0.00
14,400.00	87.23	359.92	9,284.71	5,690.60	85.29	5,690.60	0.00	0.00	0.00
14,500.00	87.23	359.92	9,289.54	5,790.49	85.15	5,790.49	0.00	0.00	0.00
14,600.00	87.23	359.92	9,294.38	5,890.37	85.01	5,890.37	0.00	0.00	0.00
14,700.00	87.23	359.92	9,299.21	5,990.25	84.87	5,990.25	0.00	0.00	0.00
14,800.00	87.23	359.92	9,304.04	6,090.14	84.73	6,090.14	0.00	0.00	0.00
14,900.00	87.23	359.92	9,308.88	6,190.02	84.59	6,190.02	0.00	0.00	0.00
15,000.00	87.23	359.92	9,313.71	6,289.90	84.45	6,289.90	0.00	0.00	0.00
15,100.00	87.23	359.92	9,318.54	6,389.79	84.31	6,389.79	0.00	0.00	0.00
15,200.00	87.23	359.92	9,323.37	6,489.67	84.17	6,489.67	0.00	0.00	0.00
15,300.00	87.23	359.92	9,328.21	6,589.55	84.03	6,589.55	0.00	0.00	0.00
15,400.00	87.23	359.92	9,333.04	6,689.44	83.89	6,689.44	0.00	0.00	0.00
15,500.00	87.23	359.92	9,337.87	6,789.32	83.75	6,789.32	0.00	0.00	0.00
15,600.00	87.23	359.92	9,342.70	6,889.20	83.61	6,889.20	0.00	0.00	0.00
15,700.00	87.23	359.92	9,347.54	6,989.08	83.47	6,989.08	0.00	0.00	0.00



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-2-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,800.00	87.23	359.92	9,352.37	7,088.97	83.33	7,088.97	0.00	0.00	0.00
15,900.00	87.23	359.92	9,357.20	7,188.85	83.19	7,188.85	0.00	0.00	0.00
16,000.00	87.23	359.92	9,362.03	7,288.73	83.05	7,288.73	0.00	0.00	0.00
16,100.00	87.23	359.92	9,366.87	7,388.62	82.91	7,388.62	0.00	0.00	0.00
16,200.00	87.23	359.92	9,371.70	7,488.50	82.78	7,488.50	0.00	0.00	0.00
16,300.00	87.23	359.92	9,376.53	7,588.38	82.64	7,588.38	0.00	0.00	0.00
16,400.00	87.23	359.92	9,381.37	7,688.27	82.50	7,688.27	0.00	0.00	0.00
16,500.00	87.23	359.92	9,386.20	7,788.15	82.36	7,788.15	0.00	0.00	0.00
16,600.00	87.23	359.92	9,391.03	7,888.03	82.22	7,888.03	0.00	0.00	0.00
16,700.00	87.23	359.92	9,395.86	7,987.91	82.08	7,987.91	0.00	0.00	0.00
16,800.00	87.23	359.92	9,400.70	8,087.80	81.94	8,087.80	0.00	0.00	0.00
16,900.00	87.23	359.92	9,405.53	8,187.68	81.80	8,187.68	0.00	0.00	0.00
17,000.00	87.23	359.92	9,410.36	8,287.56	81.66	8,287.56	0.00	0.00	0.00
17,100.00	87.23	359.92	9,415.19	8,387.45	81.52	8,387.45	0.00	0.00	0.00
17,200.00	87.23	359.92	9,420.03	8,487.33	81.38	8,487.33	0.00	0.00	0.00
17,300.00	87.23	359.92	9,424.86	8,587.21	81.24	8,587.21	0.00	0.00	0.00
17,400.00	87.23	359.92	9,429.69	8,687.10	81.10	8,687.10	0.00	0.00	0.00
17,500.00	87.23	359.92	9,434.52	8,786.98	80.96	8,786.98	0.00	0.00	0.00
17,600.00	87.23	359.92	9,439.36	8,886.86	80.82	8,886.86	0.00	0.00	0.00
17,700.00	87.23	359.92	9,444.19	8,986.75	80.68	8,986.75	0.00	0.00	0.00
17,800.00	87.23	359.92	9,449.02	9,086.63	80.54	9,086.63	0.00	0.00	0.00
17,900.00	87.23	359.92	9,453.86	9,186.51	80.40	9,186.51	0.00	0.00	0.00
18,000.00	87.23	359.92	9,458.69	9,286.39	80.27	9,286.39	0.00	0.00	0.00
18,100.00	87.23	359.92	9,463.52	9,386.28	80.13	9,386.28	0.00	0.00	0.00
18,200.00	87.23	359.92	9,468.35	9,486.16	79.99	9,486.16	0.00	0.00	0.00
18,300.00	87.23	359.92	9,473.19	9,586.04	79.85	9,586.04	0.00	0.00	0.00
18,400.00	87.23	359.92	9,478.02	9,685.93	79.71	9,685.93	0.00	0.00	0.00
18,500.00	87.23	359.92	9,482.85	9,785.81	79.57	9,785.81	0.00	0.00	0.00
18,600.00	87.23	359.92	9,487.68	9,885.69	79.43	9,885.69	0.00	0.00	0.00
18,700.00	87.23	359.92	9,492.52	9,985.58	79.29	9,985.58	0.00	0.00	0.00
18,800.00	87.23	359.92	9,497.35	10,085.46	79.15	10,085.46	0.00	0.00	0.00
18,900.00	87.23	359.92	9,502.18	10,185.34	79.01	10,185.34	0.00	0.00	0.00
19,000.00	87.23	359.92	9,507.02	10,285.23	78.87	10,285.23	0.00	0.00	0.00
19,100.00	87.23	359.92	9,511.85	10,385.11	78.73	10,385.11	0.00	0.00	0.00
19,200.00	87.23	359.92	9,516.68	10,484.99	78.59	10,484.99	0.00	0.00	0.00
19,300.00	87.23	359.92	9,521.51	10,584.87	78.45	10,584.87	0.00	0.00	0.00
19,325.07	87.23	359.92	9,522.72	10,609.91	78.42	10,609.91	0.00	0.00	0.00
Last Pert (165' FSL Sec 11)									
19,325.16	87.23	359.92	9,522.73	10,610.00	78.42	10,610.00	0.00	0.00	0.00
TD-PBHL= 19325 MD- 9523 TVD									
19,400.00	87.23	359.92	9,526.35	10,684.76	78.31	10,684.76	0.00	0.00	0.00
19,460.15	87.23	359.92	9,529.25	10,744.84	78.23	10,744.84	0.00	0.00	0.00
TD (Rat Hole)= 19460' MD- 9529' TVD - T.D.(Rat Hole)									



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-2-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SEC. 14, T3S-R2W, - plan misses target center by 4753.12usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Polygon	0.00	0.00	0.00	399.13	4,736.33	7,255,550.55	2,040,415.34	40° 13' 46.450 N	110° 4' 2.220 W
Point 1			0.00	0.00	0.00	7,255,550.55	2,040,415.34		
Point 2			0.00	-5,310.27	10.32	7,250,241.11	2,040,509.71		
Point 3			0.00	-5,307.60	-2,608.52	7,250,202.33	2,037,891.15		
Point 4			0.00	-5,304.65	-5,226.59	7,250,163.84	2,035,273.37		
Point 5			0.00	-2,632.31	-5,292.47	7,252,834.80	2,035,165.20		
Point 6			0.00	-4.49	-5,297.84	7,255,462.21	2,035,118.23		
Point 7			0.00	-1.24	-1,340.94	7,255,528.09	2,039,074.58		
Point 8			0.00	0.00	0.00	7,255,550.55	2,040,415.34		
Sec. 11, T3S-R2W, - plan misses target center by 7385.20usft at 62.00usft MD (62.00 TVD, 0.00 N, 0.00 E) - Polygon	0.00	0.00	62.00	5,675.02	4,726.02	7,260,825.61	2,040,321.53	40° 14' 38.590 N	110° 4' 2.340 W
Point 1			62.00	0.00	0.00	7,260,825.61	2,040,321.53		
Point 2			62.00	-5,275.88	10.31	7,255,550.55	2,040,415.34		
Point 3			62.00	-5,277.12	-1,330.63	7,255,528.09	2,039,074.59		
Point 4			62.00	-5,280.37	-5,287.53	7,255,462.21	2,035,118.24		
Point 5			62.00	-2,648.51	-5,296.00	7,258,093.61	2,035,068.11		
Point 6			62.00	-18.65	-5,309.12	7,260,722.93	2,035,013.37		
Point 7			62.00	-10.48	-2,647.97	7,260,773.22	2,037,674.06		
Point 8			62.00	0.00	0.00	7,260,825.61	2,040,321.53		
Sec. 2, T3S-R2W, - plan misses target center by 7385.20usft at 62.00usft MD (62.00 TVD, 0.00 N, 0.00 E) - Polygon	0.00	0.00	62.00	5,675.02	4,726.02	7,260,825.61	2,040,321.53	40° 14' 38.590 N	110° 4' 2.340 W
Point 1			62.00	0.00	0.00	7,260,825.61	2,040,321.53		
Point 2			62.00	-10.48	-2,647.97	7,260,773.22	2,037,674.06		
Point 3			62.00	-18.65	-5,309.12	7,260,722.93	2,035,013.37		
Point 4			62.00	2,613.23	-5,305.96	7,263,354.53	2,034,974.87		
Point 5			62.00	3,925.63	-5,304.38	7,264,666.79	2,034,955.68		
Point 6			62.00	5,282.55	-5,302.79	7,266,023.57	2,034,935.79		
Point 7			62.00	5,277.58	-2,658.48	7,266,060.45	2,037,579.85		
Point 8			62.00	5,286.03	-19.61	7,266,110.67	2,040,218.26		
Point 9			62.00	0.00	0.00	7,260,825.61	2,040,321.53		
Land Pt.(200' f/ Setba - plan misses target center by 1.48usft at 9214.37usft MD (9021.00 TVD, 512.00 N, 92.52 E) - Point	0.00	0.00	9,021.00	512.00	94.00	7,255,589.93	2,035,771.80	40° 13' 47.570 N	110° 5' 2.078 W
First Pert (165' FSL S; - plan misses target center by 13.26usft at 9414.06usft MD (9041.08 TVD, 710.68 N, 92.24 E) - Rectangle (sides W400.00 H0.00 D400.00)	0.00	0.00	9,028.00	712.00	94.00	7,255,789.90	2,035,768.63	40° 13' 49.546 N	110° 5' 2.078 W
Last Pert (165' FSL S; - plan misses target center by 3.11usft at 19325.07usft MD (9522.72 TVD, 10609.91 N, 78.42 E) - Rectangle (sides W400.00 H0.00 D400.00)	0.00	0.00	9,521.00	10,610.00	81.00	7,265,686.46	2,035,598.97	40° 15' 27.365 N	110° 5' 2.245 W
T.D.(Rat Hole) - plan hits target center - Point	0.00	0.00	9,529.25	10,744.84	78.23	7,265,821.23	2,035,594.07	40° 15' 28.698 N	110° 5' 2.281 W



Planning Report



Database:	EDM 5000.1 Lynn Db	Local Co-ordinate Reference:	Well 13-11-2-3-2WH
Company:	NEWFIELD EXPLORATION ROCKY MOUNTAINS	TVD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Project:	DUCHESNE COUNTY, UT (NAD 83)	MD Reference:	WELL(5416'+28'= 5444' MSL) @ 5444.00usft (RIG (KB= 28'))
Site:	CENTRAL BASIN (NAD 83)	North Reference:	True
Well:	13-11-2-3-2WH	Survey Calculation Method:	Minimum Curvature
Wellbore:	13-11-2-3-2WH		
Design:	13-11-2-3-2WH Rev01		

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,500.00	1,500.00	CASING PT	0	0
8,613.46	8,603.00	CASING PT	0	0

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
8,566.48	8,556.02	Lower Black Shale		2.77	0.00
9,210.42	9,020.58	Landing Target		2.77	0.00
9,400.88	9,039.75	Horz Target		2.77	0.00

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	Start 4838' Tangent= 1500 MD- TVD
6,338.00	6,338.00	0.00	0.00	Nudge Build= 1.50/100 MD
6,804.73	6,803.57	24.84	13.94	EOB- Start 1092' Tangent= 6804.73 MD
7,896.73	7,887.43	140.91	79.06	Nudge Drop= -1.50/100 MD
8,363.46	8,353.00	165.75	93.00	Nudge Vert.= 8363 MD- 8353 TVD
8,563.46	8,553.00	165.75	93.00	Start 50' Tangent= 8563 MD- 8553 TVD
8,613.46	8,603.00	165.75	93.00	Start 35' Tangent= 8613 MD- 8603 TVD
8,648.46	8,638.00	165.75	93.00	Curve KOP- Build= 14.88/100 MD
9,214.38	9,021.00	512.00	92.52	Landing Pt.= 9214 MD- 9021 TVD
9,415.39	9,041.21	712.00	92.24	First Perf Pt.= 9415 MD- 9041 TVD
9,515.39	9,048.65	811.71	92.10	EOB-Start 9810' Tangent= 9515 MD- 9049 TVD
19,325.16	9,522.73	10,610.00	78.42	TD-PBHL= 19325 MD- 9523 TVD
19,460.16	9,529.25	10,744.84	78.23	TD (Rat Hole)= 19460' MD- 9529' TVD

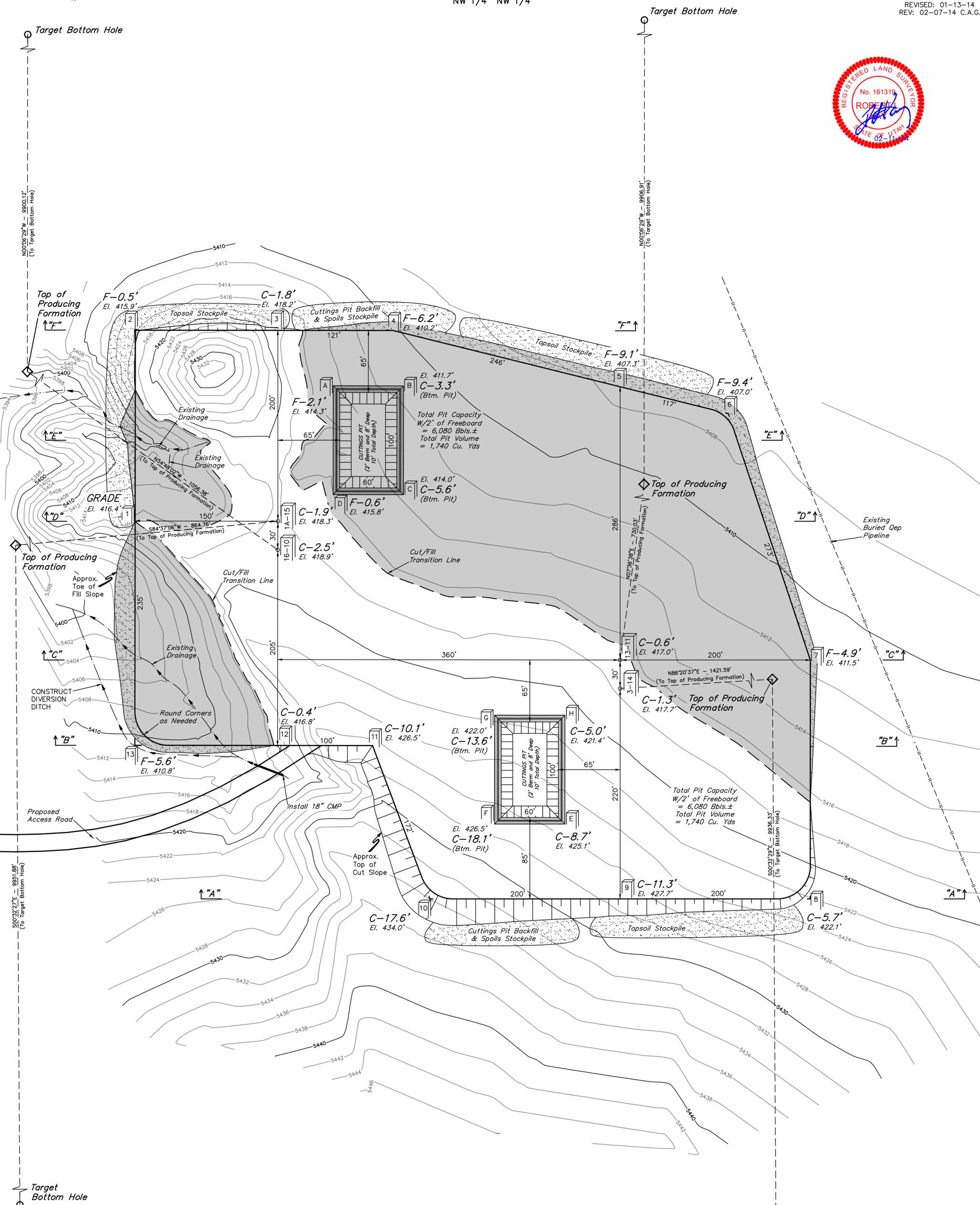
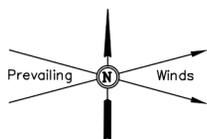
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-2-3-2WH & #3-14-23-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

FIGURE #1

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13
REVISED: 06-26-13
REVISED: 11-05-13
REVISED: 01-13-14
REV: 02-07-14 C.A.G.



Elev. Ungraded Ground At #1A-15-22-3-2WH Loc. Stake = 5418.3'
FINISHED GRADE ELEV. AT #1A-15-22-3-2WH LOC. STAKE = 5416.4'

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85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

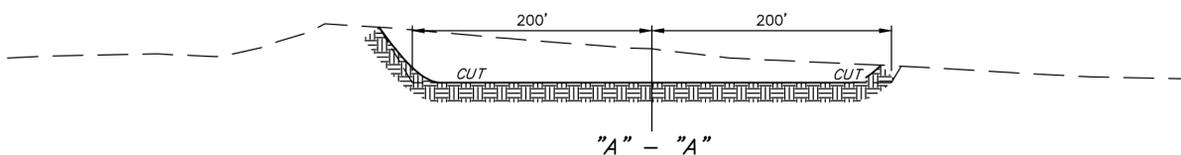
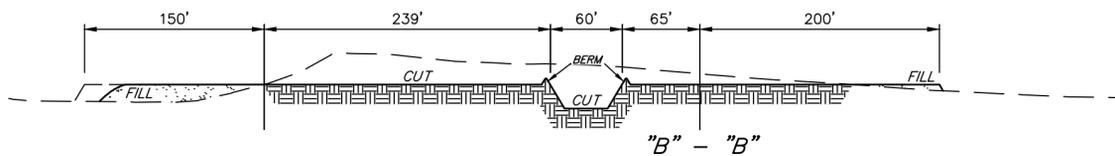
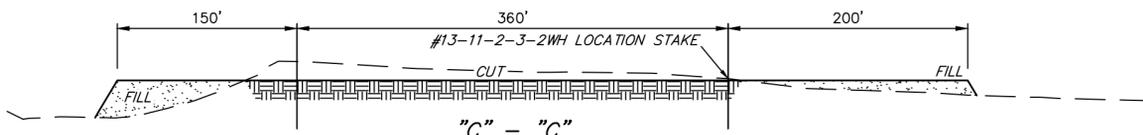
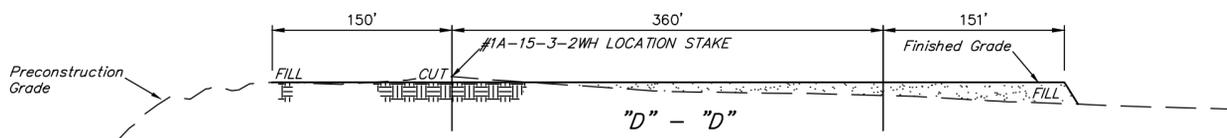
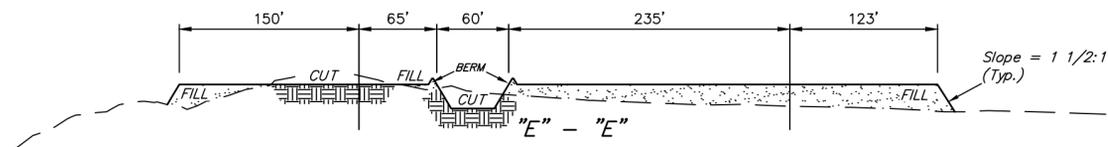
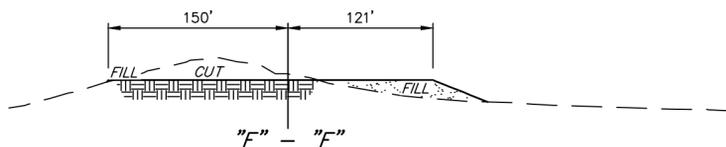
NEWFIELD EXPLORATION COMPANY

TYPICAL CROSS SECTIONS FOR

#4-14-3-2 WELL PAD FOR
 #16-10-3-3-2WH, #1A-15-22-3-2WH,
 #13-11-2-3-2WH & #3-14-23-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4

X-Section
 Scale
 1" = 40'
 1" = 100'

DATE: 05-02-13
 DRAWN BY: S.F.
 REVISED: 06-03-13
 REVISED: 06-26-13
 REVISED: 11-05-13
 REVISED: 01-13-14
 REV: 02-07-14 C.A.G.



NOTE:
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 6,900 Cu. Yds.
Remaining Location	= 34,870 Cu. Yds.
TOTAL CUT	= 41,770 CU. YDS.
FILL	= 33,130 CU. YDS.

EXCESS MATERIAL	= 8,640 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 8,640 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

APPROXIMATE ACREAGE

WELL SITE DISTURBANCE	= ± 10.751 ACRES
ACCESS ROAD DISTURBANCE	= ± 1.796 ACRES
PIPELINE DISTURBANCE	= ± 0.111 ACRES
TOTAL	= ± 12.658 ACRES

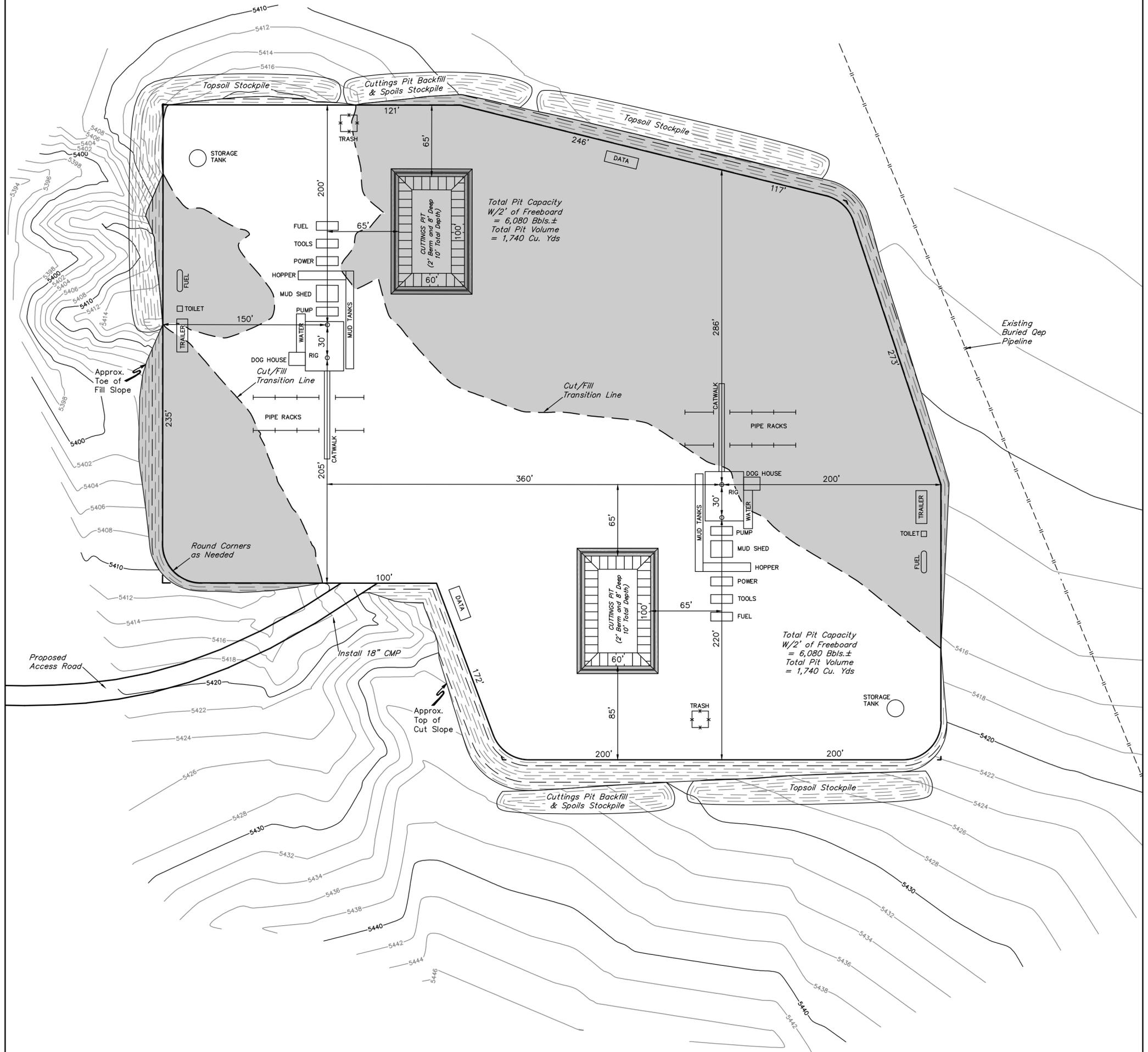
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT FOR

#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-2-3-2WH & #3-14-23-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

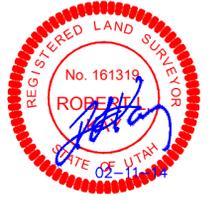
FIGURE #3

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-26-13
REVISED: 11-05-13
REVISED: 01-13-14
REV: 02-07-14 C.A.G.



NEWFIELD EXPLORATION COMPANY
PRODUCTION FACILITY LAYOUT FOR
#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-2-3-2WH & #3-14-23-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 05-02-13
DRAWN BY: S.F.
REVISED: 06-03-13
REVISED: 06-26-13
REVISED: 11-05-13
REVISED: 01-13-14
REV: 02-07-14 C.A.G.

