

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Murphy #2-31-3-2				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> WILDCAT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825				
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Patented			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Douglas B. & Beth Murphy						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-828-7236				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 4560 Dry Fork Canyon Road, Vernal, UT 84078						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		502 FNL 2460 FEL		NWNE	31	3.0 S	2.0 W	U		
Top of Uppermost Producing Zone		502 FNL 2460 FEL		NWNE	31	3.0 S	2.0 W	U		
At Total Depth		502 FNL 2460 FEL		NWNE	31	3.0 S	2.0 W	U		
<b>21. COUNTY</b> DUCHESENE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 502			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 0			<b>26. PROPOSED DEPTH</b> MD: 9700 TVD: 9700				
<b>27. ELEVATION - GROUND LEVEL</b> 5191			<b>28. BOND NUMBER</b> B 001834			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 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	13.375	0 - 60	48.0	H-40 ST&C	0.0	Class G	41	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 - 9700	20.0	P-110 LT&C	10.0	Premium Lite High Strength	387	3.53	11.0
							50/50 Poz	586	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<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					
<b>NAME</b> Don Hamilton				<b>TITLE</b> Permitting Agent				<b>PHONE</b> 435 719-2018		
<b>SIGNATURE</b>				<b>DATE</b> 06/11/2011				<b>EMAIL</b> starpoint@etv.net		
<b>API NUMBER ASSIGNED</b> 43013508330000				<b>APPROVAL</b>   Permit Manager						

**Newfield Production Company**  
**Murphy #2-31-3-2**  
**NW/NE Section 31, T3S, R2W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	2,982'
Wasatch	8,106'
TD	9,700'

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

Green River	7,606' - 8,106'	(Oil)
Wasatch	8,106' - TD	(Oil)

Fresh water may be encountered in the Uinta Formation, but is not expected below about 500'.

**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 13 3/8	0'	60'	48	H-40	STC	--	--	--	1,730	770	322,000
									--	--	--
Surface 9 5/8	0'	2,500'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
									2.51	2.54	4.38
Production 5 1/2	0'	9,700'	20	P-110	LTC	9.5	10	--	12,640	11,080	548,000
									3.31	2.72	2.82

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 <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	48	15%	15.8	1.17
				41			
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	4,700'	Premium Lite II w/ 3% KCl + 10% bentonite	1365	15%	11.0	3.53
				387			
Production Tail	8 3/4	2,500'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	726	15%	14.3	1.24
				586			

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.
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.

$$9,700' \times 0.49 \text{ psi/ft} = 4792 \text{ psi}$$

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

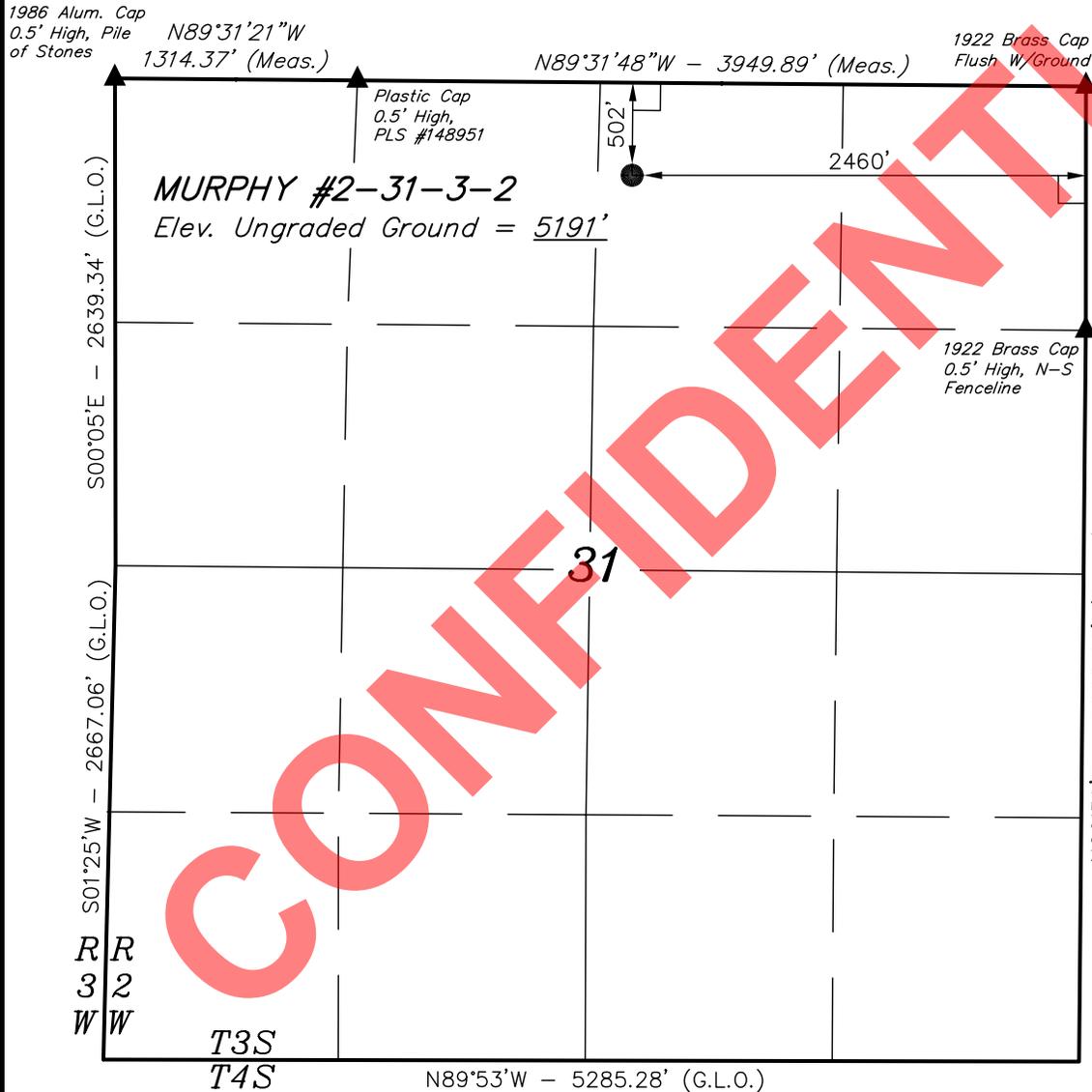
**9. Other Aspects**

This is planned as a vertical well.

**CONFIDENTIAL**

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

NEWFIELD EXPLORATION COMPANY



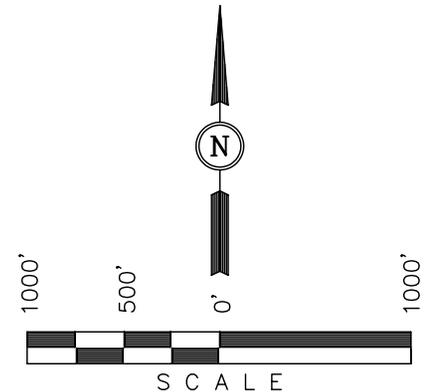
Well location, MURPHY #2-31-3-2, located as shown in the NW 1/4 NE 1/4 of Section 31, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

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.

ROBERT L. KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH  
06-03-11

REVISED: 06-01-11 J.I.  
REVISED: 05-03-11

<p><b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017</p>		
SCALE 1" = 1000'	DATE SURVEYED: 01-10-11	DATE DRAWN: 02-02-11
PARTY M.A. C.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE NEWFIELD EXPLORATION COMPANY	

LEGEND:

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

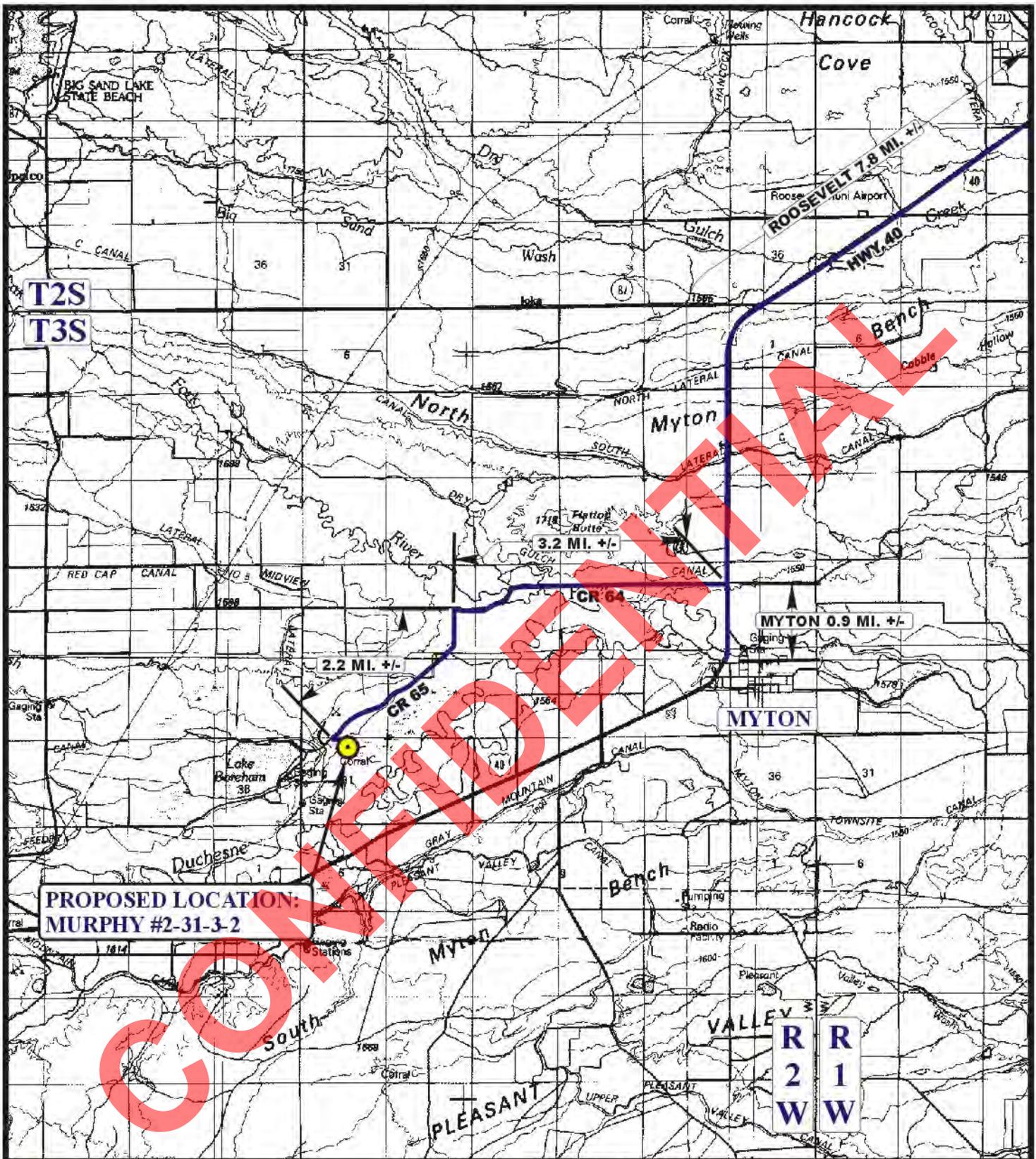
(NAD 83)  
LATITUDE = 40°11'03.58" (40.184328)  
LONGITUDE = 110°09'05.66" (110.151572)  
(NAD 27)  
LATITUDE = 40°11'03.73" (40.184369)  
LONGITUDE = 110°09'03.11" (110.150864)

NEWFIELD EXPLORATION COMPANY  
MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.

PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION FROM ROOSEVELT, UTAH ALONG HIGHWAY 40 APPROXIMATELY 7.8 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD 64 TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD 65 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1,194' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 13.4 MILES.

CONFIDENTIAL



**PROPOSED LOCATION:  
MURPHY #2-31-3-2**

**LEGEND:**

 PROPOSED LOCATION



**NEWFIELD EXPLORATION COMPANY**

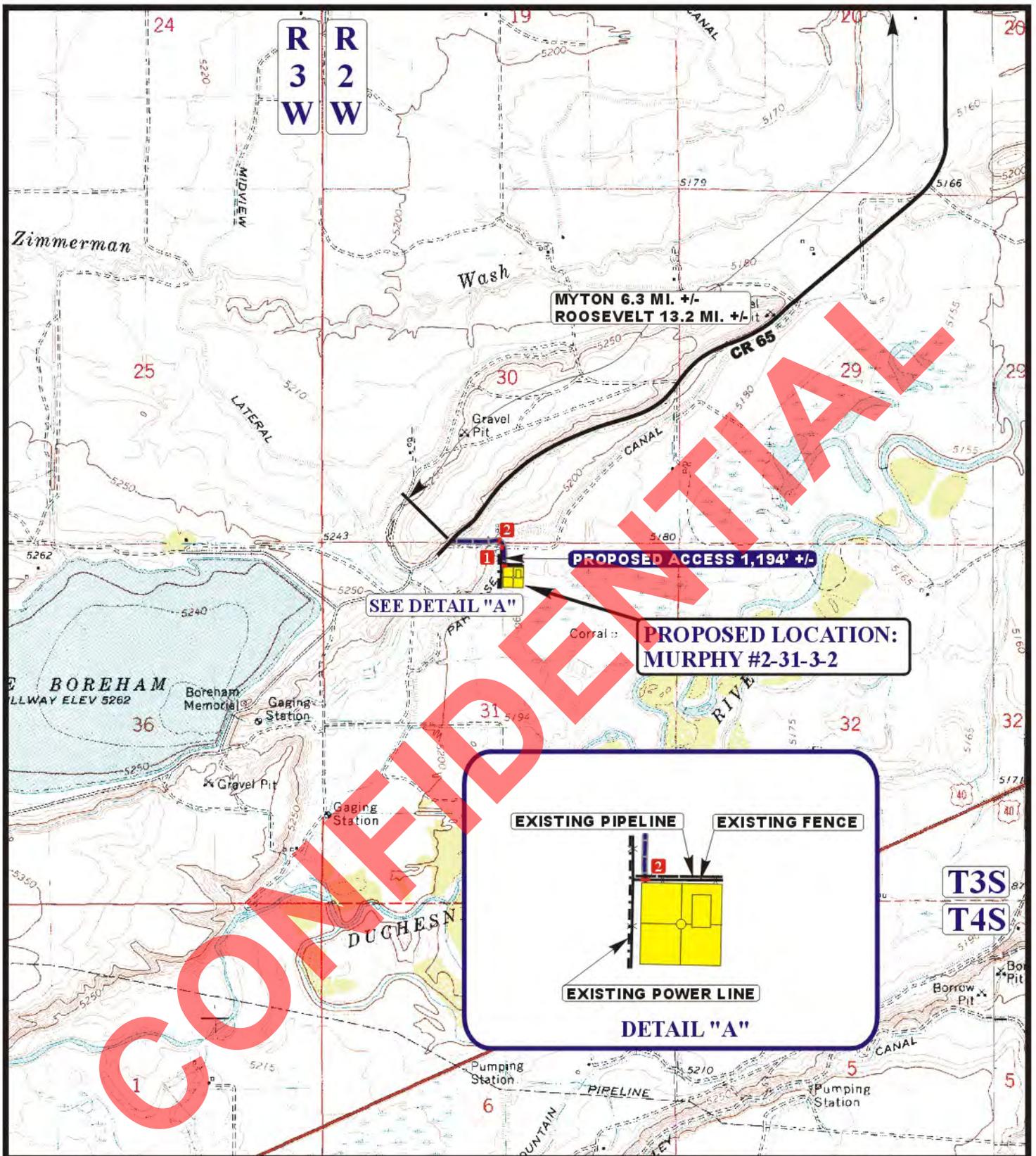
**MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL**



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

**TOPOGRAPHIC MAP** 01 14 11  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 06-02-11





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING FENCE
- EXISTING 48" CMP NEEDS UPGRADED
- INSTALL CATTLE GUARD

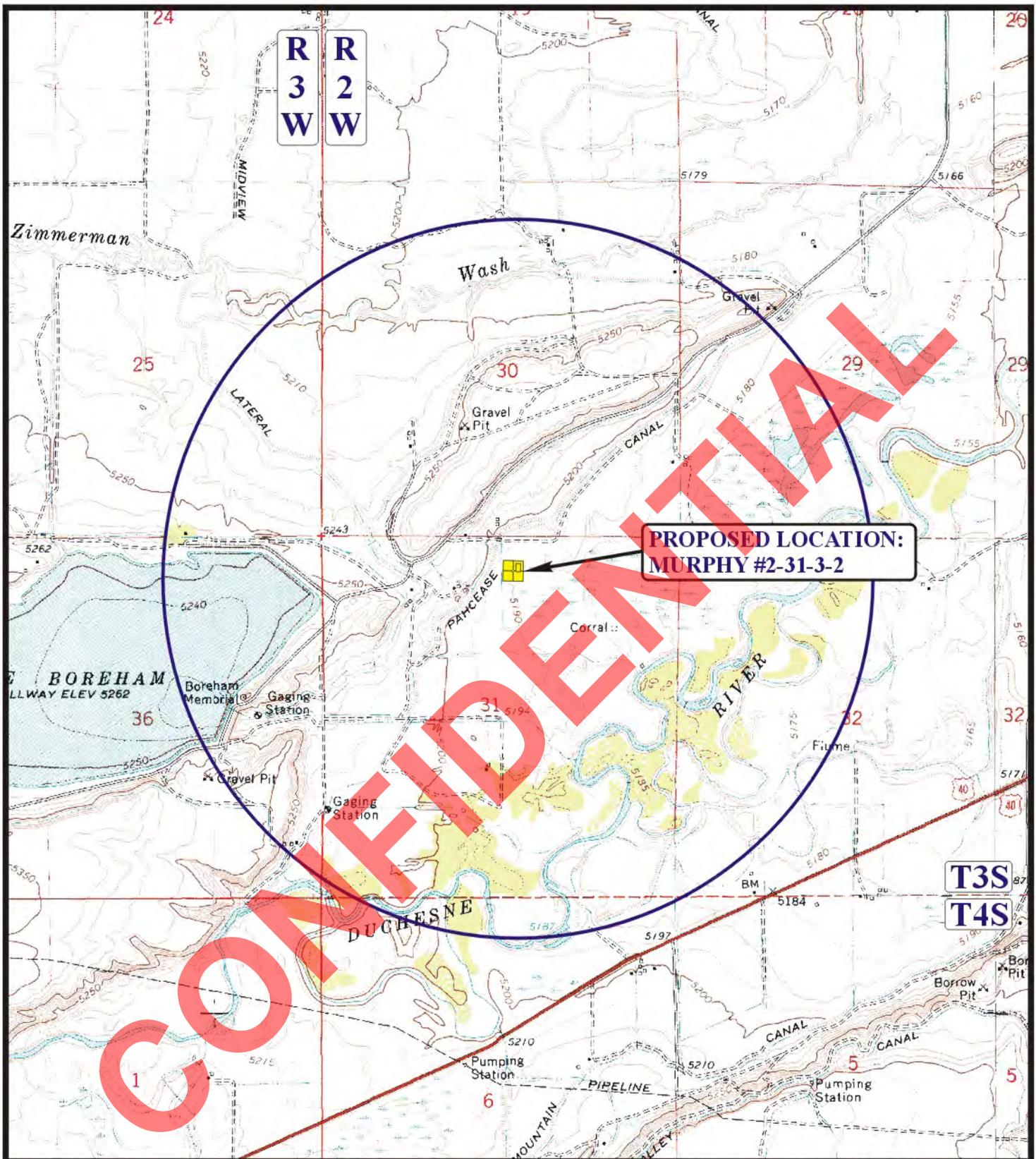
**NEWFIELD EXPLORATION COMPANY**

**MURPHY #2-31-3-2**  
**SECTION 31, T3S, R2W, U.S.B.&M.**  
**502' FNL 2460' FEL**

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



**TOPOGRAPHIC MAP** 01 14 11  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 06-02-11 **B TOPO**



**PROPOSED LOCATION:  
MURPHY #2-31-3-2**

CONFIDENTIAL

**LEGEND:**

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



**NEWFIELD EXPLORATION COMPANY**

**MURPHY #2-31-3-2**  
**SECTION 31, T3S, R2W, U.S.B.&M.**  
**502' FNL 2460' FEL**



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

<b>TOPOGRAPHIC</b>	<b>01</b>	<b>14</b>	<b>11</b>	<b>C</b> <b>TOPO</b>
<b>MAP</b>	MONTH	DAY	YEAR	
SCALE: 1" = 2000'		DRAWN BY: Z.L.		REVISED: 06-02-11

MEMORANDUM OF SURFACE DAMAGE RELEASE

State of Utah )(
County of Duchesne )(

For Ten Dollars (\$10.00) and other adequate consideration, Douglas B. Murphy and Beth Murphy, whose address is 4560 Dry Fork Canyon Rd., Vernal, Utah 84078-9409, hereafter referred to as "Surface Owner" has granted, a Surface Damage Release, to Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077, hereafter referred to as "Harvest", dated this 31 day of Jan, 2010, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from Murphy 2-31-3-2 Well on the following lands (the "Lands") in Duchesne County Utah: Township 3 South-Range 2 West, USM, Section 31: Part of the NW/4NE/4 Duchesne County, see attached Plat for well location:

The Surface Damage Release is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Damage Release.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 31 day of January, 2011.

