

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Sam 2-22-3-2WH				
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 WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcozler@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-6269			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input 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') Scott and Vickie Mae Hagman						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-646-3313				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') P.O. Box 1674, Roosevelt, UT 84006						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		558 FNL 1943 FEL		NWNE	22	3.0 S	2.0 W	U		
Top of Uppermost Producing Zone		558 FNL 1943 FEL		NWNE	22	3.0 S	2.0 W	U		
At Total Depth		660 FSL 1980 FEL		SWSE	22	3.0 S	2.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 558			23. NUMBER OF ACRES IN DRILLING UNIT 40				
27. ELEVATION - GROUND LEVEL 5132			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0			26. PROPOSED DEPTH MD: 12838 TVD: 8353				
			28. BOND NUMBER RLB00100473			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 2500	36.0	J-55 LT&C	8.3	Type III	216	3.33	11.0
							Type III	95	1.9	13.0
I1	8.75	7	0 - 8852	26.0	P-110 Other	11.5	35/65 Poz	244	2.59	11.5
							50/50 Poz	289	1.62	13.0
PROD	6.125	4.5	7934 - 12838	13.5	P-110 Other	11.5	No Used	0	0.0	0.0
<b>ATTACHMENTS</b>										
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 11/13/2012			EMAIL starpoint@etv.net				
API NUMBER ASSIGNED 43013518700000			APPROVAL			 Permit Manager				

## Newfield Production Company

2-22-3-2 WH

Surface Hole Location: 558' FNL, 1943' FEL, Section 22, T3S, R2W

Bottom Hole Location: 660' FSL, 1980' FEL, Section 22, T3S, R2W

Duchesne County, UT

Drilling Program

## 1. Formation Tops

Uinta	surface		
Green River	3,313'		
Garden Gulch member	6,149'		
Uteland Butte	8,432'		
Lateral TD	8,353'	TVD /	12,838' MD

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

Base of moderately saline	4,335'	(water)
Green River	6,149' - 8,353'	(oil)

## 3. Pressure Control

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

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

## 4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Conductor 14	0'	60'	37	H-40	Weld	--	--	--	--	--	--
Surface 9 5/8	0'	2,500'	36	J-55	LTC	8.33	8.33	12	3,520	2,020	453,000
Intermediate 7	0'	8,482' 8,852'	26	P-110	BTC	11	11.5	15	9,960	6,210	830,000
Production 4 1/2	7,934'	8,353' 12,838'	13.5	P-110	BTC	11	11.5	--	12,410	10,670	422,000
									3.15	2.57	6.37

Assumptions:

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

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

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

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

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

## 5. Cement

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41	15%	15.8	1.17
				35			
Surface Lead	12 1/4	2,000'	Type III + .125 lbs/sk Cello Flakes	720	15%	11.0	3.33
				216			
Surface Tail	12 1/4	500'	Type III + .125 lbs/sk Cello Flakes	180	15%	13.0	1.9
				95			
Intermediate Lead	8 3/4	3,649'	Premium - 65% Class G / 35% Poz + 10% Bentonite	631	15%	11.5	2.59
				244			
Intermediate Tail	8 3/4	2,704'	50/50 Poz/Class G + 1% bentonite	468	15%	13.0	1.62
				289			
Production	6 1/8	--	Liner will not be cemented. It will be isolated with a liner top packer.	--	--	--	--
				--			

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

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

The cement slurries will be adjusted for hole conditions and blend test results.

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

## 6. Type and Characteristics of Proposed Circulating Medium

### Interval

### Description

Surface - 2,500'

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

2,500' - TD

A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and

if conditions warrant, with barite.

Anticipated maximum mud weight is 11.5 ppg.

**7. Logging, Coring, and Testing**

Logging: A dual induction, gamma ray, and caliper log will be run in the intermediate section from the top of the curve to the base of the surface casing. A compensated neutron/formation density log will be run in the intermediate section from the top of the curve to the top of the Garden Gulch formation. A cement bond log will be run from the top of the curve to the cement top behind the 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 0.57 psi/ft gradient.

$$8,353' \times 0.57 \text{ psi/ft} = 4778 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

**9. Other Aspects**

An 8-3/4" vertical hole will be drilled to a kick off point of 7,984' . Directional tools will then be used to build to 92.00 degrees inclination. The 7" intermediate casing string will be set once the well is landed horizontally in the target zone.

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

Newfield requests the following variances from Onshore Order #2:

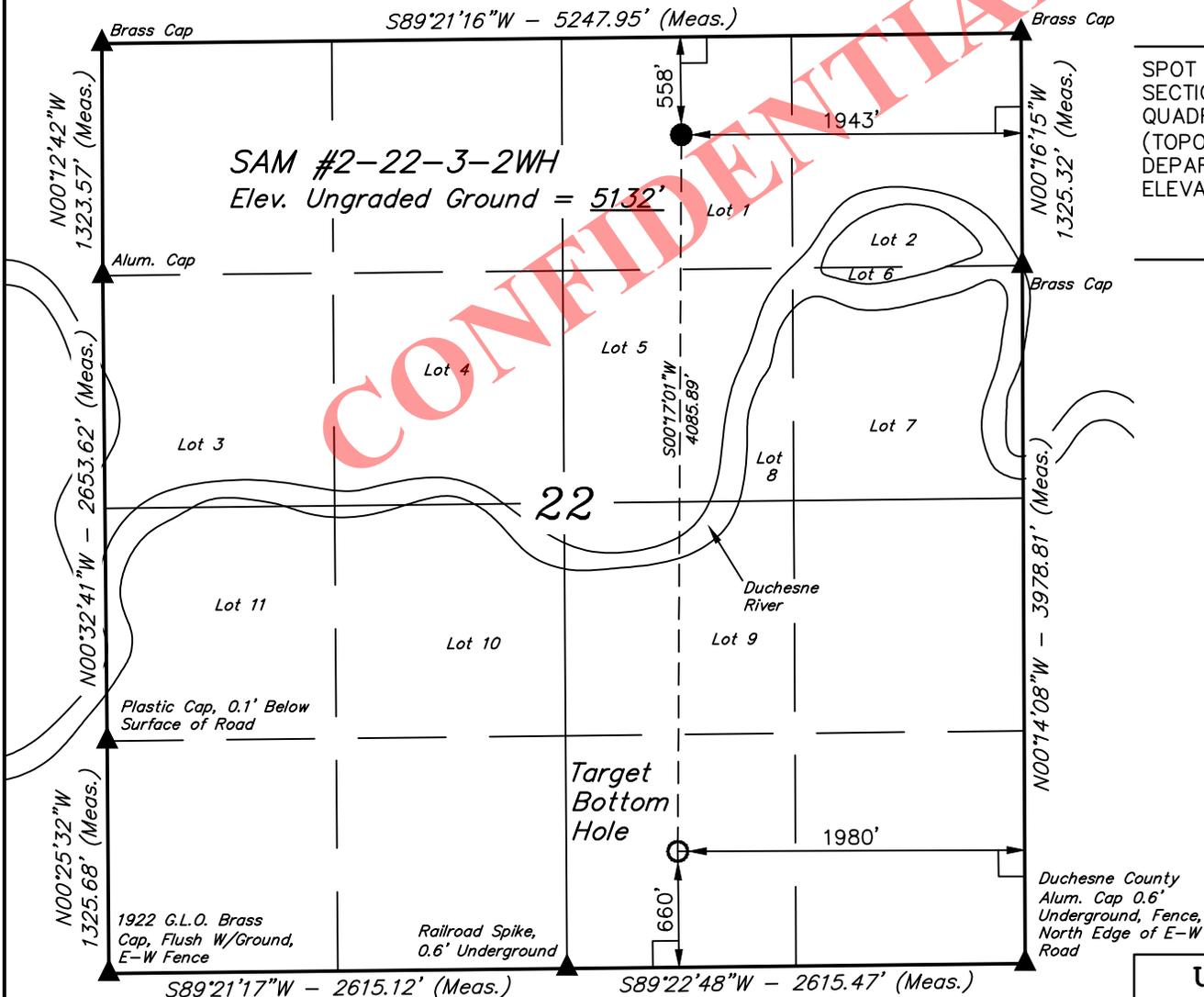
- Variance from Onshoer Order #2, III.E.1

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

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

NEWFIELD EXPLORATION COMPANY

Well location, SAM #2-22-3-2WH, located as shown in Lot 1 of Section 22, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

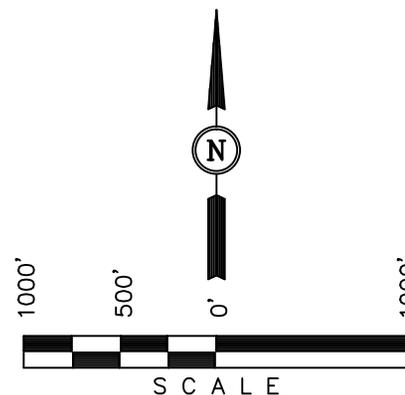


BASIS OF ELEVATION

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.



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.

*[Signature]*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

REVISED: 11-05-12

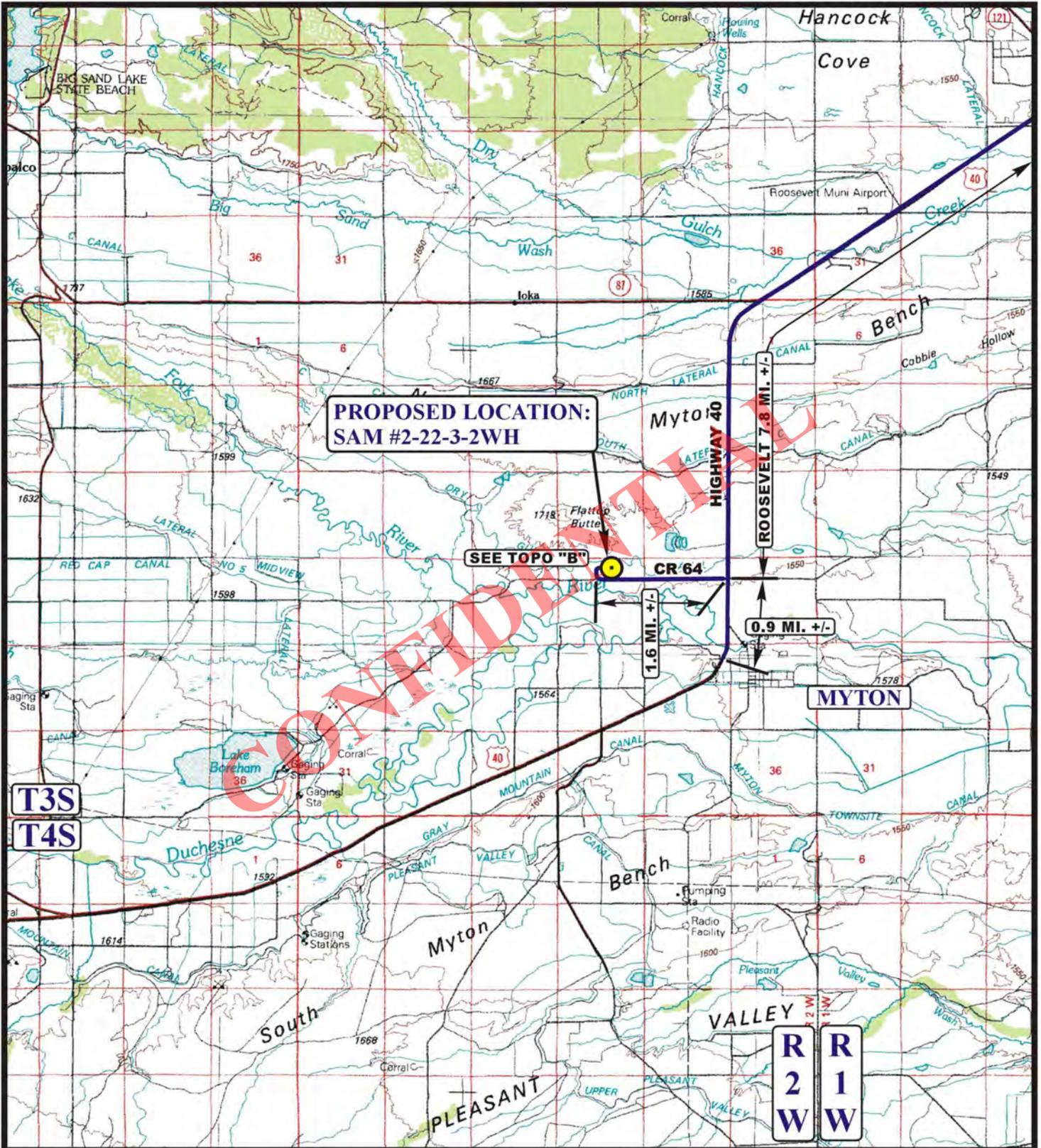
UINTAH ENGINEERING & LAND SURVEYING  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

