

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 Young 6-16-3-1W				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Patented			11. MINERAL OWNERSHIP FEDERAL <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') Sherman Grant. and Julie R. Young						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-646-3025				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') RR3 Bx 3452, Myton, UT 84052						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 checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1410 FNL 2361 FWL		SEnw	16	3.0 S	1.0 W	U		
Top of Uppermost Producing Zone		1410 FNL 2361 FWL		SEnw	16	3.0 S	1.0 W	U		
At Total Depth		1410 FNL 2361 FWL		SEnw	16	3.0 S	1.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1410			23. NUMBER OF ACRES IN DRILLING UNIT 40				
27. ELEVATION - GROUND LEVEL 5075			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0			26. PROPOSED DEPTH MD: 10000 TVD: 10000				
28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478							
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 2500	36.0	J-55 ST&C	0.0	Premium Lite High Strength	204	3.53	11.0
							Class G	154	1.17	15.8
PROD	8.75	5.5	0 - 10000	17.0	P-110 LT&C	10.0	Premium Lite High Strength	352	3.53	11.0
							50/50 Poz	872	1.24	14.3
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 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 01/14/2012				EMAIL starpoint@etv.net		
API NUMBER ASSIGNED 43013511820000				APPROVAL  Permit Manager						

Newfield Production Company
Young 6-16-3-1W
SE/NW Section 16, T3S, R1W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	3,420'
Garden Gulch member	6,280'
Wasatch	8,565'
TD	10,000'

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

Base of moderately saline	2,213'	(water)
Green River	6,280' - 8,565'	(oil)
Wasatch	8,565' - TD	(oil)

3. Pressure Control

Section BOP Description

Surface 12-1/4" diverter

Production The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 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							Burst	Collapse	Tension
Conductor 14	0'	60'	37	H-40	Weld	--	--	--	--	--	--
Surface 9 5/8	0'	2,500'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
Production 5 1/2	0'	10,000'	17	P-110	LTC	9.5	10	--	2.51	2.54	4.38
									10,640	7,460	445,000
									2.70	1.78	2.62

Assumptions:

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

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

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

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

5. Cement

Job	Hole Size	Fill	Slurry Description	ft ³	OH excess	Weight (ppg)	Yield (ft ³ /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'	Premium Lite II w/ 3% KCl + 10% bentonite	720	15%	11.0	3.53
				204			
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180	15%	15.8	1.17
				154			
Production Lead	8 3/4	4,280'	Premium Lite II w/ 3% KCl + 10% bentonite	1243	15%	11.0	3.53
				352			
Production Tail	8 3/4	3,720'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	1081	15%	14.3	1.24
				872			

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

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

6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
Surface - 2,500'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
2,500' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 10.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the

surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

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

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.49 psi/ft gradient.

$$10,000' \times 0.49 \text{ psi/ft} = 4940 \text{ psi}$$

No abnormal temperature is expected. No H₂S is expected.

9. Other Aspects

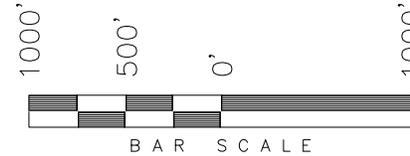
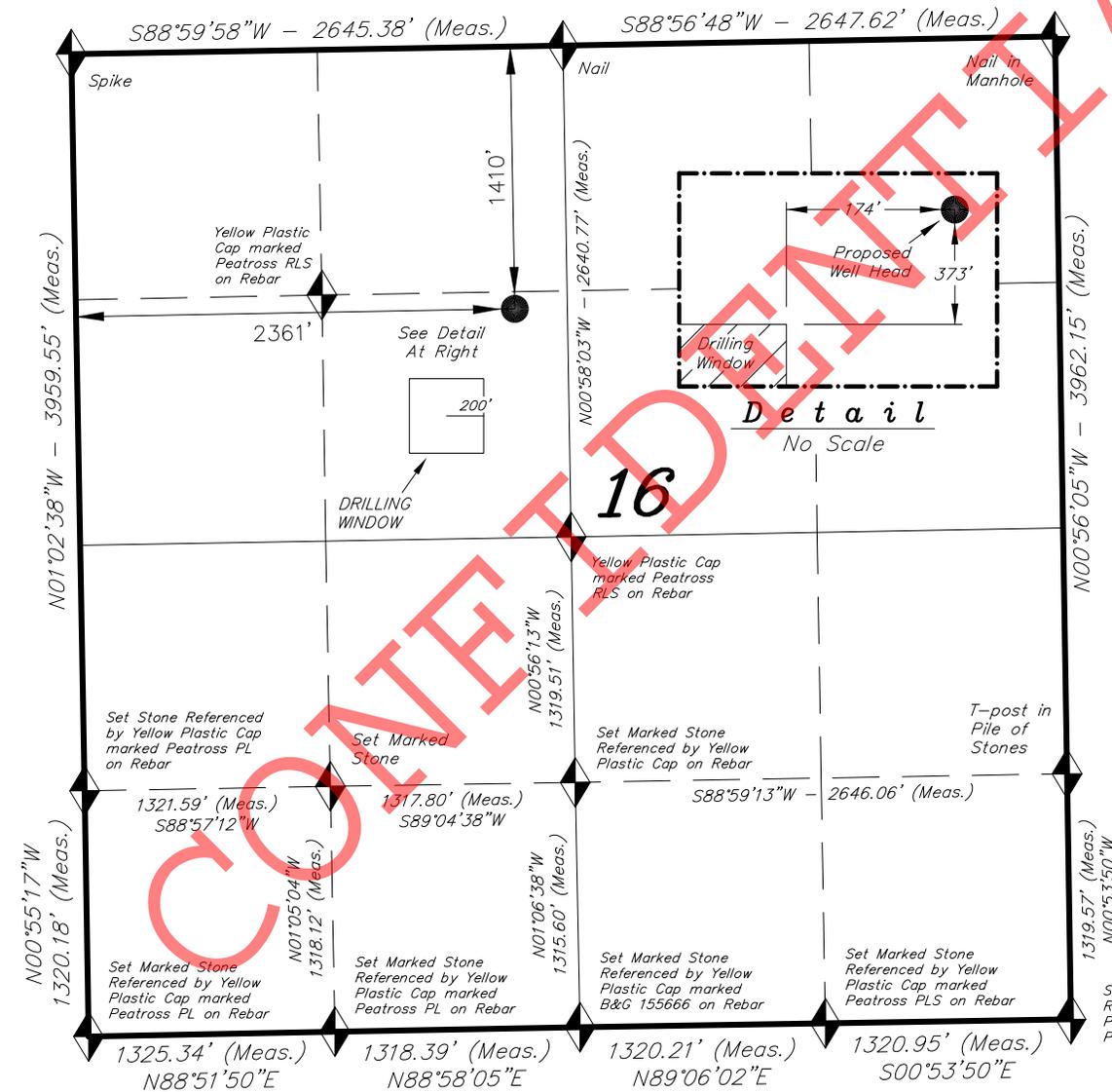
This is planned as a vertical well.

CONFIDENTIAL

T3S, R1W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 6-16-3-1W, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 16, T3S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

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

**WELL LOCATION:
6-16-3-1W**

ELEV. UNGRADED GROUND = 5074.9'

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

REGISTERED LAND SURVEYOR
 No. 189377
 12-16-11
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

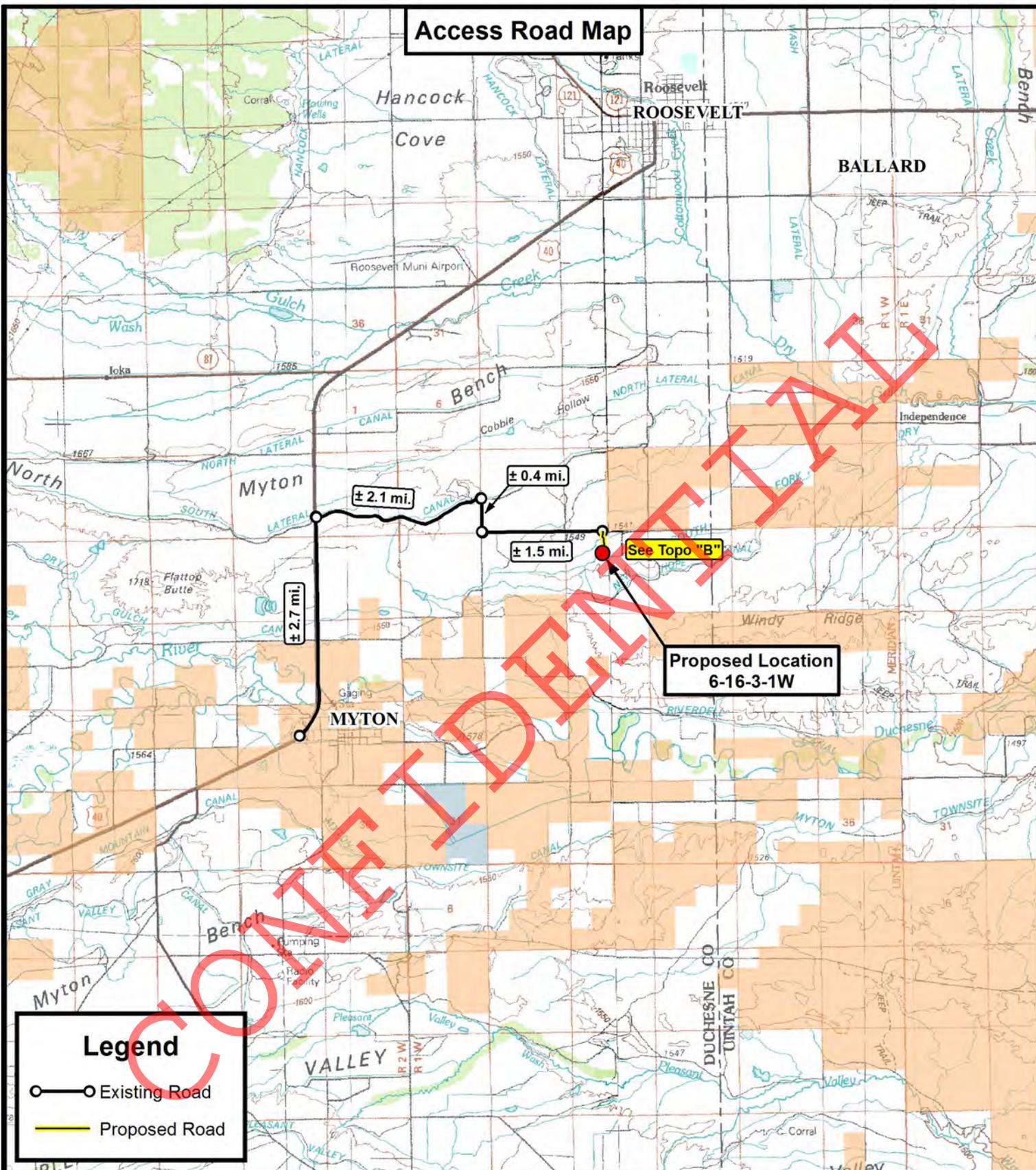
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