SURFACE OWNER:

Douglas B. Murphy (signature)
Douglas B. Murphy

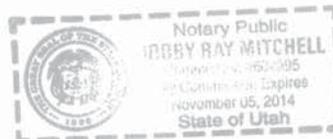
Beth Murphy (signature)
Beth Murphy

ACKNOWLEDGEMENT

STATE OF UTAH }
} :SS
COUNTY OF DUCHESNE }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 31 day of January, 2011, personally appeared Douglas B. Murphy and Beth Murphy, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Notary Public (signature)



**ROAD RIGHT-OF-WAY AGREEMENT**

STATE OF UTAH }  
 } :SS  
COUNTY OF DUCHESNE }

FOR AND IN CONSIDERATION OF TEN & 00/100ths DOLLARS (\$10.00) and other good and valuable consideration, in hand paid to **Douglas B. Murphy and Beth Murphy, whose address is 4560 Dry Fork Canyon Road, Vernal, UT 84078-9409,**

("GRANTOR"), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077,** its successors or assigns, a right-of-way to construct, maintain and use a road for the purpose of drilling, operating and maintaining a well or wells for the production of the oil and/or gas, and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said road and lands for any purpose necessary or incidental to the drilling, operating and maintaining a well or wells owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in Duchesne County, State of Utah, to-wit:

**Township 3 South-Range 2 West, USM, Section 31: Part of the NW/4NE/4, Duchesne County, see attached Plat(s) for the described right-of-way location:**

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantor shall not place anything over or so close to any road, or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of the road. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the roads, and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty-Six (66') feet in width for construction and for the permanent easement. Disturbed ground not in the permanent road easement to be reseeded at recommended seeding rates per Surface Owner once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Harvest (US) Holdings, Inc.,** its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee, at which time Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 31 day of January, 2011:

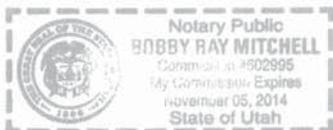
Douglas B. Murphy  
**Douglas B. Murphy**

Beth Murphy  
**Beth Murphy**

**ACKNOWLEDGEMENT**

STATE OF UTAH }  
 } :SS  
COUNTY OF DUCHENSE }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 31 day of January, 2011, personally appeared **Douglas B. Murphy and Beth Murphy**, before me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.



Bobby Ray Mitchell Notary Public

HARVEST (US) HOLDINGS, INC.

**LOCATION SURFACE USE AREA,  
ROAD & UTILITY RIGHT-OF-WAY  
ON FEE LANDS**

(For MURPHY #2-31-3-2)

LOCATED IN  
SECTIONS 30 & 31, T3S, R2W, U.S.B.&M.,  
DUCHESENE COUNTY, UTAH

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 31, T3S, R2W, U.S.B.&M. WHICH BEARS S72°24'20"E 1462.97' FROM THE NORTHWEST CORNER OF THE NE 1/4 NW 1/4 OF SAID SECTION 31, THENCE S89°47'03"E 288.49'; THENCE S00°12'57"W 350.00'; THENCE S89°47'03"W 350.00'; THENCE N00°12'57"E 350.00'; THENCE S89°47'03"E 61.51' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.812 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS N88°44'33"E 512.25' FROM THE SOUTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SECTION 30, T3S, R2W, U.S.B.&M.

P.O.S.L. STA. 8+19.22 BEARS S89°31'48"E 1305.97' FROM THE SOUTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SECTION 30, T3S, R2W, U.S.B.&M.

END OF ROAD STA. 12+87.48 BEARS S72°24'20"E 1462.97' FROM THE NORTHWEST CORNER OF THE NE 1/4 NW 1/4 SECTION 31, T3S, R2W, U.S.B.&M.

**ROAD & UTILITY CORRIDOR  
RIGHT-OF-WAY DESCRIPTION**

A 66' WIDE RIGHT-OF-WAY 33' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 30, T3S, R2W, U.S.B.&M. WHICH BEARS N86°44'33"E 512.25' FROM THE SOUTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SAID SECTION 30, THENCE S78°41'11"E 43.44'; THENCE N88°40'48"E 115.06'; THENCE S89°47'03"E 230.38'; THENCE N88°40'46"E 115.06'; THENCE N73°51'21"E 164.51'; THENCE S68°32'36"E 95.91'; THENCE N73°51'21"E 119.61'; THENCE S68°32'36"E 95.91'; THENCE S61°44'53"E 119.61'; THENCE S66°26'13"E 12.92' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SW 1/4 OF SAID SECTION 30 WHICH BEARS S89°31'48"E 1305.97' FROM THE NORTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SAID SECTION 30, THENCE S66°26'13"E 24.43'; THENCE S56°17'03"E 19.28'; THENCE S35°17'57"E 32.35'; THENCE S01°26'17"W 288.64'; THENCE S28°10'11"E 103.55' TO A POINT IN THE NW 1/4 NE 1/4 OF SECTION 31, T3S, R2W, U.S.B.&M. WHICH BEARS S72°24'20"E 1462.97' FROM THE NORTHWEST CORNER OF THE NE 1/4 NW 1/4 OF SAID SECTION 31. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.920 ACRES MORE OR LESS.

Douglas B. & Beth Murphy

N89°31'48"W - 3949.89' (Meas.)

END OF PROPOSED ROAD & UTILITY CORRIDOR RIGHT-OF-WAY STA. 12+87.48 (At Edge of Surface Use Area)

SURFACE USE AREA MURPHY #2-31-3-2 Contains 2.812 Acres

Douglas B. & Beth Murphy

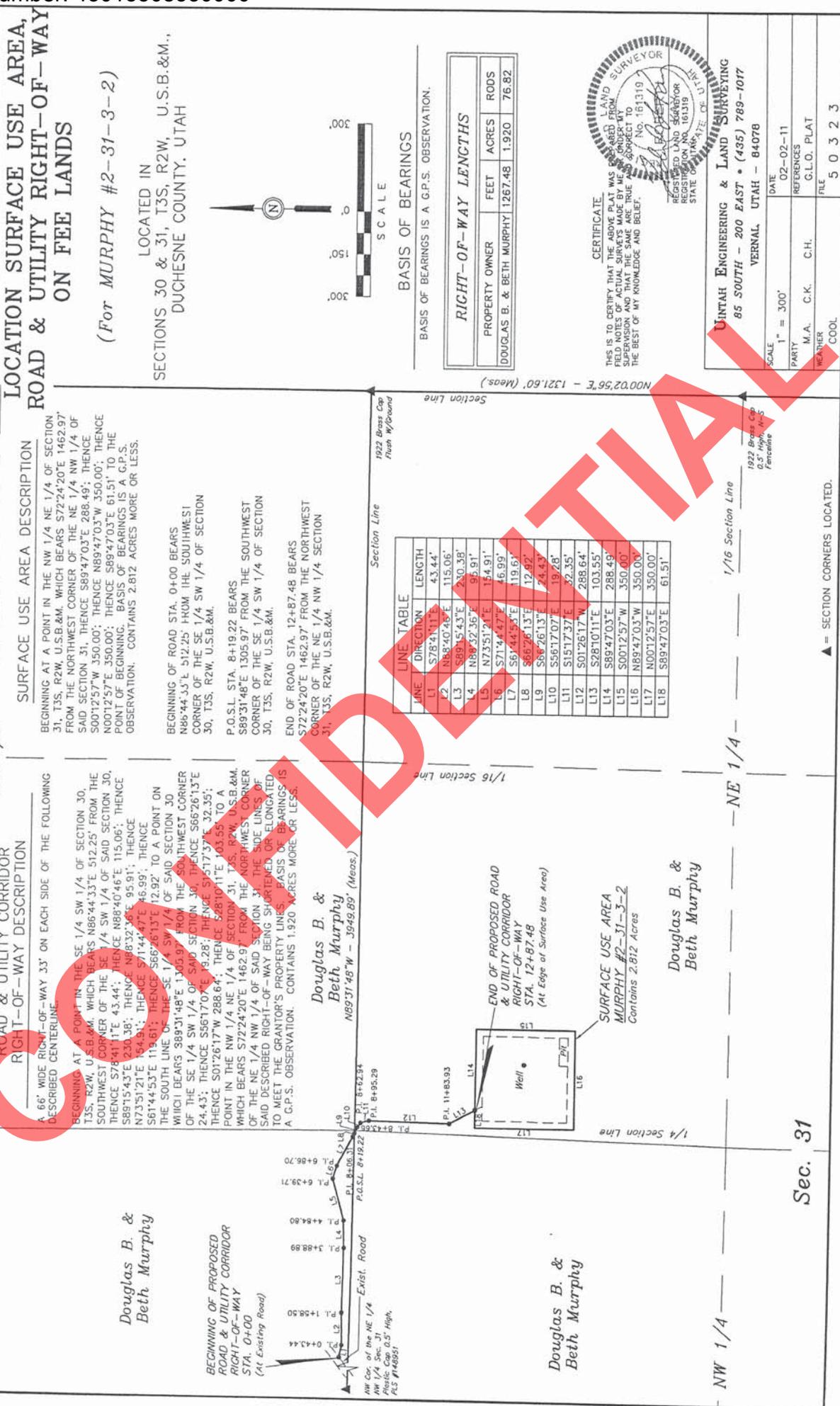
Sec. 30

SW 1/4

SE 1/4

1922 Brass Cap  
0.5" High, N-S  
Fermite

1922 Brass Cap  
0.5" High, N-S  
Fermite



LINE	DIRECTION	LENGTH
L1	S78°41'11"E	43.44'
L2	N88°40'48"E	115.06'
L3	S89°47'03"E	230.38'
L4	N88°40'46"E	115.06'
L5	N73°51'21"E	164.51'
L6	S68°32'36"E	95.91'
L7	N73°51'21"E	119.61'
L8	S68°32'36"E	95.91'
L9	S61°44'53"E	119.61'
L10	S66°26'13"E	12.92'
L11	S56°17'03"E	19.28'
L12	S35°17'57"E	32.35'
L13	S01°26'17"W	288.64'
L14	S28°10'11"E	103.55'
L15	S89°47'03"E	288.49'
L16	S00°12'57"W	350.00'
L17	N89°47'03"W	350.00'
L18	S89°47'03"E	61.51'

LINE TABLE

Section Line

1/16 Section Line



SCALE

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

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
DOUGLAS B. & BETH MURPHY	1267.48	1.920	76.82



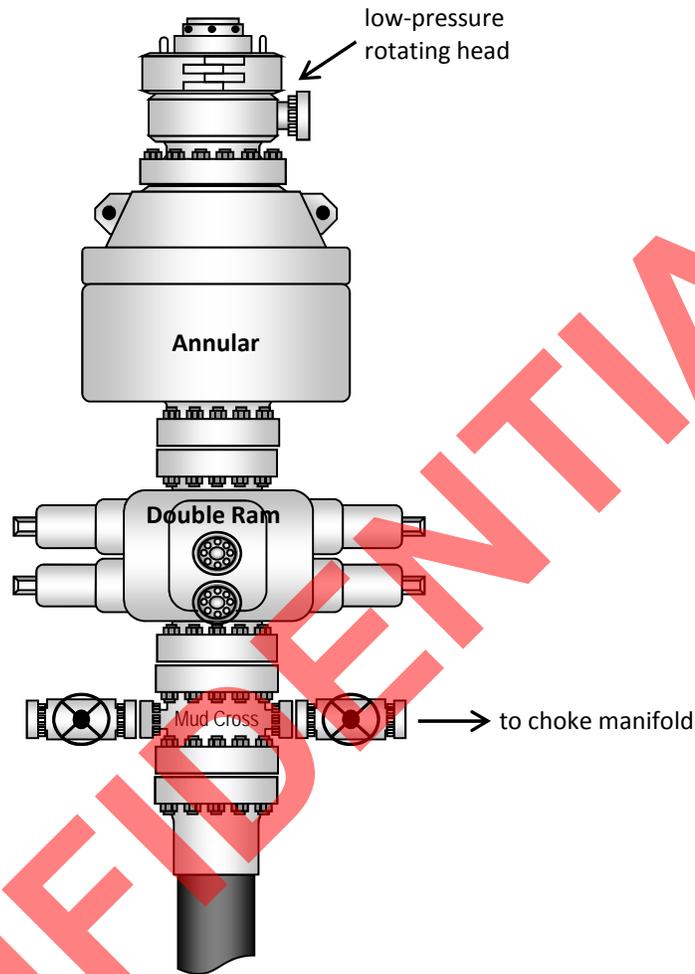
CERTIFICATE  
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER THE SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

SCALE	1" = 300'	DATE	02-02-11
PARTY	M.A. C.K. C.H.	REFERENCES	G.L.O. PLAT
WEATHER	COOL	FILE	5 0 3 2 3

▲ = SECTION CORNERS LOCATED.