<b>NAD 83 (TARGET BOTTOM HOLE)</b>	<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°12'07.94" (40.202206)	LATITUDE = 40°12'48.31" (40.213419)
LONGITUDE = 110°05'34.89" (110.093025)	LONGITUDE = 110°05'34.61" (110.092947)
<b>NAD 27 (TARGET BOTTOM HOLE)</b>	<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°12'08.09" (40.202247)	LATITUDE = 40°12'48.46" (40.213461)
LONGITUDE = 110°05'32.35" (110.092319)	LONGITUDE = 110°05'32.07" (110.092242)

SCALE 1" = 1000'	DATE SURVEYED: 08-20-12	DATE DRAWN: 08-27-12
PARTY M.A. D.D. S.F.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE NEWFIELD EXPLORATION COMPANY	



**PROPOSED LOCATION:  
SAM #2-22-3-2WH**

**SEE TOPO "B"**

**ROOSEVELT 7.8 MI. +/-**

**MYTON 40  
HIGHWAY**

**CR 64**

**1.6 MI. +/-**

**0.9 MI. +/-**

**MYTON**

**T3S  
T4S**

**R  
2  
W  
R  
1  
W**

**LEGEND:**

**● PROPOSED LOCATION**

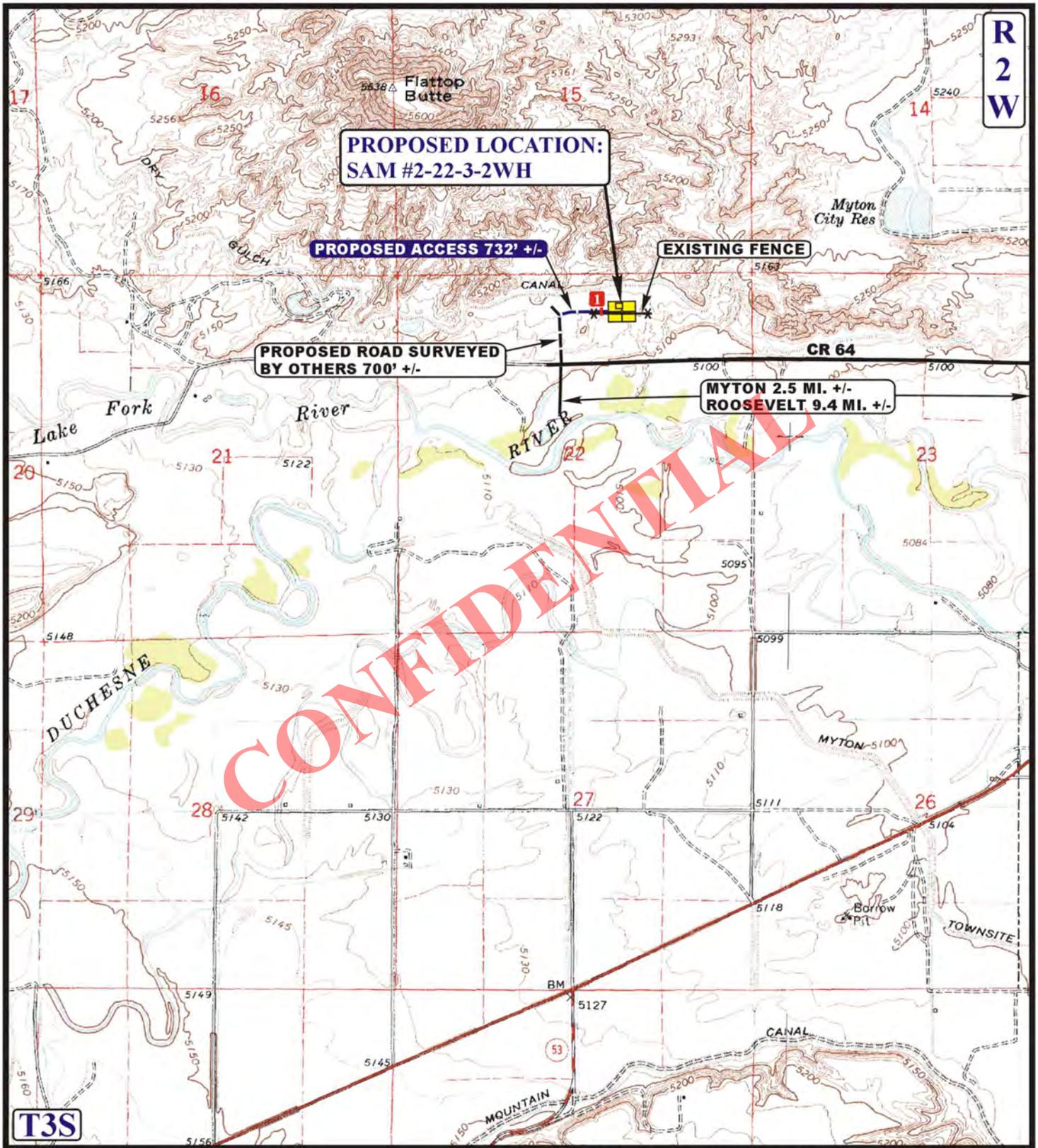


**NEWFIELD EXPLORATION COMPANY**

**SAM #2-22-3-2WH  
SECTION 22, T3S, R2W, U.S.B.&M.  
558' FNL 1943' FEL**

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

**ACCESS ROAD  
MAP** **08 29 12**  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: C.L. REVISED: 11-05-12 **A  
TOPO**



**PROPOSED LOCATION:  
SAM #2-22-3-2WH**

**PROPOSED ACCESS 732' +/-**

**EXISTING FENCE**

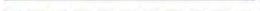
**PROPOSED ROAD SURVEYED  
BY OTHERS 700' +/-**