6-16-3-1W
 (Surface Location) NAD 83
 LATITUDE = 40° 13' 33.18"
 LONGITUDE = 110° 00' 07.83"

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

DATE SURVEYED: 12-05-11	SURVEYED BY: D.P.	VERSION:
DATE DRAWN: 12-14-11	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

Access Road Map



Legend

- Existing Road
- Proposed Road



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Land Surveying, Inc.**
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F: (435) 781-2518



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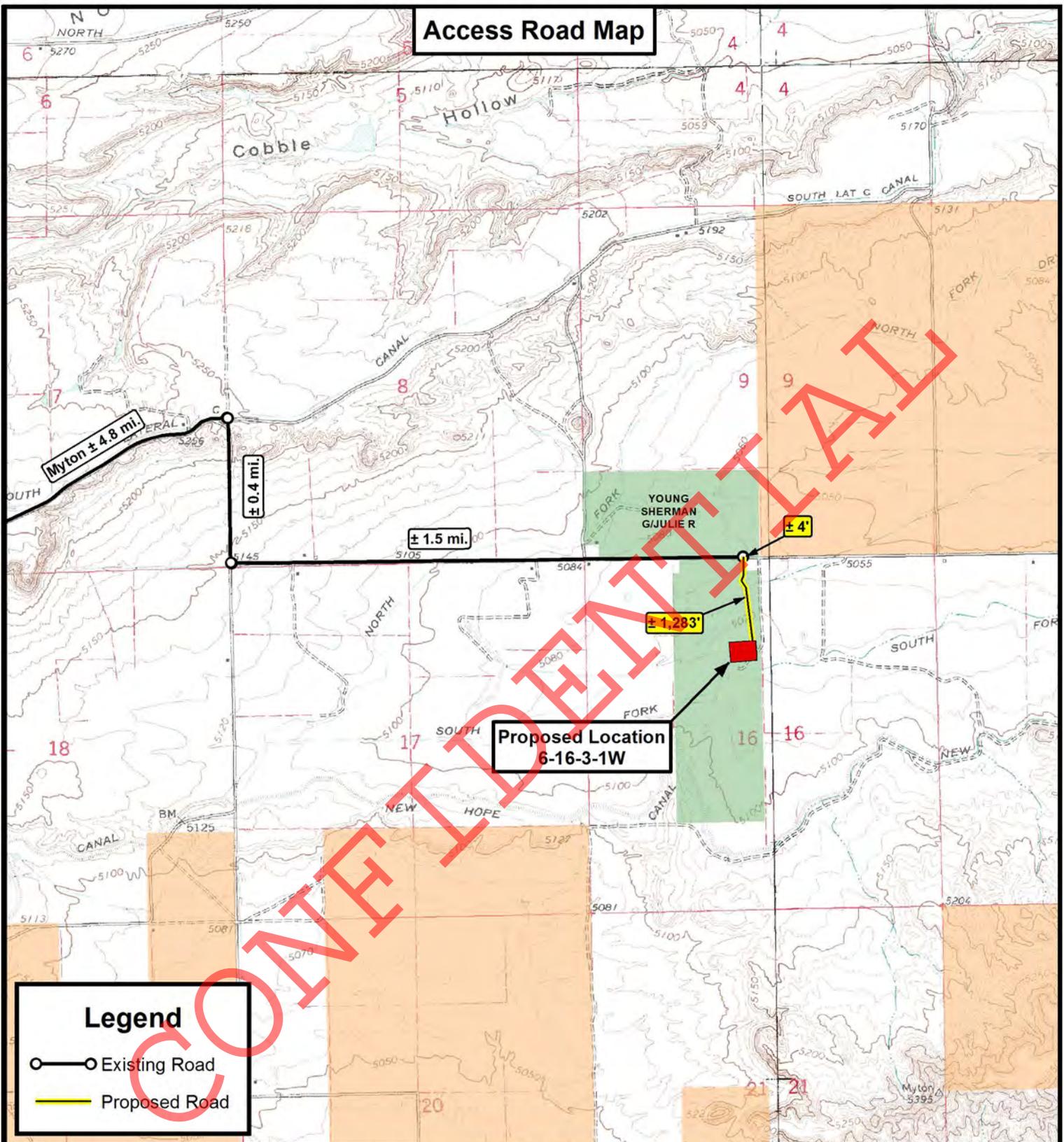
**6-16-3-1W
SEC. 16, T3S, R1W, U.S.B.&M.
Duchesne County, UT.**

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DATE:	12-14-2011		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



**Proposed Location
6-16-3-1W**

Legend

- Existing Road
- Proposed Road

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

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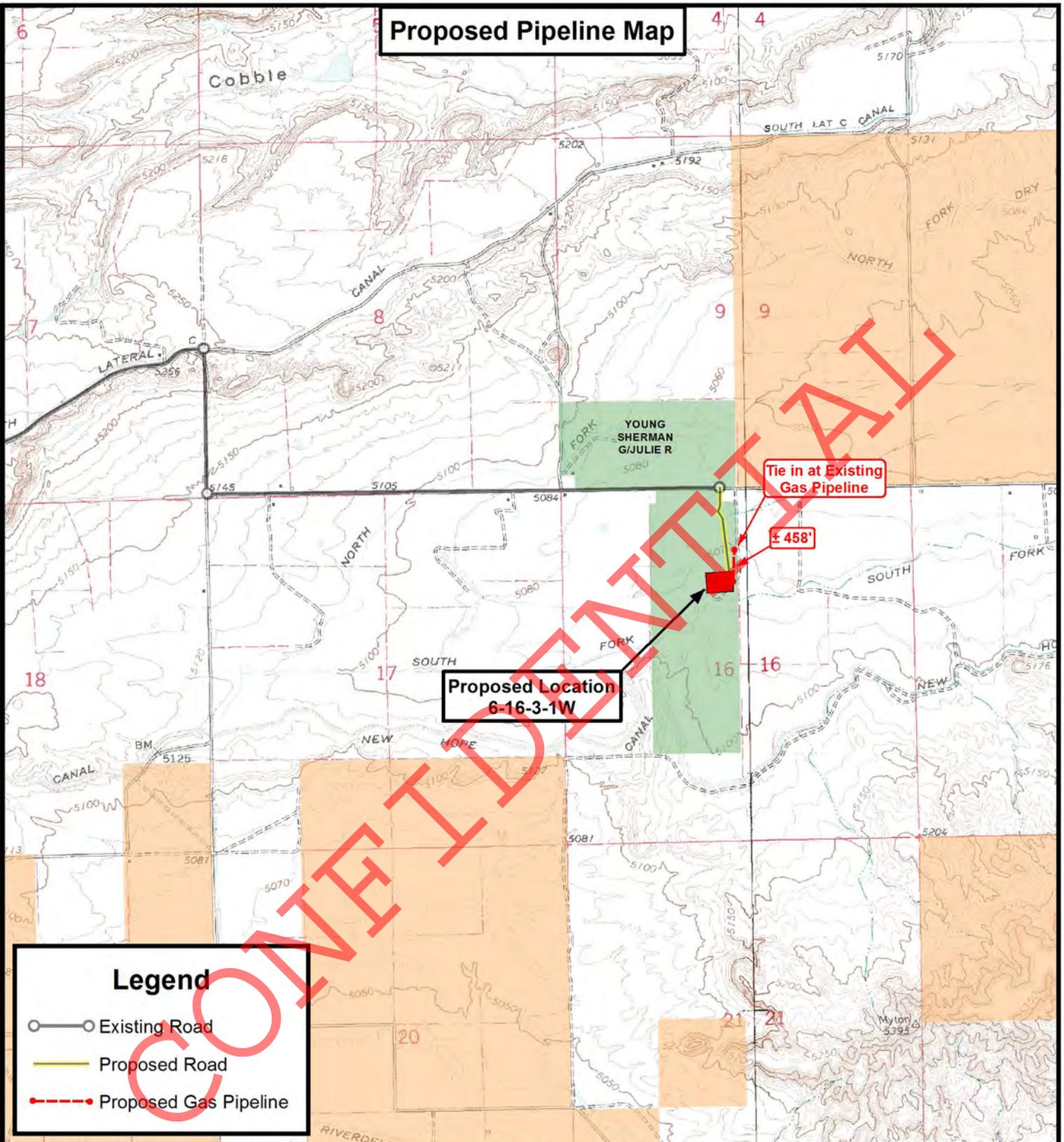
**6-16-3-1W
SEC. 16, T3S, R1W, U.S.B.&M.
Duchesne County, UT.**