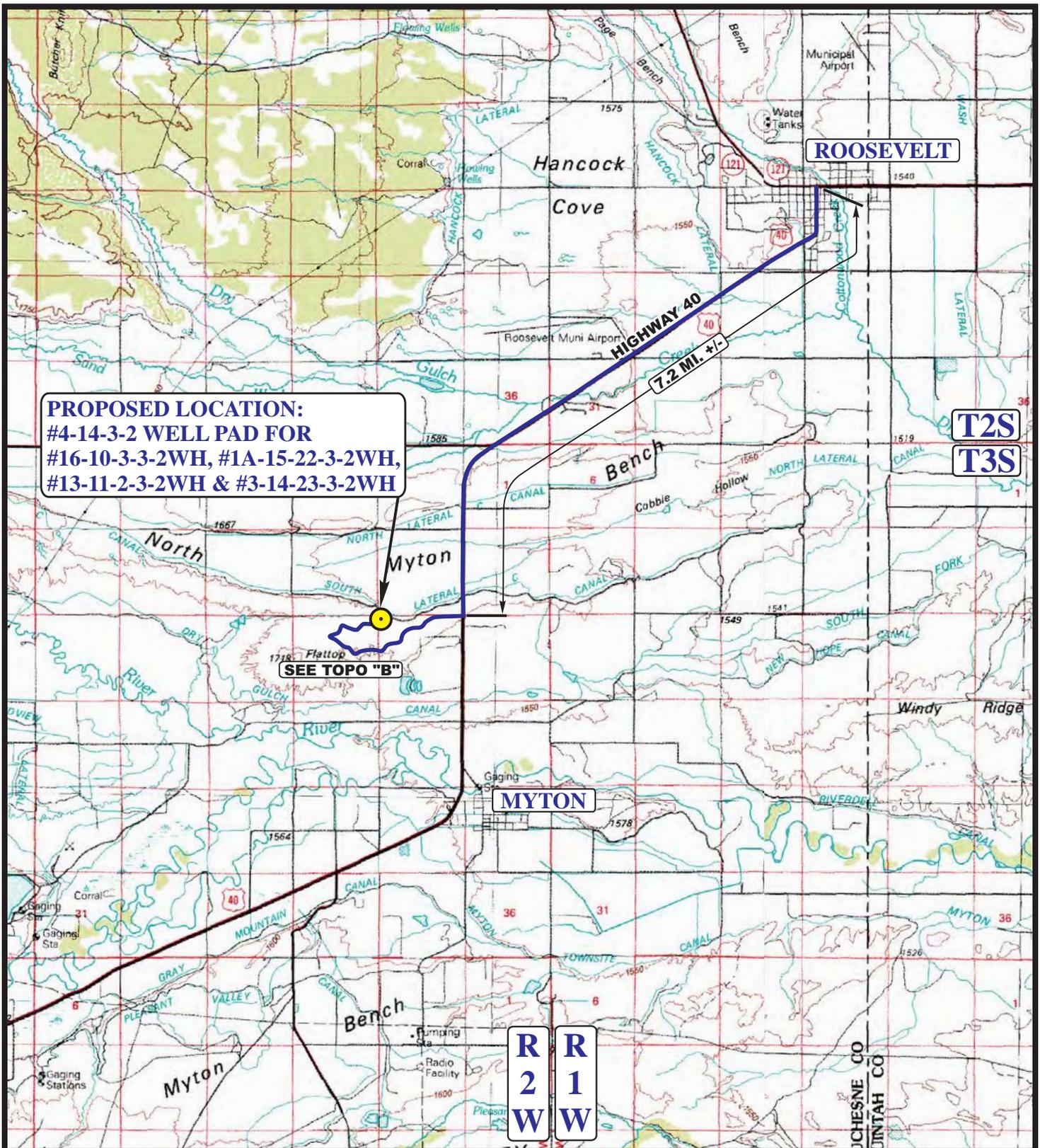


RECLAIMED AREA

APPROXIMATE ACREAGE
UN-RECLAIMED = ± 2.855 ACRES

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

RECEIVED: Aug. 19, 2014



LEGEND:

PROPOSED LOCATION

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #16-10-3-3-2WH,
#1A-15-22-3-2WH, #13-11-2-3-2WH & #3-14-23-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

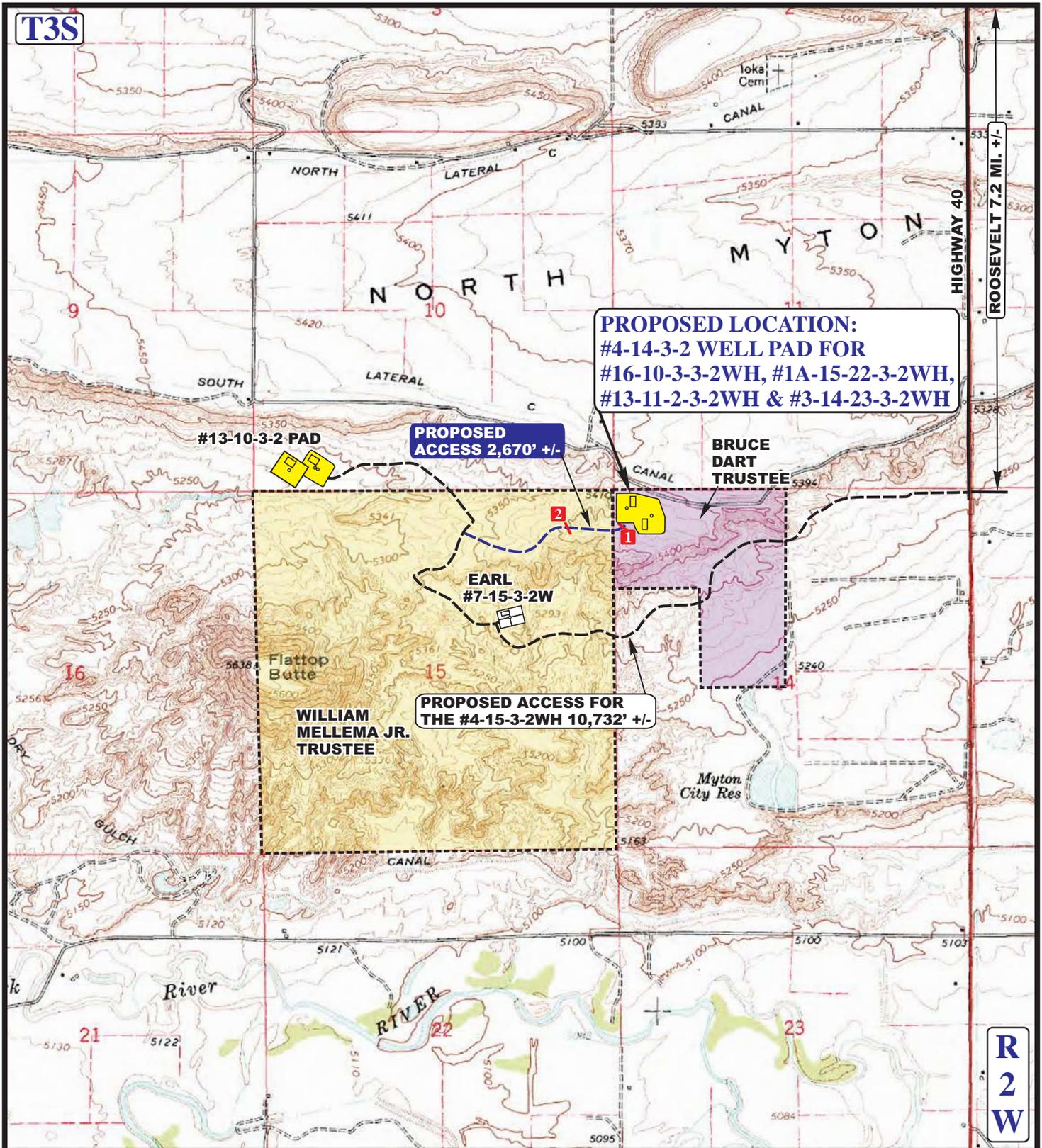


**ACCESS ROAD
MAP**

11 20 12
MONTH DAY YEAR



SCALE: 1:100,000 DRAWN BY: C.I. REV: 02-12-14 L.S.



**PROPOSED LOCATION:
#4-14-3-2 WELL PAD FOR
#16-10-3-3-2WH, #1A-15-22-3-2WH,
#13-11-2-3-2WH & #3-14-23-3-2WH**

**PROPOSED
ACCESS 2,670' +/-**

**PROPOSED ACCESS FOR
THE #4-15-3-2WH 10,732' +/-**

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 1** 18" CMP REQUIRED **2** 24" CMP REQUIRED

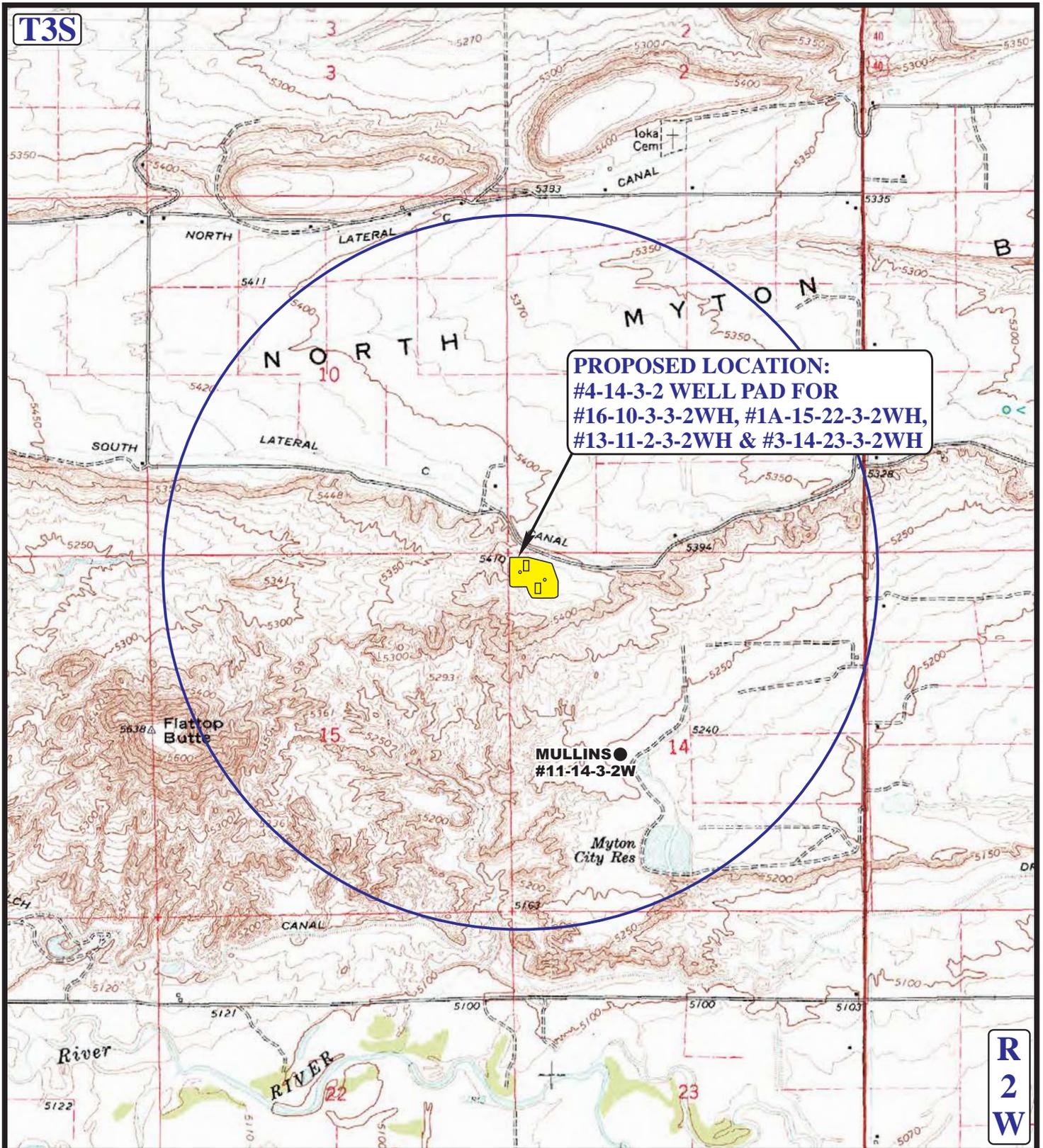
NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #16-10-3-3-2WH,
#1A-15-22-3-2WH, #13-11-2-3-2WH & #3-14-23-3-2WH
SECTION 14, T3S, R2W, U.S.B.&M.
NW 1/4 NW 1/4

U&L S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



ACCESS ROAD MAP	11 MONTH	20 DAY	12 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.I.		REV: 02-12-14 L.S.	



PROPOSED LOCATION:
 #4-14-3-2 WELL PAD FOR
 #16-10-3-3-2WH, #1A-15-22-3-2WH,
 #13-11-2-3-2WH & #3-14-23-3-2WH

LEGEND:

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #16-10-3-3-2WH,
 #1A-15-22-3-2WH, #13-11-2-3-2WH & #3-14-23-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

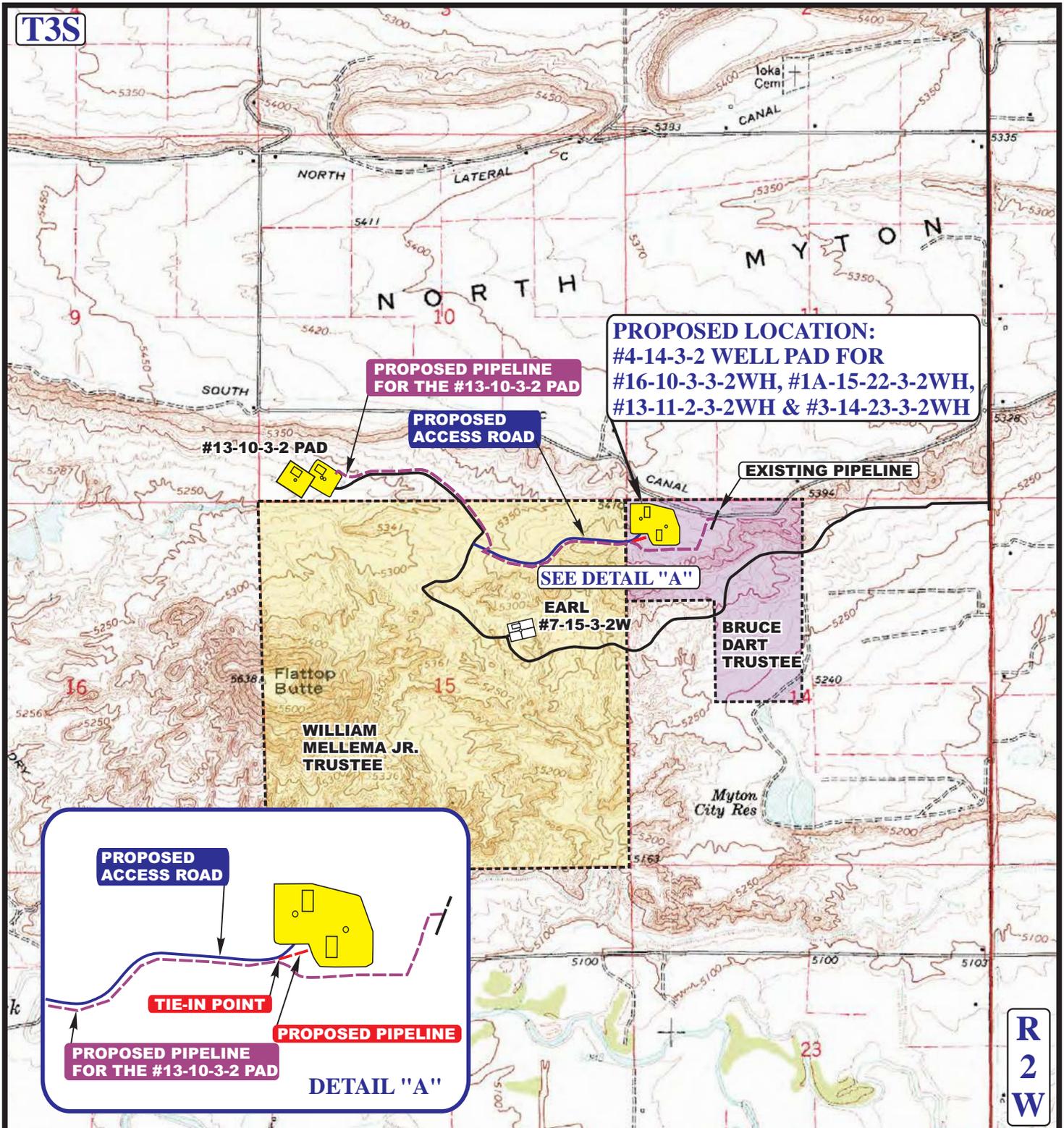


TOPOGRAPHIC MAP

11 20 12
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REV: 02-12-14 L.S.





APPROXIMATE TOTAL PIPELINE DISTANCE = 209' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)

NEWFIELD EXPLORATION COMPANY

#4-14-3-2 WELL PAD FOR #16-10-3-3-2WH,
 #1A-15-22-3-2WH, #13-11-2-3-2WH & #3-14-23-3-2WH
 SECTION 14, T3S, R2W, U.S.B.&M.
 NW 1/4 NW 1/4



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC MAP 11 20 12
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.I. REV: 02-12-14 L.S.



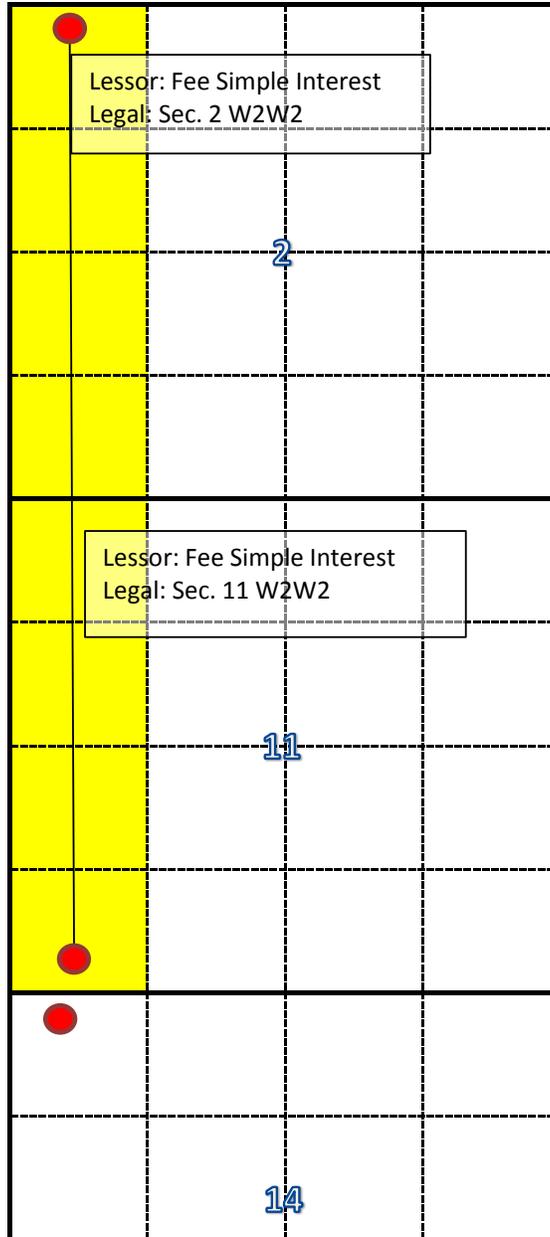
Plat depiction including Lease Numbers

13-11-2-3-2WH

SHL 394' FNL & 561' FWL of Section 14

Top of Producing Interval 330' FSL & 660' FWL of Section 11

BHL 330' FNL & 660' FWL of Section 2



-  **Fee Simple or State Minerals**
-  **Allotted Trust Minerals**
-  **Ute Tribe Trust Minerals**
-  **Federal Minerals**

August 19, 2014

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

RE: Dart 13-11-2-3-2WH
Township 3 South, Range 2 West, Section 11
Duchesne County, Utah

NEWFIELD



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

Dear Mr. Hill,

Newfield Production Company ("Newfield") proposes to drill the Dart 13-11-2-3-2WH from a surface location of 394' FNL and 561' FWL of Section 14, T3S, R2W, to a bottom hole location of 330' FNL and 660' FWL of Section 2, T3S, R2W.

The Dart 13-11-2-3-2WH is covered by Order No. 139-113, which requires no portion of the producing interval of the horizontal lateral be closer than 330' from the northern or southern section boundaries and no closer than 660' from the eastern or western section boundaries.

In compliance with the above referenced Order, the top of the uppermost producing zone of the Dart 13-11-2-3-2WH is 330' FSL and 660' FWL of Section 11, T3S, R2W. Newfield shall case and cement the Dart 13-11-2-3-2WH wellbore from the surface location to the point where the wellbore reaches the legal setback, and the wellbore will only be completed within the legal setback. In the event a future recompletion outside of this setback is proposed, Newfield shall attempt to acquire consent from all the owners in Section 14 of T3S, R2W, and shall file the appropriate application with the State. The bottom hole location of the Dart 13-11-2-3-2WH is 330' FNL and 660' FWL of Section 2, T3S R2W, which is within the legal setback. In the event the horizontal lateral drifts west, Newfield will attempt to acquire consent from all owners in Sections 3 and 10 of T3S, R2W and shall file the appropriate application with the State.

Newfield has also obtained authorization from the surface owner of the drilling location, as is evidenced by the Affidavit of Easement, Right-of-Way and Surface Use Agreement attached to the APD. Newfield and its partners are the leasehold owners of the minerals underlying the surface location and all that portion of the wellbore of the Dart 13-11-2-3-2WH lying outside the drilling unit.

Based on Newfield's compliance with the requirements of Order No. 139-113, Newfield respectfully requests the approval of our APD for the Dart 13-11-2-3-2WH.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4466 or by email at rmiller@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

Robert N. Miller II
Sr. Landman

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro SM #1
Submitted By Kylan Cook Phone Number 435-790-8236
Well Name/Number Dart 13-11-2-3-2WH
Qtr/Qtr NW/NW Section 14 Township 3S Range 2W
Lease Serial Number Patented
API Number 43-013-52271

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

Date/Time 11/26/2014 13:00 AM PM

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

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

CONFIDENTIAL

Date/Time _____ AM PM

BOPE

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

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: DART 13-11-2-3-2WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013522710000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0394 FNL 0561 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U		PHONE NUMBER: 435 646-4825 Ext
		9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/26/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Pro Petro SM Rig #1 spudded 30" hole on 11/26/2014 and drilled to 87' Pioneer Rig #78 RKB. Set 20", 52.78# (0.250" wall), A53B conductor pipe at 87'RKB cemented to surface with Redi Mix. Kylan Cook notified UDOGM and BLM by e-mail @ 22:00 PM on 11/24/2014 to spud conductor hole on 11/26/2014.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 07, 2015**

NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A	DATE 1/6/2015	

NEWFIELD

Casing

Conductor



Legal Well Name Dart 13-11-2-3-2WH		Wellbore Name Original Hole		
API/UWI 43013522710000	Surface Legal Location NWNW 394FNL 561FWL SEC14 T3S R2W MERU	Field Name UINTA CB - UTELAND BUTTE	Well Type Development	Well Configuration Type Horizontal
Well RC 500335228	County Duchesne	State/Province Utah	Spud Date	Final Rig Release Date

Wellbore					
Wellbore Name Original Hole			Kick Off Depth (ftKB)		
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	30	27	87	11/26/2014	11/26/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Conductor	Set Depth (ftKB)	Run Date	Set Tension (kips)	
	87	11/26/2014		
Centralizers	Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Conductor Pipe	20	19.500	52.78	A53B	Welded	2	60.00	27.0	87.0			

Jewelry Details									
External Casing Packer									
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)		
Inflation Fluid Type	Infl FI Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)		

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern		Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)	

Liner Hanger						
Retrievable?	Elastomer Type	Element Center Depth (ft)		Polish Bore Size (in)	Polish Bore Length (ft)	
Slip Description				Set Mechanics		
Setting Procedure						
Unsetting Procedure						

NEWFIELD

Casing

Surface

Legal Well Name Dart 13-11-2-3-2WH		Wellbore Name Original Hole	
API/UWI 43013522710000	Surface Legal Location NWNW 394FNL 561FWL SEC14 T3S R2W MERU	Field Name UINTA CB - UTELAND BUTTE	Well Type Development
Well RC 500335228	County Duchesne	State/Province Utah	Well Configuration Type Horizontal
Spud Date		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	30	27	87	11/26/2014	11/26/2014
Vertical	17 1/2	87	1,670	12/12/2014	12/13/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing			
Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Surface	1,658	12/13/2014	
Centralizers 14 centralizers spaced 10' from the shoe, on top of joints #2 & #3 then every 3rd collar to surface.		Scratchers	

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft*lb)	Class	Max OD (in)
Casing Joints	13 3/8	12.615	54.50	K-55	BTC	38	1,584.71	27.1	1,611.8			
Float Collar					BTC	1	1.50	1,611.8	1,613.3			
Casing Joints	13 3/8	12.615	54.50	K-55	BTC	1	43.69	1,613.3	1,657.0			
Guide Shoe					BTC	1	1.00	1,657.0	1,658.0			

Jewelry Details							
External Casing Packer							
Type	Setting Requirement	Release Requirements		Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)	
Inflation Fluid Type	Infl FI Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern		Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)	

Liner Hanger				
Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)
Slip Description	Set Mechanics			
Setting Procedure				
Unsetting Procedure				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

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

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

At surface 394' FNL 561' FWL (NW/NW) SEC 14 T3S R2W

At top prod. interval reported below 511' FSL 743' FWL (SW/SW) SEC 11 T3S R2W

At total depth 140' FNL 721' FWL (NW/NW) SEC 2 T3S R2W

14. Date Spudded
11/26/2014

15. Date T.D. Reached
02/04/2015

16. Date Completed 04/03/2015
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5416' GL 5443' KB

18. Total Depth: MD 19433'
TVD 9571'

19. Plug Back T.D.: MD 19376'
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
19-1/2"	13-3/8" K-55	54.50	0'	1658'		1215 CLASS G			
12-5/8"	9-5/8" N-80	40	0'	8537'		1230 Varicem		2560'	
						555Expandacem			
8-7/8"	5-1/2" P-110	20	0'	19423'		2250Elasticem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforation Interval	Size	No. Holes	Perf. Status
A) Uteland Butte	9429'	19099'	9429' - 19099'	0.38	672	
B) Uteland Butte	19195'	19198'	19195' - 19198'			Toe Sleeve
C)						
D)						

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

Depth Interval	Amount and Type of Material
9429' - 19198' MD	Frac w/ 4,765,9400#s of proppant sand in 88,500 bbls of clean fluid, in 33 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/2/15	4/12/15	24	→	411	254	535			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

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

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK DOUGLAS CREEK	6663' 7793'
				CASTLE PEAK UTELAND BUTTE	8628' 9060'
				UTELAND BUTTE D	10050'

32. Additional remarks (include plugging procedure):

Bottom Producing Interval: 334' FNL 730' FWL (NW/NW) SEC 2 T3S R2W

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

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

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

Name (please print) Heather Calder Title Regulatory Technician
 Signature *H Calder* Date 04/30/2015

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

NEWFIELD

Directional Survey

Legal Well Name Dart 13-11-2-3-2WH				Wellbore Name Original Hole			
API/UWI 43013522710000		Surface Legal Location NWNW 394FNL 561FWL SEC14 T3S R2W MERU		Field Name UINTA CB - UTELAND BUTTE		Well Type Development	Well Configuration Type Horizontal
Well RC 500335228		County Duchesne	State/Province Utah		Spud Date	Final Rig Release Date 2/4/2015 06:00	