**MYTON 2.5 MI. +/-  
ROOSEVELT 9.4 MI. +/-**

**T3S**

**R  
2  
W**

**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  EXISTING FENCE
-  18" CMP REQUIRED

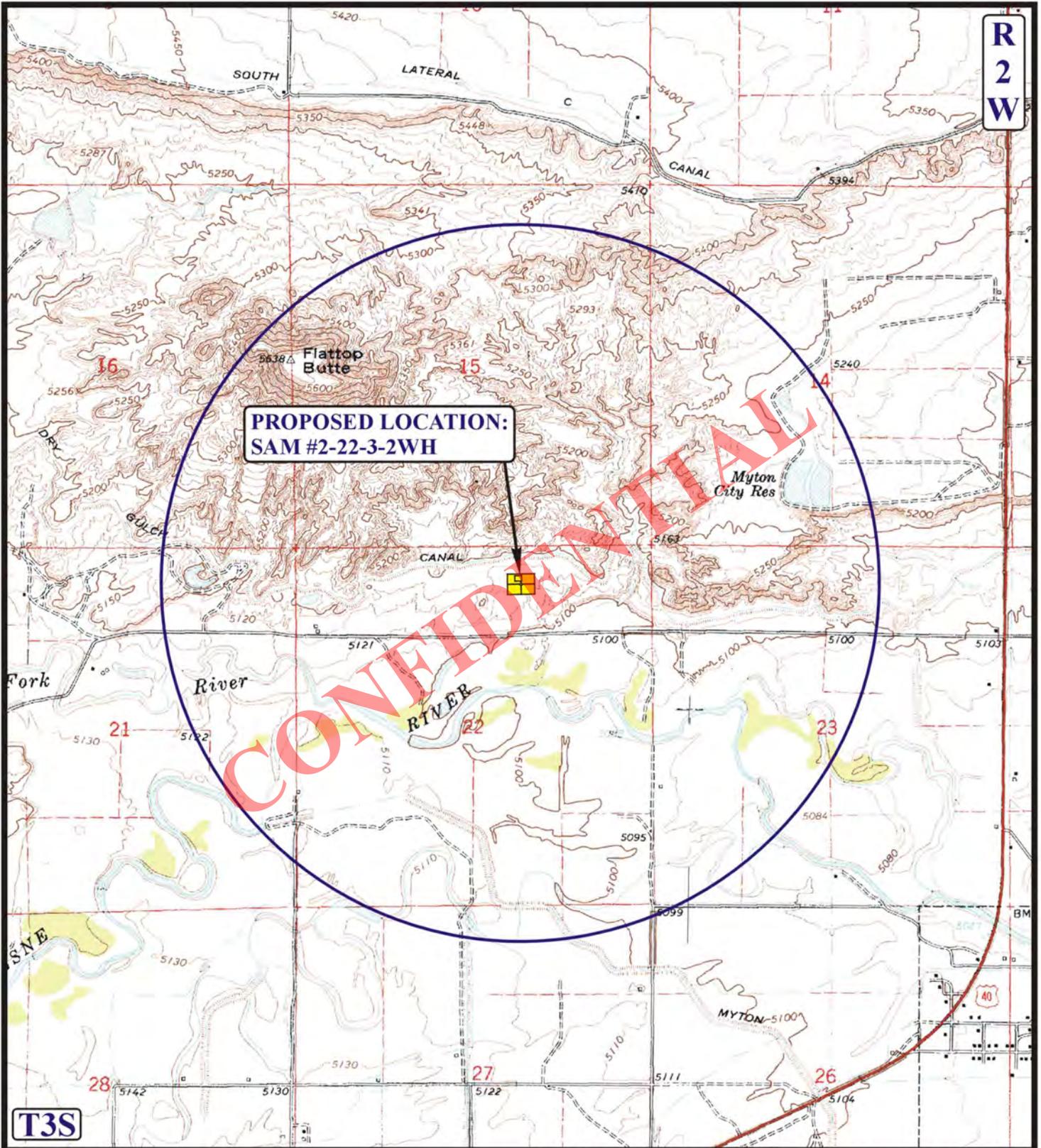
**NEWFIELD EXPLORATION COMPANY**

**SAM #2-22-3-2WH  
SECTION 22, T3S, R2W, U.S.B.&M.  
558' FNL 1943' FEL**

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



<b>ACCESS ROAD MAP</b>	<b>08 29 12</b> MONTH DAY YEAR	<b>B TOPO</b>
SCALE: 1" = 2000'	DRAWN BY: C.L. REVISED: 11-05-12	



**PROPOSED LOCATION:  
SAM #2-22-3-2WH**

**CONFIDENTIAL**

**T3S**

**R  
2  
W**

**LEGEND:**

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

**NEWFIELD EXPLORATION COMPANY**

**SAM #2-22-3-2WH  
SECTION 22, T3S, R2W, U.S.B.&M.  
558' FNL 1943' FEL**

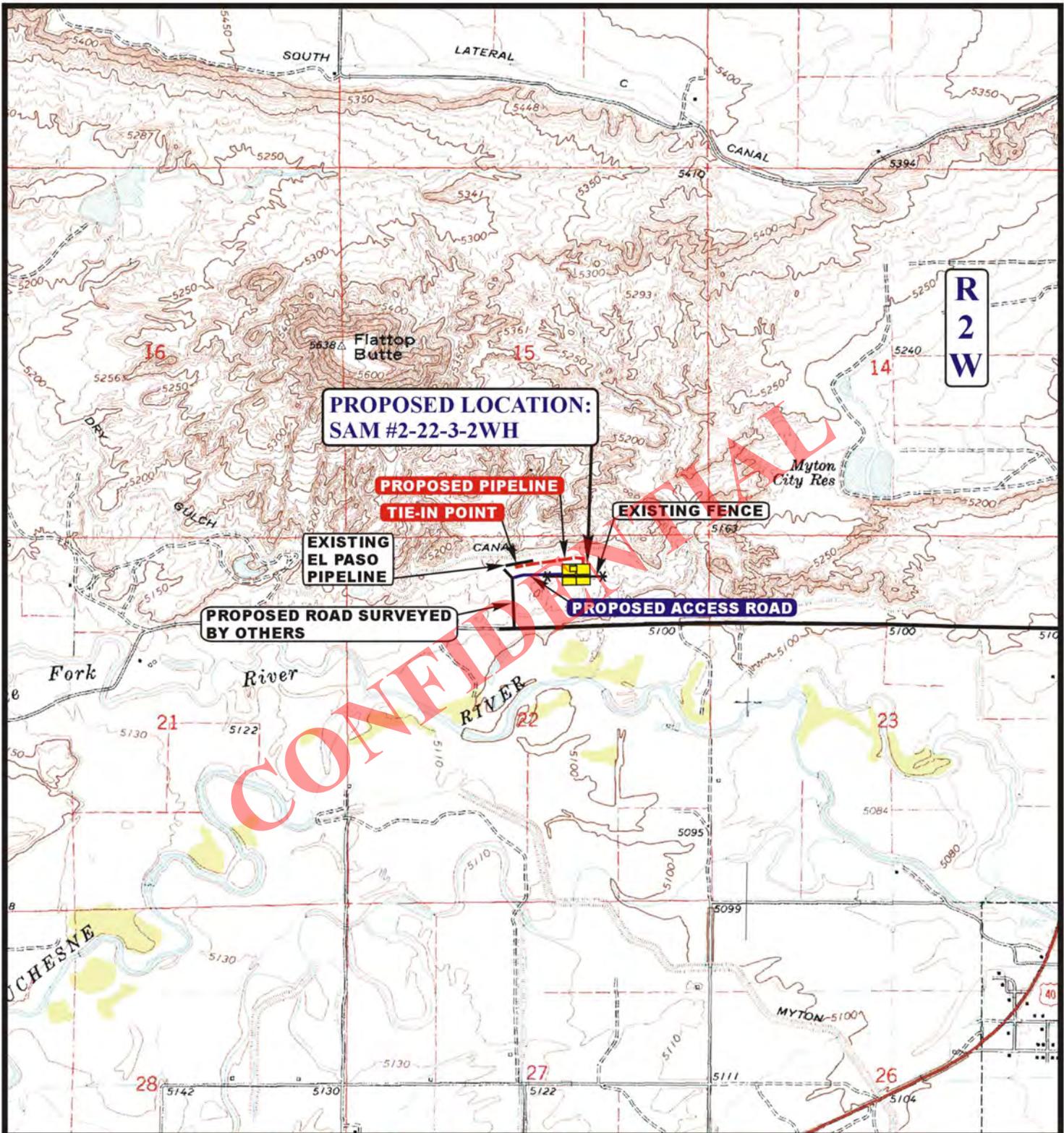


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 08 29 12  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 11-05-12





**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,089' +/-**

**LEGEND:**

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

**NEWFIELD EXPLORATION COMPANY**

**SAM #2-22-3-2WH  
SECTION 22, T3S, R2W, U.S.B.&M.  
558' FNL 1943' FEL**



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



**TOPOGRAPHIC MAP** 08 29 12  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 11-05-12



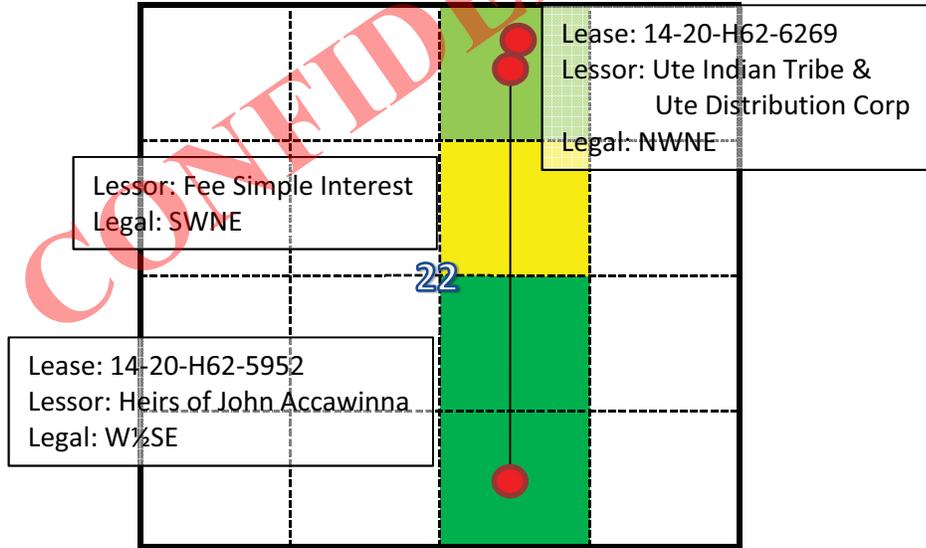
**Sam 2-22-3-2WH**

SHL 558' FNL & 1943' FEL

Top of Producing Interval 660' FNL & 1980' FEL

BHL 660' FSL & 1980' FEL

**Township 3 South, Range 2 West, Section 22: W½E½**



# Newfield Exploration Company

Duchesne County, UT  
Sec. 22-T3S-R2W  
2-22-3-2WH

Plan A Rev 1

Plan: Plan A Rev 1 Proposal

## Sperry Drilling Services Proposal Report

24 October, 2012

Well Coordinates: 7,249,554.38 N, 2,033,343.47 E (40° 12' 48.31" N, 110° 05' 34.61" W)

Ground Level: 5,132.00 ft

Local Coordinate Origin:	Centered on Well 2-22-3-2WH
Viewing Datum:	RKB 18' @ 5150.00ft (Unknown Rig)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 431

**HALLIBURTON**

Project: Duchesne County, UT  
 Site: Sec. 22-T3S-R2W  
 Well: 2-22-3-2WH  
 Wellbore: Plan A Rev 1  
 Design: Plan A Rev 1 Proposal

# Newfield Exploration Company

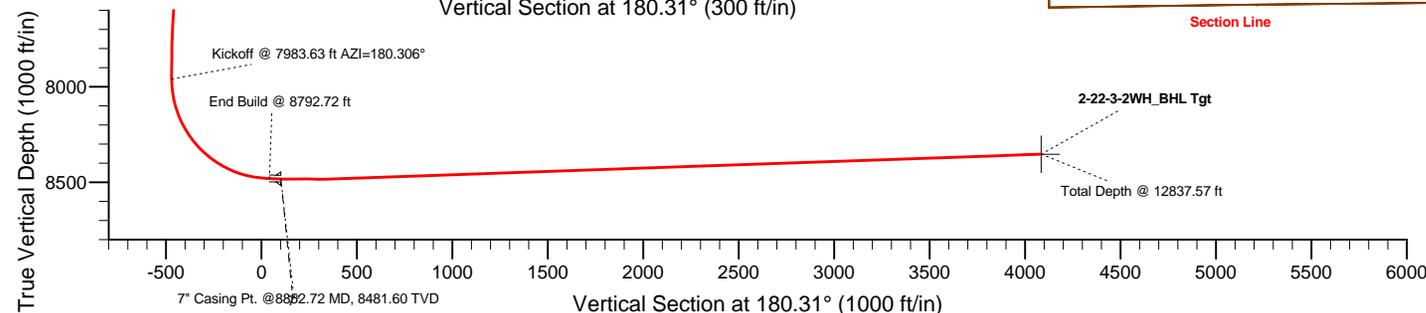
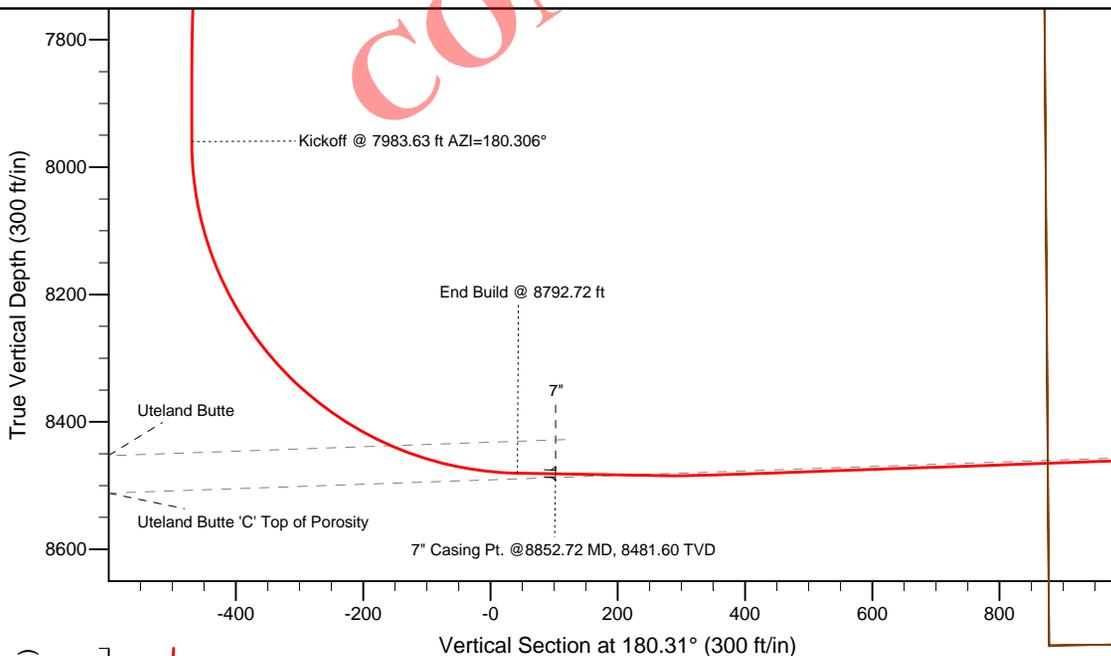
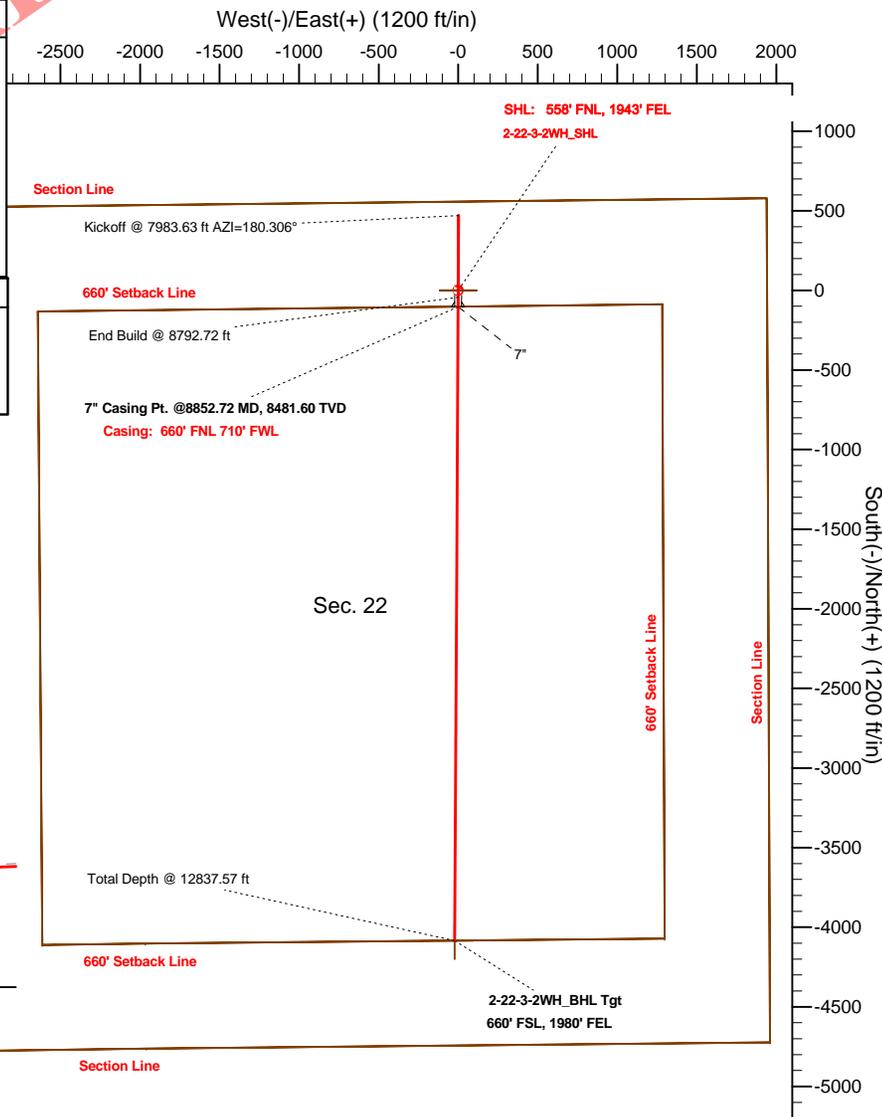