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DATE:	12-14-2011		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



**Proposed Location
6-16-3-1W**

**Tie in at Existing
Gas Pipeline**

± 458'

Legend

- Existing Road
- Proposed Road
- Proposed Gas Pipeline

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**6-16-3-1W
SEC. 16, T3S, R1W, U.S.B.&M.
Duchesne County, UT.**

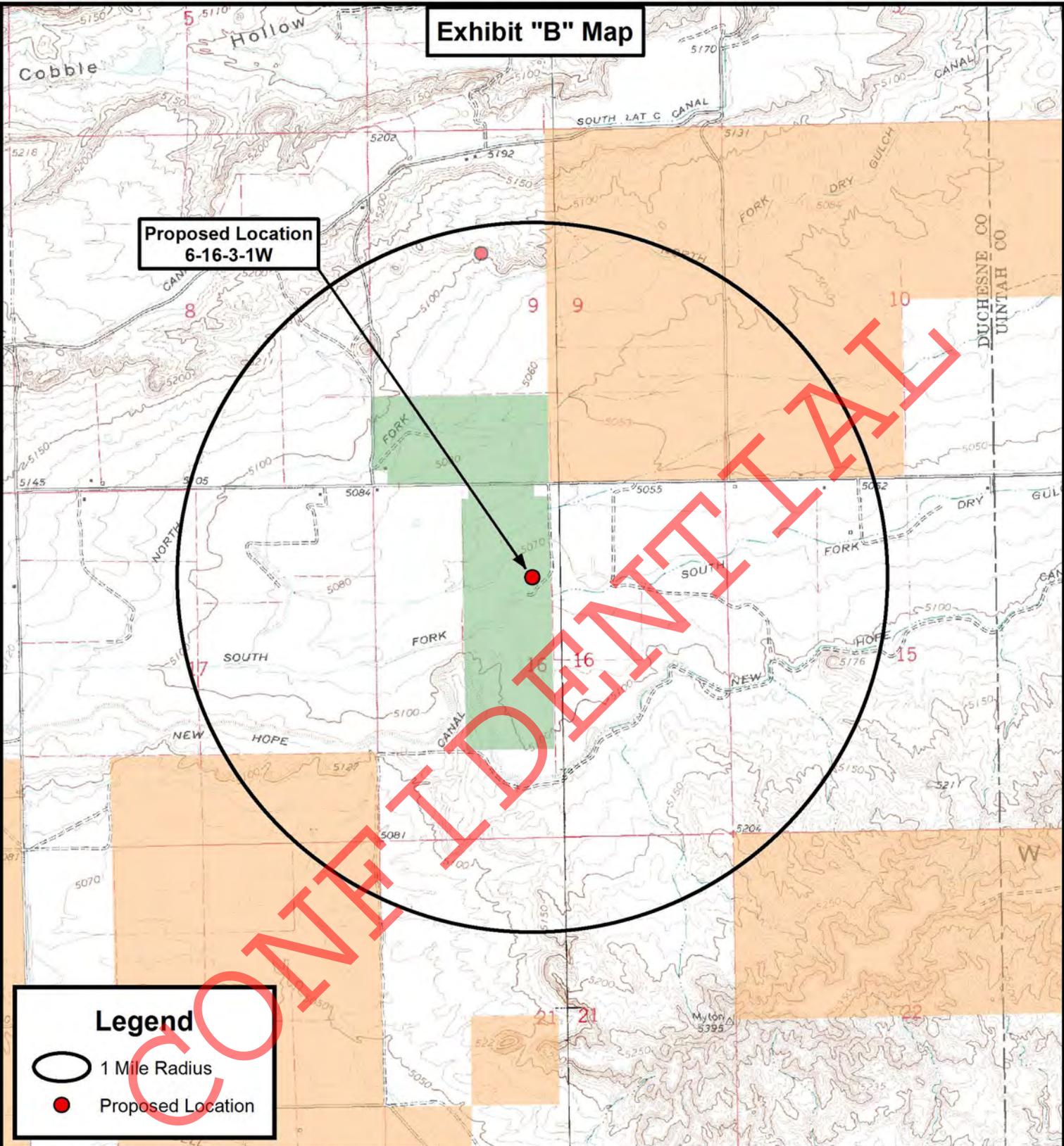
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DATE:	12-14-2011		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

Exhibit "B" Map

**Proposed Location
6-16-3-1W**



Legend

-  1 Mile Radius
-  Proposed Location

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NEWFIELD EXPLORATION COMPANY

6-16-3-1W
SEC. 16, T3S, R1W, U.S.B.&M.
Duchesne County, UT.



TOPOGRAPHIC MAP

SHEET
D

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

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

1. My name is Roxann Eveland. 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 Young 6-16-3-1W well to be located in the SENW of Section 16, Township 3 South, Range 1 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Sherman G Young and Julie R Young, whose address is RR 3 Box 3452, Myton, UT 84052 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated October 19, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

Roxann Eveland

ACKNOWLEDGEMENT

STATE OF COLORADO §
 §
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 20th day of October, 2011, personally appeared Roxann Eveland, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

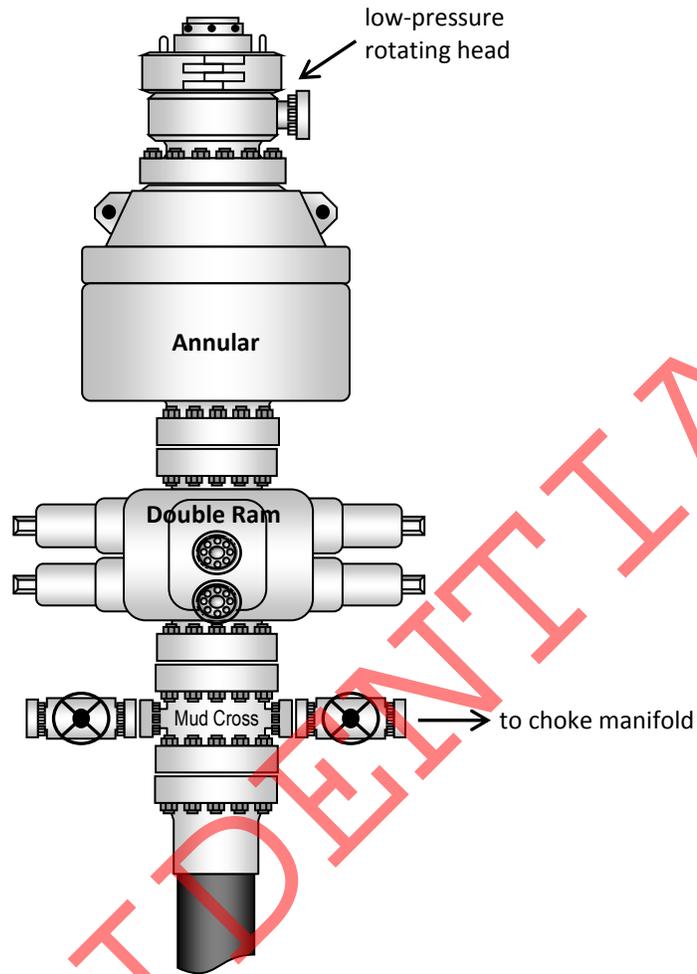
PJB

NOTARY PUBLIC

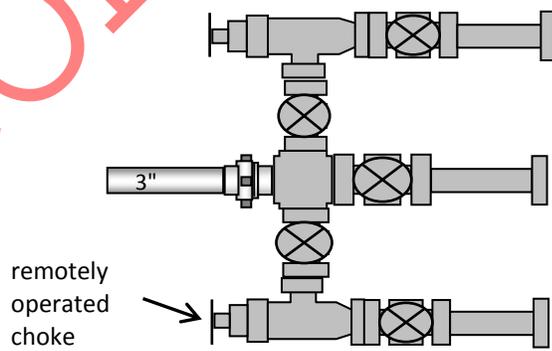
My Commission Expires:

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

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration

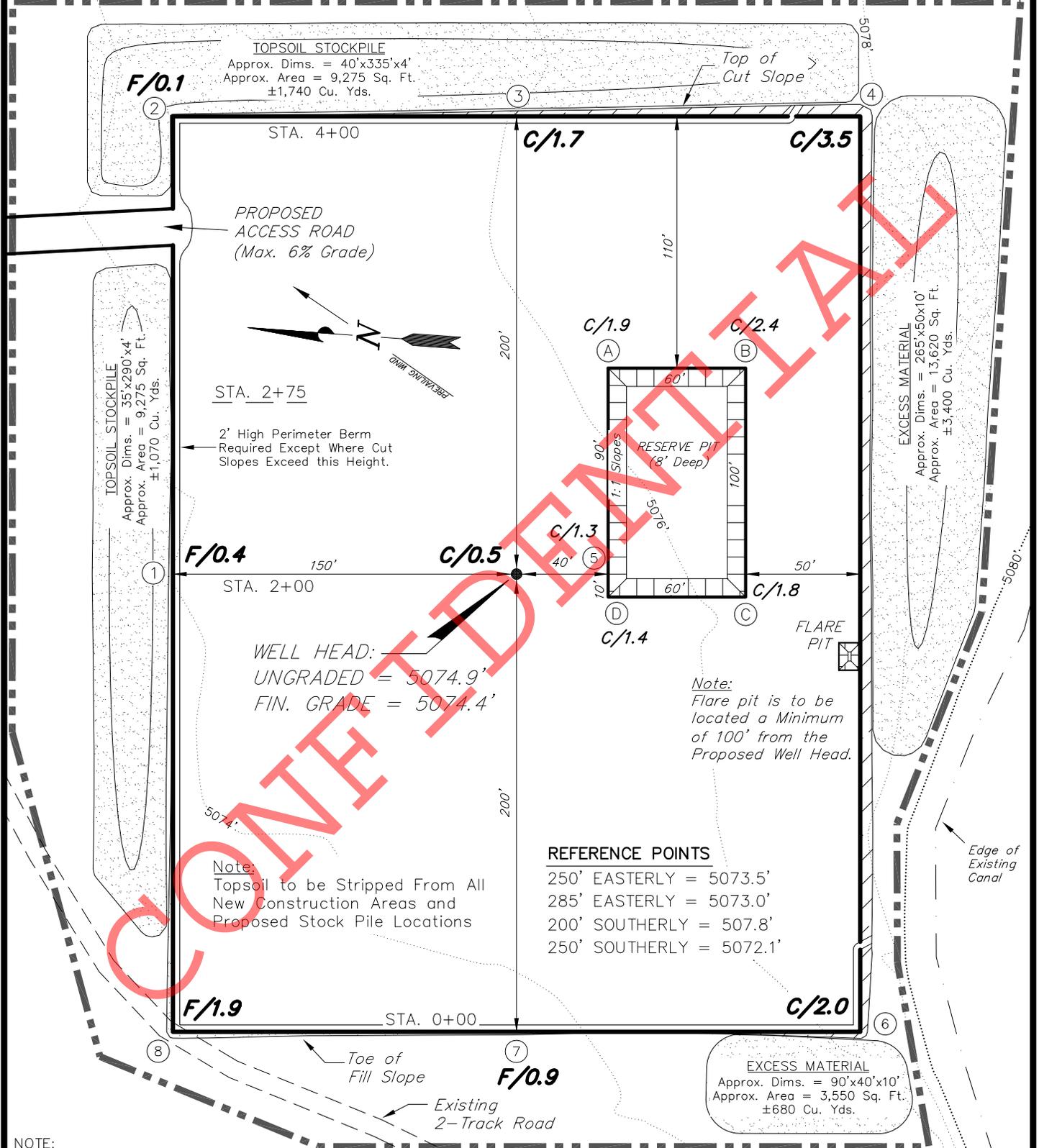


NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

6-16-3-1W

Pad Location: SENW Section 16, T3S, R1W, U.S.B.&M.



NOTE: The topsoil & excess material areas are calculated as being mounds containing 6,890 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: D.P.	DATE SURVEYED: 12-05-11	VERSION:
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SCALE: 1" = 60'	REVISED:	

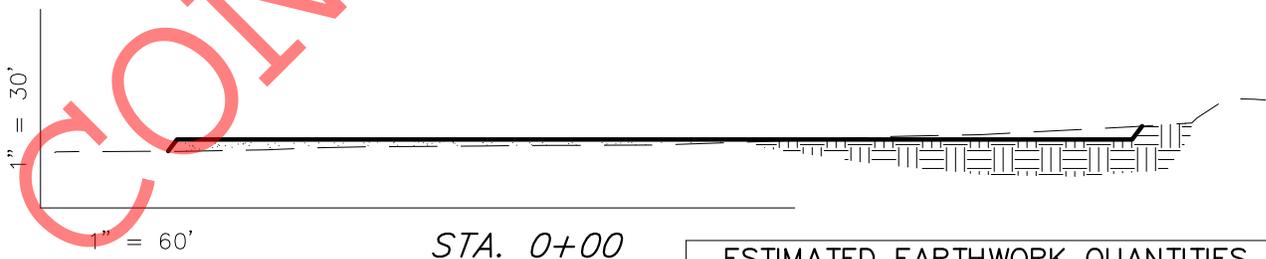
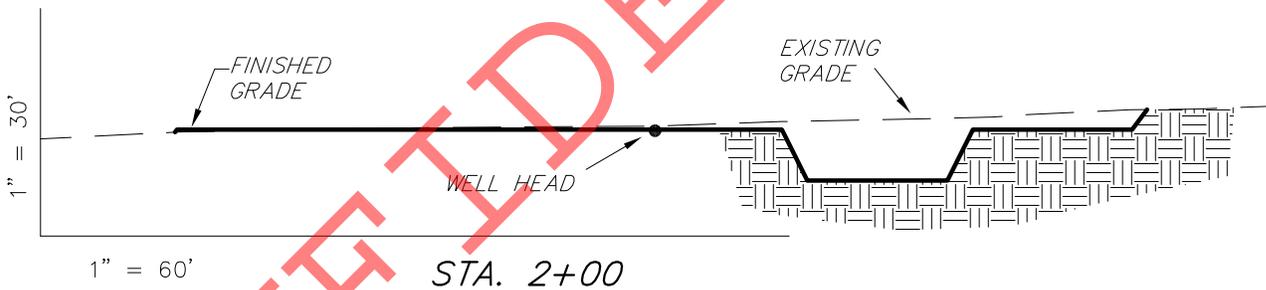
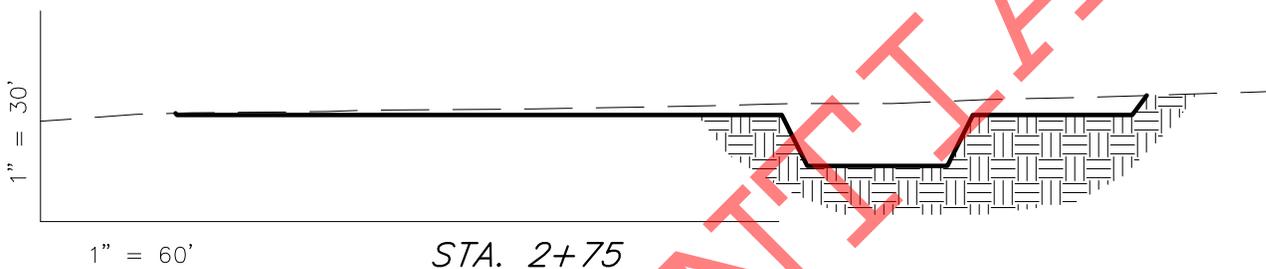
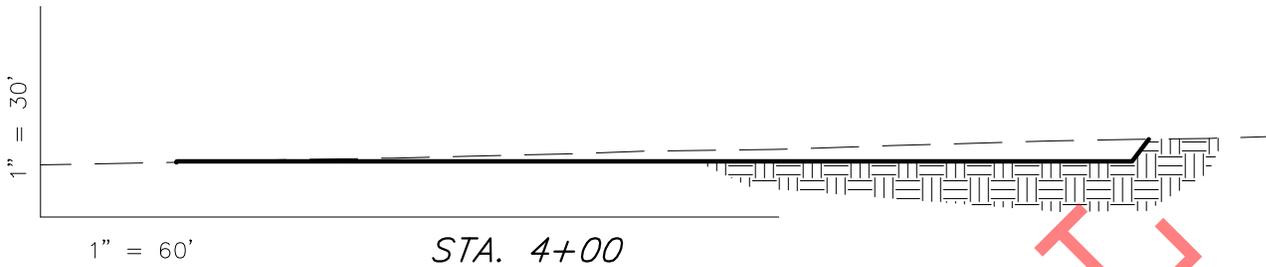
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NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

6-16-3-1W

Pad Location: SENW Section 16, T3S, R1W, U.S.B.&M.