Actual Deviation Survey Surface hole surveys. PIONEER #78 RKB., Proposed? No		Wellbore Name Original Hole	Parent Wellbore	Job	VS Dir (°) 0.68	Profile Type Horizontal	Kick Off Depth (ftKB) 8.546
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Date 12/12/2014		Definitive? No		Description Surface hole surveys. PIONEER #78 RKB.		Proposed? No	
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MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EWTie In (ft)
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Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
12/12/2014	0	0.00	0.00	0	0	0	0	0.00	0.00	0.00	0.00	MWD	Weatherford
12/12/2014	124	0.70	333.30	124	1	1	0	0.56	0.56	268.79	0.76	MWD	Payzone
12/12/2014	152	0.79	316.38	152	1	1	-1	0.84	0.32	-60.43	1.12	MWD	Payzone
12/12/2014	180	0.53	303.28	180	1	1	-1	1.07	-0.93	-46.79	1.44	MWD	Payzone
12/12/2014	208	0.83	307.63	208	1	1	-1	1.09	1.07	15.54	1.77	MWD	Payzone
12/12/2014	234	0.62	303.43	234	2	2	-1	0.83	-0.81	-16.15	2.10	MWD	Payzone
12/12/2014	263	0.60	321.73	263	2	2	-2	0.67	-0.07	63.10	2.40	MWD	Payzone
12/12/2014	290	0.70	312.03	290	2	2	-2	0.55	0.37	-35.93	2.71	MWD	Payzone
12/12/2014	317	0.97	309.83	317	2	2	-2	1.01	1.00	-8.15	3.10	MWD	Payzone
12/12/2014	345	0.97	327.01	345	3	3	-2	1.03	0.00	61.36	3.57	MWD	Payzone
12/12/2014	374	1.14	335.10	374	3	3	-3	0.78	0.59	27.90	4.10	MWD	Payzone
12/12/2014	405	0.83	320.42	405	3	4	-3	1.28	-1.00	-47.35	4.63	MWD	Payzone
12/12/2014	437	1.27	304.95	437	4	4	-3	1.62	1.38	-48.34	5.21	MWD	Payzone
12/12/2014	467	1.32	332.81	467	4	4	-4	2.08	0.17	92.87	5.87	MWD	Payzone
12/12/2014	497	1.19	328.33	497	5	5	-4	0.54	-0.43	-14.93	6.53	MWD	Payzone
12/12/2014	527	1.41	301.39	527	5	5	-5	2.14	0.73	-89.80	7.19	MWD	Payzone
12/12/2014	557	1.45	311.37	557	6	6	-5	0.84	0.13	33.27	7.94	MWD	Payzone
12/12/2014	587	1.01	315.89	587	6	6	-6	1.50	-1.47	15.07	8.58	MWD	Payzone
12/12/2014	617	0.97	298.93	617	7	7	-6	0.98	-0.13	-56.53	9.09	MWD	Payzone
12/12/2014	647	1.36	316.25	647	7	7	-7	1.74	1.30	57.73	9.70	MWD	Payzone
12/12/2014	677	1.14	299.11	677	7	7	-7	1.44	-0.73	-57.13	10.34	MWD	Payzone
12/12/2014	707	1.41	317.53	707	8	8	-8	1.62	0.90	61.40	11.00	MWD	Payzone
12/12/2014	737	0.97	314.05	737	8	8	-8	1.49	-1.47	-11.60	11.62	MWD	Payzone
12/12/2014	767	1.32	301.54	767	9	9	-8	1.43	1.17	-41.70	12.22	MWD	Payzone
12/12/2014	797	1.36	321.48	797	9	9	-9	1.55	0.13	66.47	12.91	MWD	Payzone

NEWFIELD

Directional Survey

Legal Well Name Dart 13-11-2-3-2WH				Wellbore Name Original Hole			
API/UWI 43013522710000		Surface Legal Location NWNW 394FNL 561FWL SEC14 T3S R2W MERU		Field Name UINTA CB - UTELAND BUTTE		Well Type Development	Well Configuration Type Horizontal
Well RC 500335228		County Duchesne	State/Province Utah		Spud Date		Final Rig Release Date 2/4/2015 06:00

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
12/12/2014	827	0.97	307.63	827	9	10	-9	1.59	-1.30	-46.17	13.52	MWD	Payzone
12/12/2014	857	1.53	309.61	857	10	10	-10	1.87	1.87	6.60	14.17	MWD	Payzone
12/12/2014	887	1.14	315.46	887	10	10	-10	1.38	-1.30	19.50	14.87	MWD	Payzone
12/12/2014	917	1.32	298.18	917	11	11	-11	1.37	0.60	-57.60	15.51	MWD	Payzone
12/12/2014	947	1.32	311.32	947	11	11	-11	1.01	0.00	43.80	16.19	MWD	Payzone
12/12/2014	977	1.49	285.09	977	11	12	-12	2.20	0.57	-87.43	16.91	MWD	Payzone
12/12/2014	1,007	1.32	298.40	1,007	12	12	-13	1.22	-0.57	44.37	17.64	MWD	Payzone
12/12/2014	1,037	1.63	290.49	1,037	12	12	-14	1.23	1.03	-26.37	18.41	MWD	Payzone
12/12/2014	1,067	1.49	270.81	1,067	12	12	-14	1.84	-0.47	-65.60	19.21	MWD	Payzone
12/12/2014	1,097	1.67	263.29	1,097	12	12	-15	0.91	0.60	-25.07	20.04	MWD	Payzone
12/12/2014	1,127	1.41	258.11	1,127	12	12	-16	0.98	-0.87	-17.27	20.85	MWD	Payzone
12/12/2014	1,157	1.54	269.75	1,157	12	12	-17	1.09	0.43	38.80	21.61	MWD	Payzone
12/13/2014	1,187	1.85	249.84	1,187	12	12	-18	2.20	1.03	-66.37	22.49	MWD	Payzone
12/13/2014	1,217	1.71	257.54	1,217	11	12	-18	0.92	-0.47	25.67	23.42	MWD	Payzone
12/13/2014	1,247	1.87	254.59	1,247	11	11	-19	0.62	0.53	-9.83	24.35	MWD	Payzone
12/13/2014	1,277	2.14	250.51	1,277	11	11	-20	1.02	0.90	-13.60	25.40	MWD	Payzone
12/13/2014	1,307	1.76	256.74	1,307	10	11	-21	1.45	-1.27	20.77	26.42	MWD	Payzone
12/13/2014	1,337	2.02	262.28	1,337	10	11	-22	1.06	0.87	18.47	27.41	MWD	Payzone
12/13/2014	1,367	2.14	252.16	1,367	10	10	-23	1.29	0.40	-33.73	28.50	MWD	Payzone
12/13/2014	1,397	2.15	252.44	1,397	10	10	-24	0.05	0.03	0.93	29.62	MWD	Payzone
12/13/2014	1,427	1.71	253.18	1,427	9	10	-25	1.47	-1.47	2.47	30.63	MWD	Payzone
12/13/2014	1,457	1.71	253.40	1,457	9	9	-26	0.02	0.00	0.73	31.52	MWD	Payzone
12/13/2014	1,487	1.98	245.71	1,487	9	9	-27	1.22	0.90	-25.63	32.49	MWD	Payzone
12/13/2014	1,517	1.98	245.58	1,517	8	9	-28	0.01	0.00	-0.43	33.52	MWD	Payzone
12/13/2014	1,547	1.63	245.45	1,547	8	8	-29	1.17	-1.17	-0.43	34.47	MWD	Payzone
12/13/2014	1,577	1.67	240.92	1,577	7	8	-30	0.45	0.13	-15.10	35.33	MWD	Payzone
1/5/2015	1,767	1.89	241.11	1,766	5	5	-35	0.12	0.12	0.10	41.23	MWD	Weatherford
1/5/2015	1,862	2.24	151.06	1,861	2	3	-35	3.09	0.37	-94.79	43.66	MWD	Weatherford
1/5/2015	1,957	4.61	107.05	1,956	-1	0	-31	3.56	2.49	-46.33	48.98	MWD	Weatherford
1/5/2015	2,051	7.31	96.59	2,050	-2	-2	-21	3.08	2.87	-11.13	58.70	MWD	Weatherford
1/5/2015	2,146	7.70	96.97	2,144	-4	-3	-9	0.41	0.41	0.40	71.11	MWD	Weatherford
1/5/2015	2,240	7.58	95.58	2,237	-5	-5	4	0.23	-0.13	-1.48	83.60	MWD	Weatherford

NEWFIELD

Directional Survey

Legal Well Name Dart 13-11-2-3-2WH				Wellbore Name Original Hole					
API/UWI 43013522710000		Surface Legal Location NWNW 394FNL 561FWL SEC14 T3S R2W MERU		Field Name UINTA CB - UTELAND BUTTE		Well Type Development		Well Configuration Type Horizontal	
Well RC 500335228		County Duchesne		State/Province Utah		Spud Date		Final Rig Release Date 2/4/2015 06:00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
1/5/2015	2,335	7.50	94.37	2,331	-6	-6	16	0.19	-0.08	-1.27	96.07	MWD	Weatherford
1/5/2015	2,430	7.65	94.01	2,425	-6	-7	28	0.17	0.16	-0.38	108.59	MWD	Weatherford
1/5/2015	2,525	8.28	86.37	2,520	-6	-7	42	1.30	0.66	-8.04	121.73	MWD	Weatherford
1/5/2015	2,619	8.61	85.68	2,613	-5	-6	55	0.37	0.35	-0.73	135.53	MWD	Weatherford
1/5/2015	2,714	8.98	84.71	2,706	-4	-5	70	0.42	0.39	-1.02	150.05	MWD	Weatherford
1/5/2015	2,809	6.56	79.29	2,801	-2	-3	83	2.66	-2.55	-5.71	162.88	MWD	Weatherford
1/5/2015	2,903	6.22	77.63	2,894	0	-1	93	0.41	-0.36	-1.77	173.34	MWD	Weatherford
1/5/2015	2,998	6.49	78.23	2,988	3	1	103	0.29	0.28	0.63	183.86	MWD	Weatherford
1/5/2015	3,093	4.94	60.20	3,083	6	5	112	2.48	-1.63	-18.98	193.21	MWD	Weatherford
1/5/2015	3,188	3.15	41.59	3,178	10	9	117	2.31	-1.88	-19.59	199.82	MWD	Weatherford
1/5/2015	3,283	2.99	37.61	3,273	14	12	120	0.28	-0.17	-4.19	204.91	MWD	Weatherford
1/5/2015	3,378	1.07	30.02	3,367	17	15	122	2.04	-2.02	-7.99	208.27	MWD	Weatherford
1/5/2015	3,473	0.38	323.82	3,462	18	16	123	1.03	-0.73	309.26	209.32	MWD	Weatherford
1/6/2015	3,567	0.60	342.06	3,556	18	17	122	0.28	0.23	19.40	210.12	MWD	Weatherford
1/6/2015	3,662	0.71	339.94	3,651	19	18	122	0.12	0.12	-2.23	211.20	MWD	Weatherford
1/6/2015	3,757	0.77	330.61	3,746	20	19	121	0.14	0.06	-9.82	212.42	MWD	Weatherford
1/6/2015	3,852	0.77	326.46	3,841	22	20	121	0.06	0.00	-4.37	213.70	MWD	Weatherford
1/6/2015	3,947	0.56	310.55	3,936	22	21	120	0.29	-0.22	-16.75	214.79	MWD	Weatherford
1/6/2015	4,042	0.77	246.57	4,031	22	21	119	0.76	0.22	-67.35	215.73	MWD	Weatherford
1/6/2015	4,137	0.60	277.32	4,126	22	21	118	0.42	-0.18	32.37	216.83	MWD	Weatherford
1/6/2015	4,231	0.56	253.16	4,220	22	21	117	0.26	-0.04	-25.70	217.76	MWD	Weatherford
1/6/2015	4,326	0.69	245.16	4,315	22	20	116	0.16	0.14	-8.42	218.79	MWD	Weatherford
1/6/2015	4,421	0.82	228.43	4,410	21	20	115	0.27	0.14	-17.61	220.03	MWD	Weatherford
1/6/2015	4,516	1.05	219.21	4,505	20	19	114	0.29	0.24	-9.71	221.58	MWD	Weatherford
1/6/2015	4,610	1.11	216.41	4,599	18	17	113	0.08	0.06	-2.98	223.35	MWD	Weatherford
1/6/2015	4,705	1.44	216.31	4,694	17	15	112	0.35	0.35	-0.11	225.46	MWD	Weatherford
1/6/2015	4,800	0.58	24.66	4,789	16	15	111	2.12	-0.91	-201.74	226.19	MWD	Weatherford
1/6/2015	4,894	0.75	34.62	4,883	17	16	112	0.22	0.18	10.60	227.28	MWD	Weatherford
1/6/2015	4,989	0.60	17.44	4,978	18	17	112	0.26	-0.16	-18.08	228.38	MWD	Weatherford
1/6/2015	5,083	0.07	312.79	5,072	19	17	112	0.61	-0.56	314.20	228.90	MWD	Weatherford
1/6/2015	5,178	0.21	296.28	5,167	19	17	112	0.15	0.15	-17.38	229.13	MWD	Weatherford
1/6/2015	5,273	0.01	281.46	5,262	19	18	112	0.21	-0.21	-15.60	229.31	MWD	Weatherford
1/6/2015	5,368	0.36	244.84	5,357	19	17	112	0.37	0.37	-38.55	229.62	MWD	Weatherford
1/6/2015	5,462	0.55	229.64	5,451	18	17	111	0.24	0.20	-16.17	230.36	MWD	Weatherford
1/6/2015	5,557	0.78	221.32	5,546	18	16	110	0.26	0.24	-8.76	231.46	MWD	Weatherford
1/7/2015	5,652	1.66	195.01	5,641	16	14	110	1.07	0.93	-27.69	233.43	MWD	Weatherford
1/7/2015	5,747	0.89	210.23	5,736	14	12	109	0.88	-0.81	16.02	235.53	MWD	Weatherford
1/7/2015	5,842	1.22	99.57	5,831	13	12	109	1.84	0.35	-116.48	236.55	MWD	Weatherford
1/7/2015	5,936	1.59	99.27	5,925	13	11	112	0.39	0.39	-0.32	238.86	MWD	Weatherford
1/7/2015	6,031	1.48	108.54	6,020	12	11	114	0.29	-0.12	9.76	241.39	MWD	Weatherford
1/7/2015	6,126	1.29	119.54	6,115	11	10	116	0.34	-0.20	11.58	243.68	MWD	Weatherford
1/7/2015	6,221	2.10	61.54	6,210	11	10	119	1.88	0.85	-61.05	246.16	MWD	Weatherford
1/7/2015	6,315	2.18	63.99	6,304	13	12	122	0.13	0.09	2.61	249.67	MWD	Weatherford
1/7/2015	6,410	1.77	65.06	6,399	15	13	125	0.43	-0.43	1.13	252.94	MWD	Weatherford
1/7/2015	6,505	1.51	64.95	6,494	16	14	127	0.27	-0.27	-0.12	255.66	MWD	Weatherford
1/7/2015	6,600	1.07	80.74	6,589	16	15	129	0.59	-0.46	16.62	257.78	MWD	Weatherford
1/7/2015	6,695	0.80	92.97	6,684	17	15	131	0.35	-0.28	12.87	259.32	MWD	Weatherford
1/8/2015	6,789	0.80	117.28	6,778	16	15	132	0.36	0.00	25.86	260.60	MWD	Weatherford
1/8/2015	6,884	0.69	133.42	6,873	16	14	133	0.25	-0.12	16.99	261.83	MWD	Weatherford
1/8/2015	6,979	0.88	151.59	6,968	15	13	134	0.33	0.20	19.13	263.11	MWD	Weatherford
1/8/2015	7,074	0.97	162.50	7,063	13	12	134	0.21	0.09	11.48	264.64	MWD	Weatherford
1/8/2015	7,168	1.22	159.94	7,157	11	10	135	0.27	0.27	-2.72	266.43	MWD	Weatherford
1/8/2015	7,263	1.48	168.87	7,252	9	8	136	0.35	0.27	9.40	268.66	MWD	Weatherford

NEWFIELD

Directional Survey

Legal Well Name Dart 13-11-2-3-2WH				Wellbore Name Original Hole					
API/UWI 43013522710000		Surface Legal Location NWNW 394FNL 561FWL SEC14 T3S R2W MERU		Field Name UINTA CB - UTELAND BUTTE		Well Type Development		Well Configuration Type Horizontal	
Well RC 500335228		County Duchesne		State/Province Utah		Spud Date		Final Rig Release Date 2/4/2015 06:00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
1/8/2015	7,358	0.66	121.27	7,347	8	6	136	1.20	-0.86	-50.11	270.31	MWD	Weatherford
1/8/2015	7,453	0.51	79.91	7,442	8	6	137	0.46	-0.16	-43.54	271.22	MWD	Weatherford
1/8/2015	7,547	0.35	106.00	7,536	8	6	138	0.26	-0.17	27.76	271.91	MWD	Weatherford
1/8/2015	7,642	0.38	129.34	7,631	7	6	138	0.16	0.03	24.57	272.50	MWD	Weatherford
1/8/2015	7,737	0.55	138.77	7,726	7	5	139	0.20	0.18	9.93	273.27	MWD	Weatherford
1/8/2015	7,832	0.78	149.85	7,821	6	4	140	0.28	0.24	11.66	274.37	MWD	Weatherford
1/8/2015	7,927	0.91	155.90	7,916	5	3	140	0.17	0.14	6.37	275.77	MWD	Weatherford
1/10/2015	8,022	0.91	9.21	8,011	5	3	141	1.84	0.00	-154.41	276.20	MWD	Weatherford
1/10/2015	8,117	4.72	3.82	8,106	9	8	141	4.02	4.01	-5.67	280.86	MWD	Weatherford
1/10/2015	8,211	9.20	5.49	8,199	21	19	142	4.77	4.77	1.78	292.25	MWD	Weatherford
1/10/2015	8,306	14.49	5.01	8,292	40	38	144	5.57	5.57	-0.51	311.74	MWD	Weatherford
1/10/2015	8,401	20.41	357.89	8,382	69	67	144	6.61	6.23	371.45	340.16	MWD	Weatherford
1/10/2015	8,433	22.14	355.87	8,412	80	78	144	5.87	5.41	-6.31	351.77	MWD	Weatherford
1/10/2015	8,496	24.17	356.16	8,470	105	103	142	3.23	3.22	0.46	376.54	MWD	Weatherford
1/10/2015	8,589	26.11	357.64	8,554	144	143	140	2.19	2.09	1.59	416.05	MWD	Weatherford
1/10/2015	8,632	25.98	359.85	8,593	163	161	139	2.28	-0.30	5.14	434.93	MWD	Weatherford
1/10/2015	8,727	32.34	11.02	8,676	209	207	144	8.79	6.69	-367.19	481.01	MWD	Weatherford
1/10/2015	8,822	40.35	14.08	8,752	264	262	156	8.64	8.43	3.22	537.25	MWD	Weatherford
1/10/2015	8,855	43.86	14.30	8,777	286	284	162	10.65	10.64	0.67	559.37	MWD	Weatherford
1/10/2015	8,886	46.63	12.61	8,799	307	305	167	9.74	8.94	-5.45	581.38	MWD	Weatherford
1/10/2015	8,916	47.67	8.94	8,819	329	327	171	9.61	3.47	-12.23	603.37	MWD	Weatherford
1/10/2015	8,949	48.97	4.25	8,841	353	351	174	11.32	3.94	-14.21	628.00	MWD	Weatherford
1/10/2015	8,981	51.63	2.97	8,862	378	376	175	8.86	8.31	-4.00	652.62	MWD	Weatherford
1/10/2015	9,011	53.01	2.81	8,880	401	399	177	4.62	4.60	-0.53	676.36	MWD	Weatherford
1/10/2015	9,044	54.85	2.55	8,899	428	426	178	5.61	5.58	-0.79	703.03	MWD	Weatherford
1/10/2015	9,106	59.43	1.62	8,933	480	478	180	7.49	7.39	-1.50	755.10	MWD	Weatherford
1/10/2015	9,201	67.87	359.56	8,975	565	563	181	9.09	8.88	376.78	840.15	MWD	Weatherford
1/10/2015	9,296	75.02	359.53	9,005	655	653	180	7.53	7.53	-0.03	930.15	MWD	Weatherford
1/10/2015	9,391	80.90	0.73	9,025	748	746	180	6.31	6.19	-377.68	1,023.02	MWD	Weatherford
1/10/2015	9,487	86.42	1.90	9,036	843	841	182	5.88	5.75	1.22	1,118.39	MWD	Weatherford
1/10/2015	9,581	87.41	1.10	9,041	937	935	185	1.35	1.05	-0.85	1,212.25	MWD	Weatherford
1/10/2015	9,676	87.10	1.61	9,045	1,032	1,030	187	0.63	-0.33	0.54	1,307.14	MWD	Weatherford
1/10/2015	9,771	87.23	1.43	9,050	1,127	1,125	189	0.23	0.14	-0.19	1,402.03	MWD	Weatherford
1/10/2015	9,866	87.72	0.77	9,054	1,222	1,220	191	0.86	0.52	-0.69	1,496.93	MWD	Weatherford
1/10/2015	9,960	88.64	0.82	9,057	1,316	1,314	193	0.98	0.98	0.05	1,590.89	MWD	Weatherford
1/10/2015	10,055	87.22	1.00	9,061	1,411	1,409	194	1.51	-1.49	0.19	1,685.82	MWD	Weatherford
1/10/2015	10,150	85.81	359.91	9,066	1,506	1,503	195	1.87	-1.48	377.80	1,780.64	MWD	Weatherford
1/10/2015	10,244	86.61	358.67	9,073	1,599	1,597	194	1.57	0.85	-1.32	1,874.43	MWD	Weatherford
1/10/2015	10,339	86.54	359.14	9,078	1,694	1,692	192	0.50	-0.07	0.49	1,969.26	MWD	Weatherford
1/10/2015	10,434	88.33	0.22	9,083	1,789	1,787	191	2.20	1.88	-377.81	2,064.16	MWD	Weatherford
1/10/2015	10,529	87.47	0.42	9,086	1,884	1,882	192	0.93	-0.91	0.21	2,159.10	MWD	Weatherford
1/10/2015	10,623	87.22	1.74	9,090	1,978	1,976	194	1.43	-0.27	1.40	2,252.99	MWD	Weatherford
1/10/2015	10,718	87.28	3.22	9,095	2,073	2,071	198	1.56	0.06	1.56	2,347.88	MWD	Weatherford
1/10/2015	10,813	86.67	2.20	9,100	2,168	2,165	202	1.25	-0.64	-1.07	2,442.75	MWD	Weatherford
1/10/2015	10,907	86.92	2.24	9,105	2,261	2,259	206	0.27	0.27	0.04	2,536.60	MWD	Weatherford
1/10/2015	11,002	85.43	1.80	9,112	2,356	2,354	209	1.64	-1.57	-0.46	2,631.39	MWD	Weatherford
1/10/2015	11,097	88.21	3.26	9,117	2,451	2,449	213	3.30	2.93	1.54	2,726.23	MWD	Weatherford
1/10/2015	11,191	88.21	4.17	9,120	2,545	2,542	220	0.97	0.00	0.97	2,820.18	MWD	Weatherford
1/10/2015	11,286	87.78	5.26	9,123	2,639	2,637	227	1.23	-0.45	1.15	2,915.12	MWD	Weatherford
1/10/2015	11,381	86.30	2.47	9,128	2,734	2,732	234	3.32	-1.56	-2.94	3,009.98	MWD	Weatherford
1/10/2015	11,476	85.86	1.16	9,134	2,829	2,826	237	1.45	-0.46	-1.38	3,104.76	MWD	Weatherford
1/10/2015	11,570	85.43	1.14	9,142	2,923	2,920	239	0.46	-0.46	-0.02	3,198.49	MWD	Weatherford
1/10/2015	11,665	85.74	1.36	9,149	3,017	3,015	241	0.40	0.33	0.23	3,293.21	MWD	Weatherford

NEWFIELD

Directional Survey



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Well RC 500335228		County Duchesne		State/Province Utah		Spud Date		Final Rig Release Date 2/4/2015 06:00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
1/10/2015	11,759	87.35	2.26	9,155	3,111	3,108	244	1.96	1.71	0.96	3,387.03	MWD	Weatherford
1/10/2015	11,854	87.04	1.86	9,159	3,206	3,203	247	0.53	-0.33	-0.42	3,481.92	MWD	Weatherford
1/10/2015	11,949	86.92	3.42	9,164	3,301	3,298	251	1.64	-0.13	1.64	3,576.78	MWD	Weatherford
1/10/2015	12,044	86.42	5.37	9,170	3,395	3,393	259	2.12	-0.53	2.05	3,671.62	MWD	Weatherford
1/10/2015	12,139	86.30	6.02	9,176	3,490	3,487	268	0.69	-0.13	0.68	3,766.42	MWD	Weatherford
1/10/2015	12,233	88.21	4.27	9,180	3,584	3,580	277	2.75	2.03	-1.86	3,860.31	MWD	Weatherford
1/10/2015	12,328	89.08	1.41	9,183	3,678	3,675	281	3.15	0.92	-3.01	3,955.27	MWD	Weatherford
1/10/2015	12,423	87.29	0.78	9,186	3,773	3,770	283	2.00	-1.88	-0.66	4,050.22	MWD	Weatherford
1/10/2015	12,517	88.33	0.60	9,189	3,867	3,864	284	1.12	1.11	-0.19	4,144.15	MWD	Weatherford
1/10/2015	12,612	86.48	0.44	9,193	3,962	3,959	285	1.95	-1.95	-0.17	4,239.05	MWD	Weatherford
1/10/2015	12,707	86.30	1.21	9,199	4,057	4,054	286	0.83	-0.19	0.81	4,333.86	MWD	Weatherford
1/10/2015	12,802	86.30	1.69	9,206	4,152	4,149	289	0.50	0.00	0.51	4,428.66	MWD	Weatherford
1/10/2015	12,896	86.61	1.78	9,211	4,246	4,242	292	0.34	0.33	0.10	4,522.48	MWD	Weatherford
1/10/2015	12,991	86.42	359.77	9,217	4,340	4,337	293	2.12	-0.20	376.83	4,617.30	MWD	Weatherford
1/10/2015	13,086	84.69	357.64	9,225	4,435	4,432	291	2.88	-1.82	-2.24	4,712.00	MWD	Weatherford
1/10/2015	13,180	87.84	1.20	9,231	4,529	4,526	290	5.05	3.35	-379.19	4,805.78	MWD	Weatherford
1/10/2015	13,275	87.47	1.80	9,235	4,624	4,621	292	0.74	-0.39	0.63	4,900.70	MWD	Weatherford
1/10/2015	13,370	87.04	2.62	9,239	4,719	4,715	296	0.97	-0.45	0.86	4,995.59	MWD	Weatherford
1/10/2015	13,464	88.21	3.46	9,243	4,812	4,809	301	1.53	1.24	0.89	5,089.50	MWD	Weatherford
1/10/2015	13,559	87.41	2.36	9,247	4,907	4,904	306	1.43	-0.84	-1.16	5,184.43	MWD	Weatherford
1/10/2015	13,654	87.10	5.52	9,251	5,002	4,999	312	3.34	-0.33	3.33	5,279.31	MWD	Weatherford
1/10/2015	13,749	87.66	3.16	9,255	5,097	5,093	319	2.55	0.59	-2.48	5,374.20	MWD	Weatherford
1/10/2015	13,844	87.66	2.52	9,259	5,192	5,188	324	0.67	0.00	-0.67	5,469.12	MWD	Weatherford
1/10/2015	13,938	86.18	1.69	9,264	5,285	5,282	328	1.80	-1.57	-0.88	5,562.99	MWD	Weatherford
1/10/2015	14,033	87.53	2.52	9,270	5,380	5,377	331	1.67	1.42	0.87	5,657.84	MWD	Weatherford
1/10/2015	14,128	87.10	359.44	9,274	5,475	5,472	333	3.27	-0.45	375.71	5,752.72	MWD	Weatherford
1/10/2015	14,223	87.41	358.15	9,279	5,570	5,566	331	1.40	0.33	-1.36	5,847.61	MWD	Weatherford
1/10/2015	14,317	88.40	356.23	9,282	5,664	5,660	326	2.30	1.05	-2.04	5,941.54	MWD	Weatherford
1/10/2015	14,412	86.91	356.77	9,286	5,758	5,755	320	1.67	-1.57	0.57	6,036.46	MWD	Weatherford
1/10/2015	14,507	87.47	358.69	9,291	5,853	5,850	317	2.10	0.59	2.02	6,131.34	MWD	Weatherford
1/10/2015	14,602	86.98	358.81	9,295	5,948	5,945	315	0.53	-0.52	0.13	6,226.23	MWD	Weatherford
1/10/2015	14,696	87.72	359.31	9,300	6,042	6,039	313	0.95	0.79	0.53	6,320.13	MWD	Weatherford
1/10/2015	14,791	87.04	358.28	9,304	6,137	6,133	311	1.30	-0.72	-1.08	6,415.03	MWD	Weatherford
1/10/2015	14,886	86.42	359.08	9,309	6,231	6,228	309	1.06	-0.65	0.84	6,509.87	MWD	Weatherford
1/10/2015	14,981	88.46	358.79	9,314	6,326	6,323	307	2.17	2.15	-0.31	6,604.77	MWD	Weatherford
1/10/2015	15,076	84.13	358.36	9,320	6,421	6,418	305	4.58	-4.56	-0.45	6,699.55	MWD	Weatherford
1/10/2015	15,170	84.94	357.60	9,329	6,514	6,511	301	1.18	0.86	-0.81	6,793.12	MWD	Weatherford
1/10/2015	15,265	88.64	358.57	9,334	6,609	6,606	298	4.03	3.89	1.02	6,887.96	MWD	Weatherford
1/10/2015	15,360	84.68	357.98	9,340	6,704	6,701	295	4.21	-4.17	-0.62	6,982.77	MWD	Weatherford
1/10/2015	15,454	86.36	357.59	9,347	6,798	6,795	292	1.83	1.79	-0.41	7,076.48	MWD	Weatherford
1/10/2015	15,549	87.04	356.04	9,352	6,892	6,889	286	1.78	0.72	-1.63	7,171.32	MWD	Weatherford
1/10/2015	15,644	87.53	357.12	9,357	6,987	6,984	281	1.25	0.52	1.14	7,266.21	MWD	Weatherford
1/10/2015	15,738	86.98	385.68	9,361	7,078	7,075	299	30.35	-0.59	30.38	7,359.13	MWD	Weatherford
1/10/2015	15,833	86.91	359.30	9,367	7,170	7,167	319	27.73	-0.07	-27.77	7,453.16	MWD	Weatherford
1/10/2015	15,928	87.65	359.85	9,371	7,265	7,262	319	0.97	0.78	0.58	7,548.05	MWD	Weatherford
1/10/2015	16,022	86.73	359.49	9,376	7,359	7,356	318	1.05	-0.98	-0.38	7,641.93	MWD	Weatherford
1/10/2015	16,117	87.47	359.26	9,380	7,454	7,450	317	0.82	0.78	-0.24	7,736.81	MWD	Weatherford
1/10/2015	16,212	87.04	359.18	9,385	7,549	7,545	316	0.46	-0.45	-0.08	7,831.70	MWD	Weatherford
1/10/2015	16,307	86.85	357.18	9,390	7,643	7,640	313	2.11	-0.20	-2.11	7,926.56	MWD	Weatherford
1/10/2015	16,401	86.30	356.13	9,396	7,737	7,734	307	1.26	-0.59	-1.12	8,020.39	MWD	Weatherford
1/10/2015	16,496	86.48	356.33	9,402	7,831	7,828	301	0.28	0.19	0.21	8,115.21	MWD	Weatherford
1/10/2015	16,591	85.87	356.76	9,408	7,926	7,923	295	0.79	-0.64	0.45	8,209.99	MWD	Weatherford
1/10/2015	16,685	86.48	358.96	9,414	8,020	8,017	292	2.42	0.65	2.34	8,303.78	MWD	Weatherford