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-/S	+E-/W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
2	3000.00	0.00	0.000	3000.00	0.00	0.00	0.00	0.00	0.00	
3	3400.00	6.00	0.306	3399.27	20.92	0.11	1.50	0.31	-20.92	
4	7490.00	6.00	0.306	7466.86	448.44	2.40	0.00	0.00	-448.45	
5	7890.00	0.00	0.000	7866.13	469.36	2.51	1.50	180.00	-469.37	
6	7983.63	0.00	0.000	7959.76	469.36	2.51	0.00	0.00	-469.37	
7	8792.72	89.00	180.306	8480.55	-42.41	-0.23	11.00	180.31	42.41	
8	8852.72	89.00	180.306	8481.60	-102.40	-0.55	0.00	0.00	102.40	
9	9002.72	89.00	180.306	8484.22	-252.37	-1.35	0.00	0.00	252.38	
10	9102.72	92.00	180.306	8483.34	-352.36	-1.88	3.00	0.00	352.36	
11	12837.57	92.00	180.306	8353.00	-4084.88	-21.82	0.00	0.00	4084.93	2-22-3-2WH_BHL Tgt

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N-/S	+E-/W	Northing	Easting	Latitude	Longitude	Shape
2-22-3-2WH_Section Lines (Lat/Long)	0.00	0.00	0.00	7249554.38	2033343.47	40° 12' 48.308 N	110° 5' 34.609 W	Polygon
2-22-3-2WH_Setback Lines (Lat/Long)	0.00	0.00	0.00	7249554.38	2033343.47	40° 12' 48.308 N	110° 5' 34.609 W	Polygon
2-22-3-2WH_SHL	0.00	0.00	0.00	7249554.38	2033343.47	40° 12' 48.308 N	110° 5' 34.609 W	Point
2-22-3-2WH_BHL Tgt	8353.00	-4084.88	-21.79	7245469.99	2033385.94	40° 12' 7.942 N	110° 5' 34.890 W	Point



WELL DETAILS: 2-22-3-2WH				
Ground Level:		5132.00		
Northing	Easting	Latitude	Longitude	
7249554.38	2033343.47	40° 12' 48.308 N	110° 5' 34.609 W	
<b>Plan A Rev 1 Proposal (2-22-3-2WH)</b>				
Created By: Jerry Popp			Date: 10/24/2012	
Checked: _____			Date: _____	

**HALLIBURTON****Plan Report for 2-22-3-2WH - Plan A Rev 1 Proposal**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.000	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.000	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.000	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.000	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.000	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.000	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.000	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.000	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.000	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.000	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.000	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.000	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.000	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.000	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.000	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	1.50	0.306	3,099.99	1.31	0.01	-1.31	1.50	1.50	0.00	0.31
3,200.00	3.00	0.306	3,199.91	5.23	0.03	-5.23	1.50	1.50	0.00	0.00
3,300.00	4.50	0.306	3,299.69	11.77	0.06	-11.77	1.50	1.50	0.00	0.00
3,400.00	6.00	0.306	3,399.27	20.92	0.11	-20.92	1.50	1.50	0.00	0.00
3,500.00	6.00	0.306	3,498.72	31.38	0.17	-31.38	0.00	0.00	0.00	0.00
3,600.00	6.00	0.306	3,598.17	41.83	0.22	-41.83	0.00	0.00	0.00	0.00
3,700.00	6.00	0.306	3,697.63	52.28	0.28	-52.28	0.00	0.00	0.00	0.00
3,800.00	6.00	0.306	3,797.08	62.74	0.34	-62.74	0.00	0.00	0.00	0.00
3,900.00	6.00	0.306	3,896.53	73.19	0.39	-73.19	0.00	0.00	0.00	0.00
4,000.00	6.00	0.306	3,995.98	83.64	0.45	-83.64	0.00	0.00	0.00	0.00
4,100.00	6.00	0.306	4,095.43	94.09	0.50	-94.09	0.00	0.00	0.00	0.00
4,200.00	6.00	0.306	4,194.89	104.55	0.56	-104.55	0.00	0.00	0.00	0.00
4,300.00	6.00	0.306	4,294.34	115.00	0.61	-115.00	0.00	0.00	0.00	0.00
4,400.00	6.00	0.306	4,393.79	125.45	0.67	-125.45	0.00	0.00	0.00	0.00
4,500.00	6.00	0.306	4,493.24	135.90	0.73	-135.91	0.00	0.00	0.00	0.00
4,600.00	6.00	0.306	4,592.70	146.36	0.78	-146.36	0.00	0.00	0.00	0.00
4,700.00	6.00	0.306	4,692.15	156.81	0.84	-156.81	0.00	0.00	0.00	0.00
4,800.00	6.00	0.306	4,791.60	167.26	0.89	-167.26	0.00	0.00	0.00	0.00
4,900.00	6.00	0.306	4,891.05	177.71	0.95	-177.72	0.00	0.00	0.00	0.00
5,000.00	6.00	0.306	4,990.50	188.17	1.00	-188.17	0.00	0.00	0.00	0.00
5,100.00	6.00	0.306	5,089.96	198.62	1.06	-198.62	0.00	0.00	0.00	0.00
5,200.00	6.00	0.306	5,189.41	209.07	1.12	-209.08	0.00	0.00	0.00	0.00
5,300.00	6.00	0.306	5,288.86	219.53	1.17	-219.53	0.00	0.00	0.00	0.00
5,400.00	6.00	0.306	5,388.31	229.98	1.23	-229.98	0.00	0.00	0.00	0.00
5,500.00	6.00	0.306	5,487.77	240.43	1.28	-240.43	0.00	0.00	0.00	0.00
5,600.00	6.00	0.306	5,587.22	250.88	1.34	-250.89	0.00	0.00	0.00	0.00
5,700.00	6.00	0.306	5,686.67	261.34	1.40	-261.34	0.00	0.00	0.00	0.00
5,800.00	6.00	0.306	5,786.12	271.79	1.45	-271.79	0.00	0.00	0.00	0.00

## Plan Report for 2-22-3-2WH - Plan A Rev 1 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
5,900.00	6.00	0.306	5,885.57	282.24	1.51	-282.25	0.00	0.00	0.00	0.00
6,000.00	6.00	0.306	5,985.03	292.69	1.56	-292.70	0.00	0.00	0.00	0.00
6,100.00	6.00	0.306	6,084.48	303.15	1.62	-303.15	0.00	0.00	0.00	0.00
6,200.00	6.00	0.306	6,183.93	313.60	1.67	-313.60	0.00	0.00	0.00	0.00
6,300.00	6.00	0.306	6,283.38	324.05	1.73	-324.06	0.00	0.00	0.00	0.00
6,400.00	6.00	0.306	6,382.84	334.51	1.79	-334.51	0.00	0.00	0.00	0.00
6,500.00	6.00	0.306	6,482.29	344.96	1.84	-344.96	0.00	0.00	0.00	0.00
6,600.00	6.00	0.306	6,581.74	355.41	1.90	-355.42	0.00	0.00	0.00	0.00
6,700.00	6.00	0.306	6,681.19	365.86	1.95	-365.87	0.00	0.00	0.00	0.00
6,800.00	6.00	0.306	6,780.64	376.32	2.01	-376.32	0.00	0.00	0.00	0.00
6,900.00	6.00	0.306	6,880.10	386.77	2.07	-386.77	0.00	0.00	0.00	0.00
7,000.00	6.00	0.306	6,979.55	397.22	2.12	-397.23	0.00	0.00	0.00	0.00
7,100.00	6.00	0.306	7,079.00	407.67	2.18	-407.68	0.00	0.00	0.00	0.00
7,200.00	6.00	0.306	7,178.45	418.13	2.23	-418.13	0.00	0.00	0.00	0.00
7,300.00	6.00	0.306	7,277.90	428.58	2.29	-428.59	0.00	0.00	0.00	0.00
7,400.00	6.00	0.306	7,377.36	439.03	2.34	-439.04	0.00	0.00	0.00	0.00
7,490.00	6.00	0.306	7,466.86	448.44	2.40	-448.45	0.00	0.00	0.00	0.00
7,500.00	5.85	0.306	7,476.81	449.47	2.40	-449.48	1.50	-1.50	0.00	180.00
7,600.00	4.35	0.306	7,576.41	458.36	2.45	-458.37	1.50	-1.50	0.00	180.00
7,700.00	2.85	0.306	7,676.21	464.64	2.48	-464.65	1.50	-1.50	0.00	180.00
7,800.00	1.35	0.306	7,776.14	468.30	2.50	-468.31	1.50	-1.50	0.00	180.00
7,890.00	0.00	0.000	7,866.13	469.36	2.51	-469.37	1.50	-1.50	0.00	-180.00
7,900.00	0.00	0.000	7,876.13	469.36	2.51	-469.37	0.00	0.00	0.00	0.00
7,983.63	0.00	0.000	7,959.76	469.36	2.51	-469.37	0.00	0.00	0.00	0.00
<b>Kickoff @ 7983.63 ft AZI=180.306°</b>										
8,000.00	1.80	180.306	7,976.13	469.11	2.51	-469.11	11.00	11.00	0.00	180.31
8,050.00	7.30	180.306	8,025.95	465.14	2.48	-465.15	11.00	11.00	0.00	0.00
8,100.00	12.80	180.306	8,075.17	456.42	2.44	-456.42	11.00	11.00	0.00	0.00
8,150.00	18.30	180.306	8,123.32	443.02	2.37	-443.03	11.00	11.00	0.00	0.00
8,200.00	23.80	180.306	8,169.96	425.07	2.27	-425.07	11.00	11.00	0.00	0.00
8,250.00	29.30	180.306	8,214.67	402.73	2.15	-402.73	11.00	11.00	0.00	0.00
8,300.00	34.80	180.306	8,257.04	376.20	2.01	-376.21	11.00	11.00	0.00	0.00
8,350.00	40.30	180.306	8,296.66	345.74	1.85	-345.75	11.00	11.00	0.00	0.00
8,400.00	45.80	180.306	8,333.18	311.62	1.66	-311.63	11.00	11.00	0.00	0.00
8,450.00	51.30	180.306	8,366.27	274.16	1.46	-274.16	11.00	11.00	0.00	0.00
8,500.00	56.80	180.306	8,395.61	233.70	1.25	-233.70	11.00	11.00	0.00	0.00
8,550.00	62.30	180.306	8,420.94	190.61	1.02	-190.61	11.00	11.00	0.00	0.00
8,588.23	66.51	180.306	8,437.45	156.14	0.83	-156.14	11.00	11.00	0.00	0.00
<b>Uteland Butte</b>										
8,600.00	67.80	180.306	8,442.02	145.30	0.78	-145.30	11.00	11.00	0.00	0.00
8,650.00	73.30	180.306	8,458.66	98.17	0.52	-98.17	11.00	11.00	0.00	0.00
8,700.00	78.80	180.306	8,470.71	49.66	0.27	-49.66	11.00	11.00	0.00	0.00
8,750.00	84.30	180.306	8,478.06	0.22	0.00	-0.22	11.00	11.00	0.00	0.00
8,792.72	89.00	180.306	8,480.55	-42.41	-0.23	42.41	11.00	11.00	0.00	0.00
<b>End Build @ 8792.72 ft</b>										
8,800.00	89.00	180.306	8,480.68	-49.69	-0.27	49.69	0.00	0.00	0.00	0.00
8,852.72	89.00	180.306	8,481.60	-102.40	-0.55	102.40	0.00	0.00	0.00	0.00
<b>7" Casing Pt. @8852.72 MD, 8481.60 TVD - 7"</b>										
8,900.00	89.00	180.306	8,482.42	-149.67	-0.80	149.68	0.00	0.00	0.00	0.00
8,963.96	89.00	180.306	8,483.54	-213.62	-1.14	213.63	0.00	0.00	0.00	0.00
<b>Uteland Butte 'C' Top of Porosity</b>										
9,002.72	89.00	180.306	8,484.22	-252.37	-1.35	252.38	0.00	0.00	0.00	0.00
9,102.72	92.00	180.306	8,483.34	-352.36	-1.88	352.36	3.00	3.00	0.00	0.00
9,200.00	92.00	180.306	8,479.95	-449.58	-2.40	449.59	0.00	0.00	0.00	0.00
9,300.00	92.00	180.306	8,476.46	-549.52	-2.93	549.52	0.00	0.00	0.00	0.00
9,400.00	92.00	180.306	8,472.97	-649.45	-3.47	649.46	0.00	0.00	0.00	0.00
9,500.00	92.00	180.306	8,469.48	-749.39	-4.00	749.40	0.00	0.00	0.00	0.00
9,600.00	92.00	180.306	8,465.99	-849.33	-4.54	849.34	0.00	0.00	0.00	0.00
9,700.00	92.00	180.306	8,462.50	-949.27	-5.07	949.28	0.00	0.00	0.00	0.00