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,060	1,040	Topsoil is not included in Pad Cut Volume	3,020
PIT	690	0		690
TOTALS	4,750	1,040	2,550	3,710

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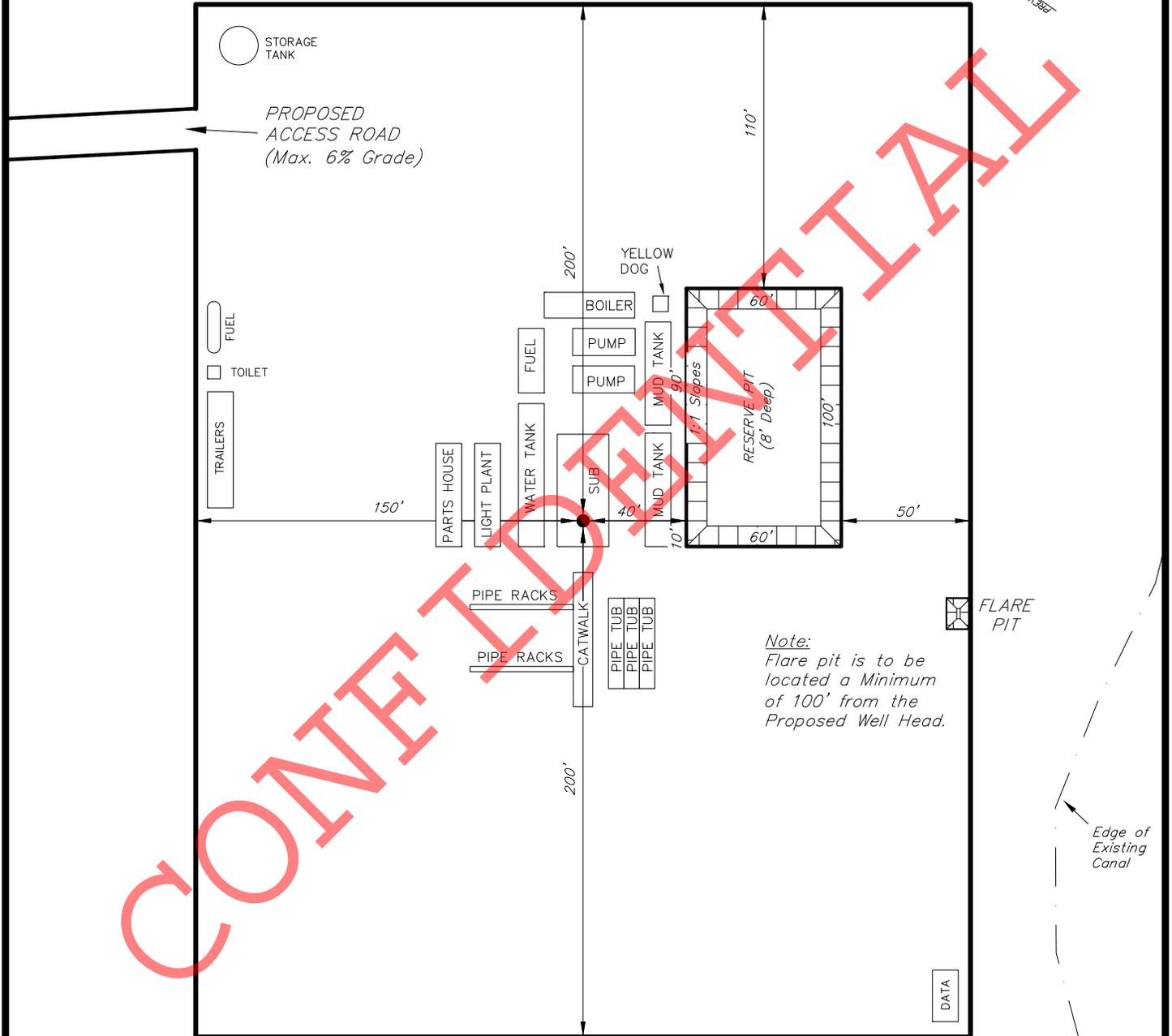
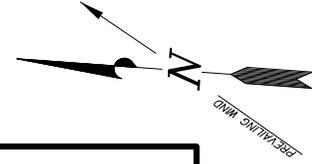
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NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

6-16-3-1W

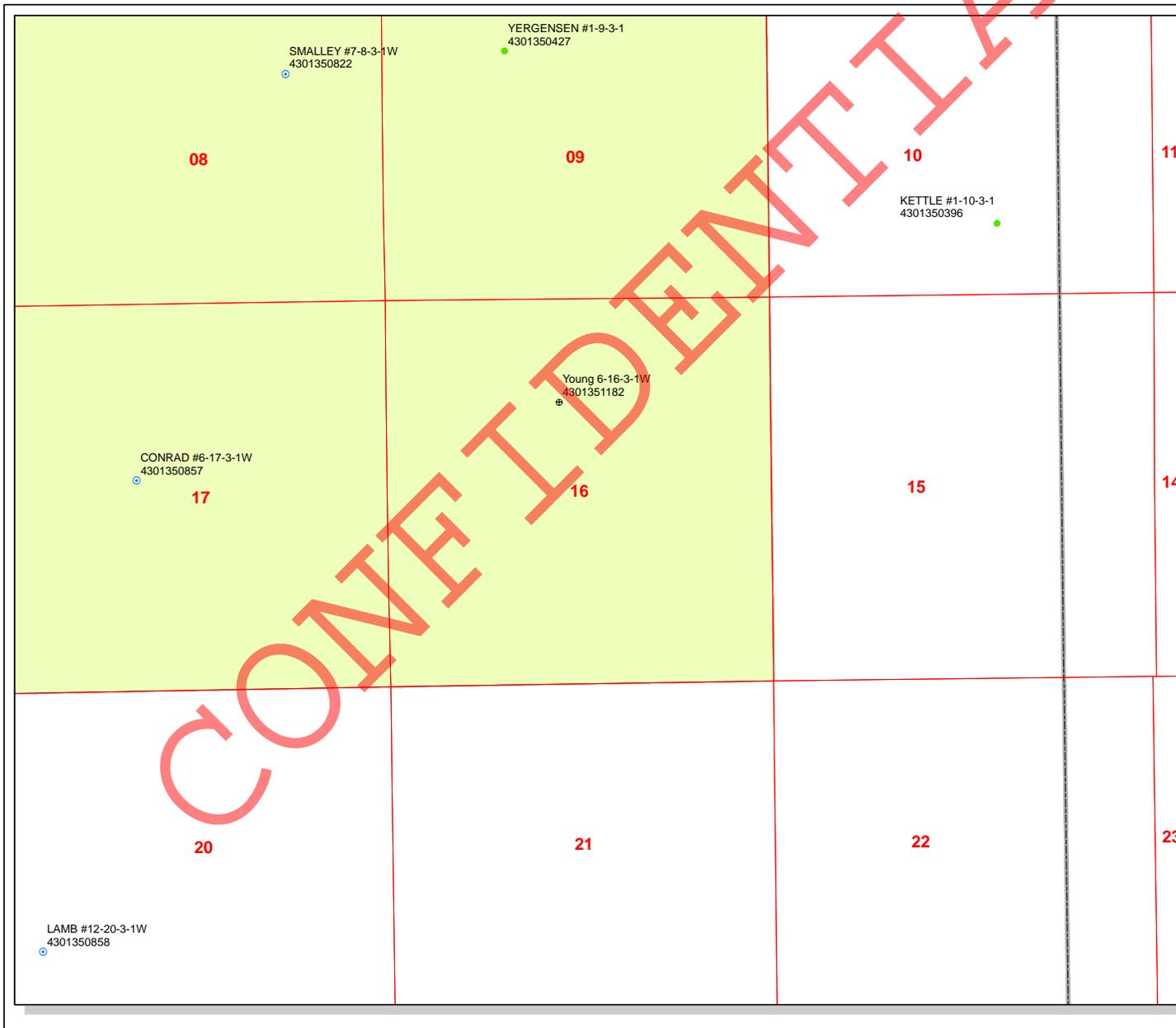
Pad Location: SENW Section 16, T3S, R1W, U.S.B.&M.



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

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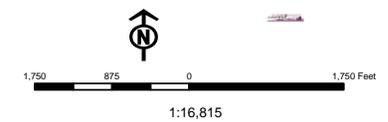
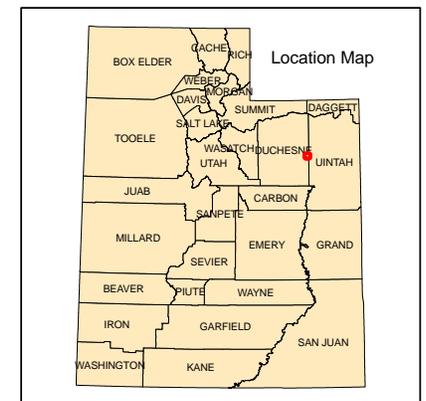
SURVEYED BY: D.P.	DATE SURVEYED: 12-05-11	VERSION:	V1	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 12-14-11				
SCALE: 1" = 60'	REVISED:				



API Number: 4301351182
Well Name: Young 6-16-3-1W
Township T0.3 . Range R0.1 . Section 16
Meridian: UBM
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units STATUS	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields STATUS	SGW - Shut-in Gas Well
Unknown	SOW - Shut-in Oil Well
ABANDONED	TA - Temp. Abandoned
ACTIVE	TW - Test Well
COMBINED	WDW - Water Disposal
INACTIVE	WIW - Water Injection Well
STORAGE	WSW - Water Supply Well
TERMINATED	



Well Name	NEWFIELD PRODUCTION COMPANY Young 6-16-3-1W 43013511820			
String	COND	SURF	PROD	
Casing Size(")	14.000	9.625	5.500	
Setting Depth (TVD)	60	2500	10000	
Previous Shoe Setting Depth (TVD)	0	60	2500	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	4940		9.5	