Typical 5M BOP stack configuration





June 9, 2011

State of Utah, Division of Oil, Gas & Mining  
Attn: Diana Mason  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Exception Location  
**Murphy 2-31-3-2**  
T3S-R2W Section 31: NWNE  
502' FNL 2460' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 280' West of the drilling window tolerance for the NWNE of Sec. 31-T3S-R2W. The proposed location has been selected at the request of the surface owner.

Please note that Newfield Production Company is the owner of 100% of the leasehold interest in all lands within 460' of the proposed location.

Should you have any questions or concerns regarding the above, please feel encouraged to contact me via email at [sgillespie@newfield.com](mailto:sgillespie@newfield.com) or by phone at (303)383-4197. Your consideration in this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink, appearing to read "Shane Gillespie".

Shane Gillespie  
Landman  
Newfield Production Company

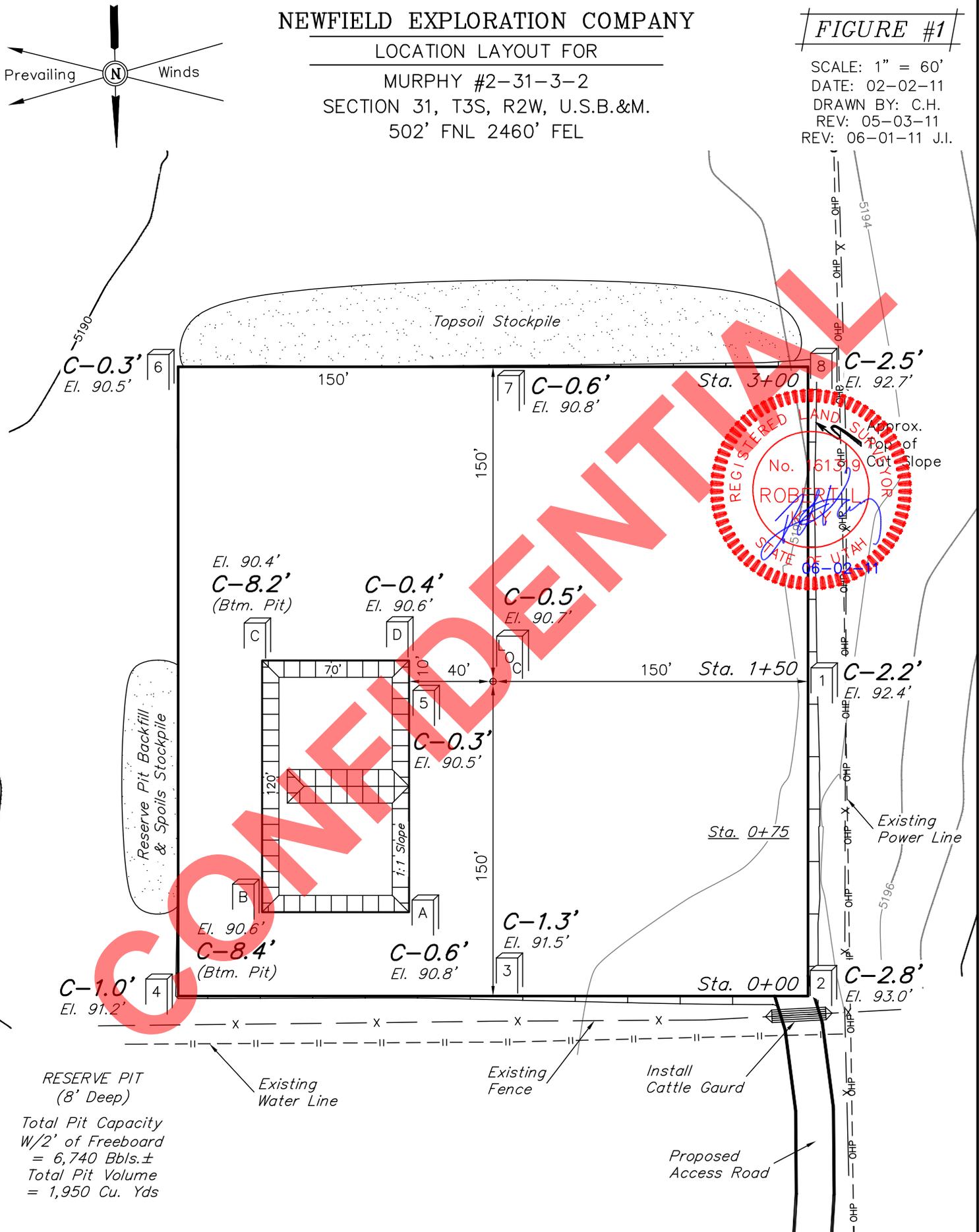
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT FOR

MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL

FIGURE #1

SCALE: 1" = 60'  
DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



Elev. Ungraded Ground At Loc. Stake = 5190.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5190.2'

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

NEWFIELD EXPLORATION COMPANY

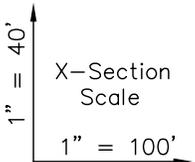
FIGURE #2

TYPICAL CROSS SECTIONS FOR

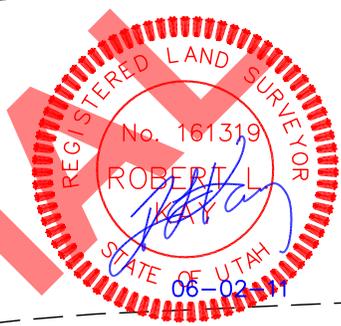
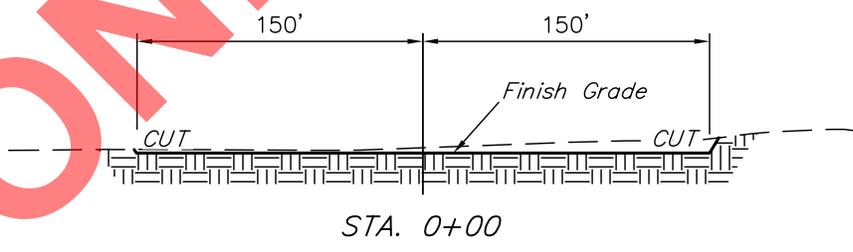
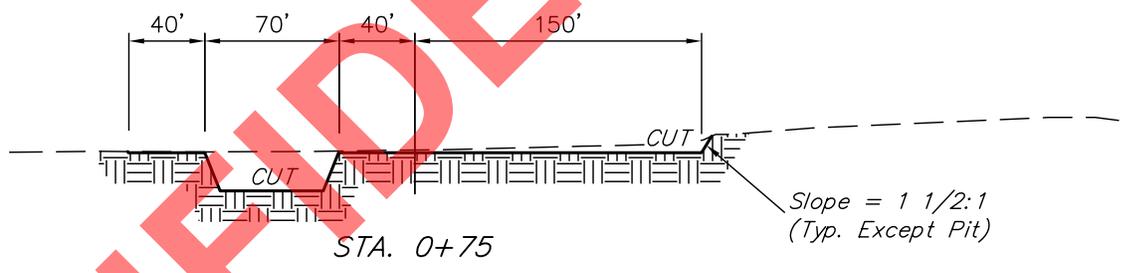
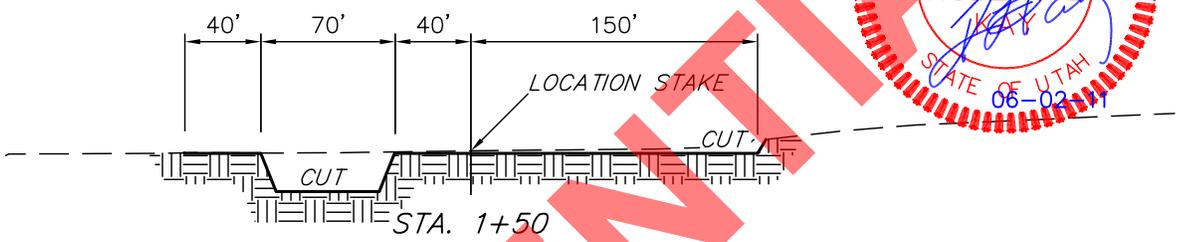
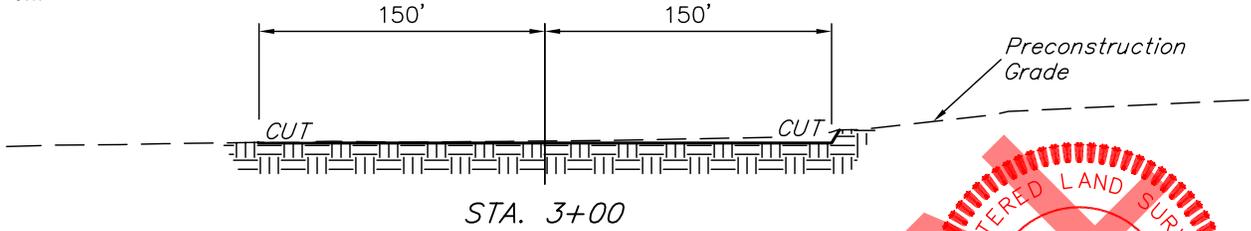
MURPHY #2-31-3-2

SECTION 31, T3S, R2W, U.S.B.&M.