**HALLIBURTON****Plan Report for 2-22-3-2WH - Plan A Rev 1 Proposal**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
9,800.00	92.00	180.306	8,459.01	-1,049.20	-5.60	1,049.22	0.00	0.00	0.00	0.00
9,900.00	92.00	180.306	8,455.52	-1,149.14	-6.14	1,149.16	0.00	0.00	0.00	0.00
10,000.00	92.00	180.306	8,452.03	-1,249.08	-6.67	1,249.10	0.00	0.00	0.00	0.00
10,100.00	92.00	180.306	8,448.54	-1,349.02	-7.20	1,349.04	0.00	0.00	0.00	0.00
10,200.00	92.00	180.306	8,445.05	-1,448.96	-7.74	1,448.98	0.00	0.00	0.00	0.00
10,300.00	92.00	180.306	8,441.56	-1,548.89	-8.27	1,548.91	0.00	0.00	0.00	0.00
10,400.00	92.00	180.306	8,438.07	-1,648.83	-8.81	1,648.85	0.00	0.00	0.00	0.00
10,500.00	92.00	180.306	8,434.58	-1,748.77	-9.34	1,748.79	0.00	0.00	0.00	0.00
10,600.00	92.00	180.306	8,431.09	-1,848.71	-9.87	1,848.73	0.00	0.00	0.00	0.00
10,700.00	92.00	180.306	8,427.60	-1,948.64	-10.41	1,948.67	0.00	0.00	0.00	0.00
10,800.00	92.00	180.306	8,424.11	-2,048.58	-10.94	2,048.61	0.00	0.00	0.00	0.00
10,900.00	92.00	180.306	8,420.62	-2,148.52	-11.47	2,148.55	0.00	0.00	0.00	0.00
11,000.00	92.00	180.306	8,417.13	-2,248.46	-12.01	2,248.49	0.00	0.00	0.00	0.00
11,100.00	92.00	180.306	8,413.64	-2,348.39	-12.54	2,348.43	0.00	0.00	0.00	0.00
11,200.00	92.00	180.306	8,410.15	-2,448.33	-13.08	2,448.37	0.00	0.00	0.00	0.00
11,300.00	92.00	180.306	8,406.66	-2,548.27	-13.61	2,548.31	0.00	0.00	0.00	0.00
11,400.00	92.00	180.306	8,403.17	-2,648.21	-14.14	2,648.24	0.00	0.00	0.00	0.00
11,500.00	92.00	180.306	8,399.68	-2,748.14	-14.68	2,748.18	0.00	0.00	0.00	0.00
11,600.00	92.00	180.306	8,396.19	-2,848.08	-15.21	2,848.12	0.00	0.00	0.00	0.00
11,700.00	92.00	180.306	8,392.70	-2,948.02	-15.74	2,948.06	0.00	0.00	0.00	0.00
11,800.00	92.00	180.306	8,389.21	-3,047.96	-16.28	3,048.00	0.00	0.00	0.00	0.00
11,900.00	92.00	180.306	8,385.72	-3,147.90	-16.81	3,147.94	0.00	0.00	0.00	0.00
12,000.00	92.00	180.306	8,382.23	-3,247.83	-17.35	3,247.88	0.00	0.00	0.00	0.00
12,100.00	92.00	180.306	8,378.74	-3,347.77	-17.88	3,347.82	0.00	0.00	0.00	0.00
12,200.00	92.00	180.306	8,375.25	-3,447.71	-18.41	3,447.76	0.00	0.00	0.00	0.00
12,300.00	92.00	180.306	8,371.76	-3,547.65	-18.95	3,547.70	0.00	0.00	0.00	0.00
12,400.00	92.00	180.306	8,368.27	-3,647.58	-19.48	3,647.64	0.00	0.00	0.00	0.00
12,500.00	92.00	180.306	8,364.78	-3,747.52	-20.01	3,747.57	0.00	0.00	0.00	0.00
12,600.00	92.00	180.306	8,361.29	-3,847.46	-20.55	3,847.51	0.00	0.00	0.00	0.00
12,700.00	92.00	180.306	8,357.80	-3,947.40	-21.08	3,947.45	0.00	0.00	0.00	0.00
12,800.00	92.00	180.306	8,354.31	-4,047.33	-21.62	4,047.39	0.00	0.00	0.00	0.00
12,837.57	92.00	180.306	8,353.00	-4,084.88	-21.82	4,084.93	0.00	0.00	0.00	0.00

2-22-3-2WH\_BHL Tgt

**Plan Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,983.63	7,959.76	469.36	2.51	Kickoff @ 7983.63 ft AZI=180.306°
8,792.72	8,480.55	-42.41	-0.23	End Build @ 8792.72 ft
8,852.72	8,481.60	-102.40	-0.55	7" Casing Pt. @8852.72 MD, 8481.60 TVD
12,837.57	8,353.00	-4,084.88	-21.82	Total Depth @ 12837.57 ft

**Vertical Section Information**

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	2-22-3-2WH_BHL Tgt	180.306	Slot	0.00	0.00	0.00

**Survey tool program**

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	12,837.57	Plan A Rev 1 Proposal	MWD

**HALLIBURTON****Plan Report for 2-22-3-2WH - Plan A Rev 1 Proposal****Casing Details**

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,852.72	8,481.60	7"	7	8-3/4

**Formation Details**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
8,588.23	8,432.00	Uteland Butte		-2.00	180.306
8,963.96	8,491.00	Uteland Butte 'C' Top of Porosity		-2.00	180.306

**Targets associated with this wellbore**

Target Name	TVD (ft)	+N-S (ft)	+E-W (ft)	Shape
2-22-3-2WH_BHL Tgt	8,353.00	-4,084.88	-21.79	Point
2-22-3-2WH_SHL	0.00	0.00	0.00	Point
2-22-3-2WH_Section Lines (Lat/Long)	0.00	0.00	0.00	Polygon
2-22-3-2WH_Setback Lines (Lat/Long)	0.00	0.00	0.00	Polygon

CONFIDENTIAL

**HALLIBURTON****North Reference Sheet for Sec. 22-T3S-R2W - 2-22-3-2WH - Plan A Rev 1**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 18' @ 5150.00ft (Unknown Rig). Northing and Easting are relative to 2-22-3-2WH

Coordinate System is US State Plane 1983, Utah Central Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -111.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 1,640,416.67ft, False Northing: 6,561,666.67ft, Scale Reduction: 0.99992059

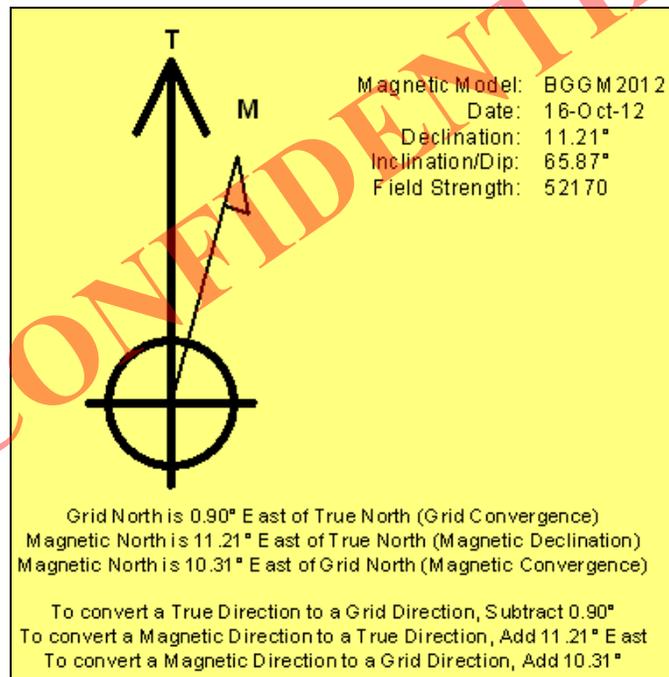
Grid Coordinates of Well: 7,249,554.38 ft N, 2,033,343.47 ft E

Geographical Coordinates of Well: 40° 12' 48.31" N, 110° 05' 34.61" W

Grid Convergence at Surface is: 0.90°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,837.57ft  
the Bottom Hole Displacement is 4,084.93ft in the Direction of 180.31° (True).

Magnetic Convergence at surface is: -10.31° (16 October 2012, , BGGM2012)



**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 Land Associate for Newfield Production Company, whose address is 1001 17<sup>th</sup> Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Sam 2-22-3-2WH well with a surface location to be positioned in the NWNE of Section 22, Township 3 South, Range 2 West (the "Drillsite Location"), and a bottom hole location to be positioned in the SWSE of Section 22, Township 3 South, Range 2 West, Duchesne County, Utah. The surface owner of the Drillsite Location is Scott and Vickie Mae Hagman, whose address is P.O. Box 1674, Roosevelt, UT 84066 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated September 6, 2012 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

  
 \_\_\_\_\_  
 Peter Burns

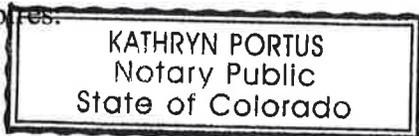
ACKNOWLEDGEMENT

STATE OF COLORADO           §  
   §  
 COUNTY OF DENVER           §

Before me, a Notary Public, in and for the State, on this 6th day of September, 2012, 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.

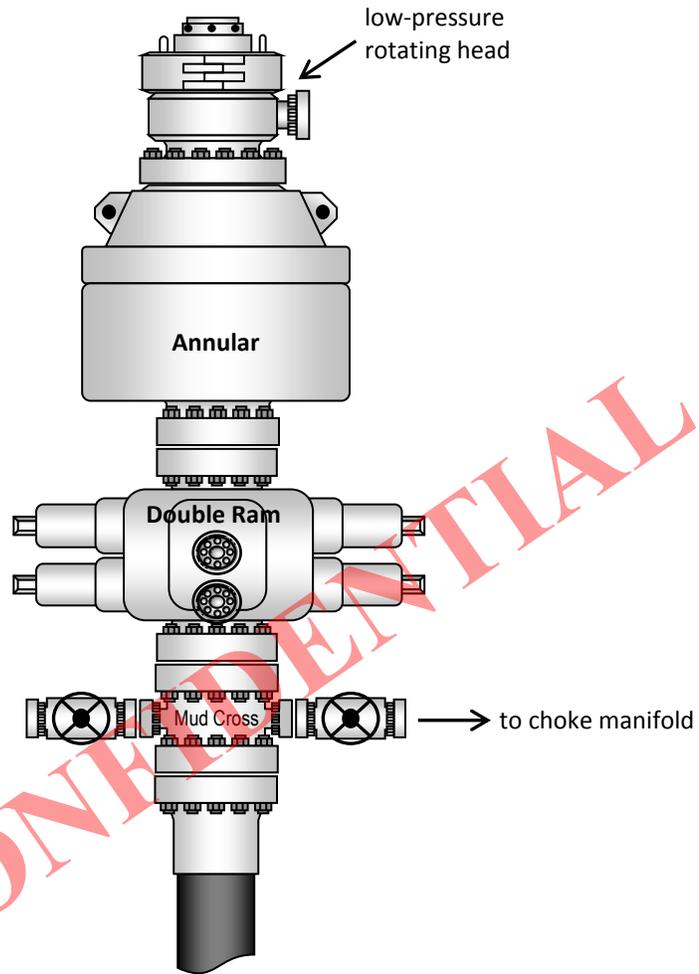
  
 \_\_\_\_\_  
 NOTARY PUBLIC

My Commission Expires.