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

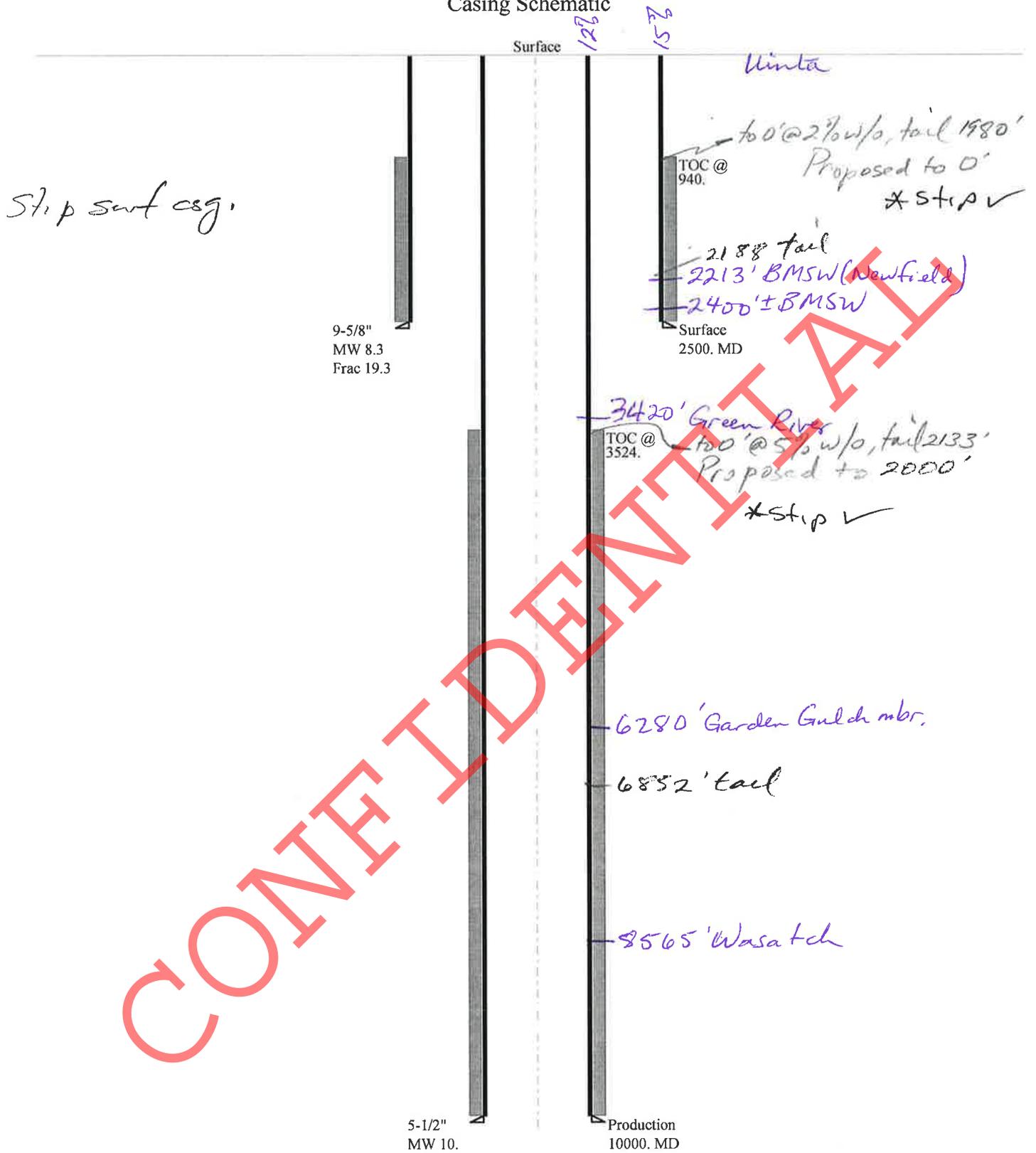
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1079	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	779	NO diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	529	NO Reasonable depth, no expected pressures
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	542	NO
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5200	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4000	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3000	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3550	NO Reasonable
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2500	psi *Assumes 1psi/ft frac gradient

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

43013511820000 Young 6-16-3-1W

Casing Schematic



Well name:	43013511820000 Young 6-16-3-1W	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-013-51182
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 1,950 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 2,500 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
Neutral point: 2,192 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 109 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 940 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 10,000 ft
Next mud weight: 10.000 ppg
Next setting BHP: 5,195 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,500 ft
Injection pressure: 2,500 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	2500	9.625	36.00	J-55	ST&C	2500	2500	8.796	21730
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	1082	2020	1.867	2500	3520	1.41	90	394	4.38 J

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

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

Date: February 29, 2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	43013511820000 Young 6-16-3-1W	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-51182
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 214 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Cement top: 3,524 ft

Burst

Max anticipated surface pressure: 2,995 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,195 psi

No backup mud specified.

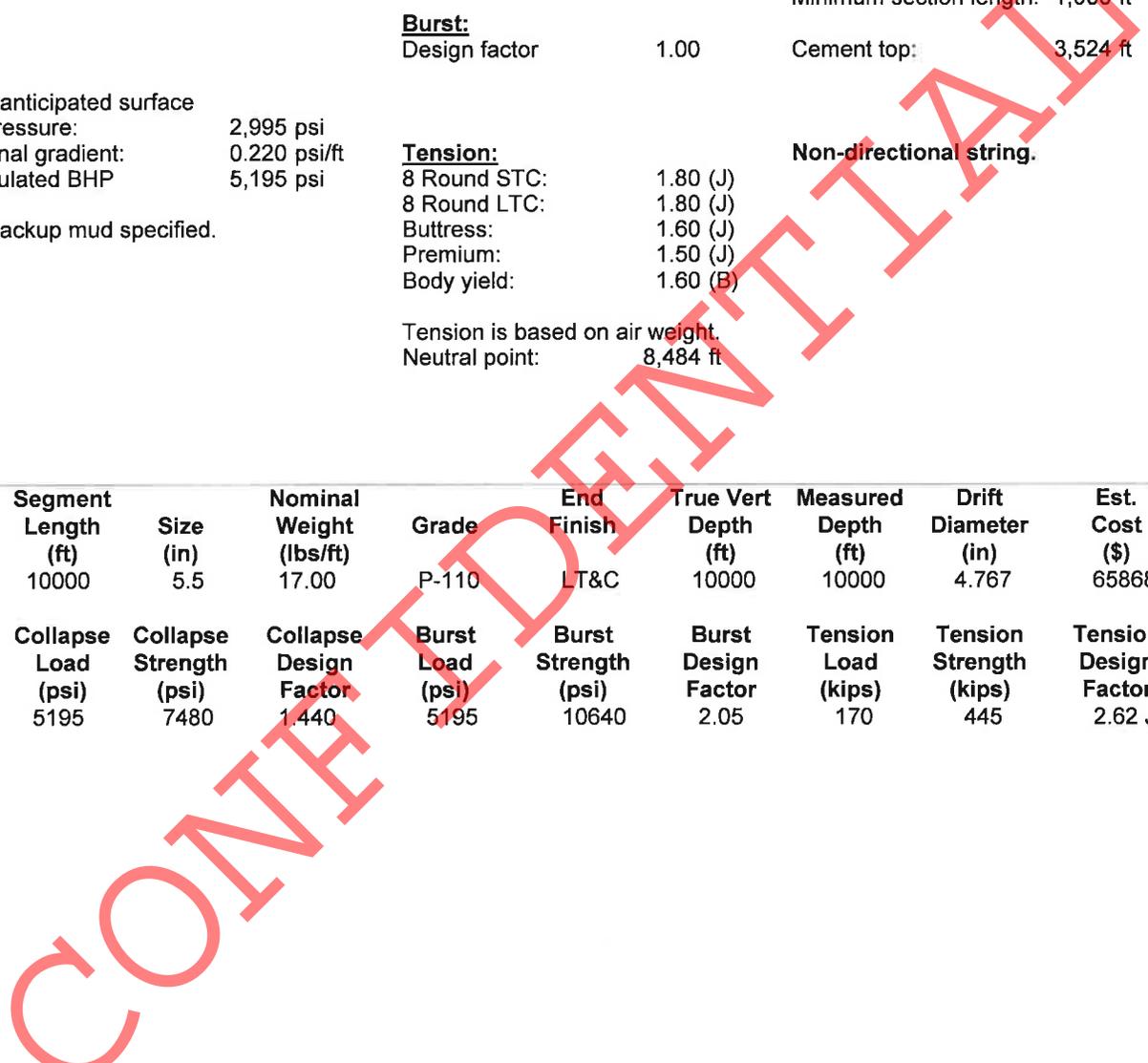
Tension:

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 air weight.
Neutral point: 8,484 ft

Non-directional string.

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	10000	5.5	17.00	P-110	LT&C	10000	10000	4.767	65868
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	5195	7480	1.440	5195	10640	2.05	170	445	2.62 J



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

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

Date: February 29, 2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 10 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.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Young 6-16-3-1W
API Number 43013511820000 **APD No** 5159 **Field/Unit** WILDCAT
Location: 1/4,1/4 SENW **Sec** 16 **Tw** 3.0S **Rng** 1.0W 1410 FNL 2361 FWL
GPS Coord (UTM) 584893 4453314 **Surface Owner** Sherman Grant. and Julie R. Young

Participants

T. Eaton, F. Bird, Z. Mc Intyre– Newfield; C. Jensen,– DOGM S. Young- landowner

Regional/Local Setting & Topography

The proposed location is situated on fallow farm ground approximately 1.5 miles West of the Uinta county line in the low lands below Cobble Hollow. The city of Roosevelt can be found approximately 4 miles North. The topography is quite flat and has sandy soils that are somewhat Sodic. Nearby benches have slopes that are quite steep suggesting this may have historically once been a flood plain though no river bed now exists. This location is however sited very near the New Hope canal (and associated laterals) and the South fork of Dry Gulch. Very much of the surrounding lands are used for farming and have seen development for petroleum extraction.