NEWFIELD

Directional Survey

Legal Well Name Dart 13-11-2-3-2WH		Wellbore Name Original Hole	
API/UWI 43013522710000	Surface Legal Location NWNW 394FNL 561FWL SEC14 T3S R2W MERU	Field Name UINTA CB - UTELAND BUTTE	Well Type Development
Well RC 500335228	County Duchesne	State/Province Utah	Well Configuration Type Horizontal
		Spud Date	Final Rig Release Date 2/4/2015 06:00

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Unwrap Displace (ft)	Method	Survey Company
1/10/2015	16,780	86.48	359.85	9,420	8,114	8,112	291	0.94	0.00	0.94	8,398.60	MWD	Weatherford
1/10/2015	16,875	86.17	0.32	9,426	8,209	8,206	291	0.59	-0.33	-378.45	8,493.40	MWD	Weatherford
1/10/2015	16,970	86.30	0.10	9,432	8,304	8,301	291	0.27	0.14	-0.23	8,588.20	MWD	Weatherford
1/10/2015	17,065	86.48	359.38	9,438	8,399	8,396	291	0.78	0.19	378.19	8,683.01	MWD	Weatherford
1/10/2015	17,159	86.85	356.20	9,444	8,493	8,490	287	3.40	0.39	-3.38	8,776.84	MWD	Weatherford
1/10/2015	17,254	87.10	353.88	9,449	8,587	8,584	279	2.45	0.26	-2.44	8,871.70	MWD	Weatherford
1/10/2015	17,349	86.92	356.02	9,454	8,681	8,679	271	2.26	-0.19	2.25	8,966.56	MWD	Weatherford
1/10/2015	17,444	87.41	357.67	9,459	8,776	8,774	266	1.81	0.52	1.74	9,061.44	MWD	Weatherford
1/10/2015	17,539	86.67	355.48	9,463	8,871	8,868	260	2.43	-0.78	-2.31	9,156.31	MWD	Weatherford
1/10/2015	17,634	85.37	355.03	9,470	8,965	8,963	252	1.45	-1.37	-0.47	9,251.08	MWD	Weatherford
1/10/2015	17,729	87.35	355.57	9,476	9,059	9,057	244	2.16	2.08	0.57	9,345.88	MWD	Weatherford
1/10/2015	17,823	86.98	356.23	9,481	9,153	9,151	238	0.80	-0.39	0.70	9,439.76	MWD	Weatherford
1/10/2015	17,918	86.36	355.48	9,486	9,247	9,245	231	1.02	-0.65	-0.79	9,534.60	MWD	Weatherford
1/10/2015	18,013	86.61	354.85	9,492	9,342	9,340	223	0.71	0.26	-0.66	9,629.42	MWD	Weatherford
1/10/2015	18,108	87.04	355.26	9,497	9,436	9,434	215	0.62	0.45	0.43	9,724.28	MWD	Weatherford
1/10/2015	18,202	87.22	355.41	9,502	9,530	9,528	207	0.25	0.19	0.16	9,818.16	MWD	Weatherford
1/10/2015	18,297	87.41	357.07	9,507	9,624	9,623	201	1.76	0.20	1.75	9,913.05	MWD	Weatherford
1/10/2015	18,392	86.91	357.13	9,511	9,719	9,717	196	0.53	-0.53	0.06	10,007.94	MWD	Weatherford
1/10/2015	18,487	87.72	356.96	9,516	9,814	9,812	191	0.87	0.85	-0.18	10,102.83	MWD	Weatherford
1/10/2015	18,582	86.67	357.11	9,520	9,908	9,907	186	1.12	-1.11	0.16	10,197.71	MWD	Weatherford
1/10/2015	18,677	87.59	356.62	9,525	10,003	10,002	181	1.10	0.97	-0.52	10,292.59	MWD	Weatherford
1/10/2015	18,772	83.57	355.89	9,532	10,098	10,096	175	4.30	-4.23	-0.77	10,387.29	MWD	Weatherford
1/10/2015	18,866	86.85	359.26	9,540	10,191	10,190	171	4.99	3.49	3.59	10,480.94	MWD	Weatherford
1/10/2015	18,961	85.62	0.04	9,547	10,286	10,284	170	1.53	-1.29	-378.13	10,575.73	MWD	Weatherford
1/10/2015	19,054	87.22	0.00	9,552	10,379	10,377	170	1.72	1.72	-0.04	10,668.54	MWD	Weatherford
1/10/2015	19,146	87.97	359.60	9,556	10,471	10,469	170	0.92	0.82	390.87	10,760.46	MWD	Weatherford
1/29/2015	19,239	86.85	358.97	9,560	10,563	10,562	169	1.38	-1.20	-0.68	10,853.37	MWD	Weatherford
1/29/2015	19,331	87.90	357.03	9,565	10,655	10,654	166	2.40	1.14	-2.11	10,945.26	MWD	Weatherford
1/29/2015	19,405	85.68	356.51	9,569	10,729	10,728	161	3.08	-3.00	-0.70	11,019.14	MWD	Weatherford
1/29/2015	19,433	85.68	356.51	9,571	10,757	10,756	160	0.00	0.00	0.00	11,047.06	Extrap.	Weatherford



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date 3/11/2015	Report End Date 3/12/2015	24hr Activity Summary Remove FMC 13 5/8"10k Night cap. Install FMC 13 5/8 10k"x 7 1/16" 10K Tbg head w/ Weatherford 7 1/16" manual frac valve. remove back pressure valve. Install night cap 7 1/16" 10k
Start Time 08:00	End Time 14:00	Comment Remove FMC 13 5/8"10k Night cap. Install FMC 13 5/8 10k"x 7 1/16" 10K Tbg head w/ Weatherford 7 1/16" manual frac valve. remove back pressure valve. Install night cap 7 1/16" 10k
Start Time 14:00	End Time 04:00	Comment Well shut in., Wait on Running CBL
Report Start Date 3/12/2015	Report End Date 3/13/2015	24hr Activity Summary Running CBL
Start Time 00:00	End Time 08:00	Comment SDSIFN
Start Time 08:00	End Time 16:00	Comment Remove night cap 7 1/16" 10k.MU CBL /CCL Logging tools to RU 5" 10k Lubricator run cbl/ccl to curve @8546' or as low as we can get logging tools. LOG well w/1000psi on casing. RD wireline SISDFN.
Start Time 16:00	End Time 00:00	Comment SDSIFN
Report Start Date 3/18/2015	Report End Date 3/19/2015	24hr Activity Summary Nipple up frac stack
Start Time 00:00	End Time 08:00	Comment Wait on daylight to begin NU frac stack
Start Time 08:00	End Time 15:00	Comment 7 1/16" 10K HCR / 7 1/16" 10k flow cross w/ dual double 4" W/2 1/16" & 4" outlets . 7 1/16" 10k manual frac valve, 7 1/16" frac head . night cap Test to Newfield Standard guide lines. RU frac stand and stairs.
Start Time 15:00	End Time 16:00	Comment Moving In Frav tanks for pump dwn
Start Time 16:00	End Time 00:00	Comment SDFN
Report Start Date 3/19/2015	Report End Date 3/20/2015	24hr Activity Summary open toes sleeve
Start Time 00:00	End Time 08:00	Comment SDFN
Start Time 08:00	End Time 14:30	Comment RU HES acid crew to open toe sleeve@19194.5 to lines to 10k Pressure tested casing to 6000psi held for 30mins. Start pumping 5bbls min pressure to 8115 psi open toe sleeve@19194.5 pumped 20 bbls acid increased rate 6.5 BPM pressure @6000psi leveled out. Acid hit pressure dropped to 4500psi. flushed 39bbls water. Shut down acid Crew . getting 5-10-15. Pressure on ISIP 4850 psi. 5min 4568 psi. 10min 4510 psi . 15 min 4473 psi.
Start Time 14:30	End Time 16:30	Comment RD HES acid crew close in well
Start Time 16:30	End Time 00:00	Comment Hold JSA safety meeting with PROS flowback & talk about how we are running flowback lines. RU Flow Back & test all flowback lines, manifolds & valves per Newfield's policies & procedures.
Report Start Date 3/20/2015	Report End Date 3/21/2015	24hr Activity Summary Open toe sleeve. RU & test flowback lines & manifolds.
Start Time 00:00	End Time 04:00	Comment Finish RU of flowback lines & manifolds. Test & chart all lines & manifolds per Newfield's policies & procedures.
Start Time 04:00	End Time 00:00	Comment SDFN with well secured & wait on Frac.



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

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Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
3/21/2015	3/22/2015	SWI & Wait on Frac.
Start Time		End Time
00:00		00:00
Comment		
SWI & Wait on Frac.		
Report Start Date	Report End Date	24hr Activity Summary
3/22/2015	3/23/2015	SWI & Wait on Frac.
Start Time		End Time
00:00		00:00
Comment		
SWI & Wait on Frac.		
Report Start Date	Report End Date	24hr Activity Summary
3/23/2015	3/24/2015	SWI & Wait on Frac.
Start Time		End Time
00:00		00:00
Comment		
SWI & Wait on Frac.		
Report Start Date	Report End Date	24hr Activity Summary
3/24/2015	3/25/2015	SWI & Wait on Frac.
Start Time		End Time
00:00		00:00
Comment		
SWI & Wait on Frac. Goff trucking started to bring in sand for Frac.		
Report Start Date	Report End Date	24hr Activity Summary
3/25/2015	3/26/2015	RU FTS Wireline, Halliburton and get ready for the frac.
Start Time		End Time
00:00		06:00
Comment		
SWI & Wait on Frac. Goff still trucking in sand for Frac.		
Start Time		End Time
06:00		08:00
Comment		
Rockwater on location will start filling tanks.		
Start Time		End Time
08:00		14:00
Comment		
FTSI wireline on location RU & test wireline BOPS & flange. Halliburton on location spotting in trucks & RU. Everyone is RU & ready to start in the morning. Will be here ready to go @6am		
Start Time		End Time
14:00		00:00
Comment		
SWI & Wait on Frac. Rockwater is filling Frac tanks on location @16 BPM until full.		
Report Start Date	Report End Date	24hr Activity Summary
3/26/2015	3/27/2015	Start frac operations. Frac stgs. 1 & 2. Perf stgs. 1, 2 & 3.
Start Time		End Time
00:00		08:00
Comment		
FTS wireline. Halliburton and everybody are RU everybody will be on location at 6am. FTS removed BOP w/ lubricator. Installed cap on wireline test sub. Halliburton getting ready to pressure test Frac lines. Bucket test is good		
Start Time		End Time
08:00		10:30
Comment		
Hold Safety Meeting . start the frac. Stage #1 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated N/A holes open, 186 psi perf friction, 536 psi NWB as per FracPro. Before body of job, ran 2500lb 0.5ppg 100Mesh slug to watch pressure response, saw no significant increase continued with job. Had Cat 3/4 run away at start pad for 100Mesh slug, left in tack additional 42gal run, able to get lined. Saw slight pressure increase when main Xlink pad reached bottom. No other issues, able to place job completely. WG-36-12.9% (216.1), FR-76-3.7% (1), FE-2A-3.7% (1), MO-67-2.3% (1), FDP-M1075-12-5.8% (3.6) Vicon NF-2.7% (5.1), Losurf 300D-2.4% (2.9) Cat 3/4-124% (41.5), BE-9-5.8% (2.1)		
Start Time		End Time
10:30		15:30
Comment		
Stage #2 P&P RIH with guns and plug to KOP. pumped down guns at 12.5 bpm and 5490 psi, 240 fpm, 960 LT, pumped guns to 19100'. Pulled up and got line tension and set plug. LT prior to setting plug 2112. LT after plug set 1797. Set plug at 19119'. Plug set time 38.4 sec. POH and perforated at 19096'- 099', 19003'- 005', 18877'- 879'. POH with tools, max pressure for pump down 5610 psi. Max rate for pump down 12.4 bpm. Total bbbls pumped 590.63. bbbls. Finished GR/CCL/CBL log from 18800'- 8200' POOH w/ tools LD Guns all shots fired . Drop ball install cap		

Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Sundry Number: 63031 API Well Number: 43013522710000

Start Time	15:30	End Time	19:00	Comment Frac stg #2. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 485 psi perf friction, 361 psi NWB as per FracPro. 3. No trouble getting into interval. Saw slightly higher leak-off than expected, 200psi PLIF in 3:30min. 4. Overall good job. able to place job completely. Ball Seat Stage Pressures and Rate: 6160 psi @ 15.6 bpm , 5785 psi Pressure before Seating , 6180 psi Pressure after Seating. WG-36-14% (216) , BC-200-4.5% (5.6) , MO-67-2.8% (1.3) , FDP-M1075-12-3.2% (2) Vicon NF-4.4% (7.2) , Losurf 300D-4% (5.1)
Start Time	19:00	End Time	00:00	Comment Stage #3 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5855 psi. 219 fpm, 950 LT, pumped guns to 18,774'. Pulled up and got line tension and set plug. LT prior to setting plug 2139. LT after plug set 1820. Set plug at 18,790'. Plug set time 67 sec. POOH and perforated at 18,729'- 732', 18,666'- 668', 18,614'- 616' Moved the last shot 8' down from collar. POH with tools, max pressure for pump down 6103 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 556. bbls. POOH with guns.
Report Start Date	3/27/2015	Report End Date	3/28/2015	24hr Activity Summary Frac'ed stages 3,4,5 & 6. Perf'ed stages 4,5,6 & 7
Start Time	00:00	End Time	03:00	Comment Frac stg#3. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 700 psi perf friction, 69 psi NWB as per FracPro. Stage went well. Ball Seat Stage Pressures and Rate: 5774 psi @ 15.1 bpm , 5501 psi Pressure before Seating , 5774 psi Pressure after Seating. WG-36-5% (76.2) , BC-200-4.3% (5.3) , FDP-M1075-12-4% (2.5) Vicon NF-4.5% (7.2) , Losurf 300D-4% (5) BE-9-4% (1.5)
Start Time	03:00	End Time	06:00	Comment Stage #4 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5950 psi. 215 fpm, 1020 LT, pumped guns to 18,606'. Pulled up and got line tension and set plug. LT prior to setting plug 1855. LT after plug set 1600. Set plug at 18,540'. Plug set time 50 sec. POOH and perforated at 18,495'- 498', 18,380'- 382', 18,264'- 266'. POOH with tools, max pressure for pump down 5979 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 602 bbls. POOH with guns,
Start Time	06:00	End Time	08:30	Comment Stage #4 Frac Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 608 psi perf friction, 290 psi NWB as per FracPro. Good job with no issues, placed completely. Ball Seat Stage Pressures and Rate: 5435 psi @ 15.2 bpm , 5270 psi Pressure before Seating , 5450 psi Pressure after Seating. WG-36-4.7% (75.3) , BC-200-4.1% (5.2) , FE-2A-4.3% (1.4) , MO-67-4.4% (1.9) , FDP-M1075-12-4.4% (2.8) Vicon NF-4.6% (7.7) , Losurf 300D-4.2% (5.4) BE-9-3.9% (1.5)
Start Time	08:30	End Time	11:00	Comment Stage #5 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5670 psi, 246 fpm, 990 LT, pumped guns to 18,185'. Pulled up and got line tension and set plug. LT prior to setting plug 2057, LT after plug set 1713. Set plug at 18,210'. Plug set time 58 sec. POOH and perforated at 18,177'- 180', 18,103'- 105', 17,945'- 947'. POOH with tools, max pressure for pump down 5955 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 514.34 bbls. POOH with guns,
Start Time	11:00	End Time	12:00	Comment Weaterford Grease Frac Stack.
Start Time	12:00	End Time	14:30	Comment Frac Stage #5 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 755 psi perf friction, 340 psi NWB as per FracPro. Lost some rate in the 3ppg sand stg, pump jacking, made up with rest of pumps. No other issues, able to place job completely. Ball Seat Stage Pressures and Rate: 5750 psi @ 15.4 bpm , 5500 psi Pressure before Seating , 5790 psi Pressure after Seating. WG-36-4.6% (75.6) , BC-200-4.2% (5.4) , FE-2A-3.7% (1.1) , MO-67-3.9% (1.9) , FDP-M1075-12-4.3% (2.7) Vicon NF-4.8% (8.1) , Losurf 300D-4.3% (5.5) BE-9-4.3% (1.6)



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time			End Time			Comment		
14:30			17:00			Stage #6 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 6130 psi, 250 fpm. 1004 LT, pumped guns to 17888'. Pulled up and got line tension and set plug. LT prior to setting plug 1945. LT after plug set 1621. Set plug at 17914'. Plug set time 1min 28 sec. POOH and perforated at 17880'- 883', 17,780'- 782', 17,656'- 658'. POOH with tools, max pressure for pump down 6130 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 497.23 bbls. POOH with guns.		
Start Time			End Time			Comment		
17:00			19:30			Frac stg #6. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 20 holes open, 875 psi perf friction, 349 psi NWB as per FracPro. 3. Came offline at the end of Pad, sent blender plan to Growler. Flushed WB of Xlink fluid. Total of 40min to work through issue. 4. Treating pressure increased each time pumps were brought off then brought back on. 5. Reduced rate from 40 to 35bpm with Xlink fluid on bottom, saw good pressure relief when 1.0ppg 100mesh reached bottom. 6. Able to place job with no other issues. Ball Seat Stage Pressures and Rate: 5495 psi @ 15 bpm , 5300 psi Pressure before Seating , 5520 psi Pressure after Seating. WG-36-5.1% (107.8) , BC-200-4.7% (7.9) , CL-31-5.3% (1.3) MO-67-3.7% (2.4) , FDP-M1075-12-2.5% (2.1) Vicon NF-4.7% (10.7) , Losurf 300D-4.4% (5.6) BE-9-4.1% (1.6)		
Start Time			End Time			Comment		
19:30			22:30			Stage #7 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5860 psi, 235 fpm, 900 LT, pumped guns to 17,650'. Pulled up and got line tension and set plug. LT prior to setting plug 2338. LT after plug set 1950. Set plug at 17, 616'. Plug set time 66 sec. POOH and perforated at 17581'- 584', 17,469'- 471', 17,355'- 357'. POOH with tools, max pressure for pump down 6001 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 571 bbls. POOH with guns,		
Start Time			End Time			Comment		
22:30			00:00			Started the frac on stg #7.		
Report Start Date	Report End Date	24hr Activity Summary						
3/28/2015	3/29/2015	Frac'ed stages 7,8,9,10 &11 Perf'ed stages 8,9, 10 & 11						
Start Time			End Time			Comment		
00:00			01:00			Frac stg #7. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 743 psi perf friction, 332 psi NWB as per FracPro. 3. Stage went well. Ball Seat Stage Pressures and Rate: 5569 psi @ 15.1 bpm , 5390 psi Pressure before Seating , 5569 psi Pressure after Seating. BC-200-3.4% (4.9) , FE-2A-3.4% (1) , MO-67-4.1% (2.2) , FDP-M1075-12-3.9% (2.6) Vicon NF-3.2% (5.8) , Losurf 300D-2.1% (2.9) . Cat 3/4-4.3% (1.5) ,		
Start Time			End Time			Comment		
01:00			03:30			Stage #8 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5688 psi, 250 fpm, 950 LT, pumped guns to 17,350'. Pulled up and got line tension and set plug. LT prior to setting plug 1743, LT after plug set 1530. Set plug at 17, 320'. Plug set time 48 sec. POOH and perforated at 17,267'- 270', 17,164'- 166', 17,052'- 054'. POOH with tools, max pressure for pump down 5726 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 456.7 bbls. POOH with guns,		
Start Time			End Time			Comment		
03:30			06:00			Frac stg #8 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 873 psi perf friction, 251 psi NWB as per FracPro. Treated well with all proppant placed. Ball Seat Stage Pressures and Rate: 5769 psi @ 15.1 bpm , 5370 psi Pressure before Seating , 5746 psi Pressure after Seating .WG-36-4% (72) , BC-200-2.4% (3.4) , MO-67-3.3% (1.8) , FDP-M1075-12-5% (3.2) Vicon NF-4.7% (8.4) , Losurf 300D-4.4% (5.7) BE-9-3.4% (1.3)		



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time	End Time	Comment
06:00	08:30	Stage #9 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5510 psi, 250 fpm, 930 LT, pumped guns to 17,004'. Pulled up and got line tension and set plug. LT prior to setting plug 2400, LT after plug set 2035. Set plug at 17,026'. Plug set time 31 sec. POOH and perforated at 16,968'- 971', 16,851'- 853', 16,742'- 744'. POOH with tools, max pressure for pump down 5808 psi. Max rate for pump down 14.4 bpm. Total bbls pumped 493.12 bbls. POOH with guns.
08:30	11:00	Comment Frac Stage #9 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 905 psi perf friction, 356 psi NWB as per FracPro. Good job with no issues, placed completely. Ball Seat Stage Pressures and Rate: 5660 psi @ 15.3 bpm , 5470 psi Pressure before Seating , 5675 psi Pressure after Seating. WG-36-4.7% (83.5) , BC-200-2.1% (3.1) , FE-2A-4.8% (1.1) , MO-67-2.5% (1.3) , FDP-M1075-12-3.9% (2.5) Vicon NF-4.3% (7.8) , Losurf 300D-4.6% (5.9) BE-9-4.3% (1.7)
11:00	13:30	Comment Stage #10 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5725 psi, 250 fpm, 985 LT, pumped guns to 16,678'. Pulled up and got line tension and set plug. LT prior to setting plug 2045, LT after plug set 1710. Set plug at 16,700'. Plug set time 60 sec. POOH and perforated at 16,666'- 669', 16,505'- 507', 16,448'- 450'. POOH with tools, max pressure for pump down 5727 psi. Max rate for pump down 14.2 bpm. Total bbls pumped 419.81 bbls. POOH with guns.
13:30	14:00	Comment Weatherford Grease Frac stack
14:00	16:30	Comment Frac Stage #10 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 997 psi perf friction, 466 psi NWB as per FracPro. Trouble lining out viscosity from Growler, had to make several adjust the LA rate to blender due to high visc. Pressure slowly increasing with 3.0ppg Sand on bottom and continued to end of job. On flush pressure continued to have slow increase but were able to flush well completely. No other issues able to, place job completely. Ball Seat Stage Pressures and Rate: 5710 psi @ 15.1 bpm , 5515 psi Pressure before Seating , 5735 psi Pressure after Seating . WG-36-4.8% (85.1) , BC-200-2.2% (3.2) , MO-67-3.2% (1.7) , FDP-M1075-12-3.5% (2.2) Losurf 300D-4.5% (5.6) BE-9-3.5% (1.3)
16:30	19:00	Comment Stage #11 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 6100 psi, 250 fpm, 910 LT, pumped guns to 16,379'. Pulled up and got line tension and set plug. LT prior to setting plug 1719, LT after plug set 1462. Set plug at 16,400'. Plug set time 52 sec. POOH and perforated at 16,356'- 359', 16,230'- 232', 16,135'- 137'. POOH with tools, max pressure for pump down 6133 psi. Max rate for pump down 14.2 bpm. Total bbls pumped 426.71 bbls. POOH with guns.
19:00	20:30	Comment We just finished up our PJSM and we are shut down due to the wind gusts are between 43-50mph holding steady around 35-37 mph. So, FTS wireline cannot come off the well with the lubricator. FTS is checking the wind with their wind gauge every 15 minutes.
20:30	21:30	Comment Frac stg #11. Got to 2 pound sand before we had to flush the well in 2 pound sand due to the Gel DA on the growler seized up. Halliburton will get the growler swapped out and get back in to stg 11. We only got 41k of the sand placed so far.
21:30	23:00	Comment Swapping out Grolwer due to seized up gel DA. Halliburton ended up fixing the growler.