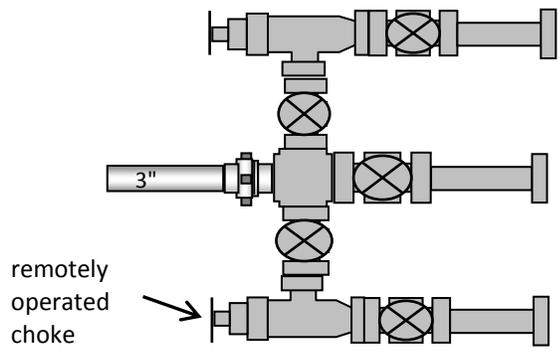


My Commission Expires February 09, 2013

### Typical 5M BOP stack configuration



### Typical 5M choke manifold configuration





October 29, 2012

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

RE: **Sam 2-22-3-2WH**  
Section 22, T3S, R2W  
Duchesne County, Utah

Dear Mr. Hill,

Newfield Production Company ("Newfield") proposes to drill the Sam 2-22-3-2WH from a surface location of 558' FNL & 1943' FEL of Section 22, T3S, R2W. Newfield shall case and cement the Sam 2-22-3-2WH wellbore from the surface location to the point where the wellbore reaches the legal setback of 660' FNL of Section 22, T3S, R2W. The cased and cemented portion of the wellbore shall not be perforated nor produced. In the event a future recompletion into the cased and cemented portion of the wellbore is proposed, Newfield shall file the appropriate application with the State.

Due to these circumstances, Newfield respectfully requests that DOGM administratively grant an exception location for the Sam 2-22-3-2WH.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-685-8025 or by email at [jdembeck@newfield.com](mailto:jdembeck@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink that reads "Jessica K. Dembeck".

Jessica K. Dembeck  
Land Associate

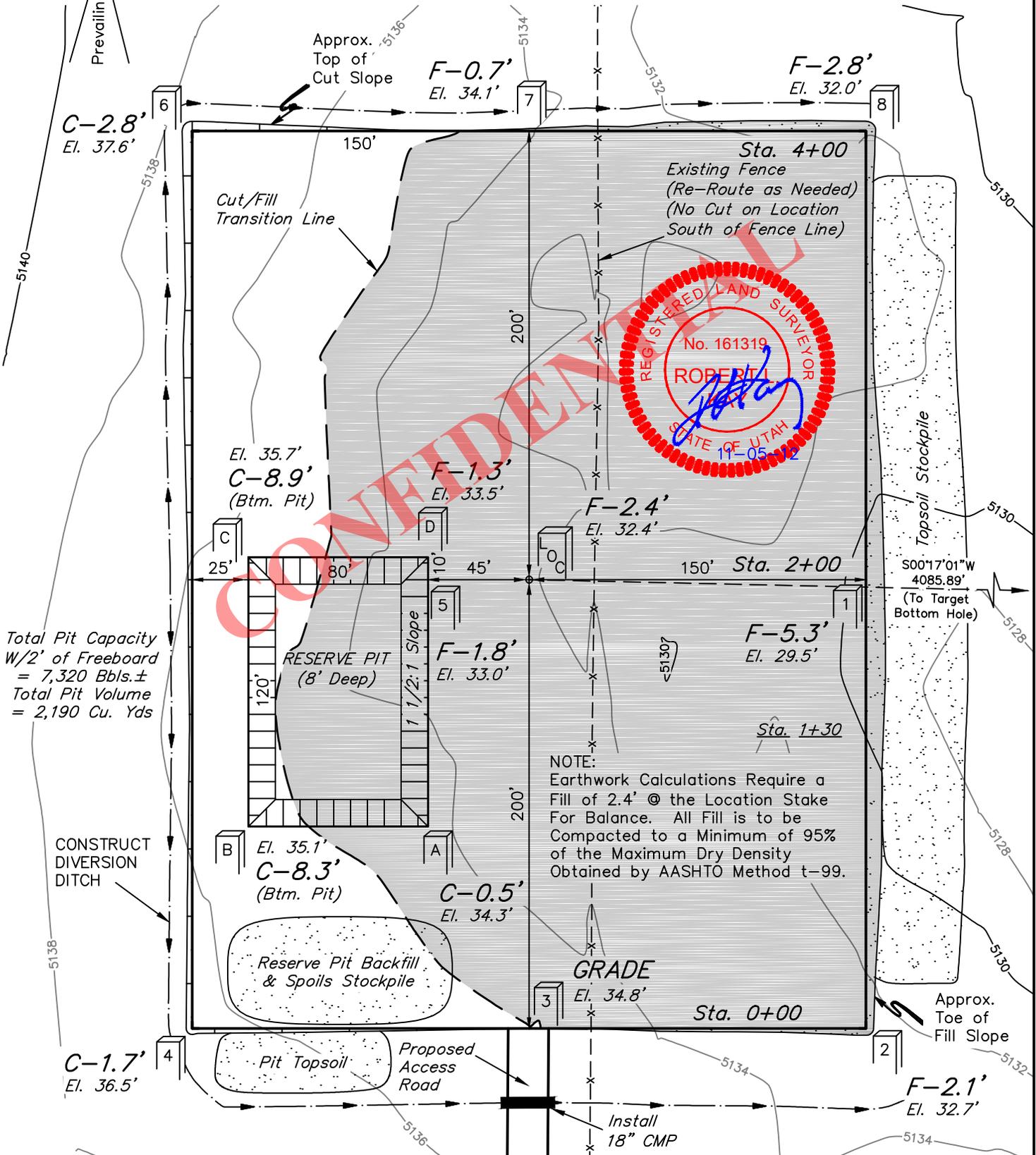
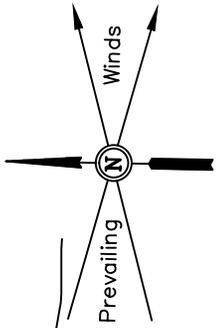
**NEWFIELD EXPLORATION COMPANY**

LOCATION LAYOUT FOR

SAM #2-22-3-2WH  
SECTION 22, T3S, R2W, U.S.B.&M.  
558' FNL 1943' FEL

**FIGURE #1**

SCALE: 1" = 60'  
DATE: 08-27-12  
DRAWN BY: S.F.  
REVISED: 11-05-12



Total Pit Capacity  
W/2' of Freeboard  
= 7,320 Bbls. ±  
Total Pit Volume  
= 2,190 Cu. Yds

NOTE:  
Earthwork Calculations Require a  
Fill of 2.4' @ the Location Stake  
For Balance. All Fill is to be  
Compacted to a Minimum of 95%  
of the Maximum Dry Density  
Obtained by AASHTO Method t-99.

Elev. Ungraded Ground At Loc. Stake = 5132.4'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5134.8'

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

**NEWFIELD EXPLORATION COMPANY**

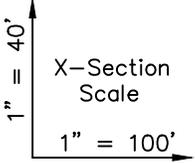
**FIGURE #2**

**TYPICAL CROSS SECTIONS FOR**

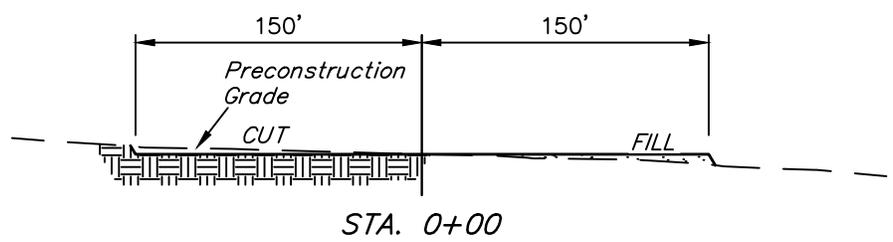
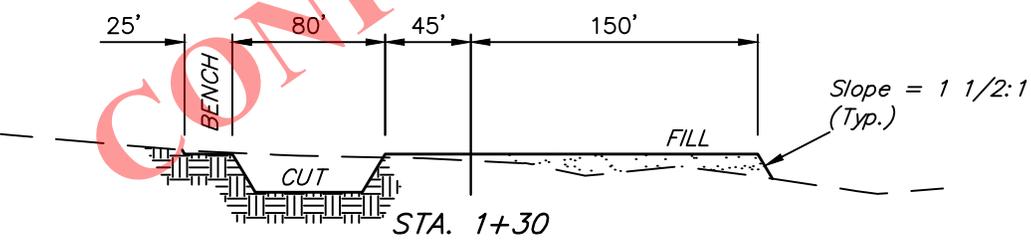
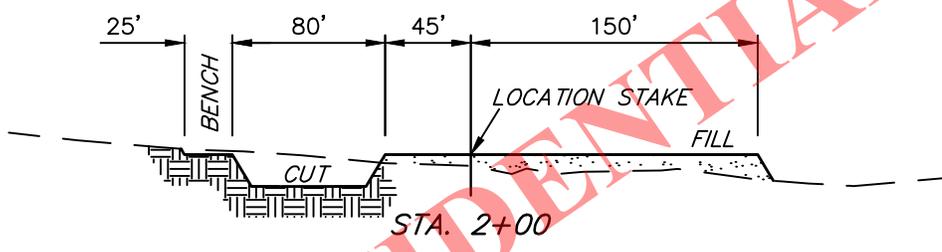
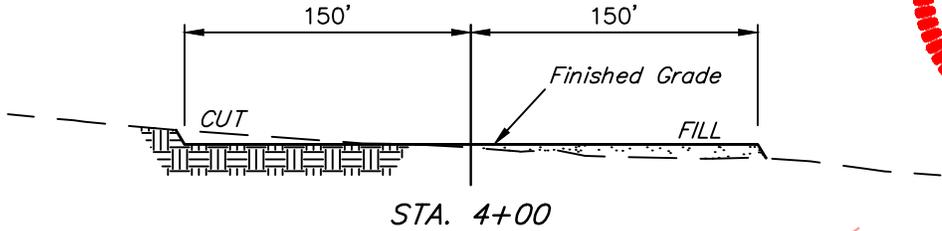
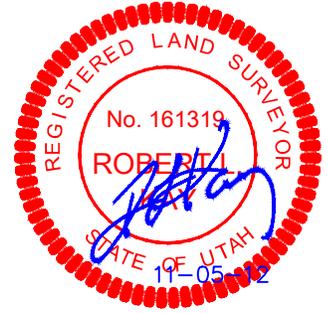
**SAM #2-22-3-2WH**

**SECTION 22, T3S, R2W, U.S.B.&M.**

**558' FNL 1943' FEL**



DATE: 08-27-12  
DRAWN BY: S.F.  
REVISED: 11-05-12



CONFIDENTIAL

**APPROXIMATE ACREAGES**  
 WELL SITE DISTURBANCE = ± 4.591 ACRES  
 ACCESS ROAD DISTURBANCE = ± 0.470 ACRES  
 PIPELINE DISTURBANCE = ± 0.715 ACRES  
 TOTAL = ± 5.776 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	=	2,310 Cu. Yds.
Remaining Location	=	2,370 Cu. Yds.
<b>TOTAL CUT</b>	=	<b>4,680 CU. YDS.</b>
<b>FILL</b>	=	<b>8,630 CU. YDS.</b>

DEFICIT MATERIAL	=	<3,950> Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,410 Cu. Yds.
DEFICIT UNBALANCE (After Interim Rehabilitation)	=	<7,360> Cu. Yds.