The landowner was invited and was in attendance for the pre-site inspection. 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. Drainages should be diverted around and away from wellpad and access road. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Livestock, prairie dogs and rabbit were observed on site. Some native revegetation of Ephedra spp, salt grass and rabbit brush has occurred on site.

Surface Use Plan

Current Surface Use

Agricultural

New Road Miles

0.243

Well Pad

Width 300 **Length** 400

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

soils suggest high water table. And very near irrigation canal currently in use

Flora / Fauna

Dominant vegetation;

Fallow farm ground. Mormon tea (Ephedra spp), salt grass and rabbit brush surround the proposed well pad.

Wildlife;

Habitat contains forbs that may be suitable browse for deer, prairie dog and rabbits, rabbits and dog colony mounds were observed.

Disturbed soils do not support habitat for wildlife.

Soil Type and Characteristics

Historically cultivated farm ground with no soil structure. Sandy and somewhat sodic

Erosion Issues N

Sedimentation Issues Y

heavy precipitation can transport sediments from soil of this type quite readily

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

this is customary practice of the operator

Erosion Sedimentation Control Required? N

Most overland flows will be sheet flows as site is very flat.

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)		20
Distance to Surface Water (feet)		20
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	60 1 Sensitivity Level

Characteristics / Requirements

reserve pit is planned to be 60' x 100' dug to a depth of 8' deep.

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

Other Observations / Comments

per landowners request pad is to be turned 90 degrees. Land owner wants tank battery and gathering pipelines to be parallel the east fence line. Operator's representatives were present and agree the changes make more sense. Access road now enters pad between corners 3 and 4. land owners neighbor advised Mr. Young on disturbing an historic stock pond (that is really only a depression now the banks have been leveled and site has been plowed and / or disced many times in the past) near the proposed access road because of concerns it may be classified as a wetland. I advised Mr. young of his rights to contact the ACE or Utah DWRR to see if they have taken jurisdiction over the pond. I then expressed my opinion that it was not a wetland as I did not observe any plant indicator species (No plant life actually) nor did I observe evidence of anaerobic soils near the surface. Mr. young recalled that the area has standing water for a few days only after a rapid snow melt or heavy rain. I see no problem with constructing a road near this feature.

Chris Jensen
Evaluator

2/2/2012
Date / Time

CONFIDENTIAL

Application for Permit to Drill Statement of Basis

3/5/2012

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
5159	43013511820000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD	Sherman Grant. and Julie R. Young	
Well Name	Young 6-16-3-1W		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	SENW 16 3S 1W U 1410 FNL (UTM) 584897E 4453308N		2361 FWL GPS Coord		

Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,400'. An air and/or fresh water mud system will be used to drill the entire surface hole. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of Section 16. The well is over a mile from the proposed location. It is listed as 300 feet deep and used for irrigation, stock watering and domestic purposes. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement programs should adequately protect usable ground water in this area.

Brad Hill
APD Evaluator

2/8/2012
Date / Time

Surface Statement of Basis

Operator has surface agreement in place with the landowner. Some concessions were made to the landowner. Location is proposed in the best possible position within the spacing window. This location has been chosen on the northern boundary of the spacing window to avoid disturbance to an irrigation canal currently in use. Pad is to be turned 90 degrees as above. Land owner and operator representatives made and agreed to the decision on site. The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/pollution transport in these regional climate conditions. Construction standards of the Operator appear to be adequate for the proposed purpose. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The landowner was invited and was in attendance for the pre-site inspection with comments noted above. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Chris Jensen
Onsite Evaluator

2/2/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Drilling	Location needs to be turned 90 degrees.
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.

RECEIVED: March 05, 2012

**Application for Permit to Drill
Statement of Basis**

3/5/2012

Utah Division of Oil, Gas and Mining

Page 2

Surface

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

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/14/2012

API NO. ASSIGNED: 43013511820000

WELL NAME: Young 6-16-3-1W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: SENW 16 030S 010W

Permit Tech Review:

SURFACE: 1410 FNL 2361 FWL

Engineering Review:

BOTTOM: 1410 FNL 2361 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.22590

LONGITUDE: -110.00213

UTM SURF EASTINGS: 584897.00

NORTHINGS: 4453308.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Patented

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - 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

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 131-51
- Effective Date: 10/27/1983
- Siting: 1320' Fr Ext Boundary Section
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhll
12 - Cement Volume (3) - hmacdonald
25 - Surface Casing - hmacdonald



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: Young 6-16-3-1W
API Well Number: 43013511820000
Lease Number: Patented
Surface Owner: FEE (PRIVATE)
Approval Date: 3/5/2012

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 131-51. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

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

Conditions of Approval:

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

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 2000' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

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

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

- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

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

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

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

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:



For John Rogers
Associate Director, Oil & Gas



GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 21, 2012

Notice to Oil and Gas Operators

Re: Hydraulic Fracturing/FracFocus.org

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

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

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

Fracture date, state, county, API number, operator name, well name, location, production type, true vertical depth, total water volume, and hydraulic fracturing fluid composition as follows:

- (1) Trade name
- (2) Supplier
- (3) Purpose
- (4) Ingredients
- (5) Chemical abstract number
- (6) Maximum ingredient concentration in additive
- (7) Maximum ingredient concentration in hydraulic fracturing fluid

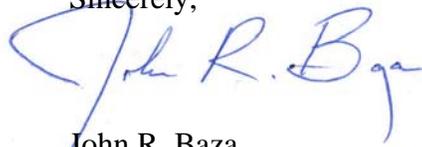


Page 2

Notice to Oil and Gas Operators/Hydraulic Fracturing
February 21, 2012

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

Sincerely,



John R. Baza
Director

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By
Branden Arnold Phone Number 4305-401-0223
Well Name/Number Young 6-16-3-1W
Qtr/Qtr SE/NW Section 16 Township 3S Range 1W
Lease Serial Number Patented
API Number 43-013-51182

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

Date/Time 3/30/12 9:00 AM PM

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

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

Date/Time 3/30/12 3:00 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
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

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

OPERATOR ACCT. NO. **N2695**

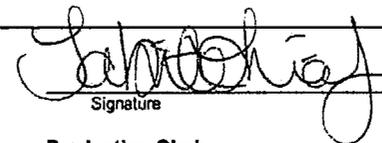
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	4301333803	GMBU 2A-32T-8-17H	NWNE	32	8S	17E	DUCHESNE	6/10/2011	
WELL 1 COMMENTS: DUPLICATE											
A	99999	19534	4301351182	YOUNG 6-16-3-1W	SENW	16	3S	1W	DUCHESNE	3/29/2012	5/16/12
WSTC CONFIDENTIAL											
B	99999	17400	4301350775	GMBU P-29-8-17	NESE	30	8S	17E	DUCHESNE	4/27/2012	5/16/12
GRRV BHL S 29 SWSW											
B	99999	17400	4301350774	GMBU O-29-8-17	NESE	30	8S	17E	DUCHESNE	4/27/2012	5/16/12
GRRV BHL: S29 SWNW											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

RECEIVED

MAY 04 2012


Signature

Tabitha Timothy

Production Clerk

05/02/12

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

Div. of Oil, Gas & Mining

CONFIDENTIAL

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

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: UINTA CB - WASATCH DEEP
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1410 FNL 2361 FWL		8. WELL NAME and NUMBER: YOUNG 6-16-3-1W
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 16, T3S, R1W		9. API NUMBER: 4301351182
		10. FIELD AND POOL, OR WILDCAT: UINTA CENTRAL BASIN
		COUNTY: DUCHESNE
		STATE: UT

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 (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 03/30/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
On 3/29/19 MIRU Ross #31. Spud well @10:00 AM. Drill 65' of 18" hole with air mist. TIH W/ 2 Jt's 14" H-40 36# csgn. Set @ 85. On 3/30/12 cement with 100 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 9 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE _____
SIGNATURE *Branden Arnold* DATE 04/18/2012

(This space for State use only)

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: YOUNG 6-16-3-1W
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013511820000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1410 FNL 2361 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 03.0S Range: 01.0W 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 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 checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/27/2012	<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 type="text" value="Operations Suspended"/>

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

The above well has remained in suspended operations status from April 2012 through November 2012.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 28, 2012**

NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 11/27/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: YOUNG 6-16-3-1W
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013511820000
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: 1410 FNL 2361 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 16 Township: 03.0S Range: 01.0W Meridian: U	9. FIELD and POOL or WILDCAT: WILDCAT
	COUNTY: DUCHESNE
	STATE: UTAH