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time 23:00	End Time 00:00	Comment Finish the frac on stg #11. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 963 psi perf friction, 229 psi NWB as per FracPro. 3. The gel additive auger seized during 2#. Cut the screws and flushed the well.4. Restarted the job with 4# max design with 86,000 lbs of 30/50. Pressure was ~1,200 psi higher after restarting. 5. Remainder of stage treated well and was able to successfully place the reduced design. Ball Seat Stage Pressures and Rate: 5406 psi @ 15.1 bpm , 5260 psi Pressure before Seating , 5406 psi Pressure after Seating. WG-36-4.7% (115.6) , BC-200-3.4% (6.6) , FE-2A-4.3% (1.5) , MO-67-2.3% (1.7) , FDP-M1075-12-4.1% (3.4) Losurf 300D-4.4% (7.2) Cat 3/4-4.4% (2.2) , BE-9-3.2% (1.6)
Report Start Date 3/29/2015	Report End Date 3/30/2015	24hr Activity Summary Frac'ed stages 12,13,14,15 & 16. Perfed stages 12,13,14,15,16 & 17
Start Time 00:00	End Time 02:30	Comment Stage #12 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 6642 psi, 230 fpm, 830 LT, pumped guns to 16,143'. Pulled up and got line tension and set plug. LT prior to setting plug 1748, LT after plug set 1500. Set plug at 16,100'. Plug set time 50 sec. POOH and perforated at 16,051'- 054', 15,951'- 953', 15,828'- 830'. POOH with tools, max pressure for pump down 6642 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 389.7 bbls. POOH with guns.
Start Time 02:30	End Time 04:00	Comment Frac stg #12. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open. 1077 psi perf friction, 162 psi NWB as per FracPro. 3. Stage treated well. Ball Seat Stage Pressures and Rate: 5491 psi @ 15.1 bpm , 5381 psi Pressure before Seating , 5491 psi Pressure after Seating. WG-36-3.8% (62.4) , BC-200-2.1% (2.8) , FE-2A-4.2% (1.1) , MO-67-2.9% (1.4) , FDP-M1075-12-3.5% (2.1) Vicon NF-3.8% (6.4) , Losurf 300D-4.3% (5.1) BE-9-4% (1.4)
Start Time 04:00	End Time 06:30	Comment Stage #13 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5353 psi, 238 fpm, 1005 LT, pumped guns to 15,888'. Pulled up and got line tension and set plug. LT prior to setting plug 1602, LT after plug set 1387. Set plug at 15,774'. Plug set time 42 sec. POOH and perforated at 15,748'- 751', 15,627'- 629', 15,519'- 521'. POOH with tools, max pressure for pump down 5357 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 360 bbls. POOH with guns.
Start Time 06:30	End Time 09:00	Comment Stage #13 frac Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 13 holes open, 2029 psi perf friction, 485 psi NWB as per FracPro. Saw higher pressure on BD than previous stages, but saw good clean up during Pad stage. Overall good job with no issues. placed completely. Ball Seat Stage Pressures and Rate: 5715 psi @ 15.2 bpm , 5425 psi Pressure before Seating , 5745 psi Pressure after Seating. BC-200-4.3% (5.8) , FE-2A-4.2% (1) , MO-67-3.4% (1.7) , FDP-M1075-12-4.1% (2.4) Vicon NF-5% (8.3) , Losurf 300D-4.4% (5.2) Cat 3/4-4.6% (1.5) , BE-9-3.3% (1.2)
Start Time 09:00	End Time 11:00	Comment Stage #14 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5523 psi, 250 fpm, 984 LT, pumped guns to 15,434'. Pulled up and got line tension and set plug. LT prior to setting plug 1800, LT after plug set 1430. Set plug at 15,420.5'. Plug set time 49 sec. POOH and perforated at 15,370'- 373', 15,258'- 260', 15,209'- 211'. POOH with tools, max pressure for pump down 5556 psi. Max rate for pump down 14.2 bpm. Total bbls pumped 332.15 bbls. POOH with guns.

Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Sundry Number: 63031 API Well Number: 43013522710000

Start Time	11:00	End Time	13:30	Comment
				Stage #14 Frac Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 19 holes open, 1304 psi perf friction, 380 psi NWB as per FracPro. Lost rate in 1.0ppg 100Mesh stg, pump jacking, made rate up with rest of pumps. Had Vicon come off briefly in the 4.0ppg sand stg, sucked tote dry, able to get back during stage. Went long on sand, had more prop in compartment than anticipated. No other issues, able to place job completely. Ball Seat Stage Pressures and Rate: 5720 psi @ 15.1 bpm, 5265 psi Pressure before Seating, 5725 psi Pressure after Seating. WG-36-4.5% (76.5), BC-200-4.1% (5.6), MO-67-3.6% (1.8), FDP-M1075-12-4.1% (2.4) Vicon NF-4.5% (7.5), Losurf 300D-4.6% (5.3) BE-9-4.6% (1.6)
Start Time	13:30	End Time	15:30	Comment
				Stage #15 P&P RIH with guns and plug to KOP. pumped down guns at 14bpm and 5279 psi, 250 fpm, 975 LT, pumped guns to 15,140'. Pulled up and got line tension and set plug. LT prior to setting plug 1650, LT after plug set 1300. Set plug at 15,160'. Plug set time 33 sec. POOH and perforated at 15,104'- 107', 14,991'- 993', 14,942'- 944'. POOH with tools, max pressure for pump down 5281 psi. Max rate for pump down 14.2 bpm. Total bbls pumped 286.63 bbls. POOH with guns.
Start Time	15:30	End Time	16:00	Comment
				Weatherford Grease Frac stack
Start Time	16:00	End Time	18:00	Comment
				Stage #15 Frac. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 20 holes open, 965 psi perf friction, 497 psi NWB as per FracPro. 3. Good job with no issues, pumped to completion. Ball Seat Stage Pressures and Rate: 5860 psi @ 15.4 bpm, 5310 psi Pressure before Seating, 5890 psi Pressure after Seating. WG-36-4.3% (71.5), BC-200-2.3% (3.1), MO-67-4.4% (2.2), Vicon NF-2.1% (3.5), Losurf 300D-3.8% (4.3)
Start Time	18:00	End Time	20:00	Comment
				: Stage #16 P&P RIH with guns and plug to KOP. pumped down guns at 14.2bpm and 5255 psi, 259 fpm, 1000 LT, pumped guns to 14,765'. Pulled up and got line tension and set plug. LT prior to setting plug 1500, LT after plug set 1253. Set plug at 14,754'. Plug set time 58 sec. POOH and perforated at 14,722'- 725', 14,657'- 659', 14,600'- 602'. POOH with tools, max pressure for pump down 5570 psi. Max rate for pump down 14.2 bpm. Total bbls pumped 312 bbls. POOH with guns.
Start Time	20:00	End Time	21:30	Comment
				Frac stg #16. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 810 psi perf friction, 294 psi NWB as per FracPro. 3. Stage treated well with all proppant placed. Ball Seat Stage Pressures and Rate: 5189 psi @ 15.1 bpm, 4991 psi Pressure before Seating, 5189 psi Pressure after Seating. WG-36-4.3% (70.2), BC-200-3.3% (4.4), MO-67-2.6% (1.3), FDP-M1075-12-4.4% (2.4) Vicon NF-4.2% (6.8), Losurf 300D-4.8% (5.2)
Start Time	21:30	End Time	00:00	Comment
				Stage #17 P&P RIH with guns and plug to KOP. pumped down guns at 14.1bpm and 5160 psi, 260 fpm, 980 LT, pumped guns to 14,566'. Pulled up and got line tension and set plug. LT prior to setting plug 1530, LT after plug set 1290. Set plug at 14,544'. Plug set time 48 sec. POOH and perforated at 14,518'- 521', 14,424'- 426', 14,299'- 301'. POOH with tools, max pressure for pump down 5624 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 295 bbls. POOH with guns
Report Start Date	3/30/2015	Report End Date	3/31/2015	24hr Activity Summary
				Frac'd stages 17,18,19,20,22 & 23 - . Perfed stages 18,19,20,21,22,23 & 24
Start Time	00:00	End Time	01:30	Comment
				Frac stg. #17. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 877 psi perf friction, 209 psi NWB as per FracPro. 3. Treated well with all proppant placed. Ball Seat Stage Pressures and Rate: 5333 psi @ 15.1 bpm, 5098 psi Pressure before Seating, 5333 psi Pressure after Seating. WG-36-4% (65.3), BC-200-4% (5.3), MO-67-3.8% (1.8), FDP-M1075-12-2.1% (1.1) Vicon NF-4.3% (7), Losurf 300D-3.9% (4.3) BE-9-4.6% (1.5)



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time	End Time	Comment
01:30	03:00	Stage #18 P&P RIH with guns and plug to KOP. pumped down guns at 14.1bpm and 5105 psi, 273 fpm, 1050 LT, pumped guns to 14,255'. Pulled up and got line tension and set plug. LT prior to setting plug 1475, LT after plug set 1275. Set plug at 14,252'. Plug set time 28 sec. POOH and perforated at 14,222'- 225', 14,097'- 099', 13,998'- 14,000'. POOH with tools, max pressure for pump down 5442 psi. Max rate for pump down 14.2 bpm. Total bbls pumped 274.7 bbls. POOH with guns.
03:00	05:00	Frac stg #18. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 861 psi perf friction, 340 psi NWB as per FracPro. 3. Treated well with all proppant placed. Ball Seat Stage Pressures and Rate: 5384 psi @ 15.1 bpm, 5114 psi Pressure before Seating, 5384 psi Pressure after Seating. WG-36-4.7% (77.1), BC-200-3.1% (4.1), MO-67-2.2% (1.1), FDP-M1075-12-4.3% (2.3) Vicon NF-4.1% (6.6), Losurf 300D-4.3% (4.6)
05:00	06:30	Stage #19 P&P RIH with guns and plug to KOP. pumped down guns at 14.1bpm and 5319 psi, 257 fpm, 1003 LT, pumped guns to 13,970'. Pulled up and got line tension and set plug. LT prior to setting plug 1380, LT after plug set 1208. Set plug at 13,950'. Plug set time 60 sec. POOH and perforated at 13,917'- 920', 13,813'- 815', 13,695'- 697'. POOH with tools, max pressure for pump down 5871 psi. Max rate for pump down 14.2 bpm. Total bbls pumped 270 bbls. POOH with guns
06:30	08:30	Stage #19 Frac Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 776 psi perf friction, 457 psi NWB as per FracPro. Pressure increased through out 6ppg sand stage but lined out during flush, able to flush well with no issues. Ran additional prop, had more prop in compartment than expected. No other issues overall good job, placed completely. Ball Seat Stage Pressures and Rate: 5505 psi @ 14.9 bpm, 5165 psi Pressure before Seating, 5510 psi Pressure after Seating. WG-36-4.6% (76.7), BC-200-4.6% (6.1), MO-67-3.6% (1.8), Vicon NF-4.6% (7.7), Losurf 300D-4.6% (5) Cat 3/4-4.4% (1.5), BE-9-3.1% (1)
08:30	10:00	Stage #20 P&P RIH with guns and plug to KOP. pumped down guns at 14.1bpm and 5556 psi, 257 fpm, 980 LT, pumped guns to 13,661'. Pulled up and got line tension and set plug. LT prior to setting plug 1557, LT after plug set 1320. Set plug at 13,650'. Plug set time 39 sec. POOH and perforated at 13,609'- 612', 13,519'- 521', 13,392'- 394'. POOH with tools, max pressure for pump down 5767 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 235.69 bbls. POOH with guns
10:00	10:30	Weatherford Grease Frac stack
10:30	12:30	Frac Stage #20 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 819 psi perf friction, 497 psi NWB as per FracPro. Good job with no issues, pumped to completion. Ball Seat Stage Pressures and Rate: 5595 psi @ 14.9 bpm, 5275 psi Pressure before Seating, 5610 psi Pressure after Seating. WG-36-4.3% (69.7), BC-200-4.7% (6.2), MO-67-4.9% (2.3), FDP-M1075-12-3.6% (1.9) Vicon NF-4.2% (6.9), Losurf 300D-3.9% (4.2)
12:30	14:00	Stage #21 P&P RIH with guns and plug to KOP. pumped down guns at 14.1bpm and 5343 psi, 250 fpm, 989 LT, pumped guns to 13,346'. Pulled up and got line tension and set plug. LT prior to setting plug 1595, LT after plug set 1264. Set plug at 13,360'. Plug set time 49 sec. POOH and perforated at 13,311'- 314', 13,228'- 230', 13,120'- 122'. POOH with tools, max pressure for pump down 5344 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 201.94 bbls. POOH with guns



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Sundry Number : 63031 API Well Number : 43013522710000

Start Time 14:00	End Time 16:00	Comment Frac Stage #21 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 958 psi perf friction, 365 psi NWB as per FracPro. Good job with no issues, placed job completely. Ball Seat Stage Pressures and Rate: 5475 psi @ 14.8 bpm , 5330 psi Pressure before Seating , 5495 psi Pressure after Seating. WG-36-4.6% (76.1) , BC-200-4.7% (6.1) , FDP-M1075-12-3.5% (1.8) Vicon NF-4.6% (7.4) , Losurf 300D-4.4% (4.6)
Start Time 16:00	End Time 17:30	Comment Stage #22 P&P RIH with guns and plug to KOP. pumped down guns at 12.1bpm and 5145 psi, 250 fpm, 845 LT, pumped guns to 13,048'. Pulled up and got line tension and set plug. LT prior to setting plug 1612, LT after plug set 1310. Set plug at 13,064'. Plug set time 43 sec. POOH and perforated at 13,002'- 005', 12,852'- 854', 12,723'- 725'. POOH with tools, max pressure for pump down 5563 psi. Max rate for pump down 12.1 bpm. Total bbls pumped 174.77 bbls. POOH with guns
Start Time 17:30	End Time 19:30	Comment Stage #22 frac. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 844 psi perf friction, 332 psi NWB as per FracPro. 3. Pressure turned up with 3# on formation. Cut the sand at the movers and went to flush when belt and hopper cleaned up. 4. Well was successfully flushed without dropping rate. Ball Seat Stage Pressures and Rate: 5430 psi @ 15.2 bpm , 5150 psi Pressure before Seating , 5400 psi Pressure after Seating. WG-36-3.9% (56.2) , BC-200-3.7% (4.3) , FDP-M1075 -12-2.6% (1.2) Vicon NF-2.3% (3.3) , Losurf 300D-3.7% (3.5) Cat 3/4-3.7% (1.1) ,
Start Time 19:30	End Time 21:00	Comment Stage #23 P&P RIH with guns and plug to KOP. pumped down guns at 14.1bpm and 5692 psi, 270 fpm, 973 LT, pumped guns to 12,704'. Pulled up and got line tension and set plug. LT prior to setting plug 1490, LT after plug set 1230. Set plug at 12,690'. Plug set time 51 sec. POOH and perforated at 12,638'- 641', 12,561'- 563', 12,514'- 516'. POOH with tools, max pressure for pump down 5755 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 197.4 bbls. POOH with guns.
Start Time 21:00	End Time 22:30	Comment Frac stg #23. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 727 psi perf friction, 504 psi NWB as per FracPro.3. Had an unusual pressure bump just after starting 100 mesh.4. Pressure began rising with 3# on formation similar to the previous stage. Dropped rate and observed pressure trend. 5. Pressure continued to climb. Cut prop at the movers, cleared the belt and hopper before going to flush. 6. Successfully flushed the well @ ~36 bpm. WG-36-4.4% (64.6) , BC-200-3.6% (4.2) , MO-67-3.3% (1) , FDP-M1075-12-3.2% (1.5) Losurf 300D-4.3% (4) Cat 3/4-3.6% (1.1) ,
Start Time 22:30	End Time 00:00	Comment Stage #24 P&P RIH with guns and plug to KOP. pumped down guns at 14.1bpm and 5665 psi, 273 fpm, 847 LT, pumped guns to 12,476'. Pulled up and got line tension and set plug. LT prior to setting plug 1470, LT after plug set 1150. Set plug at 12,476'. Plug set time 50 sec. POOH and perforated at 12,422'- 425', 12,313'- 315', 12,267'- 269'. POOH with tools, max pressure for pump down 5705 psi. Max rate for pump down 14.1 bpm. Total bbls pumped 1181.3 bbls. POOH with guns.
Report Start Date 3/31/2015	Report End Date 4/1/2015	24hr Activity Summary Frac'ed stages 24,25,26,27,28,29 & 30 - . Perf'ed stages 25,26,27,28,29 & 30
Start Time 00:00	End Time 02:00	Comment Frac stg #24 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 19 holes open, 858 psi perf friction, 446 psi NWB as per FracPro. 3. Pumped at 35 bpm based on pressure trends observed in previous 2 stages. 4. Treated well with all proppant placed. Ball Seat Stage Pressures and Rate: 5988 psi @ 15 bpm , 5387 psi Pressure before Seating , 5988 psi Pressure after Seating. WG-36-3.8% (62.5) , BC-200-3.7% (4.8) , MO-67-3.3% (1.2) , FDP-M1075-12-3% (1.5) Vicon NF-3.6% (5.6) , Losurf 300D-4.1% (4.1)



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time 02:00	End Time 04:00	Comment Stage #25 P&P RIH with guns and plug to KOP. pumped down guns at 13.2bpm and 5090 psi, 214 fpm, 1050 LT, pumped guns to 12,192'. Pulled up and got line tension and set plug. LT prior to setting plug 1388, LT after plug set 1130. Set plug at 12,180'. Plug set time 32 sec. POOH and perforated at 12,083'- 086', 11,970'- 972', 11,875'- 877'. POOH with tools, max pressure for pump down 5560 psi. Max rate for pump down 13.2 bpm. Total bbls pumped 169.3 bbls. POOH with guns.
Start Time 04:00	End Time 06:00	Comment Frac stg #25. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 913 psi perf friction, 334 psi NWB as per FracPro.3. Pressure began to rise with 4# on formation. Dropped rate and pressure continued to rise more slowly as sand cleaned up. 4. Well was successfully flushed with all proppant placed. Ball Seat Stage Pressures and Rate: 5546 psi @ 14.9 bpm , 5206 psi Pressure before Seating , 5546 psi Pressure after Seating. WG-36-4.3% (69.9) , BC-200-3.6% (4.7) , MO-67-3.2% (1.2) , FDP-M1075-12-4.1% (2) Vicon NF-4.7% (7.4) , BE-9-4.7% (1.4)
Start Time 06:00	End Time 07:30	Comment Stage #26 P&P RIH with guns and plug to KOP. pumped down guns at 13.2bpm and 5860 psi, 286 fpm, 835 LT, pumped guns to 11,856'. Pulled up and got line tension and set plug. LT prior to setting plug 1352, LT after plug set 1098. Set plug at 11,836'. Plug set time 24 sec. POOH and perforated at 11,775'- 778', 11,682'- 684', 11,556'- 558'. POOH with tools, max pressure for pump down 6209 psi. Max rate for pump down 13.2 bpm. Total bbls pumped 141.1 bbls. POOH with guns.
Start Time 07:30	End Time 09:30	Comment Frac Stag# 26 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 724 psi perf friction, 533 psi NWB as per FracPro. Based on previous jobs reduced rate to 40bpm. Had pressure increase with 4ppg on bottom, reduced rate to 35bpm to try to line out pressure. Pressure continued to climb, cut prop at MM and went to flush. Reduced rate at end of flush to stay under max pressure. Extended flush until pressure turned over to ensure WL could get down. Placed 130,900lbs or 81.8% of designed volume. Ball Seat Stage Pressures and Rate: 5550 psi @ 14.7 bpm , 5150 psi Pressure before Seating , 5575 psi Pressure after Seating. WG-36-4.6% (68.7) , BC-200-2.9% (3.5) , Scalesorb 7-31.4% (23.9) , FDP-M1075-12-4.6% (2.1) Vicon NF-4.8% (7) , Cat 3/4-3.7% (1.1) , BE-9-4% (1.1)
Start Time 09:30	End Time 11:00	Comment Stage #27 P&P RIH with guns and plug to KOP. pumped down guns at 13.2bpm and 6200 psi, 226 fpm, 815 LT, pumped guns to 11,474'. Pulled up and got line tension and set plug. LT prior to setting plug 1324, LT after plug set 1137. Set plug at 11,492'. Plug set time 57 sec. POOH and perforated at 11,469'- 472', 11,340'- 342', 11,246'- 248'. POOH with tools, max pressure for pump down 8047 psi. Max rate for pump down 13.2 bpm. Total bbls pumped 119.62 bbls. POOH with guns.
Start Time 11:00	End Time 11:30	Comment Weatherford Grease Frac Stack
Start Time 11:30	End Time 13:30	Comment FracStage#27 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 606 psi perf friction, 386 psi NWB as per FracPro. Pumped job at 35 bpm based on pressure trends from previous stages. Pressure with flattened out during 5ppg stg, 4.0ppg on bottom, and started a slow increase after staging to 6ppg. Had pump drop rate during flush, rate dropped to 30 bpm. Pressure looked good finished flush at 30 bpm. No other issues, placed job completely. Ball Seat Stage Pressures and Rate: 5385 psi @ 14.7 bpm , 5220 psi Pressure before Seating , 5395 psi Pressure after Seating. WG-36-4.6% (75.1) , BC-200-4% (5.2) , MO-67-2.7% (1.1) , FDP-M1075-12-3.8% (1.8) Vicon NF-4.7% (7.2) , Losurf 300D-3.8% (3.7)



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Sundry Number : 63031 API Well Number : 43013522710000

Start Time			End Time			Comment		
13:30			15:00			Stage #28 P&P RIH with guns and plug to KOP. pumped down guns at 13.2 bpm and 5755 psi, 250 fpm, 820 LT, pumped guns to 11,202'. Pulled up and got line tension and set plug. LT prior to setting plug 1333, LT after plug set 1140. Set plug at 11,202'. Plug set time 55 sec. POOH and perforated at 11,138'- 141', 11,026'- 028', 10,902'- 904'. POOH with tools, max pressure for pump down 5878 psi. Max rate for pump down 13.2 bpm. Total bbls pumped 88.82 bbls. POOH with guns.		
Start Time			End Time			Comment		
15:00			17:00			Frac Stage #28 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 21 holes open, 553 psi perf friction, 412 psi NWB as per FracPro. Pumped job at 35bpm. Pressure flattened with 3ppg on bottom and slowly climbed with 4ppg, extended 5ppg before staging to 6ppg to watch pressure. No other issues, able to place job completely. Ball Seat Stage Pressures and Rate: 5735 psi @ 14.8 bpm , 5245 psi Pressure before Seating , 5775 psi Pressure after Seating. WG-36-4.5% (72.8), BC-200-4% (5.2), MO-67-4% (1.7), FDP-M1075-12-4.1% (1.9) Vicon NF-5% (7.8), Losurf 300D-4.1% (3.8) Cat 3/4-4.4% (1.4),		
Start Time			End Time			Comment		
17:00			18:30			Stage #29 P&P RIH with guns and plug to KOP. pumped down guns at 12.2 bpm and 5935 psi, 250 fpm, 790 LT, pumped guns to 10,850'. Pulled up and got line tension and set plug. LT prior to setting plug 1296, LT after plug set 1091. Set plug at 10,850'. Plug set time 1min13 sec. POOH and perforated at 10,800'- 803', 10,711'- 713', 10,637'- 639'. POOH with tools, max pressure for pump down 5935 psi. Max rate for pump down 12.2 bpm. Total bbls pumped 74.17 bbls. POOH with guns.		
Start Time			End Time			Comment		
18:30			20:30			Frac Stage #29. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 20 holes open, 662 psi perf friction, 439 psi NWB as per FracPro. 3. Pressure leveled off with 4# on formation and rose initially with 5# on formation. 4. Pressure lined out as staged to flush. Well was successfully flushed with all proppant placed. Ball Seat Stage Pressures and Rate: 6340 psi @ 14.9 bpm , 5455 psi Pressure before Seating , 6420 psi Pressure after Seating. WG-36-2.5% (39.3), BC-200-4.4% (5.6), MO-67-4.5% (2.1), FDP-M1075-12-2.7% (1.2) Vicon NF-4.7% (7.1), Losurf 300D-3.8% (3.4). Cat 3/4-3.4% (1.1), BE-9-4.2% (1.1)		
Start Time			End Time			Comment		
20:30			22:00			Stage #30 P&P RIH with guns and plug to KOP. pumped down guns at 13 bpm and 5692 psi, 279 fpm, 820 LT, pumped guns to 10,620'. Pulled up and got line tension and set plug. LT prior to setting plug 1290, LT after plug set 1050. Set plug at 10,610'. Plug set time 47sec. POOH and perforated at 10,552'- 555', 10,401'- 403', 10,345'- 347'. POOH with tools, max pressure for pump down 5742 psi. Max rate for pump down 13.1 bpm. Total bbls pumped 85.57 bbls. POOH with guns.		
Start Time			End Time			Comment		
22:00			00:00			Frac stg #30. 1. Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. 2. Calculated 21 holes open, 693 psi perf friction, 306 psi NWB as per FracPro. 3. Treated well with all proppant placed. 4. Mover compartment emptied up ~5,000 lbs early. Ball Seat Stage Pressures and Rate: 5988 psi @ 15 bpm , 5348 psi Pressure before Seating , 5988 psi Pressure after Seating. WG-36-4.6% (73.6), BC-200-4.4% (5.6), MO-67-4.5% (2.2), FDP-M1075-12-2.9% (1.3) Vicon NF-4.4% (6.6), Losurf 300D-4.9% (4.4) Cat 3/4-3.5% (1.1).		
Report Start Date	Report End Date	24hr Activity Summary						
4/1/2015	4/2/2015	Frac'ed stgs 31,32 & 33. Perfed 32 & 33.						
Start Time			End Time			Comment		
00:00			01:00			Stage #31 P&P RIH with guns and plug to KOP. pumped down guns at 12.5 bpm and 5179 psi, 286 fpm, 911 LT, pumped guns to 10,325'. Pulled up and got line tension and set plug. LT prior to setting plug 1245, LT after plug set 1030. Set plug at 10,315'. Plug set time 69sec. POOH and perforated at 10,257'- 260', 10,169'- 171', 10,064'- 066'. POOH with tools, max pressure for pump down 5179 psi. Max rate for pump down 12.5 bpm. Total bbls pumped 73.2 bbls. POOH with guns		



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time	End Time	Comment
01:00	04:15	Halliburton had trouble off loading gel from the transport to the growler.
Start Time	End Time	Comment
04:15	06:15	Frac stg #31 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 19 holes open, 801 psi perf friction, 225 psi NWB as per FracPro. Had a slow pressure build through the 6 # stage. No issue flushing the well. Ball Seat Stage Pressures and Rate: 6080 psi @ 14.9 bpm , 5305 psi Pressure before Seating , 6080 psi Pressure after Seating. WG-36-8.9% (154.5), BC-200-4% (5.6), CL-31-5.9% (1.2) MO-67-3.7% (1.9), FDP-M1075-12-4.5% (2.1) Vicon NF-4.8% (7.7), Losurf 300D-4% (3.8) Cat 3/4-4.6% (1.6),
Start Time	End Time	Comment
06:15	07:15	Stage #32 P&P RIH with guns and plug to KOP. pumped down guns at 12.2 bpm and 5708 psi, 256 fpm, 872 LT, pumped guns to 10,064'. Pulled up and got line tension and set plug. LT prior to setting plug 1110, LT after plug set 958. Set plug at 9,970'. Plug set time 54 sec. POOH and perforated at 9,913'- 916', 9,828'- 830', 9,743'- 745'. POOH with tools, max pressure for pump down 5708 psi. Max rate for pump down 12.2 bpm. Total bbls pumped 41.07 bbls. POOH with guns
Start Time	End Time	Comment
07:15	09:15	Stage #32 Frac Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 19 holes open, 737 psi perf friction, 368 psi NWB as per FracPro. Trouble lining out BC-200 in 1.0ppg sand stg, thick coming off tote, swapped totes able to get to line out. No other issues, able to place job completely. Ball Seat Stage Pressures and Rate: 5850 psi @ 15.1 bpm , 5975 psi Pressure before Seating , 5865 psi Pressure after Seating. WG-36-4.5% (79.7), BC-200-5% (7), MO-67-3.6% (1.9), FDP-M1075-12-4.4% (2.1) Vicon NF-5% (8.2), Losurf 300D-5% (4.7) Cat 3/4-3.6% (1.3), BE-9-4.4% (1.2)
Start Time	End Time	Comment
09:15	10:15	Stage #33 P&P RIH with guns and plug to KOP. pumped down guns at 12.2 bpm and 4881 psi, 259 fpm, 860 LT, pumped guns to 9660'. Pulled up and got line tension and set plug. LT prior to setting plug 1187, LT after plug set 998. Set plug at 9,677'. Plug set time 46 sec. POOH and perforated at 9,649'- 652', 9,569'- 571', 9,429'- 431'. POOH with tools, max pressure for pump down 4881 psi. Max rate for pump down 12.2 bpm. Total bbls pumped 25.59 bbls. POOH with guns
Start Time	End Time	Comment
10:15	12:15	Stage #33 Global Kick Outs set at 9500 psi. Pressure tested to 10500 psi. Job pumped with Recycled Water. Calculated 19 holes open, 769 psi perf friction, 431 psi NWB as per FracPro. Had BC-200 fluctuate a couple times during job, thick coming off tote, able to get lined out. No other issues able to place job completely. Ball Seat Stage Pressures and Rate: 5735 psi @ 14.9 bpm , 5050 psi Pressure before Seating , 5755 psi Pressure after Seating WG-36-5% (81.9), BC-200-4.5% (5.9), CL-31-6.8% (1.3) MO-67-4.4% (2.2). FDP-M1075-12-4.6% (2) Vicon NF-5% (7.6), Losurf 300D-4.5% (4)
Start Time	End Time	Comment
12:15	15:15	We are currently RD halliburton Frac Equip. Weatherford Is ND Frac stack. Pros Is RD Flow back equip.
Start Time	End Time	Comment
15:15	17:15	NU Prod tree Test Prod tree .
Start Time	End Time	Comment
17:15	00:00	finish MOL.
Report Start Date	Report End Date	24hr Activity Summary
4/2/2015	4/3/2015	
Start Time	End Time	Comment
00:00	06:00	SDFN
Start Time	End Time	Comment
06:00	08:00	SDFN Moved off all tanks on location.