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

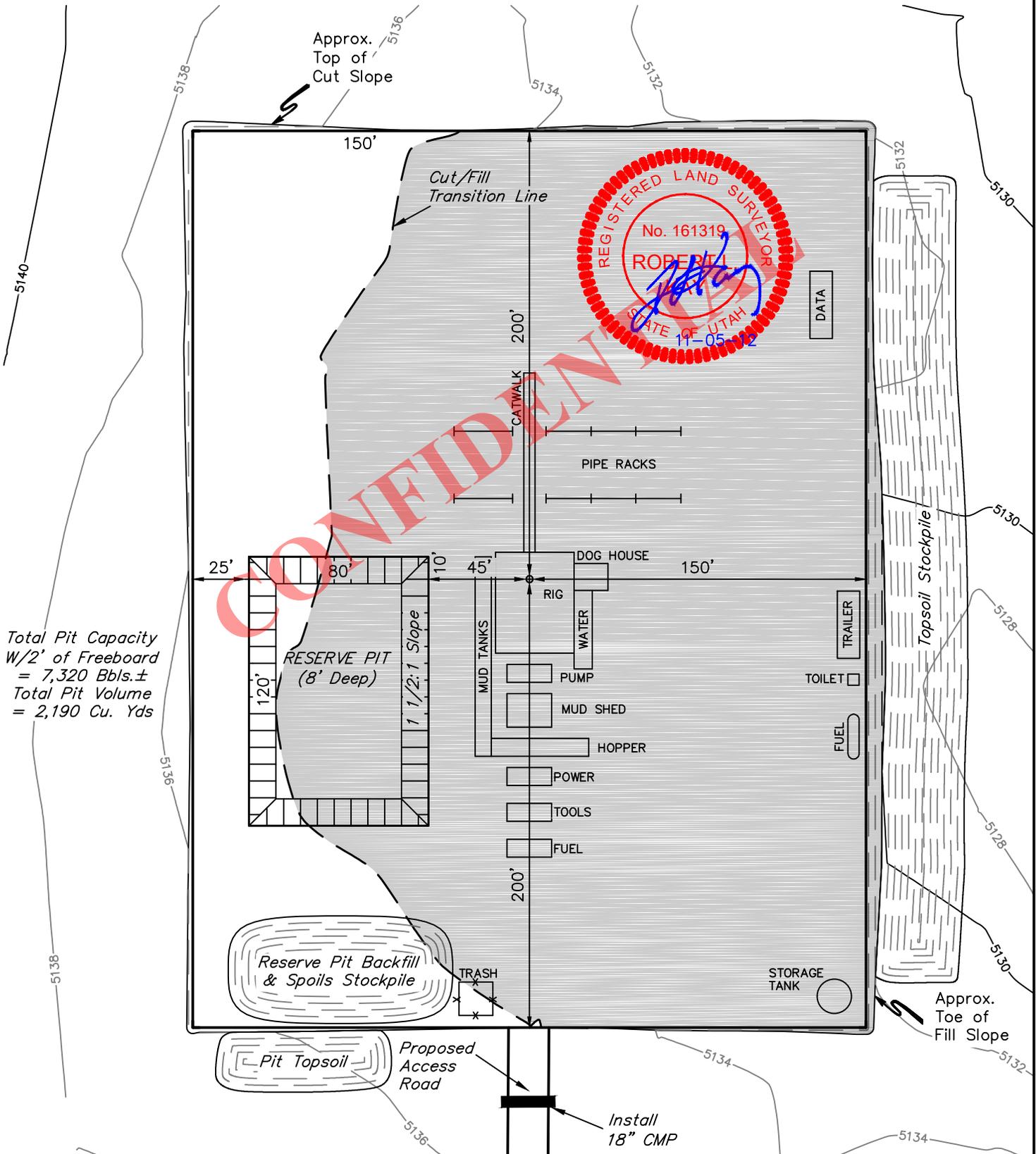
# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT FOR

SAM #2-22-3-2WH  
SECTION 22, T3S, R2W, U.S.B.&M.  
558' FNL 1943' FEL

**FIGURE #3**

SCALE: 1" = 60'  
DATE: 08-27-12  
DRAWN BY: S.F.  
REVISED: 11-05-12



Total Pit Capacity  
W/2' of Freeboard  
= 7,320 Bbls. ±  
Total Pit Volume  
= 2,190 Cu. Yds

**CONFIDENTIAL**

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

RECEIVED: November 13, 2012

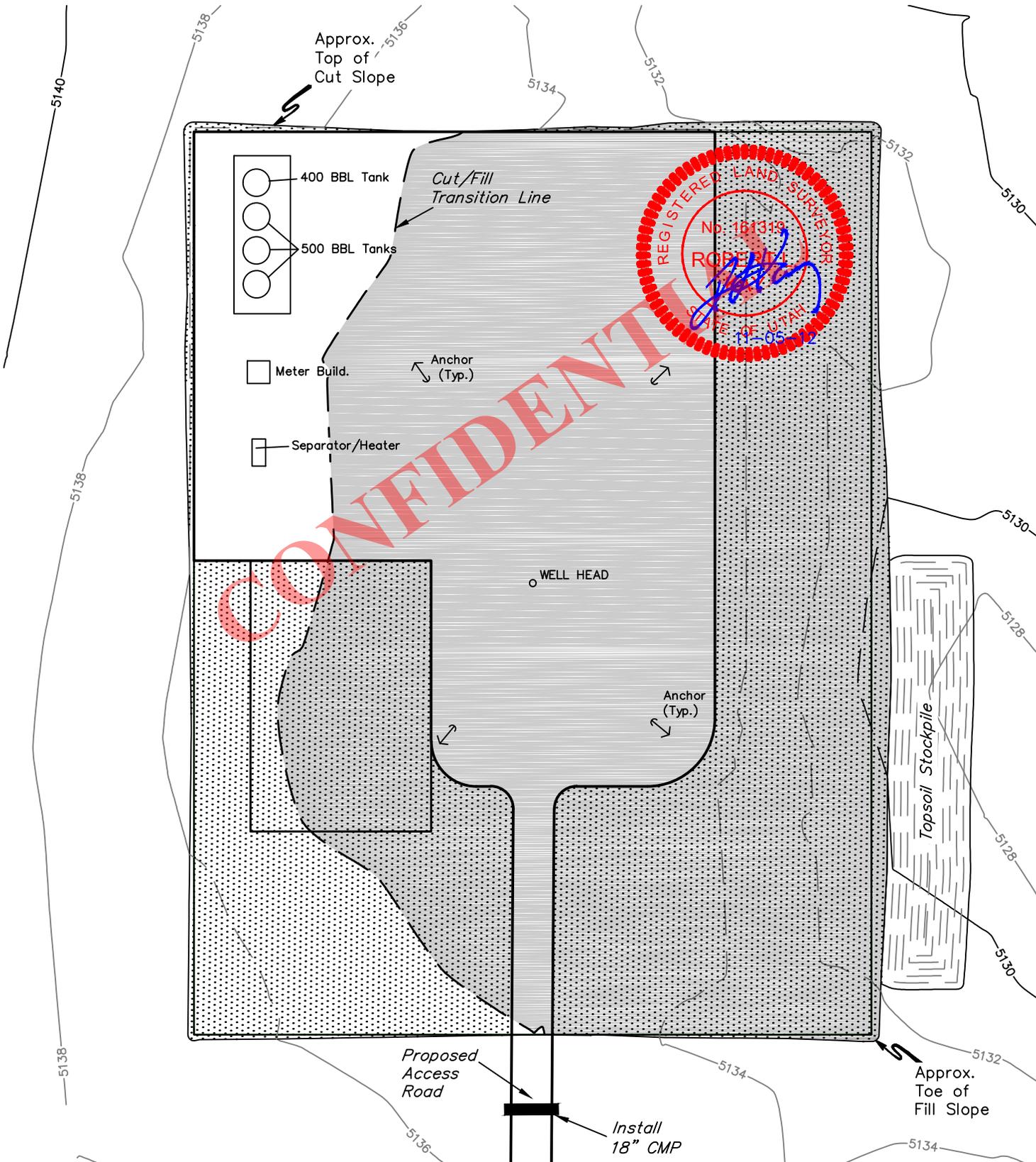
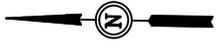
# NEWFIELD EXPLORATION COMPANY

## PRODUCTION FACILITY LAYOUT FOR

SAM #2-22-3-2WH  
SECTION 22, T3S, R2W, U.S.B.&M.  
558' FNL 1943' FEL

FIGURE #4

SCALE: 1" = 60'  
DATE: 08-27-12  
DRAWN BY: S.F.  
REVISED: 11-05-12



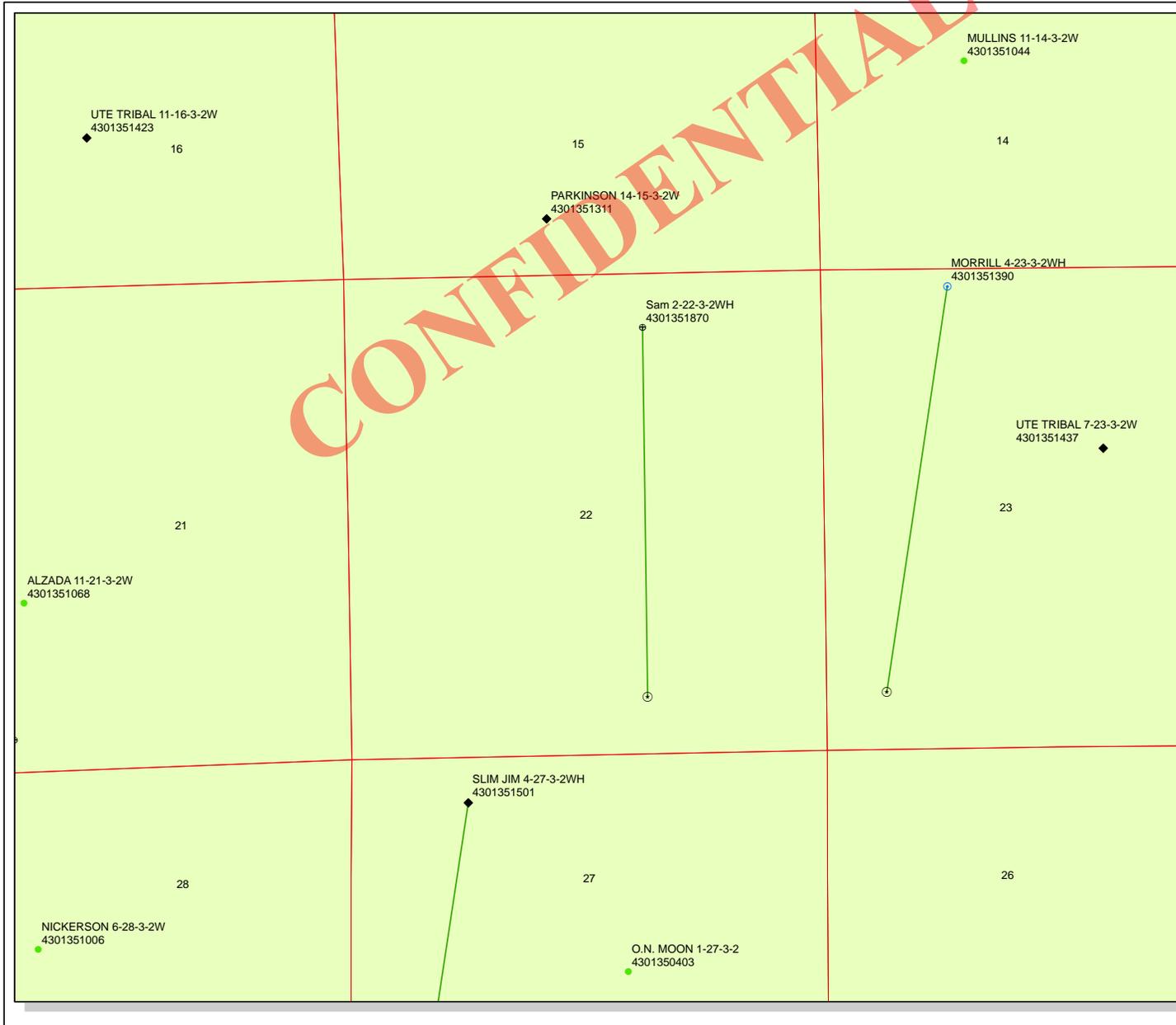
RECLAIMED AREA

APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 1.335 ACRES

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

RECEIVED: November 13, 2012

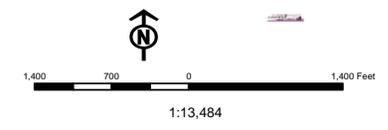
CONFIDENTIAL



**API Number: 4301351870**  
**Well Name: Sam 2-22-3-2WH**  
**Township T03.0S Range R02.0W Section 22**  
**Meridian: UBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