502' FNL 2460' FEL



DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



CONFIDENTIAL

NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 2.812 ACRES
ACCESS ROAD DISTURBANCE	= ± 1.838 ACRES
<b>TOTAL</b>	<b>= ± 4.650 ACRES</b>

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 3,460 Cu. Yds.
Remaining Location	= 2,210 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,670 CU.YDS.</b>
<b>FILL</b>	<b>= 1,230 CU.YDS.</b>

EXCESS MATERIAL	= 4,440 Cu. Yds.
Topsoil & Pit (1/2 Pit Vol.)	= 4,440 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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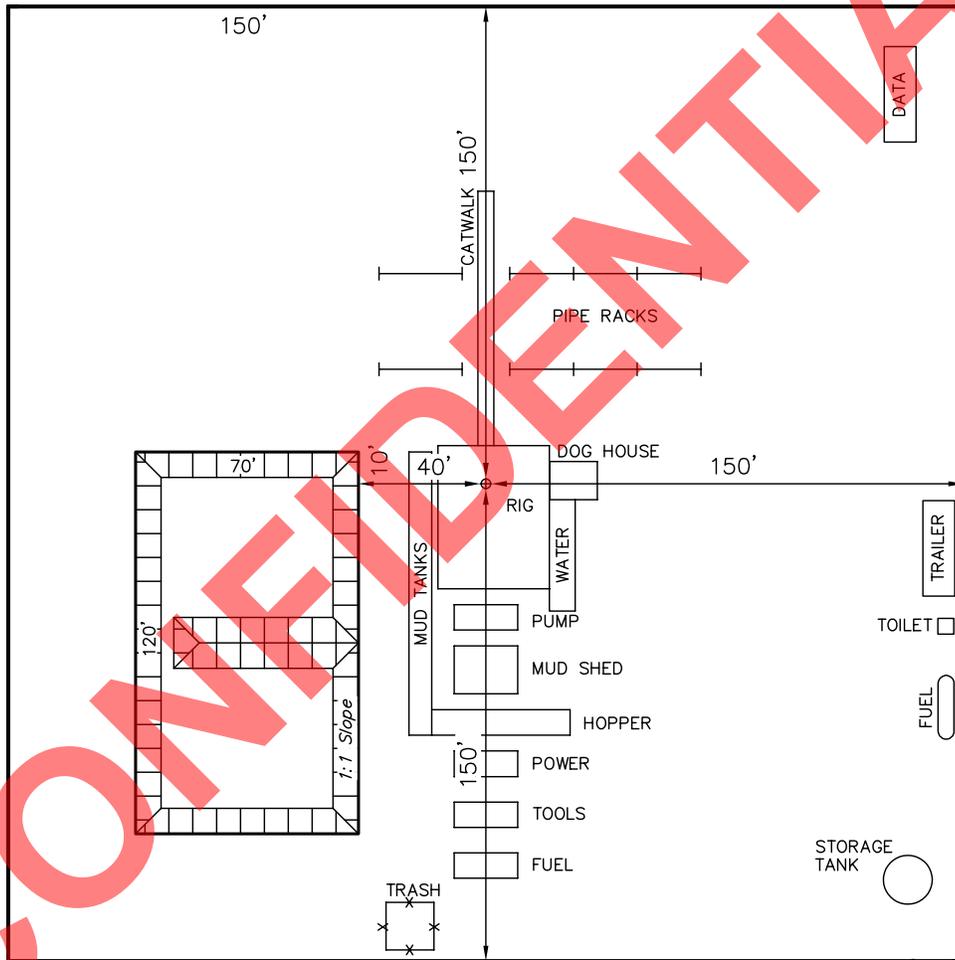
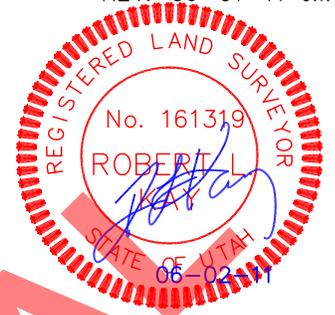
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT FOR

MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL

FIGURE #3

SCALE: 1" = 60'  
DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



RESERVE PIT  
(8' Deep)

Total Pit Capacity  
W/2' of Freeboard  
= 6,740 Bbls.±  
Total Pit Volume  
= 1,950 Cu. Yds

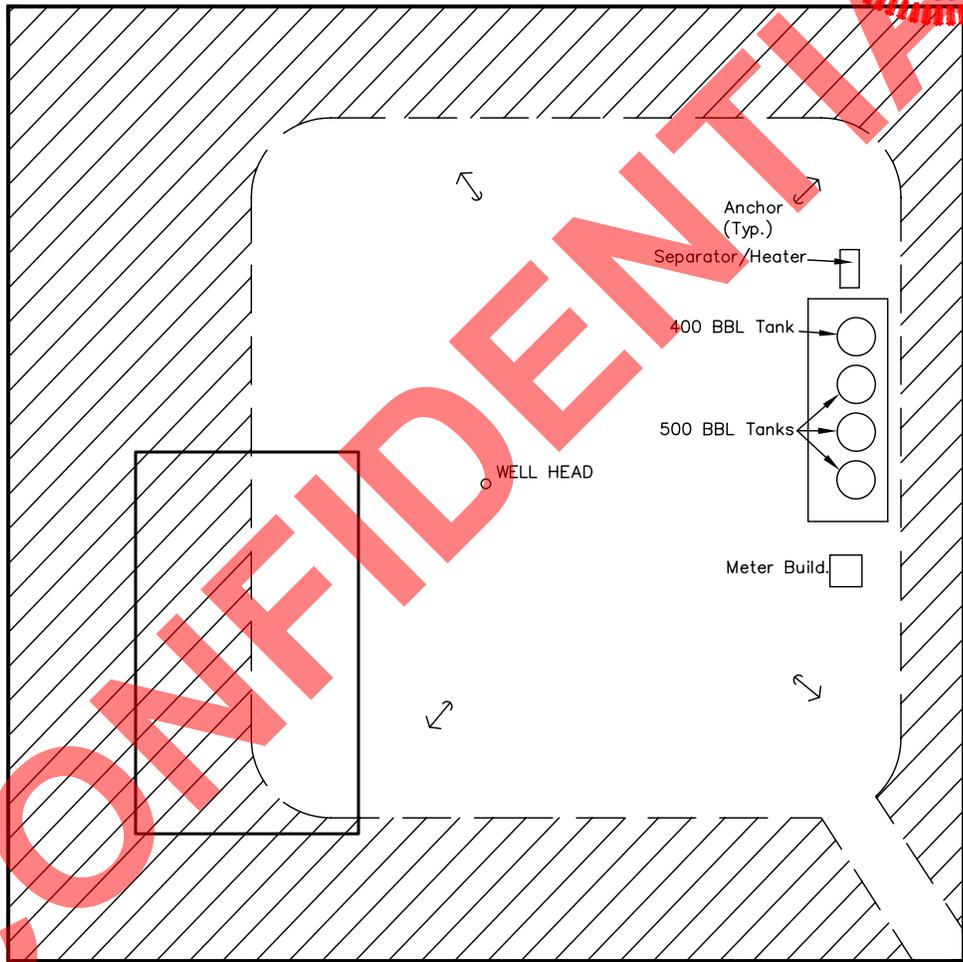
Proposed  
Access Road



NEWFIELD EXPLORATION COMPANY  
PRODUCTION FACILITY LAYOUT FOR  
MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL

FIGURE #4

SCALE: 1" = 60'  
DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 1.041 ACRES

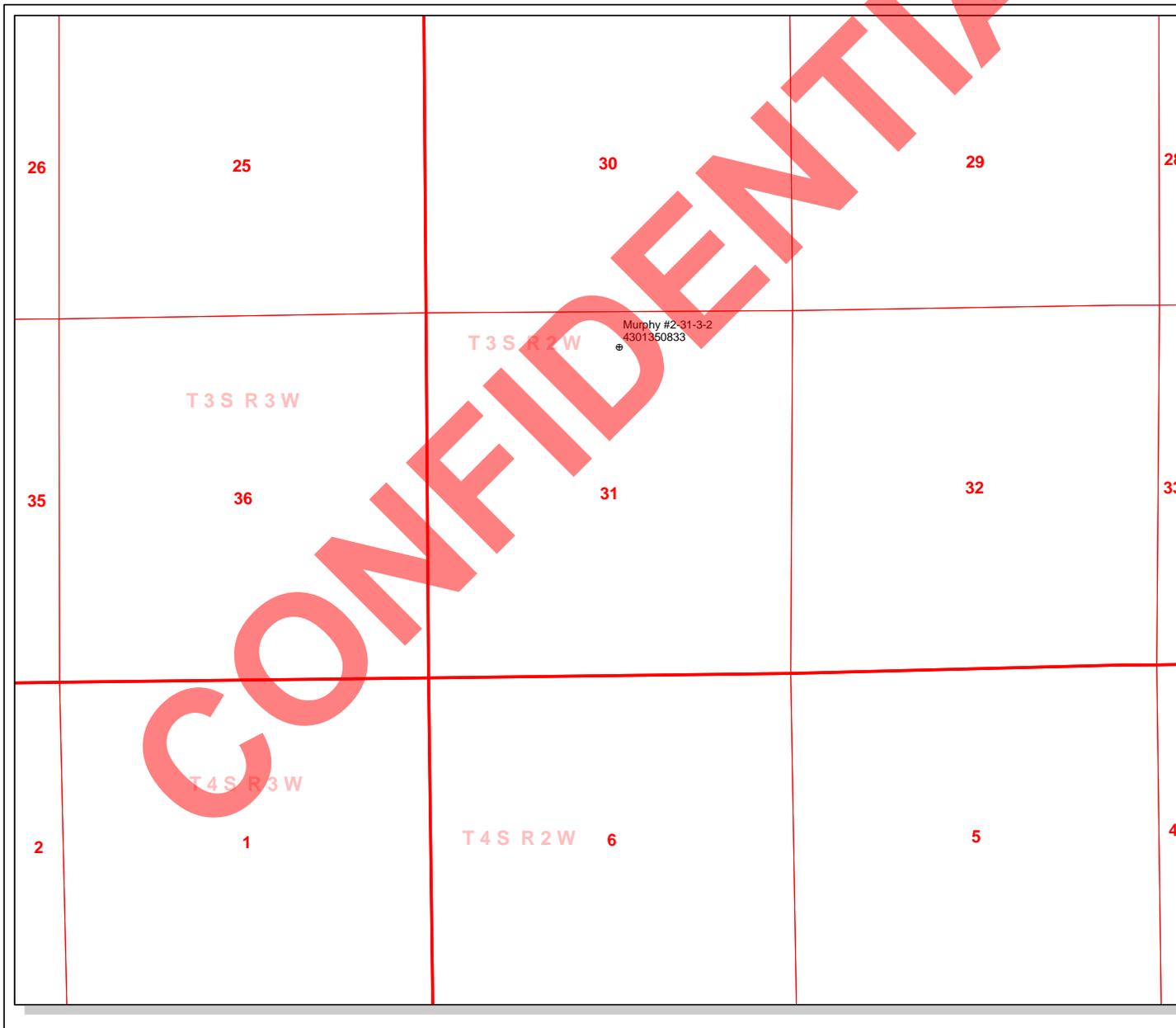
Proposed Access Road

RECLAIMED AREA

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

RECEIVED: Jul. 07, 2011

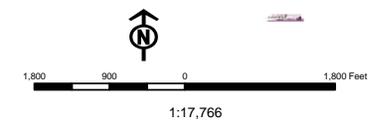
CONFIDENTIAL



**API Number: 4301350833**  
**Well Name: Murphy #2-31-3-2**  
**Township T0.3 . Range R0.2 . Section 31**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- | Units         | Wells Query                        |
|---------------|------------------------------------|
| <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  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | DPS - Operation Suspended          |
| PP GEOTHERML  | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
| <b>Fields</b> | SGW - Shut-in Gas Well             |
| <b>STATUS</b> | SOW - Shut-in Oil Well             |
| Unknown       | TA - Temp. Abandoned               |
| ABANDONED     | TW - Test Well                     |
| ACTIVE        | WDW - Water Disposal               |
| COMBINED      | WIW - Water Injection Well         |
| INACTIVE      | WSW - Water Supply Well            |
| STORAGE       |                                    |
| TERMINATED    |                                    |
| Sections      |                                    |
| Township      |                                    |