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

[Empty rectangular box]

Start Time	End Time	Comment
08:00	12:00	Prod crew NU prod line and Choke to Tree . POP well @ 10:30 3520 psi ON 10 choke.

[Large empty rectangular area for activity details]

Sundry Number : 63031 API Well Number : 43013522710000

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: DART 13-11-2-3-2WH
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013522710000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0394 FNL 0561 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/14/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

An Artificial Lift System was installed on the above mentioned well. Well began producing to facilities @ 6:30 PM 8/14/2015

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 15, 2015**

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 9/11/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: DART 13-11-2-3-2WH
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013522710000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0394 FNL 0561 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/26/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Form 7"/>

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

As per our conversation with Dustin Doucet, attached find the form 7 for the above mentioned well.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 22, 2016**

NAME (PLEASE PRINT) Heather Calder	PHONE NUMBER 435 646-4936	TITLE Production Technician
SIGNATURE N/A	DATE 1/22/2016	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: DART 13-11-2-3-2WH
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013522710000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0394 FNL 0561 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 03.0S Range: 02.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/17/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Daily Drilling Reports"/>

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

As per our conversation with Dustin Doucet, attached find the Daily Drilling Reports for the above mentioned well.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 22, 2016**

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 1/21/2016	

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Job Category	Job Start Date	Job End Date

Daily Operations		
Report Start Date 11/26/2014	Report End Date 11/27/2014	24hr Activity Summary Set 20" conductor pipe at 87' Pioneer Rig #78 RKB.
Start Time 00:00	End Time 00:00	Comment Pro Petro SM Rig #1 spudded 30" hole on 11/26/2014 and drilled to 87' Pioneer Rig #78 RKB. Set 20", 52.78# (0.250" wall), A53B conductor pipe at 87' Pioneer Rig #78 RKB and cemented to surface with Redi Mix. Kylan Cook notified UDOGM and BLM by e-mail @ 22:00 PM on 11/24/2014 to spud conductor hole on 11/26/2014.
Report Start Date 12/11/2014	Report End Date 12/12/2014	24hr Activity Summary Move rig over (Pad Well) from Nelson 3-14-23-3-2WH. Rig up. Pick up directional BHA. Trip in hole to 87' RKB. All depths and surveys are adjusted to Pioneer Rig #78 RKB.
Start Time 19:30	End Time 23:00	Comment Move rig over (Pad Well) from Nelson 3-14-23-3-2WH. Rig up.
Start Time 23:00	End Time 00:00	Comment Pick up directional BHA. Trip in hole to 87' RKB.
Report Start Date 12/12/2014	Report End Date 12/13/2014	24hr Activity Summary Spud 17 1/2" surface hole. Drill from 87' RKB to 705' RKB. Replace packing and packing housing in top drive. Drill from 705' RKB to 1305' RKB. All depths and surveys are adjusted to Pioneer Rig #78 RKB.
Start Time 00:00	End Time 02:00	Comment Spud 17 1/2" hole @ 00:00 AM on 12/12/2014. Drill from 87' RKB to 142' RKB while picking up directional tools.
Start Time 02:00	End Time 02:30	Comment Check valves in mud pump.
Start Time 02:30	End Time 03:00	Comment Drill from 142' RKB to 232' RKB while picking up directional BHA.
Start Time 03:00	End Time 03:30	Comment Install rotating head rubber.
Start Time 03:30	End Time 07:30	Comment Drill from 232' RKB to 525' RKB while picking up directional BHA.
Start Time 07:30	End Time 08:00	Comment Change rubber size in rotating head.
Start Time 08:00	End Time 10:00	Comment Drill from 525' RKB to 705' RKB. First sign of water flow was while making connection at 645' RKB. Flowing about 1 gallon per minute. Water sample was collected.
Start Time 10:00	End Time 17:00	Comment Replace packing and packing housing in top drive.
Start Time 17:00	End Time 00:00	Comment Drill from 705' RKB to 1305' RKB.
Report Start Date 12/13/2014	Report End Date 12/14/2014	24hr Activity Summary Drill from 1305' RKB to TD @ 1670' RKB. Circulate. Trip out of hole. Run surface casing. Circulate casing on bottom. Weld top cap. All depths and surveys are adjusted to Pioneer Rig #78 RKB.
Start Time 00:00	End Time 01:30	Comment Drill from 1305' RKB to 1365' RKB.

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
01:30			02:00			Change swab in mud pump.		
Start Time			End Time			Comment		
02:00			06:30			Drill from 1365' RKB to 1605' RKB.		
Start Time			End Time			Comment		
06:30			07:30			Mud pump over heating. Add coolant.		
Start Time			End Time			Comment		
07:30			09:00			Drill from 1605' RKB to TD @ 1670' RKB. TD 17 1/2" hole @ 09:00 AM on 12/13/2014.		
Start Time			End Time			Comment		
09:00			11:00			Circulate to trip out of hole for surface casing.		
Start Time			End Time			Comment		
11:00			15:30			Trip out of hole to run surface casing. No tight hole while tripping.		
Start Time			End Time			Comment		
15:30			16:30			Rig up to run surface casing. First sign of water flow was while making connection at 645' RKB. No water flow at the start of running casing.		
Start Time			End Time			Comment		
16:30			21:30			Run 39 joints (1630.90') of 13 3/8", 54.5#, J-55, BT&C casing with Top-Co guide shoe and float collar. 14 centralizers spaced 10' from the shoe, on top of joints #2 & #3 then every 3rd collar to surface. Landed @ 1657.90' RKB, Float Collar @ 1611.71' RKB. Had to wash last 2 joints of casing down.		
Start Time			End Time			Comment		
21:30			22:30			Circulate with casing on bottom.		
Start Time			End Time			Comment		
22:30			00:00			Weld top cap from casing to conductor pipe.		
Report Start Date	Report End Date	24hr Activity Summary						
12/14/2014	12/14/2014	Cement surface casing. Good cement to surface. Wait on cement, clean pits, and rig down. Release rig. All depths and surveys are adjusted to Pioneer Rig #78 RKB.						
Start Time			End Time			Comment		
00:00			00:30			Circulate casing with rig pump. Rig up Pro Petro Cementers.		
Start Time			End Time			Comment		
00:30			02:30			Cement Job: Pumped 10 bbls fresh water & 40 bbls gelled water flush ahead of cement. Lead: Mixed and pumped 540 sacks (228 bbls) of Type V Cement with 16% Gel, 10 #/sk Gilsonite, 2#/sk Gr3, 3% Salt, and 1/4 #/sk Flocele. Mixed cement @ 12.5 ppg with yield of 2.38 cf/sk. Tail: Mixed and pumped 675 sacks (138 bbls) of Premium Class G Cement with 2% CaCl ₂ , and 1/4 #/sk Flocele. Mixed cement @ 15.8 ppg with yield of 1.15 cf/sk. Displaced cement with 245 bbls fresh water. Bumped plug with 1200# @ 02:30 AM on 12/14/2014. Floats held. 90 bbls cement to surface. No flow after landing plug. Shut in well after pumping stopped. Kylan Cook notified UDOGM and BLM of the surface casing & cement job via e-mail on 12/12/2014 @ 12:30 PM.		
Start Time			End Time			Comment		
02:30			11:00			Wait on cement, clean pits, and rig down. Release rig @ 11:00 AM on 12/14/2014.		

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

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Daily Operations		
Report Start Date 12/26/2014	Report End Date 12/27/2014	24hr Activity Summary Finish preparation of location for drilling rig. All depths and surveys are adjusted to Pioneer Rig #78 RKB.
Start Time 00:00	End Time 00:00	Comment 12/22/2014 - Drill Mouse Hole. 12/23/2014 - Install Cellar Ring. 12/23/2014 - Final blade location. 12/24/2014 - Weld on Wellhead. 12/26/2014 - Cement cellar floor up to the top of base plate on wellhead. Location is ready for drilling rig.
Report Start Date 1/3/2015	Report End Date 1/4/2015	24hr Activity Summary Nipple down wellhead, Weld inside bead on A-section, Center rig, Nipple up wellhead and BOPE
Start Time 12:00	End Time 15:00	Comment PJSM with B & C Quick Test, Nipple down B-section
Start Time 15:00	End Time 18:00	Comment PJSM with FMC and Kenweld, Heat wellhead to 350 degrees, Make an inside weld on A-section, Post heat to 400 degrees, Allow to cool
Start Time 18:00	End Time 19:00	Comment Install FMC B-Section on Wellhead and nipple up with B & C Quick Test
Start Time 19:00	End Time 21:00	Comment Center up on Dart 13-11-3-2WH, Rig up Catwalk, Flow Line, and mud lines
Start Time 21:00	End Time 00:00	Comment (Start) Nipple up BOPE
Report Start Date 1/4/2015	Report End Date 1/5/2015	24hr Activity Summary Nipple up BOPE, Pressure test BOPE, Nipple up rotating head and flowline, Install wear bushing, Handle BHA Install Rotating Head, Shallow Test, Test Good, Tighten up flow line union, Pick up drill pipe, Drill Cement F/1,550' to 1,611'
Start Time 00:00	End Time 01:00	Comment Nipple up BOPE, Install accumulator lines and choke line
Start Time 01:00	End Time 01:30	Comment Service rig
Start Time 01:30	End Time 10:00	Comment (Start) Test BOPE/Csg, Held PJSM with B & C Quick Test, Test casing to 1,500 psi for 30 minutes, Function test accumulator, Test all BOP rams and manifold valves to 250 psi low for 5 minutes, 5,000 psi high for 10 minutes, Test chokes to 500 psi for 10 minutes and verify pressure on all manual gauges, Test annular to 250 psi low for 5 minutes, 3,500 psi high for 10 minutes, Test all floor valves to 250 psi low for 5 minutes, 5,000 psi high for 10 minutes, Test mud line back to pumps to 250 psi low for 5 minutes, 4,000 psi high for 5 minutes
Start Time 10:00	End Time 10:30	Comment (Start) Handle BHA/PU Drill Pipe, Install wear bushing
Start Time 10:30	End Time 13:00	Comment Nipple up rotating head and flow line
Start Time 13:00	End Time 13:30	Comment Service rig, Inspect and lubricate top drive, blocks, ST-80, drawworks, catwalk

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
13:30			19:30			<p>PJSM with Weatherford, Make up 12 1/4" Ulterra U616M to 9 5/8" Weatherford Hyperline 6750 6/7:L 5.0:S @ 0.12 rpg 1.5 degree bent mud motor, Pick up BHA as follows bit, motor, muleshoe, tool carrier, NMDC, crossover from 6 5/8" Reg to 4 1/2" IF, (24) HWDP, 6 1/2" Schlumberger Hydra-Jar, (6) HWDP</p> <p>Spud rig foreman, welder, and FMC wellhead tech on location installing wellhead on Nelson 3-14-23-3-2WH at 15:30, Wellhead installed at 18:00</p>		
Start Time			End Time			Comment		
19:30			20:00			Install Rotating Rubber		
Start Time			End Time			Comment		
20:00			20:30			Direectional work Shallow Test MWD Tools, 120 Spm on #1 Pumps 770 PSI 422 GPM Test Good		
Start Time			End Time			Comment		
20:30			21:00			Tighten up Flow Line Unions, Toolpusher Assisted in Lining up BOPE'S on Hard Shut in		
Start Time			End Time			Comment		
21:00			22:30			Trip P/U and M/U Drill Pipe from 1,000' to 1,550' Install Corrosion Ring in first joint drill pipe		
Start Time			End Time			Comment		
22:30			00:00			(Start) Drill shoe track/FIT, Drill out cement from 1,550' to 1,611', Float collar at 1,611', 10 klbs WOB, 636 gpm, 1,250 psi, 50 psi differential, 25 rpm, 2k ft lbs torque		
Report Start Date	Report End Date	24hr Activity Summary						
1/5/2015	1/6/2015	Drill out cement, Drill new formation from 1,670' to 1,680', FIT to 12.0 ppg EMW, Drill 1,827' of 12 1/4" intermediate hole from 1,670' to 3,497' with Weatherford bent motor assembly at 96.15 fph avg						
Start Time			End Time			Comment		
00:00			00:30			Service rig		
Start Time			End Time			Comment		
00:30			02:30			Drill out cement from 1,611' to 1,670', Float collar at 1,611', Shoe at 1,657', Drill new hole from 1,670' to 1,680', 10 klbs WOB, 636 gpm, 1,200 psi, 50 psi differential, 25 rpm, 3k ft lbs torque		
Start Time			End Time			Comment		
02:30			03:30			Circulate hole clean, Ensure consistent 8.7 MW		
Start Time			End Time			Comment		
03:30			04:30			PJSM with B & C Quick Test, Perform FIT to 12.0 ppg EMW with 8.7 MW and 284 psi at 1,670' TVD		
Start Time			End Time			Comment		
04:30			14:00			<p>(Start) Drilling, Drill 1004' of 12 1/4" intermediate hole from 1,670' to 2,674' with Weatherford bent motor assembly at 106 fph avg</p> <p>Drilling in Uinta, 35 klbs WOB, 817 gpm, 2,390 psi, 450 psi differential, 40 rpm, 12k ft lbs torque</p> <p>8.8 ppg MW, no gas, no flare</p> <p>Slides: 1,822' - 1,882', 60', 70M 1,917' - 1,977', 60', 50M 2,012' - 2,052', 40', 70M 2,485' - 2,505', 20', 90L</p> <p>Total slide: 180' in 2 hr Total rotate 824' in 7.5 hr</p>		
Start Time			End Time			Comment		
14:00			14:30			Service rig, Inspect and lubricate top drive, blocks, ST-80, drawworks, catwalk		

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
14:30			00:00			Drill 823' of 12 1/4" intermediate hole from 2,674' to 3,497' with Weatherford bent motor assembly at 87 fph avg Drilling in Uinta, 35 klbs WOB, 817 gpm, 2,370 psi, 450 psi differential, 40 rpm, 13k ft lbs torque 8.8 ppg MW, no gas, no flare Slides: 2,769' - 2,829', 60', 180 GTF 3,053' - 3,103', 50', 200 GTF 3,148' - 3,198', 50', 260 M 3,338' - 3,398', 60', 217 M Total slide: 220' in 4.0 hr Total rotate: 603' in 5.5 hr		
Report Start Date	Report End Date	24hr Activity Summary						
1/6/2015	1/7/2015	Drill 2,136' of 12 1/4" intermediate hole from 3,497' to 5,633' with Weatherford bent motor assembly at 97.0 fph avg. Change out swab in #2 mud pump						
Start Time			End Time			Comment		
00:00			04:00			Drill 408' of 12 1/4" intermediate hole from 3,497' to 3,905' with Weatherford bent motor assembly at 102 fph avg Drilling in Uinta to Green River top at 3,862', 35 klbs WOB, 854 gpm, 2,850 psi, 450 psi differential, 60 rpm, 13k ft lbs torque 9.2 ppg MW, 200u background gas, 800u connection gas, no flare Slides: None Total slide: 0' Total rotate: 408' in 4 hrs		
Start Time			End Time			Comment		
04:00			04:30			Service rig, Inspect and lubricate top drive, drawworks		
Start Time			End Time			Comment		
04:30			10:30			Drill 731' of 12 1/4" intermediate hole from 3,905' to 4,636' with Weatherford bent motor assembly at 122 fph avg Drilling in Green River, 32 klbs WOB, 861 gpm, 3,060 psi, 400 psi differential, 60 rpm, 12k ft lbs torque 9.2 ppg MW, 500u background gas, 3,300u connection gas, no flare Slides: None Total slide: 0' Total rotate: 731' in 6 hrs		
Start Time			End Time			Comment		
10:30			11:30			Repairs to #2 mud pump, Change out swab		

NEWFIELD



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time	11:30	End Time	16:30	Comment
				Drill 407' of 12 1/4" intermediate hole from 4,636' to 5,043' with Weatherford bent motor assembly at 81 fph avg Drilling in Green River, 32 klbs WOB, 861 gpm, 3,040 psi, 400 psi differential, 60 rpm, 13k ft lbs torque 9.2 ppg MW, 400u background gas, 1,800u connection gas, no flare Slides: 4,759'-4,819', 60', 30R Total slide: 60' in 1.5 hrs Total rotate: 347' in 3.5 hrs
Start Time	16:30	End Time	17:00	Comment
				Service rig, Inspect and lubricate top drive, drawworks
Start Time	17:00	End Time	00:00	Comment
				Drill 590' of 12 1/4" intermediate hole from 5,043' to 5,633' with Weatherford bent motor assembly at 84.28 fph avg Drilling in Green River, 32 klbs WOB, 861 gpm, 3,100 psi, 400 psi differential, 60 rpm, 13k ft lbs torque 9.2 ppg MW, 400u background gas, 1,800u connection gas, no flare Slides: None Total Rotate 590' 7 Hrs Total Slides;0
Report Start Date	Report End Date	24hr Activity Summary		
1/7/2015	1/8/2015	Drill 1,094' of 12 1/4" intermediate hole from 5,633' to 6,727' with Weatherford bent motor assembly at 50 fph avg, Change out swab in #2 mud pump		
Start Time	00:00	End Time	05:30	Comment
				Drill 227' of 12 1/4" intermediate hole from 5,633' to 5,860' with Weatherford bent motor assembly at 41 fph avg Drilling in Green River to Mahogany Bench top at 5,798', Trona at 5,758' - wiped three times, 35 klbs WOB, 859 gpm, 3,120 psi, 200 psi differential, 40 rpm, 11k ft lbs torque 9.2 ppg MW, 500u background gas, 3,500u connection gas, no flare Slides: 5,802'-5,852', 50', 45M Total slide: 50' in 2 hrs Total rotate: 177' in 3.5 hrs
Start Time	05:30	End Time	06:00	Comment
				Service rig, Inspect and lubricate drawworks, catwalk

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time	06:00	End Time	11:30	Comment Drill 238' of 12 1/4" intermediate hole from 5,860' to 6,098' with Weatherford bent motor assembly at 43 fph avg Drilling in Mahogany Bench, 25 klbs WOB, 907 gpm, 3,330 psi, 250 psi differential, 55 rpm, 11k ft lbs torque 9.2 ppg MW, 300u background gas, 1,400u connection gas, no flare Slides: None Total slide: 0' Total rotate: 238' in 5.5 hrs
Start Time	11:30	End Time	12:30	Comment Repairs to #2 mud pump, Change out swab
Start Time	12:30	End Time	14:30	Comment Drill 82' of 12 1/4" intermediate hole from 6,098' to 6,180' with Weatherford bent motor assembly at 41 fph avg Drilling in Mahogany Bench, 35 klbs WOB, 907 gpm, 3,460 psi, 250 psi differential, 40 rpm, 12k ft lbs torque 9.2 ppg MW, 300u background gas, 1,900u connection gas, no flare Slides: None Total slide: 0' Total rotate: 82' in 2 hrs
Start Time	14:30	End Time	15:00	Comment Service rig, Inspect and lubricate top drive, drawworks
Start Time	15:00	End Time	00:00	Comment Drill 547' of 12 1/4" intermediate hole from 6,180' to 6,727' with Weatherford bent motor assembly at 60.77 fph avg Drilling in Mahogany Bench to Garden Gulch top at 6,664', 35 klbs WOB, 907 gpm, 3,650 psi, 350 psi differential, 60 rpm, 12k ft lbs torque Raise MW to 9.5 ppg, 1,500u background gas, 3,000u connection gas, no flare Slides: 6,181'- 6,231', 50', 30M Total slide: 50' in 2 hrs Total rotate: 497' in 7 hrs
Report Start Date	1/8/2015	Report End Date	1/9/2015	24hr Activity Summary Drill 1,166' of 12 1/4" intermediate hole from 6,727' to 7,893' with Weatherford bent motor assembly at 53 fph avg, pump high vis sweep, circulate to trip for curve assembly

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
00:00			00:30			Drill 25' of 12 1/4" intermediate hole from 6,727' to 6,752' with Weatherford bent motor assembly at 50 fph avg Drilling in Garden Gulch, 35 klbs WOB, 907 gpm, 3,650 psi, 350 psi differential, 60 rpm, 12k ft lbs torque 9.5 ppg MW, 1,500u background gas, 3,000u connection gas, no flare Slides: None Total slide: 0' Total rotate: 25' in 0.5 hrs		
Start Time			End Time			Comment		
00:30			01:00			Service rig, Inspect and lubricate top drive, drawworks		
Start Time			End Time			Comment		
01:00			15:00			Drill 754' of 12 1/4" intermediate hole from 6,752' to 7,506' with Weatherford bent motor assembly at 54 fph avg Drilling in Garden Gulch, Garden Gulch Member 1 at 6,919', Garden Gulch Member 2 at 7,082', 28 klbs WOB, 907 gpm, 3,840 psi, 250 psi differential, 60 rpm, 12k ft lbs torque 9.5 ppg MW, 300u background gas, 2,300u connection gas, no flare Slides: 7,318'-7,388', 70', 0M Total slide: 70' in 3.5 hrs Total rotate: 684' in 10.5 hrs		
Start Time			End Time			Comment		
15:00			15:30			Service rig, Inspect and lubricate top drive, drawworks		
Start Time			End Time			Comment		
15:30			23:00			Drill 387 of 12 1/4" intermediate hole from 7,506' to 7,893 with Weatherford bent motor assembly at 51.6 fph avg Drilling in Garden Gulch to 7,793', Drilling in Douglas Creek, 28 klbs WOB, 907 gpm, 3,840 psi, 250 psi differential, 60 rpm, 12k ft lbs torque 9.5 ppg MW, 300u background gas, 2,300u connection gas, no flare Slides: None Total slide: 0' Total rotate: 387' in 7.5 hrs		
Start Time			End Time			Comment		
23:00			00:00			Rack one stand back in derrick, Pump high viscosity sweep, Rotate and reciprocate string from 7,792' to 7,887' at 60 rpm, 888 gpm, 3,800 psi		
Report Start Date	Report End Date	24hr Activity Summary						
1/9/2015	1/10/2015	Circulate, Trip for BHA, Handle BHA, 1.5 hrs unplanned troubleshooting MWD tools, shallow test MWD, trip in hole, drill 62 12 1/4' intermediate hole from 7,893' to 7,887' with Weatherford bent motor assembly at 41.3 fph avg.						
Start Time			End Time			Comment		
00:00			01:00			Rotate and reciprocate string from 7,792' to 7,887' at 60 rpm, 888 gpm, 3,800 psi, Check for flow - no flow		
Start Time			End Time			Comment		
01:00			03:00			(Start) Trip out of hole to change BHA, Trip out of hole from 7,887' to 7,569', Pump dry pill, Blow down mud lines, Trip out of hole from 7,569' to 5,800', Monitor well on trip tank		

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

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Start Time	End Time	Comment
03:00	04:00	Wash and ream through Trona from 5,800' to 5,740' with 820 gpm, 3,100 psi, Pump dry pill, Blow down mud lines
04:00	05:30	Trip out of hole from 5,800' to 2,960', Monitor well on trip tank
05:30	06:00	Service rig, Inspect and lubricate top drive, drawworks
06:00	09:00	Trip out of hole from 2,960' to BHA, Monitor well on trip tank
09:00	09:30	Pull rotating rubber
09:30	13:30	Lay down one HWDP, Change out battery in MWD tool, Break bit from motor and lay down used bit and motor, Bit graded 2-4-BT-G-X-I-WT-BHA, Mud motor appeared to be in good repair, Make up 12 1/4" Ulterra U616M to 8 3/4" Weatherford Hyperline 7840 78:L 4.0:S @ 0.16 rpg 2.12 degree bent mud motor, Trip in hole with BHA as follows: bit, motor, muleshoe, tool carrier
13:30	14:00	Service rig, Inspect and lubricate top drive, drawworks
14:00	17:00	(Stop) Unplanned, MWD tools failed surface test, Wait on MWD to troubleshoot tools, Pick up MWD tools and continue to trip in hole with BHA as follows: NMDC, crossover from 6 5/8" Reg to 4 1/2" IF, 1 stand HWDP
17:00	17:30	Install rotating rubber
17:30	18:00	Shallow test directional tools at 264', 338 gpm, 340 psi
18:00	22:30	Trip in hole with Weatherford curve assembly from 265' to 7,893' Fill pipe @ 3,000', 6,000' & 7,790' Wash & ream f/7,790' to 7,893' for precaution
22:30	00:00	(Start) Drilling, Drill 62 of 12 1/4" intermediate hole from 7,893' to 7,955' with Weatherford bent motor assembly at 41.3 fph avg Drilling in Douglas Creek, 20 klbs WOB, 770 gpm, 3,400 psi, 350 psi differential, 20 rpm, 14k ft lbs torque 9.6 ppg MW, 300u background gas, 1,300u connection gas, no flare Bottoms up trip gas 3,550u Slides: None Total slide: 0' Total rotate: 62' in 1.5 hrs
Report Start Date 1/10/2015	Report End Date 1/11/2015	24hr Activity Summary Drill 591' of 12 1/4" intermediate hole from 7,995' to 8546 with Weatherford bent motor assembly at 25.7' fph avg

NEWFIELD



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time	End Time	Comment
00:00	05:30	Drill 113' of 12 1/4" intermediate hole from 7,955' to 8,068' with Weatherford bent motor assembly at 21 fph avg Drilling in Douglas Creek, 25 klbs WOB, 770 gpm, 3,100 psi, 200 psi differential 9.7 ppg MW, 300u background gas, 1,300u connection gas, no flare Slides: 100% slide starting at 7,978' 7,978'-8,068', 90', 0M Total slide: 90' in 5 hrs Total rotate: 23' in 0.5 hrs
05:30	06:00	Comment Service rig, Inspect and lubricate drawworks, ST-80
06:00	17:30	Drill 262' of 12 1/4" intermediate hole from 8,068' to 8,330' with Weatherford bent motor assembly at 23 fph avg Drilling in Douglas Creek, 32 klbs WOB, 770 gpm, 3,200 psi, 200 psi differential 9.7 ppg MW, 300u background gas, 1,500u connection gas, 3,100u gas at 8,226' lag depth, no flare Slides: 8,068'-8,263', 195', 0M 8,263'-8,330', 67', HS to 30L Total slide: 262' in 11.5 hrs Total rotate: 0'
17:30	18:00	Comment Service rig, Inspect and lubricate top drive, drawworks, crown
18:00	00:00	Drill 216' of 12 1/4" intermediate hole from 8,330' to 8,546' with Weatherford bent motor assembly at 36 fph avg Drilling in Douglas Creek to 8,407', drilling B Limestone, 32 klbs WOB, 770 gpm, 3,200 psi, 200 psi differential 10.0 ppg MW, 200u background gas, 1,500u connection gas, no flare Slides: 8,330' to 8,452', 122', TF 30L 8,485' to 8,546', 61', TF 30R Total slide: 183' in 5.5 hrs Total rotate: 33' in .5 hrs
Report Start Date 1/11/2015	Report End Date 1/12/2015	24hr Activity Summary Circulate, Trip for casing, center rig over hole, Run casing