- |               |                                    |
|---------------|------------------------------------|
| <b>Units</b>  | <b>Wells Query</b>                 |
| <b>STATUS</b> | <b>STATUS</b>                      |
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LOC - New Location                 |
| P1 OIL        | OPS - Operation Suspended          |
| PP GAS        | PA - Plugged Abandoned             |
| PP GEOTHERM   | PGW - Producing Gas Well           |
| PP OIL        | POW - Producing Oil Well           |
| SECONDARY     | SGW - Shut-in Gas Well             |
| TERMINATED    | SOW - Shut-in Oil Well             |
| <b>Fields</b> | TA - Temp. Abandoned               |
| <b>STATUS</b> | TW - Test Well                     |
| ABANDONED     | WDW - Water Disposal               |
| ACTIVE        | WW - Water Injection Well          |
| COMBINED      | WSW - Water Supply Well            |
| INACTIVE      | Bottom Hole Location - Oil/Gas/Dib |
| STORAGE       |                                    |
| TERMINATED    |                                    |



# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Sam 2-22-3-2WH  
**API Number** 43013518700000      **APD No** 7141    **Field/Unit** WILDCAT  
**Location: 1/4,1/4** NWNE    **Sec** 22    **Tw** 3.0S    **Rng** 2.0W    558 FNL 1943 FEL  
**GPS Coord (UTM)** 577184 4451840      **Surface Owner** Scott and Vickie Mae Hagman

### Participants

T. Eaton, F. Bird, Z. Mc Intyre, J. Henderson– Newfield; S. Wysong, -BLM; D. Petty, Paul Hawks , - Tristate; Todd Sherman, Randy Freston - Outlaw Engineering; Scott Hagman - landowner

### Regional/Local Setting & Topography

The proposed action is in the Arcadia area in Duchesne County within a river floodplain below the North Myton bench. The location is just East of the fork where the Lake Fork River meets the Duchesne River. This intersection occurs within the same section as the proposed well. The Duchesne River is found within the same 1/4 1/4 of the said section and the proposed location is approximately 40 feet in elevation above the river. The city of Myton can be found approximately 8 miles Southeast. The area is characterized by clayey sandy soils with slopes of < 2% and a high water table surrounded by terracing and benches, both North and South, of several different elevations capped by sandstone cliffs over highly erodible soils consistent with river floodplain profiles. The occasional Butte can also be found. The immediate area is criss-crossed with numerous canals and associated laterals from the Lake Fork and Duchesne Rivers and Lake Boreham. The area has long been used for farming and ranching operations and has recently seen increasing development for petroleum extraction. The region is described by benches and associated terracing from the current flow of the Duchesne River and similar topographical features from historical flows. Much of these lands are in a floodplain and have rather high water tables. Agricultural activities are the predominant industry with increasing development for petroleum extraction dotting the landscape. The Duchesne River, New Hope, South Lateral and Dry Gulch canals, Eastern slopes of the Flattop Butte and Hwy 40 can all be found in a one mile radius.

### Surface Use Plan

#### **Current Surface Use**

Agricultural

#### **New Road Miles**

0.13

#### **Well Pad**

**Width** 300    **Length** 400

#### **Src Const Material**

Offsite

#### **Surface Formation**

UNTA

#### **Ancillary Facilities** N

materials to be brought in offsite as sub surface is clays used to cap closed landfill cell.

### Waste Management Plan Adequate?

Y

### Environmental Parameters

#### **Affected Floodplains and/or Wetlands** Y

Duchesne river less than 1/4 mile south. Location is + 40' in Elevation

#### **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;

Rabbit Brush, Greasewood and snake broom weed

Wildlife;

Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed. Disturbed soils onsite do not support habitat for wildlife.

Prairie dog towns were observed and found to be further excavated possibly by badgers

**Soil Type and Characteristics**

imported Clays

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** Y

rock will need to be imported for stability

**Drainage Diversion Required?** N

**Berm Required?** Y

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

<b>Site-Specific Factors</b>		<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	200 to 300	10
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	30    1 Sensitivity Level

**Characteristics / Requirements**

A 80' x 120' x 8' deep reserve pit is planned in an area of cut on the north side of the location. A pit liner is required. Newfield commonly uses a 30 mil liner with a felt underliner. 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? N Liner Required? Y Liner Thickness 30 Pit Underlayment Required? Y**

**Other Observations / Comments**

location on top of an old landfill  
Red tailed hawk nest near location

Chris Jensen  
**Evaluator**

11/28/2012  
**Date / Time**

**CONFIDENTIAL**

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7141	43013518700000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Scott and Vickie Mae Hagman	
<b>Well Name</b>	Sam 2-22-3-2WH		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWNE 22 3S 2W U 558 FNL (UTM) 577178E 4451828N		1943 FEL	GPS Coord	

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill  
APD Evaluator

12/27/2012  
Date / Time

**Surface Statement of Basis**

Location is proposed in a good location although very near the Duchesne River. Access road enters the pad from the West. The landowner was in attendance for the pre-site inspection. The soil type and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.

Construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Plans lack measures for importing materials but, was assured the entire pad will be constructed of imported materials as existing surface is a "cap" for a closed landfill.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area can be found adjacent the site to the East. The location was previously surveyed for cultural resources as the operator saw fit. I have advised an ESA consultation to be initiated to insure no disturbance to TES species that may or may not have not been seen during onsite visit.

The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 30 mils (minimum) should be utilized in the reserve pit.

Chris Jensen  
Onsite Evaluator

11/28/2012  
Date / Time

**Conditions of Approval / Application for Permit to Drill**

Category	Condition
Pits	A synthetic liner with a minimum thickness of 30 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The pad to be constructed on imported materials with minimal disturbance to clays capping landfill below.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/13/2012

API NO. ASSIGNED: 43013518700000

WELL NAME: Sam 2-22-3-2WH

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNE 22 030S 020W

Permit Tech Review: 

SURFACE: 0558 FNL 1943 FEL

Engineering Review: 

BOTTOM: 0660 FSL 1980 FEL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.21332

LONGITUDE: -110.09303

UTM SURF EASTINGS: 577178.00

NORTHINGS: 4451828.00

FIELD NAME: WILDCAT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-6269

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - RLB00100473
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle 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 - bhll  
4 - Federal Approval - dmason  
5 - Statement of Basis - bhll  
27 - Other - bhll



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:** Sam 2-22-3-2WH  
**API Well Number:** 43013518700000  
**Lease Number:** 14-20-H62-6269  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 12/27/2012

### Issued to:

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

### Authority:

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

### Duration:

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

### Exception Location:

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

### 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:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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.

**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 at 801-538-5284

(please leave a voicemail message if not available)

OR

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

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

**Reporting Requirements:**

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

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

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas



Diana Mason <dianawhitney@utah.gov>

---

## Request to Rescind Sam 2-22-3-2WH - Newfield Production Company

---

**Star Point Enterprises, Inc.** <starpoint@etv.net>

Tue, Jun 25, 2013 at 6:37 AM

Reply-To: starpoint@etv.net

To: Irobinson@blm.gov, dianawhitney@utah.gov

Cc: Kirby Carroll <kcarroll@newfield.com>, Matt Barber <mbarber@newfield.com>

Leslie and Diane;

Newfield Production Company requests that the BLM pending APD and UDOGM existing approval be rescinded for the Sam 2-22-3-2WH (43-013-51870).

Please let me know if I can provide additional information or if you require something more formal on this request.

Don Hamilton

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 13 2012

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER **BLM**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		<b>CONFIDENTIAL</b>		5. Lease Serial No. 1420H626269
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone				6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
2. Name of Operator NEWFIELD EXPLORATION COMPANY		Contact: DON S HAMILTON Email: starpoint@etv.net		7. If Unit or CA Agreement, Name and No.
3a. Address ROUTE 3 BOX 3630 MYTON, UT 84052		3b. Phone No. (include area code) Ph: 435-719-2018 Fx: 435-719-2019		8. Lease Name and Well No. SAM 2-22-3-2WH
4. Location of Well (Report location clearly and in accordance with any State requirements. *)  At surface Lot 1 558FNL 1943FEL 40.213419 N Lat, 110.092947 W Lon At proposed prod. zone SWSE 660FSL 1980FEL 40.202206 N Lat, 110.093025 W Lon		9. API Well No. <b>4301351870</b>		10. Field and Pool, or Exploratory UNDESIGNATED
14. Distance in miles and direction from nearest town or post office* 2.8 MILES NORTH OF MYTON, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 22 T3S R2W Mer UBM		12. County or Parish DUCHESNE
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 558		16. No. of Acres in Lease 4130.84		13. State UT
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 0		19. Proposed Depth 12838 MD 8353 TVD		17. Spacing Unit dedicated to this well 40.00
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5132 GL		22. Approximate date work will start 11/30/2012		20. BLM/BIA Bond No. on file RLB0010462
		23. Estimated duration 60 DAYS		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification</li> <li>6. Such other site specific information and/or plans as may be required by the authorized officer.</li> </ul> |
|--|--|

25. Signature (Electronic Submission)	Name (Printed/Typed) DON S HAMILTON Ph: 435-719-2018	Date 11/13/2012
Title PERMITTING AGENT		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date JUN 20 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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.

JUN 25 2013

Additional Operator Remarks (see next page)

Electronic Submission #160174 verified by the BLM Well Information System  
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal  
Committed to AFMSS for processing by JOHNETTA MAGEE on 11/30/2012 (13JM0821AE)

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

\*\* BLM REVISED \*\*

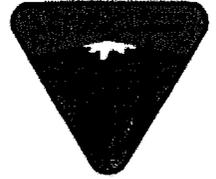


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>NEWFIELD EXPLORATION COMPANY</b>	<b>Location:</b>	<b>LOT 1, Sec. 22, T3SS, R2W</b>
<b>Well No:</b>	<b>SAM 2-22-3-2WH</b>	<b>Lease No:</b>	<b>14-20-H62-6269</b>
<b>API No:</b>	<b>43-013-51870</b>	<b>Agreement:</b>	<b>N/A</b>

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- It is recommend that Newfield consult with the Utah Division of Wildlife Resources to minimize impacts to birds, particularly protected under the Migratory Bird Treaty Act and to ensure compliance with Federal and State laws protecting Migratory Birds.
- Newfield will not pump surface water from the Green River. Specifically, for Newfield's development, water collection wells will be connected to a centralized pumping station via underground waterlines. The water wells will be developed using conventional drilling methods. Each well will extend to a depth of approximately 100 feet below the surface.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Cement for the 7 inch casing will be brought to a minimum of 200 feet above the surface casing shoe.
- A CBL shall be run in the 7 inch casing to TOC.
- Variances to OO2, Section III. E shall be granted as requested regarding the air drilling program for the surface hole.
- Cement samples shall be caught for all stages of cement work for the Surface and Intermediate casing strings and tested for compressive strength.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼ ¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



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

June 26, 2013

Don Hamilton  
Newfield Production Company  
Route #3 Box 3630  
Myton, UT 84052

Re: APD Rescinded – SAM 2-22-3-2WH, Sec. 22, T.3S, R.2W  
Duchesne County, Utah API No. 43-013-51870

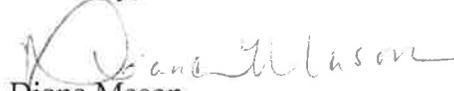
Dear Mr. Hamilton:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on December 27, 2012. On June 25, 2013, you requested that the APD be rescinded. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective June 25, 2013.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal



## United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Green River District  
Vernal Field Office  
170 South 500 East  
Vernal, UT 84078  
<http://www.blm.gov/ut/st/en/fo/vernal.html>

June 27, 2013

IN REPLY REFER TO:  
3160 (UTG011)

Mandie Crozier  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

4301351870

Re: Request to Rescind Approved APD  
Well No. SAM 2-22-3-2WH  
Lot 1, Sec. 22, T3S, R2W  
Duchesne County, Utah  
Lease No. 14-20-H62-6269

Dear Ms. Crozier:

The Application for Permit to Drill (APD) for the above-referenced well was approved on June 20, 2013. This office is rescinding its approval of the referenced Application for Permit to Drill per your request to this office in an email message to Land Law Examiner Robin R. Hansen received on June 26, 2013 via Don Hamilton. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka  
Assistant Field Manager  
Lands & Resource Minerals

cc: UDOGM

bcc: Well File  
BIA  
I&E Asst.

RECEIVED

JUL 25 2013

DIV. OF OIL, GAS & MINING