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

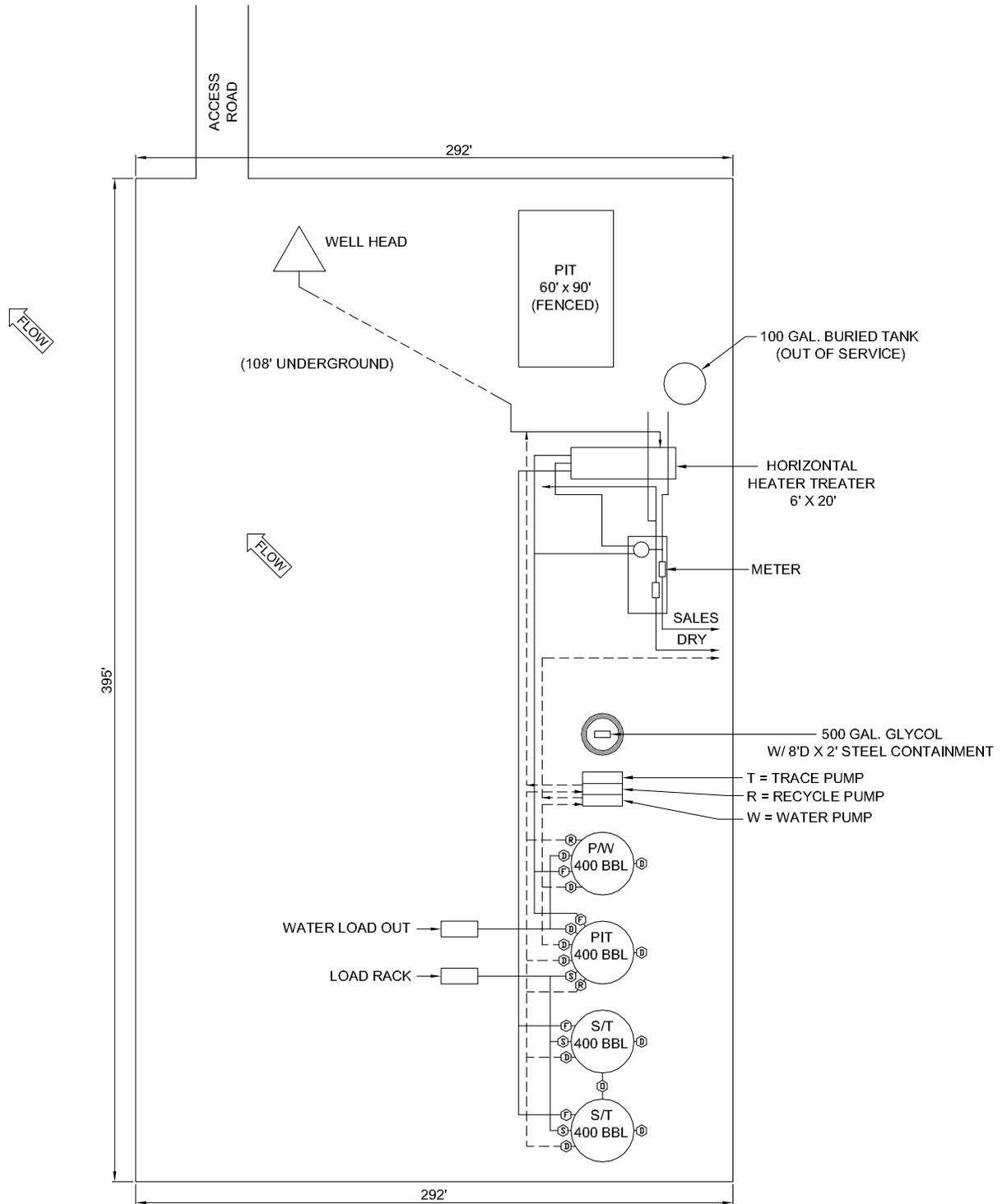
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/26/2013	<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
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	<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="Site Facility/Site Security"/>

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

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 01, 2013**

NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician
SIGNATURE N/A	DATE 6/26/2013	



POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Open	No
O	Overflow	Open/Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Open/Closed	No
S	Sales	Closed	Yes

Valve Type	
D	- Drain Valve
F	- Flow Valve
O	- Overflow
V	- Vent
R	- Recycle
B	- Blow Down
S	- Sales Valve

Federal Lease #:
 This lease is subject to the Site Security Plan for:
 Newfield Exploration Company
 19 East Pine Street
 Pinedale, WY 82941



YOUNG 6-16-3-1W

Newfield Exploration Company
 SENW Sec 16, T3S, R1W
 Duchesne County, UT

POSITION OF VALVES AND USE OF SEALS DURING SALES			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Closed	Yes
O	Overflow	Closed	Yes
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Open	No

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN			
Valve	Line Purpose	Position	Seal Installed
D	Drain	Open	No
F	Oil, Gas, Water	Closed	No
O	Overflow	Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Closed	Yes

M.G.

AUG 2012



Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
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	COUNTY: DUCHESNE
	STATE: UTAH

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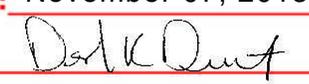
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/6/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<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 approval to Plug and Abandon the Young 6-16-3-1W. Attached please find a detailed procedure for your review and approval.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 07, 2013

By: 

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 719-2018	TITLE Permitting Agent
SIGNATURE N/A	DATE 11/6/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013511820000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 3. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 4. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 5. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

Plug and Abandon Procedure

Well: Young 6-16-3-1W

County, State: Duchesne, Utah

AFE#: 42083

Ground Level: 5,075'

Rig:

RKB: 20'

SHL Legal Description

SE/NW Sec. 16, T3S, R1W Duchesne Co., UT (1,410' FNL 2,361' FWL)

Lat: 40°13'33.18" Long: 110°00'07.83"

Contacts

Drilling Engineer:	Mitch Benson	Office: 435-646-4854	Cell: 435-823-5885
Drlg Superintendent:	Ray Herrera	Office: 435-646-4819	Cell: 435-823-1990
Drilling Foreman:	Branden Arnold		Cell: 435-401-0223
Regulatory Analyst:	Forrest Bird	Office: 435-646-4945	Cell: 435-401-0308

Casing	Size	Weight	Grade	Conn	Depth
Drive Pipe	20"				45' KB
Conductor	14"	36 lb/ft	H-40	Weld	85' KB

Plug and Abandon Procedure

- Remove pressure cap on 14" casing with welder.
- Test fluid level in 14" conductor casing. Casing should be empty.
 - Rig up cement truck and fill 14" casing to surface with Class "G" cement at 15 ppg and 1.2 ft³/sk yield. Total volume is 54.5 ft³ or 45 sacks.
- Cut-off casing at the base of the cellar or 3 feet below ground level (whichever is deeper). Weld a metal plate at least ¼ inch thick on to the 14" casing to cap the well. Inscribe the well name, location and API number (43-013-51182) on the metal plate. Finally, make a weep hole in the metal plate once it is welded in place.
- Backfill the cellar, backfill the reserve pit, and grade the location.

Young 6-16-3-1W - Deep Wasatch



Well: Young 6-16-3-1W
Field: Central Basin
Legal: SE/NW, Sec 16, T3S, R1W

Engineer: Mitch Benson
Rig: Ross #31
Elevation: KB = 20'

Logging	Formation	Depth		Wellbore Diagram	Hole Size	Casing Specs	Cement	Mud	Directional
		TVD	MD						
None	Uinta	surface 45'	45'		20"	20" Conductor	100 sks of Class "G" Cement with 2% CaCl2 + 0.25 #/sk Cello-Flake Mixed @ 15.8 ppg and 1.17 ft3/sk yield. 9 bbls to pit.	Air Mist	Vertical
	Surface	85'	85'	18"	14", 36# H-40				

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PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
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		STATE: UTAH

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	<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.

The Young 6-16-3-1W has been plugged following the previously approved procedure. Attached please find plugging details with a well bore diagram.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 15, 2014**

NAME (PLEASE PRINT) Don Hamilton	PHONE NUMBER 435 719-2018	TITLE Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE N/A	DATE 12/5/2013	

Young 6-16-3-1W - Deep Wasatch



Well: Young 6-16-3-1W
Field: Central Basin
Legal: SE/NW, Sec 16, T3S, R1W

Engineer: Mitch Benson
Rig: Ross #31
Elevation: KB = 20'

Logging	Formation	Depth		Wellbore Diagram	Hole Size	Casing Specs	Cement	P&A Operation
		TVD	MD					
None	Uinta	surface			20"	20" Conductor	100 sks of Class "G" Cement with 2% CaCl2 + 0.25 #/sk Cello-Flake Mixed @ 15.8 ppg and 1.17 ft3/sk yield. 9 bbls to pit.	14" casing filled with 22.5 sacks of Class "G" cement mixed at 15.8 ppg. Casing cutoff 5.5' below GL and covered with metal plate.
		45'	45'					
	Surface	PBSD	70'		18"	14", 36# H-40		
		85'	85'					

Form 3160-4
(March 2012)

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

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

5. Lease Serial No.
PATENTED

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.
YOUNG 6-16-3-1W

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

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

9. API Well No.
43-013-51182

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

10. Field and Pool or Exploratory
WILDCAT

At surface **1410' FNL 2361' FWL (SE/NW) SEC 16 T3S R1W**

11. Sec., T., R., M., on Block and
Survey or Area **SEC 16 T3S R1W**

At top prod. interval reported below

12. County or Parish **DUCHESNE** 13. State **UT**

At total depth

14. Date Spudded
03/29/2012

15. Date T.D. Reached
03/29/2012

16. Date Completed **03/29/2012**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5075' GL 5095' KB

18. Total Depth: MD **85'**
TVD

19. Plug Back T.D.: MD **70'**
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
18"	14" H-40	36	0'	85'		100 CLASS G		0'	

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
A)		
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status

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

Depth Interval	Amount and Type of Material

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

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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				UINTA	

32. Additional remarks (include plugging procedure):

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

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

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 [Signature] Date 6/24/15

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.