Well Name	NEWFIELD PRODUCTION COMPANY Murphy #2-31-3-2 4301			
String	Cond	Surf	Prod	
Casing Size(")	13.375	9.625	5.500	
Setting Depth (TVD)	60	2500	9700	
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	12630	
Operators Max Anticipated Pressure (psi)	4792		9.5	

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO <input type="checkbox"/> air drill <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO <input type="checkbox"/> OK <input type="checkbox"/>
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	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	779	NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	529	NO <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	542	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

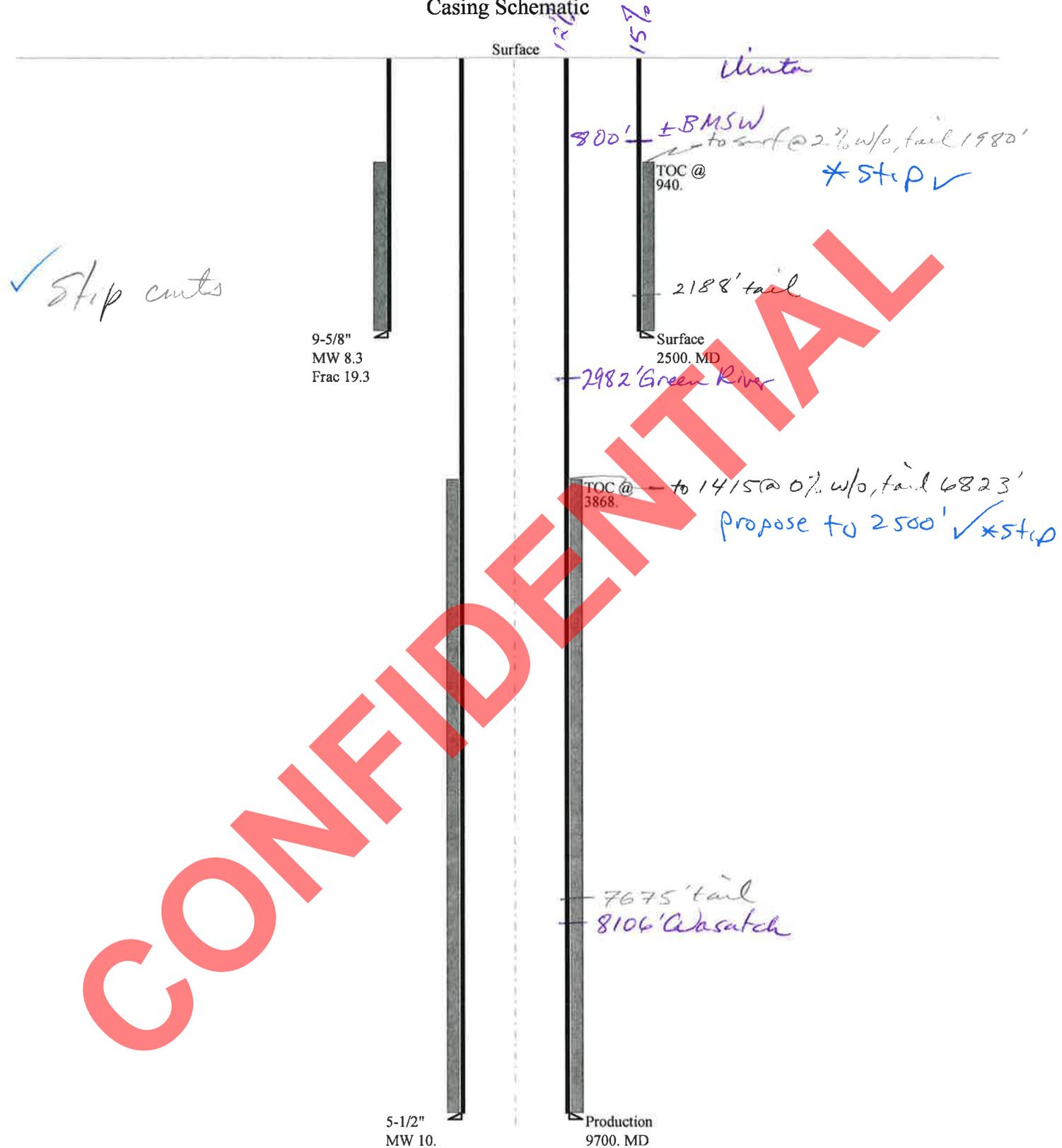
Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5044	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3880	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2910	YES <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3460	NO <input type="checkbox"/> Reasonable <input type="checkbox"/>
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=		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi

**CONFIDENTIAL**

# 43013508330000 Murphy #2-31-3-2

## Casing Schematic



Well name:	<b>43013508330000 Murphy #2-31-3-2</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Surface	Project ID: 43-013-50833
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 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: 9,700 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 5,039 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: July 7, 2011  
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:	<b>43013508330000 Murphy #2-31-3-2</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Production	Project ID:	43-013-50833
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: 210 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: 3,868 ft

**Burst**

Max anticipated surface pressure: 2,905 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 5,039 psi  
 No backup mud specified.

**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)

Non-directional string.

Tension is based on air weight.  
 Neutral point: 8,232 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9700	5.5	20.00	P-110	LT&C	9700	9700	4.653	75159
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	5039	11100	2.203	5039	12630	2.51	194	548	2.82 J

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

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

Date: July 7, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9700 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** Murphy #2-31-3-2  
**API Number** 43013508330000      **APD No** 3984      **Field/Unit** WILDCAT  
**Location: 1/4,1/4** NWNE      **Sec** 31      **Tw** 3.0S      **Rng** 2.0W      502 FNL 2460 FEL  
**GPS Coord (UTM)** 572291 4448358      **Surface Owner** Douglas B. & Beth Murphy

### Participants

Floyd Bartlett (DOGM), Tim Eaton, Jeff Henderson (Newfield Exploration Company).

### Regional/Local Setting & Topography

The general area is approximately 13.4 road miles southwest of Roosevelt and 5 ½ air miles west of Myton, Duchesne County, UT. The site is within bottomlands formed by the Duchesne and Lake Fork Rivers, which join approximately 2 ½ miles east to the location. Topography is broad bottomlands bordered by gentle sloping side-hills. Much of the bottomlands are used for agriculture. Access is by State, County and a planned oil field development road. Approximately 1194 feet of betterment and new construction extending east from the Duchesne County Road 65 across Murphy's private land will be required to reach the location.

The proposed Murphy #2-31-3-2 oil well location and minerals are owned by Douglas and Beth Murphy. It is outside the normal drilling window at the request of Mr. Murphy to reduce the impact on his irrigation system. A surface use agreement exists. It is located in the northwest corner of a wheel-line sprinkler irrigated alfalfa field. It was discussed that it may be possible to reduce the pad 40 feet in width behind the reserve pit. This would reduce the amount of disturbance and re-seeding needed. Also the reserve pit spoils and pad topsoil pile should be relocated so as not to extend beyond the pad and into the irrigated field. Several ditches or canals are in the general area. The selected site appears to be a good location for constructing a pad, drilling and operating a well. Some surface hardening may be needed.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Agricultural

#### **New Road Miles**

0.01

#### **Well Pad**

**Width** 300      **Length** 300

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

#### **Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Vegetation on the area is mostly alfalfa. Some Russian knapweed dandelions and cheat grass occurs

Cattle, antelope, deer, prairie dogs, small mammals and birds.

#### **Soil Type and Characteristics**

Deep sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)		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)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	<b>Final Score</b>	55	1 Sensitivity Level

Characteristics / Requirements

A reserve pit 120' x 70' x 8' deep will be dug in the southeast corner of the site. A 16 mill liner with felt subliner will be used.

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

Other Observations / Comments

Floyd Bartlett  
Evaluator

6/14/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

7/7/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
3984	43013508330000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Douglas B. & Beth Murphy	
<b>Well Name</b>	Murphy #2-31-3-2		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWNE 31 3S 2W U 502 FNL 2460 FEL		GPS Coord (UTM)	572285E	4448361N

## Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The surface hole will be drilled with air and fresh water mud. The base of the moderately saline water at this location is estimated to be at a depth of 800'. A search of Division of Water Rights records shows 9 water wells within a 10,000 foot radius of the center of Section 31. Two wells are located within 1/2 mile of the proposed location with depths of 51 and 300 feet. All wells are privately owned. Depth is listed as ranging from 42 to 300 feet. Depth is not listed for 4 wells. Average depth for wells listed is 50 feet. Water use is listed as irrigation, stock watering, fish culture, commercial and domestic use. 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 surface casing should adequately protect useable ground water in this area.

Brad Hill  
APD Evaluator

6/23/2011  
Date / Time

## Surface Statement of Basis

The general area is approximately 13.4 road miles southwest of Roosevelt and 5 1/2 air miles west of Myton, Duchesne County, UT. The site is within bottomlands formed by the Duchesne and Lake Fork Rivers, which join approximately 2 1/2 miles east to the location. Topography is broad bottomlands bordered by gentle sloping side-hills. Much of the bottomlands are used for agriculture. Access is by State, County and a planned oil field development road. Approximately 1194 feet of betterment and new construction extending east from the Duchesne County Road 65 across Murphy's private land will be required to reach the location.

The proposed Murphy #2-31-3-2 oil well location and minerals are owned by Douglas and Beth Murphy. It is outside the normal drilling window at the request of Mr. Murphy to reduce the impact on his irrigation system. A surface use agreement exists. It is located in the northwest corner of a wheel-line sprinkler irrigated alfalfa field. It was discussed that it may be possible to reduce the pad 40 feet in width behind the reserve pit. This would reduce the amount of disturbance and re-seeding needed. Also the reserve pit spoils and pad topsoil pile should be relocated so as not to extend beyond the pad and into the irrigated field. Several ditches or canals are in the general area. The selected site appears to be a good location for constructing a pad, drilling and operating a well. Some surface hardening may be needed.

Mr. Douglas Murphy was invited to the preside visit. He indicated he would attend but was contacted by phone saying he would not attend. It appears his concerns are being met by Newfield.

Floyd Bartlett  
Onsite Evaluator

6/14/2011  
Date / Time

## Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner as needed shall be properly installed and maintained in the reserve pit.