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

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Start Time	00:00	End Time	05:30	Comment (Start) Circulate for 9 5/8 casing Check for flow/no flow, pump high vis sweep & circulate hole clean for 9 5/8 casing Reciprocate pipe from 8,546' to 8,453', 20 rpm, 770 gpm, 3,275 psi Back ground gas climbed to 5375u from lag depth 8,515', falling back to 1200u to 1400u Raising MW from 10.0 ppg to 10.3 ppg Mix dry pill
Start Time	05:30	End Time	06:00	Comment Rig Service- Top Drive and Drawworks
Start Time	06:00	End Time	06:30	Comment Check for flow - no flow, Pump dry pill
Start Time	06:30	End Time	10:00	Comment (Start) Trip for casing, Trip out of hole from 8,546' to BHA, Monitor well on trip tank
Start Time	10:00	End Time	15:30	Comment PJSM with Weatherford, Lay down HWDP and all BHA components
Start Time	15:30	End Time	16:00	Comment Pull wear bushing
Start Time	16:00	End Time	16:30	Comment Service rig, Inspect and lubricate top drive, drawworks
Start Time	16:30	End Time	20:00	Comment (Start) Casing Operations, PJSM with Kimzey Casing Service, Rig up casing crew, Run 4 of 185 jts 9 5/8" 40# N-80 BTC to depth of 173' , Run shoe jt, float & 1 jt, Fill pipe to check floats
Start Time	20:00	End Time	22:00	Comment Casing collar hanging on flow nipple, skid rig to center over hole
Start Time	22:00	End Time	00:00	Comment Run 22 of 185 jts 9 5/8" 40# N-80 BTC to depth of 998', Fill pipe at 815'
Report Start Date	Report End Date	24hr Activity Summary		
1/12/2015	1/13/2015	Run casing, Cement, install pack off, P/U BHA, trip in hole		
Start Time	00:00	End Time	05:30	Comment Run 132 of 185 jts 9 5/8" 40# N-80 BTC to depth of 6,059', Fill pipe at 2,270', 4,000' and 6,059'
Start Time	05:30	End Time	06:00	Comment Rig Service-Grease and check fluids in top drive and drawworks
Start Time	06:00	End Time	11:30	Comment Run 185 jts and one pup 9 5/8" 40# N-80 BTC to 8,503', Pick up landing joint, running tool, and casing hanger, Land casing at set depth of 8,537', Fill pipe at 7,970'
Start Time	11:30	End Time	13:00	Comment Rig down casing crew, Circulate bottoms up, 337 gpm, 110 psi 10.3 ppg MW, 3,600u trip gas, 5' flare

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time	13:00	End Time	18:00	Comment (Start) Cementing operations, PJSM with Halliburton, Rig down CRT, Rig up cement head, Pressure test lines to 5,000 psi at 13:31 Pump cement as follows: 13:40 - 40 bbl 11.5 ppg Tuned Spacer III at 5 bpm 13:48 - 35 bbl 12.5 ppg 1st Lead at 6 bpm, 100 sx at 1.96 yld 13:55 - 394 bbl 12.5 ppg 2nd Lead at 6 bpm, 1,130 sx at 1.96 yld 14:59 - 128 bbl 14.0 ppg Tail at 6 bpm, 555 sx at 1.29 yld 15:21 - Drop plug and pump 230 of 644 bbl 8.4 ppg fresh water at 8 bpm 15:50 - Catch pressure, Pump 630 of 644 bbl 8.4 ppg fresh water at 6 bpm 17:00 - Pump final 5 bbl of 635 bbl 8.4 ppg fresh water at 3 bpm, Bumped 9 bbl early according to displacement tanks 17:05 - FCP = 2,700 psi, Bump plug to 3,200 psi, Hold pressure for 3 min 17:08 - Check floats, Floats held with # bbl back to inventory tanks PJSM with Halliburton cementers on rigging down, Rig down and release cementers
Start Time	18:00	End Time	21:00	Comment (Start) NU Wellhead, PJSM with FMC, Lay down landing joint, Wash-up top of casing hanger, Install pack-off, Test Pack-Off to 5,000 PSI for 15 min. held ok
Start Time	21:00	End Time	21:30	Comment Install wear bushing
Start Time	21:30	End Time	22:00	Comment Blow down mud line and choke to prevent freezing
Start Time	22:00	End Time	23:00	Comment P/U mud motor and dial down from 1.66 deg to 0 deg, M/U bit, 1 jt HWDP and drill and ream
Start Time	23:00	End Time	23:30	Comment (Start) Trip in hole from 73' to 547' Transfer OBM to mud tanks, treat mud and process with Clean Harbers
Start Time	23:30	End Time	00:00	Comment Install rotating head rubber
Report Start Date	1/13/2015	Report End Date	1/14/2015	24hr Activity Summary Trip in hole with drill-out assembly, Condition mud, Displace hole with OBM, Condition mud, Trip to inspect BHA for pressure restrictions
Start Time	00:00	End Time	05:30	Comment Trip in hole from 547' to 7,557' Pick up singles from 7,557' tag up at 8,496' Transfer OBM to mud tanks, treat mud and process with Clean Harbers
Start Time	05:30	End Time	06:00	Comment Rig Service-Grease and check fluids in top drive and drawworks
Start Time	06:00	End Time	09:30	Comment Condition mud to displace hole with OBM
Start Time	09:30	End Time	15:00	Comment Displace hole with OBM, Shut in well and circulate through choke and gas buster, Theoretical pressure of 1,600 psi at 70 gpm, Actual pressure of 4,500 psi at 70 gpm, 4 hrs to displace at slower pump rate, Check for flow and open well after displacement, Troubleshoot surface equipment for possible pressure restrictions
Start Time	15:00	End Time	17:30	Comment Circulate and condition mud starting at 70 gpm and working up to 100 gpm, 4,500 psi and slowly falling

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time		Comment
17:30			18:00		Service rig, Inspect and lubricate top drive, drawworks
Start Time			End Time		Comment
18:00			00:00		Trip wet to inspect BHA for pressure restrictions from 8,496' to 933'
Report Start Date	Report End Date	24hr Activity Summary			
1/14/2015	1/15/2015	Trip out to inspect BHA, bit plugged with cement, C/O motor and bit, trip in hole, Drill out cement, FIT, Drill 8 3/4" curve from 8,546' to 8,612' with drill-out assembly, Condition mud to 12.0 ppg, trip out for RSS			
Start Time			End Time		Comment
00:00			01:30		Trip wet to inspect BHA for pressure restrictions from 933' to 72'
Start Time			End Time		Comment
01:30			02:30		Inspect BHA for pressure restriction and found bit and mud motor bit box to be plugged with cement, lay down mud motor, pick up new mud motor and bit, install rotating rubber, shallow test mud motor (good)
Start Time			End Time		Comment
02:30			03:00		Install rotating rubber
Start Time			End Time		Comment
03:00			05:30		Trip in hole to 7,465', fill pipe every 3000'
Start Time			End Time		Comment
05:30			06:00		Rig Service-check fluids in top drive and drawworks
Start Time			End Time		Comment
06:00			07:30		Trip in hole from 7,465' to 8,320', Wash from 8,320' and tag cement at 8,496'
Start Time			End Time		Comment
07:30			08:30		PJSM with B & C Quick Test, Pressure test 9 5/8" casing to 1,880 psi for 30 minutes, Tested good
Start Time			End Time		Comment
08:30			10:00		(Start) Drill shoe track/FIT, Drill out cement from 8,496' to 8,546', Top of float collar at 8,499', Top of float shoe at 8,535', Drill 10' new formation from 8,546' to 8,556'
Start Time			End Time		Comment
10:00			11:30		Attempt to perform FIT to EMW of 16.5 ppg with 11.0 ppg MW and 2,440 psi at 8,515' TVD, Leaked off at 2,200 psi (15.9 EMW) and held at 1,980 psi (15.4 EMW)
Start Time			End Time		Comment
11:30			12:30		(Start) Drilling, Drill 56' of 8 3/4" curve from 8,556' to 8,612' with drill-out assembly at 56 fph avg 15 klbs WOB, 422 gpm, 2,200 psi, 300 differential, 50 rpm, 8k ft lbs torque Increasing from 11.0 to 12.0 ppg MW, 100u background gas, no flare
Start Time			End Time		Comment
12:30			13:00		Service rig, Inspect and lubricate top drive, drawworks
Start Time			End Time		Comment
13:00			14:00		Circulate and condition mud for FIT
Start Time			End Time		Comment
14:00			23:00		Circulate and condition mud to 12.0 ppg MW Mix slug, check flow/no flow, pump slug Blow down mud line
Start Time			End Time		Comment
23:00			00:00		(Start) Trip out of hole to pick up Weatherford RSS curve/lateral drilling assembly from 8,612' to 7,221'
Report Start Date	Report End Date	24hr Activity Summary			
1/15/2015	1/16/2015	Trip out of hole, pick up RSS assembly, Shallow Test, Trip in hole to 8467', Cut Drl Line, Wash & Ream from 8467' to 8612', drill 339' 8 2/4 curve from 8,612 to 8,951', 37.66 fph avg			

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time	00:00	End Time	02:30	Comment
				Trip out of hole to pick up Weatherford RSS curve/lateral drilling assembly from 7,222' to 75' Lay down 1 jt 5" DP
Start Time	02:30	End Time	03:00	Comment
				Pull rotating rubber
Start Time	03:00	End Time	05:30	Comment
				(Start) Handle BHA-Lay down BHA, pick up Weatherford RSS curve/lateral assembly as follows; Bit, RSS, HEL/BAP/HAGR, Stabilizer, NMDC and Tomax
Start Time	05:30	End Time	06:30	Comment
				Program directional tools
Start Time	06:30	End Time	07:00	Comment
				(Start) ... Trip in hole from 127' to 1170'
Start Time	07:00	End Time	07:30	Comment
				Install Head Rubber
Start Time	07:30	End Time	08:00	Comment
				Test MWD Tools
Start Time	08:00	End Time	11:30	Comment
				Trip in hole from 1170' to 8467'
Start Time	11:30	End Time	12:30	Comment
				Slip and Cut Drilling Line 180'
Start Time	12:30	End Time	13:00	Comment
				Rig Service
Start Time	13:00	End Time	15:00	Comment
				Wash & Ream from 8467' to 8612'
Start Time	15:00	End Time	00:00	Comment
				(Start) Drill curve, Drill 339' 8 3/4" curve from 8,612' to 8,951' with Weatherford RSS assembly at 37.66 fph avg, TDI mostly 5, some 1 and 7 Drilling in Castle Peak Limestone to 8,824', CP Limes to 8,855', 22 klbs WOB, 425 gpm, 1,860 psi, 150 rpm, 12k ft lbs torque 13.3 ppg MW, 250 U. background gas, 1,700 U. max at 8,620' lag depth, no flare
Report Start Date	Report End Date	24hr Activity Summary		
1/16/2015	1/17/2015	Drill 8 3/4 curve from 8,951' to 9,465' 514' @ 33.2 fph, Drill 8 3/4 lateral from 9,465' to 9,728, 263' @ 35 fph		
Start Time	00:00	End Time	03:00	Comment
				(Start) Drill curve, Drill 83' 8 3/4" curve from 8,951' to 9,034' with Weatherford RSS assembly at 27.66 fph avg, TDI mostly 5, some 1 and 7 Drilling in the CP Limes 2, 22 klbs WOB, 493 gpm, 2,300 psi, 160 rpm, 12k ft lbs torque 13.3 ppg MW, 250 U. background gas, no flare
Start Time	03:00	End Time	03:30	Comment
				Rig Service- grease and check fluids in top drive and drawworks
Start Time	03:30	End Time	14:30	Comment
				(Start) Drill curve, Drill 380' 8 3/4" curve from 9,034' to 9,414' with Weatherford RSS assembly at 34.5 fph avg, TDI mostly 5, 25-30 klbs WOB, 425 gpm, 2,250 psi, 130 rpm, 15k ft lbs torque 14.0 ppg MW, 500 - 1500 Units background gas, no flare

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Report Start Date 1/17/2015			Report End Date 1/18/2015			24hr Activity Summary , Drill 8 3/4 lateral from 9,728' to 10,376', 648' @ 29 fph		
Start Time	14:30	End Time	15:00	Comment Rig Service				
Start Time	15:00	End Time	16:30	Comment (Start) Drill curve, Drill 51' 8 3/4" curve from 9,414' to 9,465' with Weatherford RSS assembly at 34 fph avg, TDI mostly 5, 25-30 klbs WOB, 425 gpm, 2,250 psi, 130 rpm, 15k ft lbs torque 14.0 ppg MW, 500 - 1500 Units background gas, no flare				
Start Time	16:30	End Time	00:00	Comment (Start) Drill lateral, Drill 263' 8 3/4" lateral from 9,465' to 9,728' with Weatherford RSS assembly at 35 fph avg, TDI mostly 5, 25-30 klbs WOB, 422 gpm, 2,300 psi, 130 rpm, 13k ft lbs torque 14.2 ppg MW, 500 - 1500 Units background gas, no flare				
Start Time	00:00	End Time	02:30	Comment Drill 68' 8 3/4" lateral from 9,728' to 9,796' with Weatherford RSS assembly at 27.2 fph avg, TDI mostly 5, 25-30 klbs WOB, 422 gpm, 2,300 psi, 125 rpm, 13k ft lbs torque 14.3 ppg MW, 700 - 1800 Units background gas, no flare				
Start Time	02:30	End Time	03:00	Comment Rig Service				
Start Time	03:00	End Time	03:30	Comment Replace gasket in 5" mud line from mud pumps				
Start Time	03:30	End Time	13:30	Comment Drill 281' 8 3/4" lateral from 9,796' to 10,077' with Weatherford RSS assembly at 28.1 fph avg, TDI 5, 15-25 klbs WOB, 608 gpm, 4,250 psi, 160 rpm, 15k ft lbs torque 14.5 ppg MW, Vis 107, I 800 - 1200 Units background gas, no flare				
Start Time	13:30	End Time	14:00	Comment Rig Service				
Start Time	14:00	End Time	00:00	Comment Drill 299' 8 3/4" lateral from 10,077' to 10,376' with Weatherford RSS assembly at 29.9 fph avg, TDI 5, 20-30 klbs WOB, 570 gpm, 3,800 psi, 160 rpm, 13k ft lbs torque 14.9 ppg MW in, 14.6 ppg out, 1500-2000 Units background gas, no flare Raising MW from 14.5 ppg to 15.0 ppg				
Report Start Date 1/18/2015			Report End Date 1/19/2015			24hr Activity Summary , Drill 8 3/4 lateral from 10,376' to 11,174', 798' @ 34.7 fph		
Start Time	00:00	End Time	04:00	Comment Drill 175' 8 3/4" lateral from 10,376' to 10,551' with Weatherford RSS assembly at 43.75 fph avg, TDI mostly 1, 25-35 klbs WOB, 570 gpm, 3,800 psi, 180 rpm, 13k ft lbs torque 14.9 ppg MW, 1500-2000 Units background gas, no flare				
Start Time	04:00	End Time	04:30	Comment Rig Service				

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
04:30			14:30			Drill 283' 8 3/4" lateral from 10,551' to 10,835' with Weatherford RSS assembly at 28.3 fph avg, TDI mostly 1, 25-35 klbs WOB, 570 gpm, 3,800 psi, 180 rpm, 13k ft lbs torque 15.0 ppg MW, 800-1000 Units background gas, no flare		
Start Time			End Time			Comment		
14:30			15:00			Rig Service		
Start Time			End Time			Comment		
15:00			00:00			Drill 339' 8 3/4" lateral from 10,835' to 11,174' with Weatherford RSS assembly at 37.66 fph avg, TDI mostly 5, 25-35 klbs WOB, 530 gpm, 3,750 psi, 125 rpm, 17k ft lbs torque 15.0 ppg MW, 800-1000 Units background gas, no flare		
Report Start Date	Report End Date	24hr Activity Summary						
1/19/2015	1/20/2015	Drill 8 3/4 lateral from 11,174' to 12,016', 842' @ 36.6 fph						
Start Time			End Time			Comment		
00:00			03:30			Drill 134' 8 3/4" lateral from 11,174' to 11,308' with Weatherford RSS assembly at 38 fph avg, TDI mostly 5, 25 klbs WOB, 422 gpm, 2,750 psi, 125 rpm, 17k ft lbs torque 15.0 ppg MW, 800-1000 Units background gas, no flare		
Start Time			End Time			Comment		
03:30			04:00			Rig Service		
Start Time			End Time			Comment		
04:00			16:00			Drill 474' 8 3/4" lateral from 11,308' to 11,782' with Weatherford RSS assembly at 39.5 fph avg, TDI mostly 5, 25 klbs WOB, 422 gpm, 2,750 psi, 180 rpm, 12k ft lbs torque 15.0 ppg MW, 500-900 Units background gas, no flare		
Start Time			End Time			Comment		
16:00			16:30			Rig Service		
Start Time			End Time			Comment		
16:30			00:00			Drill 234' 8 3/4" lateral from 11,782' to 12,016' with Weatherford RSS assembly at 31.2 fph avg, TDI mostly 1, 25 klbs WOB, 422 gpm, 2,750 psi, 180 rpm, 12k ft lbs torque 15.1 ppg MW, 500-900 Units background gas, no flare		
Report Start Date	Report End Date	24hr Activity Summary						
1/20/2015	1/21/2015	Drill 8 3/4 lateral from 12,016' to 12,589', 569' @ 24.7 fph						
Start Time			End Time			Comment		
00:00			03:30			Drill 145' 8 3/4" lateral from 12,016' to 12,161' with Weatherford RSS assembly at 41.4 fph avg, TDI mostly 1, 30 klbs WOB, 490 gpm, 3,250 psi, 180 rpm, 12k ft lbs torque 15.1 ppg MW, 500-900 Units background gas, no flare		
Start Time			End Time			Comment		
03:30			04:00			Rig Service		
Start Time			End Time			Comment		
04:00			16:30			Drill 286' 8 3/4" lateral from 12,161' to 12,447' with Weatherford RSS assembly at 22.9 fph avg, TDI mostly 1, 30 klbs WOB, 422 gpm, 2,900 psi, 180 rpm, 12k ft lbs torque 15.1 ppg MW, 500-900 Units background gas, no flare		
Start Time			End Time			Comment		
16:30			17:00			Rig Service		

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
17:00			00:00			Drill 142' 8 3/4" lateral from 12,447' to 12,589' with Weatherford RSS assembly at 20.28 fph avg, TDI mostly 1, 25 klbs WOB, 490 gpm, 3,300 psi, 130 rpm, 12k ft lbs torque 15.1 ppg MW, 500-900 Units background gas, no flare		
Report Start Date	Report End Date	24hr Activity Summary						
1/21/2015	1/22/2015	Drill 8 3/4 lateral from 12,589' to 13,087', 498' @ 21.6 fph						
Start Time			End Time			Comment		
00:00			01:30			Drill 47' 8 3/4" lateral from 12,589' to 12,636' with Weatherford RSS assembly at 31.3 fph avg, TDI mostly 1, 30 klbs WOB, 422 gpm, 2,900 psi, 180 rpm, 12k ft lbs torque 15.1 ppg MW, 500-900 Units background gas, no flare		
Start Time			End Time			Comment		
01:30			02:00			Rig Service		
Start Time			End Time			Comment		
02:00			15:00			Drill 269' 8 3/4" lateral from 12,636' to 12,905' with Weatherford RSS assembly at 20.7 fph avg, TDI mostly 1, 30klbs WOB, 490 gpm, 3,300 psi, 130 rpm, 12k ft lbs torque 15.2 ppg MW, 500-900 Units background gas, no flare		
Start Time			End Time			Comment		
15:00			15:30			Rig Service		
Start Time			End Time			Comment		
15:30			00:00			Drill 182' 8 3/4" lateral from 12,905' to 13,087' with Weatherford RSS assembly at 21.4 fph avg, TDI mostly 1, 30klbs WOB, 490 gpm, 3,300 psi, 130 rpm, 12k ft lbs torque 15.2 ppg MW, 500-2000 Units background gas, no flare		
Report Start Date	Report End Date	24hr Activity Summary						
1/22/2015	1/23/2015	Drill 8 3/4 lateral from 13,087' to 13,968', 881' @ 39 fph avg.						
Start Time			End Time			Comment		
00:00			01:00			Drill 20' 8 3/4" lateral from 13,087' to 13,107' with Weatherford RSS assembly at 20 fph avg, TDI mostly 3 to 5, 20 klbs WOB, 490 gpm, 3,300 psi, 180 rpm, 12-18k ft lbs torque 15.2 ppg MW, 600-900 Units background gas, no flare		
Start Time			End Time			Comment		
01:00			01:30			Rig Service		
Start Time			End Time			Comment		
01:30			14:00			Drill 428' 8 3/4" lateral from 13,107' to 13,535' with Weatherford RSS assembly at 33 fph avg, TDI mostly 3 to 5, 20 klbs WOB, 490 gpm, 3,300 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 600-900 Units background gas, no flare		
Start Time			End Time			Comment		
14:00			15:00			Change out head rubber		
Start Time			End Time			Comment		
15:00			00:00			Drill 433' 8 3/4" lateral from 13,535' to 13,968' with Weatherford RSS assembly at 48 fph avg, TDI mostly 1 to 5, 20 klbs WOB, 430 gpm, 3,200 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 700-1650 Units background gas, no flare		
Report Start Date	Report End Date	24hr Activity Summary						
1/23/2015	1/24/2015	Drill 8 3/4 lateral from 13,968' to 14,705', 737' @ 42 fph avg, trouble shoot directional tools, drill 8 3/4 lateral from 14,705' to 14,717', 12' @ 24 fph avg, rig service, circ three BU for tip out for directional tools						

NEWFIELD



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time	End Time	Comment
00:00	04:00	Drill 182' 8 3/4" lateral from 13,968' to 14,150' with Weatherford RSS assembly at xx45.5 fph avg, TDI mostly 1 to 5, 20 klbs WOB, 430 gpm, 3,200 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 600-1650 Units background gas, no flare
04:00	04:30	Rig service
04:30	08:30	Drill 280' 8 3/4" lateral from 14,150' to 14,430' with Weatherford RSS assembly at 70 fph avg, TDI mostly 1 to 5, 20 klbs WOB, 430 gpm, 3,200 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 600-1650 Units background gas, no flare
08:30	09:30	Change out Washpipe Swivel
09:30	15:30	Drill 192' 8 3/4" lateral from 14,430' to 14,622' with Weatherford RSS assembly at 32 fph avg, TDI mostly 1 to 5, 20 klbs WOB, 430 gpm, 3,200 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 600-1650 Units background gas, no flare
15:30	16:00	Rig Service
16:00	19:30	Drill 83' 8 3/4" lateral from 14,622' to 14,705' with Weatherford RSS assembly at 23.7 fph avg, TDI mostly 1 to 5, 20 klbs WOB, 430 gpm, 3,200 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 600-1650 Units background gas, no flare
19:30	20:00	Trouble shoot directional tools
20:00	20:30	Drill 12' 8 3/4" lateral from 14,705' to 14,717' with Weatherford RSS assembly at 24 fph avg, TDI mostly 5, 20 klbs WOB, 430 gpm, 3,200 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 600-1650 Units background gas, no flare
20:30	21:00	Downlink directional tools for POOH
21:00	00:00	(Start) clean up cycle, circulate three BU, monitor shakers for trip out, working pipe with 180 RPM and 422 GPM
Report Start Date 1/24/2015	Report End Date 1/25/2015	24hr Activity Summary Circulate, trip out for directional tools from 14,717' to Dir Tools LD/PU New Dir. Tools & Bit, Trip in Hole to 500', ShallowTest Dir Tools, Trip in Hole to 4000', POOH change out bad float, TIH to 989', shallow test, TIH to 4394'
00:00	01:30	Finish clean up cycle, circulate, monitor shakers for trip out, working pipe with 180 RPM and 422 GPM
01:30	02:00	Rig Service
02:00	10:30	(Start)... Trip out of hole for MWD tools, Flow Check, Trip out of hole from 14,717' to 13,870', Pump Slug, Trip out of hole from 13,870' to 8,545', Check for Flow @ Shoe, Trip out of hole from 8545' to MWD Tools.
10:30	12:30	LD RSS Tools, & Bit, Pick Up New RSS Tools & New Bit

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

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Start Time	12:30	End Time	14:00	Comment	Program MWD Tools
Start Time	14:00	End Time	14:30	Comment	(Start)... Trip in hole to 500'
Start Time	14:30	End Time	15:00	Comment	Install Head Rubber & Shallow Test MWD Tools
Start Time	15:00	End Time	17:00	Comment	Trip in hole from 500' to 4,000' Noticed Float was not holding Fill pipe
Start Time	17:00	End Time	17:30	Comment	Build slug for trip out of hole
Start Time	17:30	End Time	20:00	Comment	Trip out of hole for failed float
Start Time	20:00	End Time	20:30	Comment	Pull rotating head rubber
Start Time	20:30	End Time	21:00	Comment	Break out stabilizer and change out float
Start Time	21:00	End Time	21:30	Comment	(Start) Trip in hole to 989'
Start Time	21:30	End Time	22:30	Comment	Install rotating rubber, surface test
Start Time	22:30	End Time	00:00	Comment	Trip in hole f/989' to 4,394'
Report Start Date	1/25/2015	Report End Date	1/26/2015	24hr Activity Summary	
TIH f/4,398'- 8,472', circulate BU while slip and cut DL, Trip in hole to 14,463' W&R from 14,463' to 14,717', Drill 8 3/4 lateral from 14,717' to 15,547', @ 61.48 fph avg.					
Start Time	00:00	End Time	02:00	Comment	Trip in hole f/4394' to 8,472''
Start Time	02:00	End Time	03:00	Comment	Circulate BU while slip and cut DL, bottoms up gas 450 units behind gas buster
Start Time	03:00	End Time	03:30	Comment	Rig service
Start Time	03:30	End Time	08:00	Comment	Trip in hole f/8,472' to 12,463'
Start Time	08:00	End Time	09:00	Comment	Wash & Ream From 12,463' to 14,717'
Start Time	09:00	End Time	17:30	Comment	Drill 481' 8 3/4" lateral from 14,717' to 15,198' with Weatherford RSS assembly at 56.5 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 600-1150 Units background gas, no flare
Start Time	17:30	End Time	18:00	Comment	Rig service
Start Time	18:00	End Time	19:00	Comment	Trouble breaking connection at saver sub and drillpipe
Start Time	19:00	End Time	00:00	Comment	Drill 349' 8 3/4" lateral from 15,198' to 15,547' with Weatherford RSS assembly at 69.8 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 800-3300 Units background gas, 2' to 4' flare lasting 15 min.

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

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Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
1/26/2015	1/27/2015	Drill 8 3/4" lateral from 15,547' to 15,765', rig service, Drill 8 3/4" lateral from 15,765' to 16,430' 883' @ 60.8, Rig Service Drill 8 3/4" Lateral from 16,430' to 16,914' 484' @ 60.5 ft/hr
Start Time	00:00	End Time 03:30 Comment Drill 218' 8 3/4" lateral from 15,547' to 15,765' with Weatherford RSS assembly at 62.3 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1345 Units background gas, no flare
Start Time	03:30	End Time 04:00 Comment Rig service
Start Time	04:00	End Time 15:30 Comment Drill 665' 8 3/4" lateral from 15,765' to 16,430' with Weatherford RSS assembly at 60.4 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 Units background gas, no flare
Start Time	15:30	End Time 16:00 Comment Rig Service
Start Time	16:00	End Time 00:00 Comment Drill 484' 8 3/4" lateral from 16,430' to 16,914' with Weatherford RSS assembly at 60.5 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 Units background gas, no flare
Report Start Date	Report End Date	24hr Activity Summary
1/27/2015	1/28/2015	Drill 8 3/4" lateral from 16,914' to 17,187', rig service, drill 8 3/4" lateral from 17,187' to 17,661' 76', 59.25 fph, C/O rotating rubber, drill 8 3/4" lateral from 17,661' to 17,852, 191', 63.66 fph, rig service, drill 8 3/4" lateral from 17,852' to 18,246, 394', 52.5 fph,
Start Time	00:00	End Time 04:00 Comment Drill 273' 8 3/4" lateral from 16,914' to 17,187' with Weatherford RSS assembly at 68.25 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 Units background gas, no flare
Start Time	04:00	End Time 04:30 Comment Rig service
Start Time	04:30	End Time 12:30 Comment Drill 474' 8 3/4" lateral from 17,187' to 17,661' with Weatherford RSS assembly at 59.25 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 Units background gas, no flare
Start Time	12:30	End Time 13:00 Comment Change out Head Rubber
Start Time	13:00	End Time 16:00 Comment Drill 191' 8 3/4" lateral from 17,661' to 17,852' with Weatherford RSS assembly at 63.66 fph avg, TDI mostly 1, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 Units background gas, no flare
Start Time	16:00	End Time 16:30 Comment Rig service

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time	End Time	Comment
16:30	00:00	Drill 394' 8 3/4" lateral from 17,852' to 18,246' with Weatherford RSS assembly at 52.5 fph avg, TDI 1-5, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 Units background gas, no flare
Report Start Date 1/28/2015	Report End Date 1/29/2015	24hr Activity Summary Drill 8 3/4" lateral from 18,246' to 18,398', 5 hrs unplanned - Repairs to lower kelly valve, drill 8 3/4" lateral from 18,398' to 18,419', rig service, drill 8 3/4" lateral from 18,419' to 18,800', break tight connection, drill 8 3/4" lateral from 18,800' to 18,988'
00:00	03:30	Drill 152' 8 3/4" lateral from 18,246' to 18,398' with Weatherford RSS assembly at 43.4 fph avg, TDI 1-5, 20-30 klbs WOB, 420 gpm, 3,600 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 Units background gas, no flare
03:30	04:30	Circulate and change out swivel packing, wait on and change out manual IBOP
04:30	05:00	Service rig, inspect and lubricate top drive, blocks, drawworks
05:00	08:30	Change out lower manual kelly valve due to washed stem
08:30	09:00	Drill 21' 8 3/4" lateral from 18,398' to 18,419' with Weatherford RSS assembly at 42 fph avg, TDI 1-5, 25-35 klbs WOB, 422 gpm, 4,150 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 units background gas, no flare
09:00	09:30	Service rig,
09:30	18:00	Drill 381' 8 3/4" lateral from 18,419' to 18,800' with Weatherford RSS assembly at 44.8 fph avg, TDI 1-5 25-35 klbs WOB, 422 gpm, 4,150 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-1100 units background gas, no flare
18:00	19:00	Break tight connection at saver sub and DP
19:00	22:00	Drill 129' 8 3/4" lateral from 18,800' to 18,929' with Weatherford RSS assembly at 43 fph avg, TDI 1-5 25-35 klbs WOB, 422 gpm, 4,150 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-3012 units background gas, 2'-5' flare
22:00	22:30	Reboot directional computer
22:30	23:00	Drill 19' 8 3/4" lateral from 18,929' to 18,948' with Weatherford RSS assembly at 38 fph avg, TDI 1-5 25-35 klbs WOB, 422 gpm, 4,150 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 650-2900 units background gas, no flare
23:00	23:30	Reboot directional computer

NEWFIELD



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time			End Time			Comment		
23:30			00:00			Drill 40' 8 3/4" lateral from 18,948' to 18,988' with Weatherford RSS assembly at 80 fph avg, TDI 1-5 25-35 klbs WOB, 422 gpm, 4,150 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 950-2600 units background gas, no flare		
Report Start Date	Report End Date	24hr Activity Summary						
1/29/2015	1/30/2015	Dril 8 3/4" lateral from 18,988' to TD 19,433', Clean-up cycle - 7 of 10 bottoms up at 00:00						
Start Time			End Time			Comment		
00:00			04:00			Drill 185' 8 3/4" lateral from 18,988' to 19,173' with Weatherford RSS assembly at 46.25 fph avg, TDI 1-5 25-35 klbs WOB, 422 gpm, 4,150 psi, 180 rpm, 12-18k ft lbs torque 15.4 ppg MW, 900-2700 units background gas, no flare		
Start Time			End Time			Comment		
04:00			04:30			Rig service		
Start Time			End Time			Comment		
04:30			11:00			Drill 260' 8 3/4" lateral from 19,173' to TD 19,433' with Weatherford RSS assembly at 40 fph avg, TDI 1-5 25-35 klbs WOB, 422 gpm, 4,350 psi, 160 rpm, 12-18k ft lbs torque 15.4 ppg MW, 1,000-2,700 units background gas, no flare		
Start Time			End Time			Comment		
11:00			11:30			Downlink RSS		
Start Time			End Time			Comment		
11:30			16:30			(Start) Circulate - Clean up cycle 1st bottoms up - Reciprocating pipe from 19,433' to 19,359', 422 gpm, 4,400 psi, 180 rpm, 15k ft lbs torque, Rotating weight: 180 klbs, PU: 325 klbs, No SO, Shakers - 100% fines 15.4 ppg MW, 72 sec/qt FV 2nd bottoms up - Reciprocating pipe from 19,359' to 19,267', 422 gpm, 4,250 psi, 180 rpm, 14k ft lbs torque, Rotating weight: 180 klbs, PU: 325 klbs, No SO, Shakers - 90% fines 3rd bottoms up - Reciprocating pipe from 19,267' to 19,174', 422 gpm, 4,165 psi, 180 rpm, 12k ft lbs torque, Rotating weight: 190 klbs, PU: 345 klbs, No SO, Shakers - 80% fines 15.4 ppg MW, 72 sec/qt FV		
Start Time			End Time			Comment		
16:30			17:00			Service rig, inspect and lubricate top drive, drawworks, catwalk		
Start Time			End Time			Comment		
17:00			00:00			Circulate 4th bottoms up - Reciprocating pipe from 19,174' to 19,082', 422 gpm, 4,250 psi, 180 rpm, 11.8k ft lbs torque, Rotating weight: 190 klbs, PU: 345 klbs, No SO, Shakers - 30% coverage, 70% fines 5th bottoms up - Reciprocating pipe from 19,082' to 18,979', 422 gpm, 4,205 psi, 180 rpm, 12.5k ft lbs torque, Rotating weight: 196 klbs, PU: 343 klbs, No SO, Shakers - 25% coverage, 100% fines 6th bottoms up - Reciprocating pipe from 18,979' to 18,894', 422 gpm, 4,020 psi, 180 rpm, 12.8k ft lbs torque, Rotating weight: 186 klbs, PU: 356 klbs, No SO, Shakers - 20% coverage, 90% fines and 10% cuttings 15.4+ ppg MW, 99 sec/qt FV 7th bottoms up - Reciprocating pipe from 18,894' to 18,800', 422 gpm, 4,100 psi, 180 rpm, 13k ft lbs torque, Rotating weight: 185 klbs, PU: 360 klbs, No SO, Shakers - 20% coverage, 100% fines, gas @ 300U 15.5 ppg MW, 74 sec/qt FV		

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

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Daily Operations		
Report Start Date	Report End Date	24hr Activity Summary
1/30/2015	1/31/2015	Continue clean up cycle, Trip out of hole to casing shoe, check flow, LDDP to 2454'
Start Time	End Time	Comment
00:00	02:00	Rack back stand #7 8th bottoms up - Reciprocating pipe from 18,800' to 18,705', 422 gpm, 4,100 psi, 180 rpm, 13k ft lbs torque, Rotating weight: 185 klbs, PU: 360 klbs, No SO, Shakers - 15% coverage 100% fines 15.5 ppg MW, 74 sec/qt FV
Start Time	End Time	Comment
02:00	03:00	Wash back to bottom from 18,705'
Start Time	End Time	Comment
03:00	03:30	Rig service
Start Time	End Time	Comment
03:30	07:00	Continue clean up cycle 8th bottoms up - Reciprocating pipe from 19,359' to 19,428', 422 gpm, 4,430 psi, 180 rpm, 13k ft lbs torque, Rotating weight: 184 klbs, PU: 360 klbs, No SO, Shakers - 15% coverage 100% fines, BU gas 2130U, BG gas 256 9th bottoms up - Reciprocating pipe from 19,433' to 19,359', 422 gpm, 4,300 psi, 180 rpm, 14k ft lbs torque, Rotating weight: 184 klbs, PU: 360 klbs, No SO, Shakers - 15% coverage 100% fines 10th bottoms up - Reciprocating pipe from 19,433' to 19,359', 422 gpm, 4,300 psi, 180 rpm, 14k ft lbs torque, Rotating weight: 184 klbs, PU: 360 klbs, No SO, Shakers - 15% coverage 100% fines 15.5 ppg MW, 80 sec/qt FV
Start Time	End Time	Comment
07:00	09:30	(Start) Trip, Check for flow, Back ream out of hole from 19,433' to 18,200'
Start Time	End Time	Comment
09:30	10:30	Circulate bottoms up, Reciprocating pipe from 18,200' to 18,110', 422 gpm, 4,050 psi, 180 rpm, 12k ft lbs torque, Rotating weight: 182 klbs, PU: 325 klbs, No SO, Shakers - 15% coverage 100% fines
Start Time	End Time	Comment
10:30	16:00	Trip out of hole on elevators from 18,200' to 8,475' with a hook load of 210 to 325 klbs, Monitor well on trip tank
Start Time	End Time	Comment
16:00	16:30	Blow down Weatherford down link, Check for flow - no flow
Start Time	End Time	Comment
16:30	17:00	Service rig, Inspect and lubricate top drive, drawworks, ST-80
Start Time	End Time	Comment
17:00	00:00	Lay down drill pipe from 8,475' to 2454', monitoring trip tank, breaking several tight connections
Report Start Date	Report End Date	24hr Activity Summary
1/31/2015	2/1/2015	Lay down drill pipe
Start Time	End Time	Comment
00:00	01:30	Lay down drill pipe from 2,454' to 870', monitoring trip tank, breaking several tight connections
Start Time	End Time	Comment
01:30	02:00	Pull rotating rubber
Start Time	End Time	Comment
02:00	02:30	Lay down drill pipe from 870' to BHA, monitoring trip tank
Start Time	End Time	Comment
02:30	04:00	Check for flow, Lay down directional BHA

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time	04:00	End Time	04:30	Comment	Rig service
Start Time	04:30	End Time	05:30	Comment	Pick up used bit and bit sub w/float, TIH to 938'
Start Time	05:30	End Time	06:00	Comment	Install rotating head rubber
Start Time	06:00	End Time	09:00	Comment	Trip in hole with 60 of 120 stands in derrick to 5,566', Monitor well on trip tank
Start Time	09:00	End Time	14:00	Comment	Lay down drill pipe from 5,566' to 900', Monitor well on trip tank
Start Time	14:00	End Time	17:00	Comment	Trip in hole with remaining 60 stands in derrick to 5,698', Monitor well on trip tank
Start Time	17:00	End Time	17:30	Comment	Service rig, Inspect and lubricate top drive and drawworks
Start Time	17:30	End Time	18:00	Comment	Lay down drill pipe from 5,698' to 5550', Monitor well on trip tank
Start Time	18:00	End Time	18:30	Comment	Rig service
Start Time	18:30	End Time	00:00	Comment	Lay down drill pipe from 5,550' to 916', Monitor well on trip tank
Report Start Date	2/1/2015	Report End Date	2/2/2015	24hr Activity Summary Finish LDDP, pull wear bushing, RU and run 259 jts of 5 1/2" casing to 10,903'	
Start Time	00:00	End Time	02:00	Comment	Lay down drill pipe from 916', Monitor well on trip tank
Start Time	02:00	End Time	02:30	Comment	Pull rotating rubber and install trip nipple
Start Time	02:30	End Time	03:00	Comment	LD HWDP and bit sub
Start Time	03:00	End Time	03:30	Comment	Pull wear bushing
Start Time	03:30	End Time	04:00	Comment	Rig service
Start Time	04:00	End Time	17:30	Comment	(Start) PJSM, Rig up Franks casing crews, Run 165 of 463 joints 5 1/2" 20# P-110 Tenaris XP to 6,958', Filled pipe at 1,415', 3,343', 6,958'
Start Time	17:30	End Time	18:00	Comment	Service rig
Start Time	18:00	End Time	18:30	Comment	PJSM with Franks and night rig crew
Start Time	18:30	End Time	00:00	Comment	Run 259 of 463 joints 5 1/2" 20# P-110 Tenaris XP to 10,903', Filled pipe at 10,903'
Report Start Date	2/2/2015	Report End Date	2/3/2015	24hr Activity Summary Run 5 1/2" casing f/ 10,903' to 19,423', circulate BU, RU Halliburton, start cement 5 1/2" casing	
Start Time	00:00	End Time	04:00	Comment	Run 335 of 463 joints 5 1/2" 20# P-110 Tenaris XP from 10,903' to 14,036', Filled pipe at 14,023'
Start Time	04:00	End Time	04:30	Comment	Rig service
Start Time	04:30	End Time	13:30	Comment	Run 463 joints 5 1/2" 20# P-110 Tenaris XP from 10,903' to 19,388', Filled pipe at 16,822', 19,060', Pick up casing hanger and landing joint, Land casing at 19,423'

NEWFIELD



Summary Rig Activity

Well Name: Dart 13-11-2-3-2WH

Start Time	End Time	Comment
13:30	14:30	(Start) Cement operations, Circulate casing at 336 gpm, 1,430 psi, PJSM with Halliburton, Rig up cementers
14:30	15:00	Service rig
15:00	19:00	Circulate casing at 336 gpm, 1370 psi, Rig up cementers, PJSM with Halliburton PJSM with JD Field Service, 8 of 9 loads drill pipe and HWDP hauled to CSI
19:00	00:00	(Start)... Pressure test to 9,000 psi, Pump 5 bbl 15.4 ppg tuned spacer drop bottom plug Pump 35 bbl 15.4 ppg tuned spacer Pump 347.8 bbl 15.4 ppg TERGOVIS I, 1380 sks, 1.41 yld. 7.42 wtr/sk Pump 617 bbl 15.7 ppg BONDCEM, 2250 sks, 1.54 yld 6.32 wtr/sk Wash-up cement lines, Drop plug and pump 210 of 430 bbl of treated water displacement
Report Start Date 2/3/2015	Report End Date 2/4/2015	24hr Activity Summary Cement, Install pack-off, back pressure valve, Nipple down, Clean tanks, Release rental equipment, change out VBR with pipe rams, replace door seals, nipple down BOP
00:00	04:00	Continue pumping 428 of 430 bbl treated water displacement, 40 bbl of tuned spacer and 78 bbls TergoVis back to surface, Rotated casing at 10 rpm, 8-19k lbs torque while pumping, Torque dropped from 18K to 11K through displacement and casing rotated throughout displacement, Final circulating pressure of 4,725 psi, Bumped plug to 5,900 psi, Held pressure for 2 minutes, Check floats - floats held, Rig down cementers
04:00	05:30	(Start) NU Wellhead/Clean tanks, PJSM with FMC, Run in with wash-up tool and wash-up top of well head, Install and test pack-off - test failed PJSM with Red Mesa, Cleaning shaker skid and Clean Harbor equipment
05:30	06:00	Service rig, Inspect and lubricate top drive, drawworks Red Mesa on location cleaning shaker skid and Clean Harbor equipment PJSM with Halliburton, Haul off (5) cement siloes, (2) bar hopper tanks, fly ash hopper tank, (3) air compressors
06:00	10:30	Pull pack-off, Replace seals, Install pack-off and re-test - good test Red Mesa on location cleaning shaker skid and Clean Harbor equipment PJSM with Kristy's Rental, Rig down and haul off flare stack PJSM with ZECO, Rig down and haul off super choke and panel PJSM with Derrick, Haul off screen box PJSM with DrillComm, Rig down and haul off communication equipment PJSM with CG Electric, Rig down command center, (2) living quarters and mud lab

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time	End Time	Comment
10:30	11:00	(Start) ND BOP, Flush choke, choke lines, mud mixing lines, gas buster, gas buster lines Red Mesa on location cleaning shaker skid and Clean Harbor equipment PJSM with Total Safety, Rig down and haul off H2S equipment
Start Time	End Time	Comment
11:00	11:30	Service rig Red Mesa on location cleaning shaker skid and Clean Harbor equipment
Start Time	End Time	Comment
11:30	00:00	PJSM with B & C Quick Test, Break open upper pipe rams, Pull variable bore rams, Replace door seals, Nipple down BOPE Red Mesa on location cleaning shaker skid and Clean Harbor equipment PJSM with Mountain West and JD Field Service, Haul off command center, (2) living quarters, mud lab, (1) water tank, (3) sewer tanks, 9 of 9 loads of drill pipe and HWDP hauled to CSI
Report Start Date	Report End Date	24hr Activity Summary
2/4/2015	2/5/2015	Mount BOP on wrangler, Install night cap, Rig released at 06:00 on Feb 4, 2015, Clean rig
Start Time	End Time	Comment
00:00	03:00	PJSM, remove rotating head, catch can, turn buckles, scaffolding, Mount BOP on wrangler, remove spacer spool and clean wellhead
Start Time	End Time	Comment
03:00	03:30	Rig service
Start Time	End Time	Comment
03:30	06:00	PJSM, Install and test night cap to 10K, Rig released at 06:00 on 4 Feb, 2015
Start Time	End Time	Comment
06:00	00:00	Stack out safety meeting with Engage Management, Pioneer, JD Field Service Focus areas today are Clean Harbors equipment in order to haul off tomorrow, Catwalk, wind walls, gas buster, flow line in order for crane work tomorrow, sub PJSM with Red Mesa, Clean shaker skid, Clean Harbor equipment, catwalk, mud tanks PJSM with TK Oilfield Service, Clean catwalk PJSM with rig crew, clean catwalk, top drive, rig floor and misc tools
Report Start Date	Report End Date	24hr Activity Summary
2/5/2015	2/6/2015	Shut down for night, Clean rig, Move out rental equipment, Stage out rig equipment
Start Time	End Time	Comment
00:00	06:00	Shut down wait on daylight

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time		Comment	
06:00			18:00		<p>PJSM with Pioneer, TK Oilfield Service, Red Mesa, JD Field Service</p> <p>JD Field Service: Bed truck to stage out catwalk, BOP handler, #3 mud pump, (2) 400 bbl upright tanks, spread out Clean Harbor equipment for final clean, Crane to load out Clean Harbor Equipment, rig down gas buster, flare lines</p> <p>TK Oilfield Service: Final clean on Clean Harbors equipment, Clean BOP handler</p> <p>Red Mesa: Clean Clean Harbors vacuum, mud tanks</p>	
Start Time			End Time		Comment	
18:00			00:00		Shut down, wait on daylight	
Report Start Date	Report End Date	24hr Activity Summary				
2/6/2015	2/7/2015	Shut down, Wait on daylight				
Start Time			End Time		Comment	
00:00			06:00		Shut down, wait on daylight, pre tour meeting with rig crews	
Start Time			End Time		Comment	
06:00			18:00		<p>PJSM with Pioneer, TK Oilfield Service, Red Mesa</p> <p>TK cleaning wind walls, sub structure</p> <p>Red Mesa cleaning shale shakers, mud tanks</p> <p>Rig crews un spool winches, drill line, rig down hopper house, spool electric lines, rig down and plug mud lines and stage misc equipment for washing</p>	
Start Time			End Time		Comment	
18:00			00:00		Shut down, wait on daylight	
Report Start Date	Report End Date	24hr Activity Summary				
2/7/2015	2/8/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits				
Start Time			End Time		Comment	
00:00			06:00		Wait on daylight, , pre tour meeting with rig crews	
Start Time			End Time		Comment	
06:00			18:00		<p>PJSM with Pioneer, TK Oilfield Service, Red Mesa</p> <p>TK cleaning wind walls, sub structure</p> <p>Red Mesa cleaning shale shakers, mud tanks</p> <p>Rig crews scrubbing & Cleaning Buildings, Minifold, Rig Misc. Equipment, Cleaning Flare lines & Flow lines, rig down and plug mud lines and stage misc equipment for washing</p>	
Start Time			End Time		Comment	
18:00			00:00		Shut down, wait on daylight	
Report Start Date	Report End Date	24hr Activity Summary				
2/8/2015	2/9/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, move out and clean #1 and #2 pump, boiler, accumulator house, squat sub and lay derrick on stand				
Start Time			End Time		Comment	
00:00			06:00		Wait on daylight, , pre tour meeting with rig crews	

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
06:00			18:00			PJSM with Pioneer, TK Oilfield Service, Red Mesa TK cleaning sub structure and misc equipment Red Mesa cleaning mud tanks PJSM, Rig crews scrubbing & Cleaning Buildings and Misc. Equipment, move out and cleaning # 1 and 2 pumps, accumulator house, boiler and stage misc equipment for washing, squat sub and lay derrick on stand		
Start Time			End Time			Comment		
18:00			00:00			Shut Down for Night		
Report Start Date	Report End Date	24hr Activity Summary						
2/9/2015	2/10/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean #1&2 pump, unstring and clean on derrick and misc equipment						
Start Time			End Time			Comment		
00:00			06:00			Wait on daylight, , pre tour meeting with rig crews		
Start Time			End Time			Comment		
06:00			18:00			PJSM with Pioneer, TK Oilfield Service, Red Mesa TK cleaning sub derrick and misc equipment Red Mesa cleaning mud tanks PJSM, Rig crews scrubbing & Cleaning Buildings and Misc. Equipment, move out and cleaning # 1 pump & Pump # 2, Unstring Drilling line and Safety lines from derrick, Scrub & Pressure wash Derrick.		
Start Time			End Time			Comment		
18:00			00:00			Shut Down for Night		
Report Start Date	Report End Date	24hr Activity Summary						
2/10/2015	2/11/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean #1&2 clean on derrick, set off Derrick & Remove Center Steal, Set off Dog House, Clean misc equipment						
Start Time			End Time			Comment		
00:00			06:00			Wait on daylight, , pre tour meeting with rig crews		
Start Time			End Time			Comment		
06:00			18:00			PJSM with Pioneer, TK Oilfield Service, Red Mesa TK cleaning sub derrick and misc equipment Red Mesa cleaning mud tanks PJSM, Rig crews scrubbing & Cleaning Buildings and Misc. Equipment, move out and cleaning # 1 pump & Pump # 2, Scrub & Pressure wash Derrick. Set out top dog house, Set Derrick off Floor, Remove Crown section, Remove Center Steal, Haul off Deisel by Pilot 4000 gal + -.		
Start Time			End Time			Comment		
18:00			00:00			Wait on Daylight		
Report Start Date	Report End Date	24hr Activity Summary						
2/11/2015	2/12/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean on derrick, Center Steal, Dog House, Crown Clean misc equipment						
Start Time			End Time			Comment		
00:00			06:00			Wait on daylight, , pre tour meeting with rig crews		

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

Start Time			End Time			Comment		
06:00			18:00			PJSM with Pioneer, TK Oilfield Service, Red Mesa TK cleaning sub derrick and misc equipment Red Mesa cleaning mud tanks, PJSM, Rig down, clean on rig and pits, clean on derrick, Center Steal, Dog House, Crown, Raise Subs, Pin & Clean, Clean misc equipment		
Start Time			End Time			Comment		
18:00			00:00			Shut Down for Night		
Report Start Date	Report End Date	24hr Activity Summary						
2/12/2015	2/13/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean on derrick, Center Steal, Dog House, Crown Clean misc equipment						
Start Time			End Time			Comment		
00:00			06:00			Wait on daylight, , pre tour meeting with rig crews		
Start Time			End Time			Comment		
06:00			18:00			PJSM with Pioneer, TK Oilfield Service, Red Mesa TK cleaning sub derrick and misc equipment Red Mesa cleaning mud tanks, PJSM, Rig down, clean on rig and pits, clean on derrick, Center Steal, Clean on Crown, Clean Sub Bases and Move, Clean misc equipment		
Start Time			End Time			Comment		
18:00			00:00			Shut Down for Night		
Report Start Date	Report End Date	24hr Activity Summary						
2/13/2015	2/14/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean on derrick, Center Steal, Dog House, Crown Clean misc equipment						
Start Time			End Time			Comment		
00:00			06:00			Wait on daylight, , pre tour meeting with rig crews		
Start Time			End Time			Comment		
06:00			18:00			PJSM with Pioneer, TK Oilfield Service, Red Mesa TK cleaning sub derrick and misc equipment Red Mesa cleaning mud tanks, PJSM, Rig down, clean on rig and pits, clean on derrick, Center Steal, Clean on Crown, Clean Gens & Bases and Move off Location, Clean misc equipment		
Start Time			End Time			Comment		
18:00			00:00			Shut Down For Night		
Report Start Date	Report End Date	24hr Activity Summary						
2/14/2015	2/15/2015	Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean on Center Steal, Shaker Skid, Crown Clean misc equipment						
Start Time			End Time			Comment		
00:00			06:00			Wait on daylight, , pre tour meeting with rig crews		
Start Time			End Time			Comment		
06:00			18:00			PJSM with Pioneer, TK Oilfield Service, Red Mesa TK cleaning sub derrick and misc equipment PJSM, Rig down, clean on rig and pits, clean on Center Steal, Clean on Crown, Clean misc equipment		
Start Time			End Time			Comment		
18:00			00:00			Shut Down for Night		

NEWFIELD**Summary Rig Activity****Well Name: Dart 13-11-2-3-2WH**

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Daily Operations			
Report Start Date 2/15/2015	Report End Date 2/16/2015	24hr Activity Summary Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean on Center Steal, Shaker Skid, Crown Clean misc equipment	
Start Time 00:00	End Time 06:00	Comment Wait on daylight, , pre tour meeting with rig crews	
Start Time 06:00	End Time 18:00	Comment PJSM with Pioneer, TK Oilfield Service, Red Mesa Pig Truck TK cleaning Finishing up Pits and misc equipment PJSM, Rig down, clean on Building Bases and haul off to stack out Loc. Cleaning on Center Steal, Hopper House, Shaker Skid, Festoon, VFD, Active Mud Tank, Rig Matts & misc equipment	
Start Time 18:00	End Time 00:00	Comment Shut Down for Night	
Report Start Date 2/16/2015	Report End Date 2/17/2015	24hr Activity Summary Shut down, Wait on daylight, PJSM, Rig down, clean on rig and pits, clean on Center Steal, Shaker Skid, Crown Clean misc equipment	
Start Time 00:00	End Time 06:00	Comment Wait on daylight, , pre tour meeting with rig crews	
Start Time 06:00	End Time 18:00	Comment PJSM with Pioneer, TK Oilfield Service, Red Mesa Pig Truck TK cleaning Finishing up Pits and misc equipment PJSM, Rig down, clean on Building Bases and haul off to stack out Loc. Cleaning on Center Steal, Draw Works, Hopper House, Active Mud Tank, Water Tank, Rig Matts & misc equipment	
Start Time 18:00	End Time 00:00	Comment Final Report. All Equipment Cleaned.	