**RECEIVED: Jul. 07, 2011**

---

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

7/7/2011

**Utah Division of Oil, Gas and Mining**

Page 2

---

Surface  
Surface

The well site shall be bermed to prevent fluids from leaving the pad.  
The reserve pit shall be fenced upon completion of drilling operations.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 6/11/2011

**API NO. ASSIGNED:** 43013508330000

**WELL NAME:** Murphy #2-31-3-2

**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)

**PHONE NUMBER:** 435 719-2018

**CONTACT:** Don Hamilton

**PROPOSED LOCATION:** NWNE 31 030S 020W

**Permit Tech Review:**

**SURFACE:** 0502 FNL 2460 FEL

**Engineering Review:**

**BOTTOM:** 0502 FNL 2460 FEL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.18442

**LONGITUDE:** -110.15091

**UTM SURF EASTINGS:** 572285.00

**NORTHINGS:** 4448361.00

**FIELD NAME:** WILDCAT

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** Patented

**PROPOSED PRODUCING FORMATION(S):** WASATCH

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
  - Bond: STATE/FEE - B 001834
  - Potash
  - Oil Shale 190-5
  - Oil Shale 190-3
  - Oil Shale 190-13
  - Water Permit: 437478
  - RDCC Review: 2011-07-07 00:00:00.0
  - Fee Surface Agreement
  - Intent to Commingle
- Commingling Approved**

**LOCATION AND SITING:**

- R649-2-3.
- Unit:**
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No:** R649-3-3
- Effective Date:**
- Siting:**
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:**

- 1 - Exception Location - dmason
- 5 - Statement of Basis - bhill
- 12 - Cement Volume (3) - hmacdonald
- 21 - RDCC - dmason
- 23 - Spacing - dmason
- 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:** Murphy #2-31-3-2  
**API Well Number:** 43013508330000  
**Lease Number:** Patented  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 7/7/2011

**Issued to:**

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

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. 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

**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:**

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

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2300' MD to rise 200' within casing shoe.

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:**

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

For John Rogers  
Associate Director, Oil & Gas

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Murphy #2-31-3-2				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> WILDCAT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825				
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Patented			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Douglas B. & Beth Murphy						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-828-7236				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 4560 Dry Fork Canyon Road, Vernal, UT 84078						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		502 FNL 2460 FEL		NWNE	31	3.0 S	2.0 W	U		
Top of Uppermost Producing Zone		502 FNL 2460 FEL		NWNE	31	3.0 S	2.0 W	U		
At Total Depth		502 FNL 2460 FEL		NWNE	31	3.0 S	2.0 W	U		
<b>21. COUNTY</b> DUCHEсне			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 502			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 0			<b>26. PROPOSED DEPTH</b> MD: 9700 TVD: 9700				
<b>27. ELEVATION - GROUND LEVEL</b> 5191			<b>28. BOND NUMBER</b> B 001834			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 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	13.375	0 - 60	48.0	H-40 ST&C	0.0	Class G	41	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 - 9700	20.0	P-110 LT&C	10.0	Premium Lite High Strength	387	3.53	11.0
							50/50 Poz	586	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<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					
<b>NAME</b> Don Hamilton				<b>TITLE</b> Permitting Agent				<b>PHONE</b> 435 719-2018		
<b>SIGNATURE</b>				<b>DATE</b> 06/11/2011				<b>EMAIL</b> starpoint@etv.net		
<b>API NUMBER ASSIGNED</b> 43013508330000				<b>APPROVAL</b>   Permit Manager						

**Newfield Production Company**  
**Murphy #2-31-3-2**  
**NW/NE Section 31, T3S, R2W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	2,982'
Wasatch	8,106'
TD	9,700'

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

Green River	7,606' - 8,106'	(Oil)
Wasatch	8,106' - TD	(Oil)

Fresh water may be encountered in the Uinta Formation, but is not expected below about 500'.

**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 13 3/8	0'	60'	48	H-40	STC	--	--	--	1,730	770	322,000
									--	--	--
Surface 9 5/8	0'	2,500'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
									2.51	2.54	4.38
Production 5 1/2	0'	9,700'	20	P-110	LTC	9.5	10	--	12,640	11,080	548,000
									3.31	2.72	2.82

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 <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	48	15%	15.8	1.17
				41			
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	4,700'	Premium Lite II w/ 3% KCl + 10% bentonite	1365	15%	11.0	3.53
				387			
Production Tail	8 3/4	2,500'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	726	15%	14.3	1.24
				586			

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.
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.

$$9,700' \times 0.49 \text{ psi/ft} = 4792 \text{ psi}$$

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

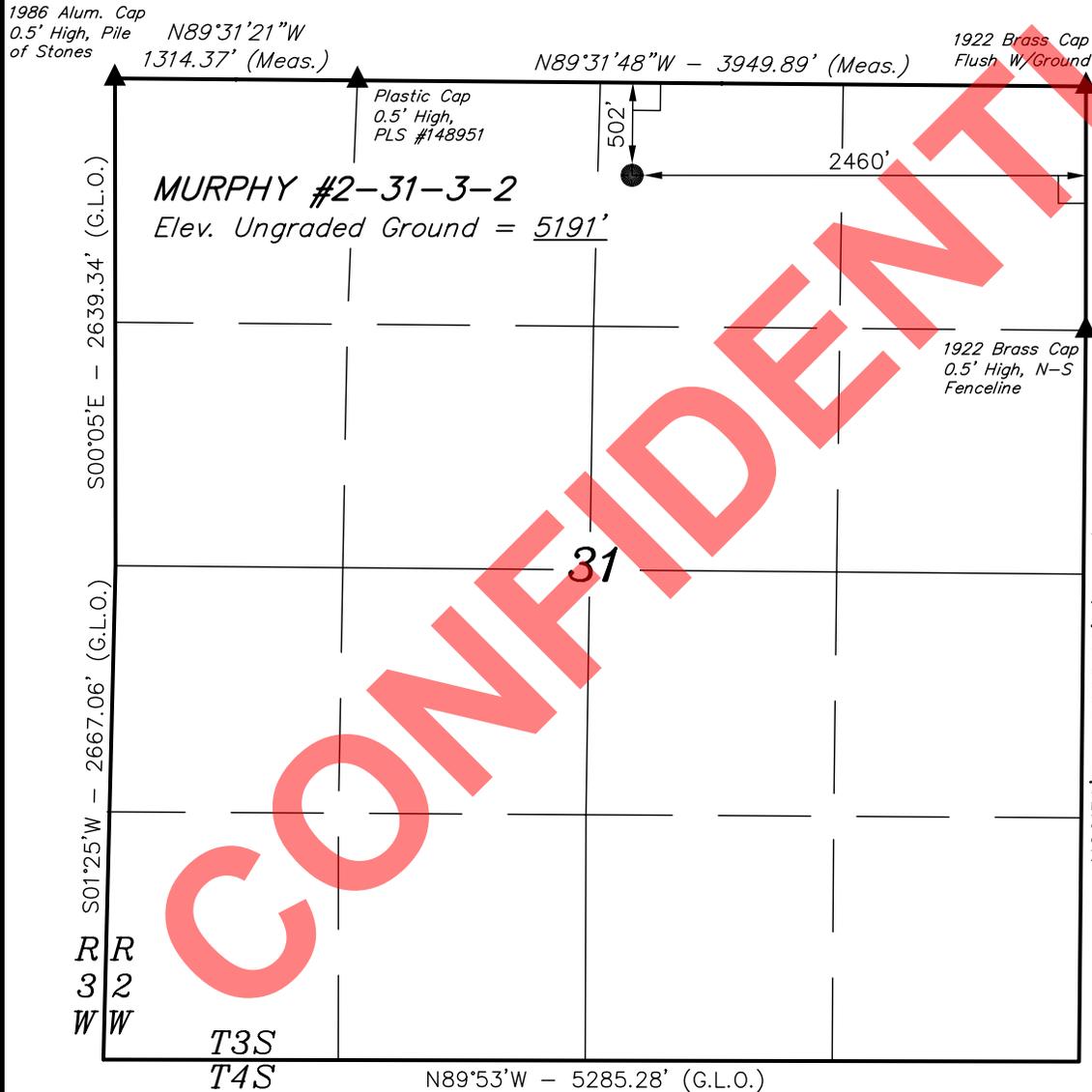
**9. Other Aspects**

This is planned as a vertical well.

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

NEWFIELD EXPLORATION COMPANY



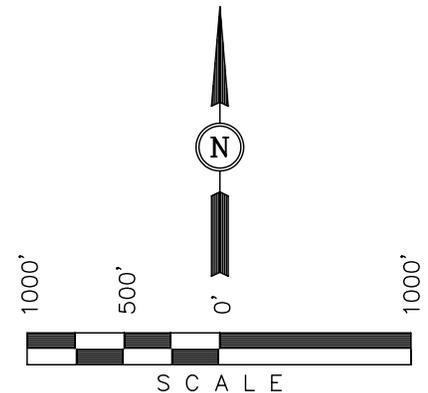
Well location, MURPHY #2-31-3-2, located as shown in the NW 1/4 NE 1/4 of Section 31, T3S, R2W, U.S.B.&M., Duchesne County, Utah.

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.

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

REVISED: 06-01-11 J.I.  
REVISED: 05-03-11

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

LEGEND:

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

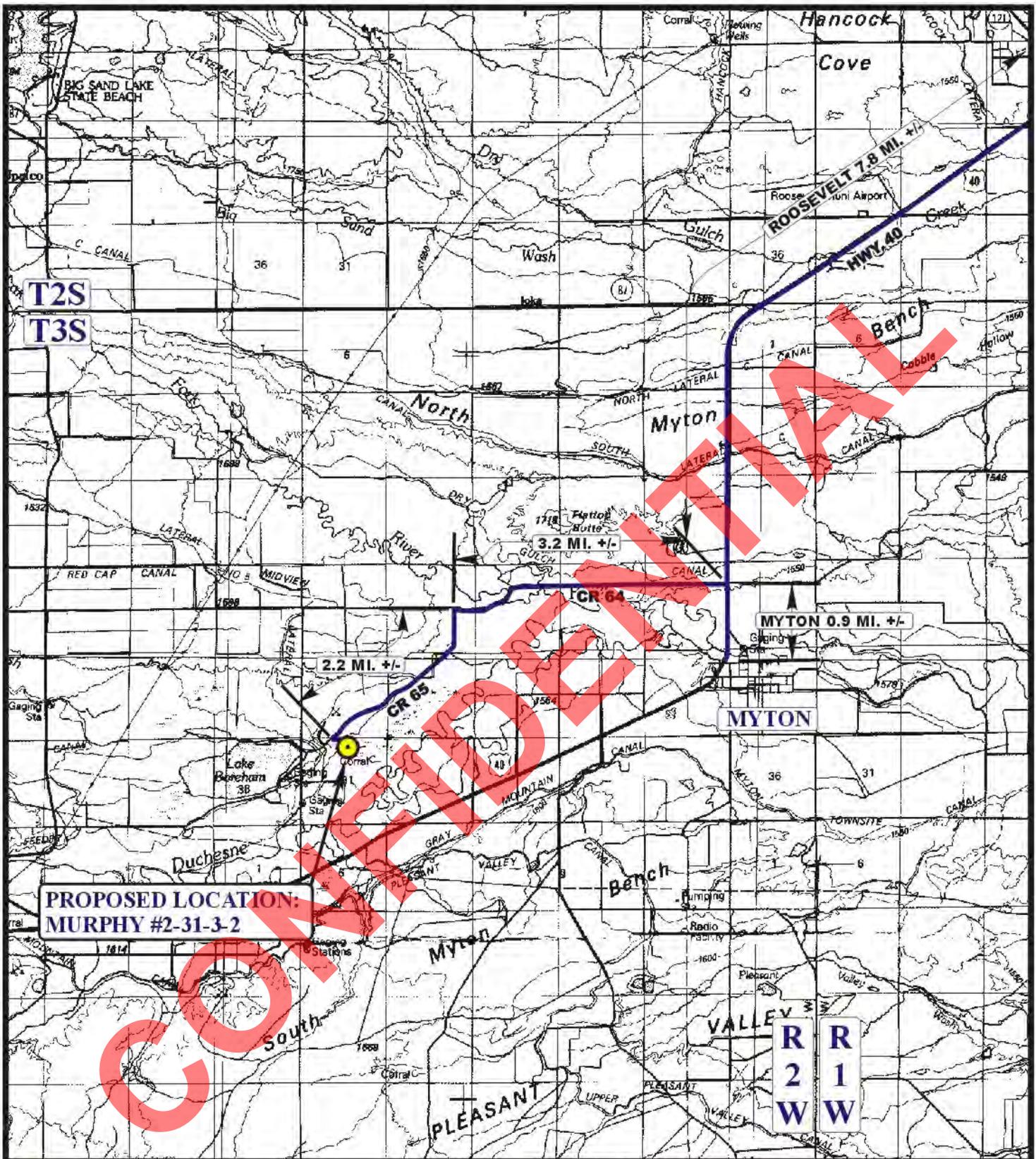
(NAD 83)  
LATITUDE = 40°11'03.58" (40.184328)  
LONGITUDE = 110°09'05.66" (110.151572)  
(NAD 27)  
LATITUDE = 40°11'03.73" (40.184369)  
LONGITUDE = 110°09'03.11" (110.150864)

NEWFIELD EXPLORATION COMPANY  
MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.

PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION FROM ROOSEVELT, UTAH ALONG HIGHWAY 40 APPROXIMATELY 7.8 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD 64 TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD 65 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1,194' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 13.4 MILES.

CONFIDENTIAL



**PROPOSED LOCATION:  
MURPHY #2-31-3-2**

**LEGEND:**

PROPOSED LOCATION



**NEWFIELD EXPLORATION COMPANY**

**MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL**



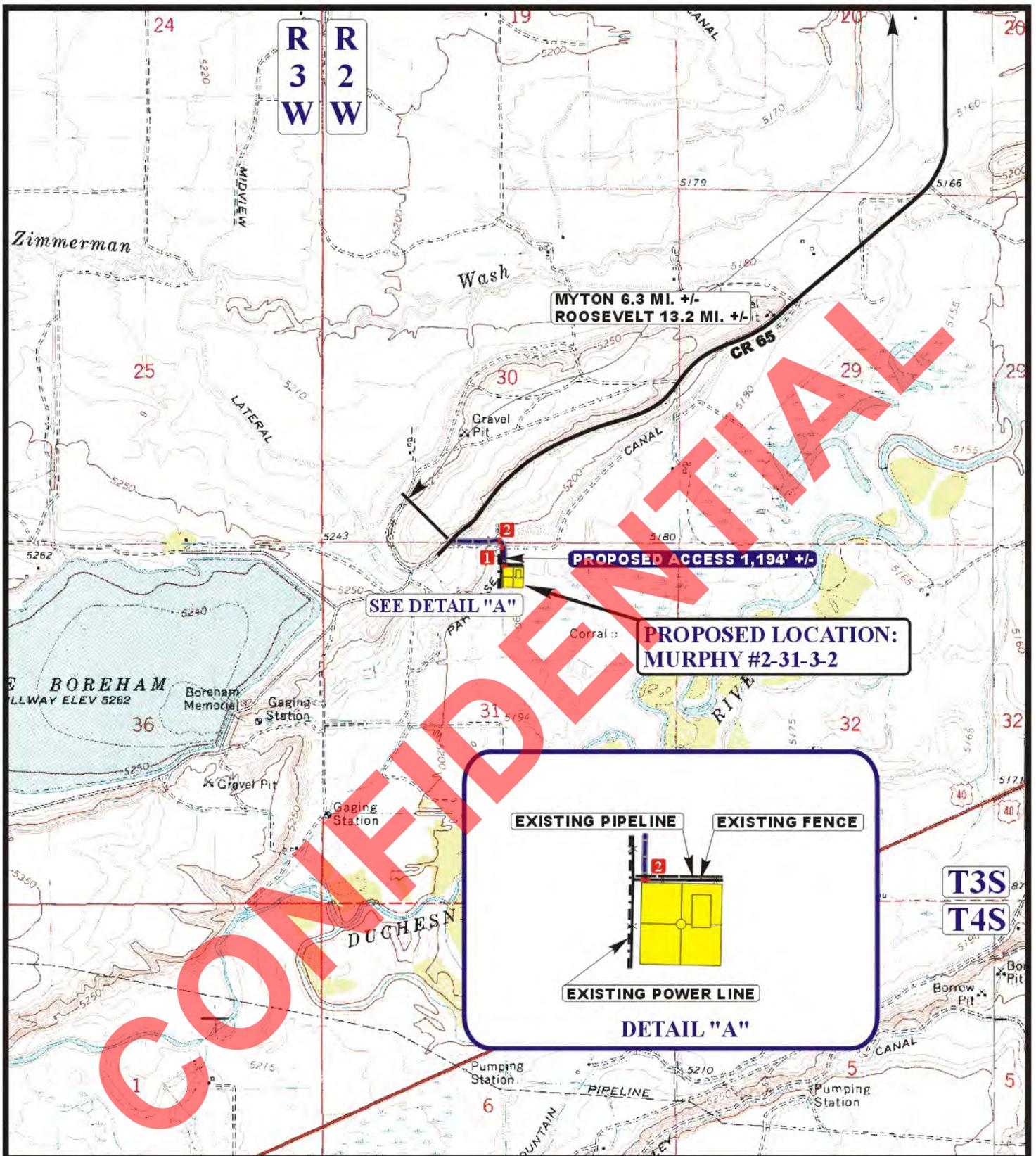
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP**

**01 14 11**  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 06-02-11

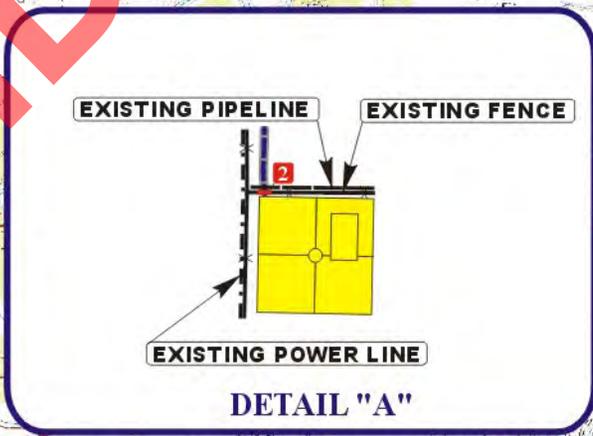




MYTON 6.3 MI. +/-  
ROOSEVELT 13.2 MI. +/-

PROPOSED ACCESS 1,194' +/-

PROPOSED LOCATION:  
MURPHY #2-31-3-2



**LEGEND:**

— EXISTING ROAD

- - - PROPOSED ACCESS ROAD

- \* - \* - EXISTING FENCE

1 EXISTING 48" CMP NEEDS UPGRADED 2 INSTALL CATTLE GUARD

**NEWFIELD EXPLORATION COMPANY**

MURPHY #2-31-3-2

SECTION 31, T3S, R2W, U.S.B.&M.

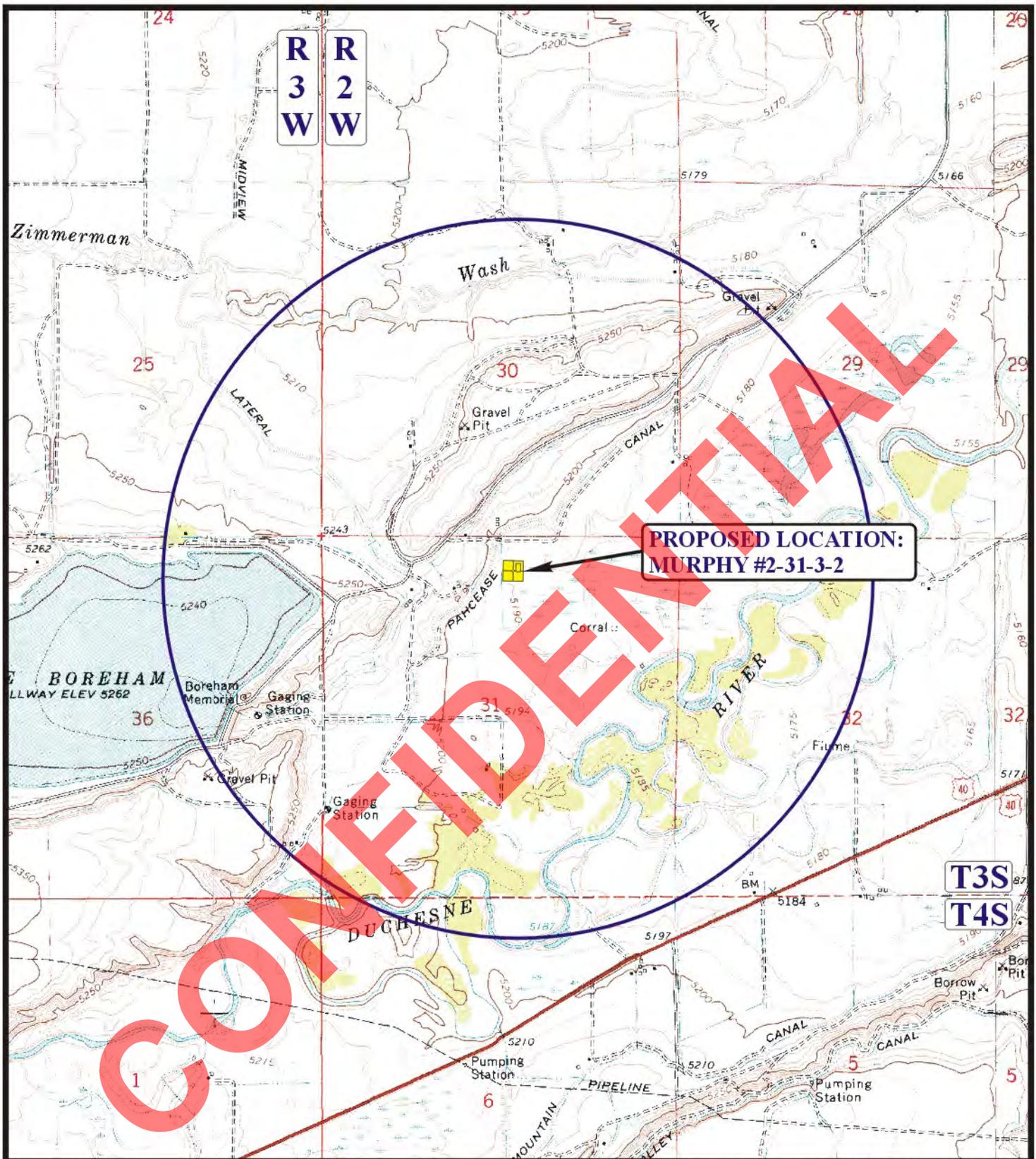
502' FNL 2460' FEL

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

**TOPOGRAPHIC MAP** 01 14 11  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 06-02-11

**B TOPO**



**PROPOSED LOCATION:  
MURPHY #2-31-3-2**

CONFIDENTIAL

**LEGEND:**

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



**NEWFIELD EXPLORATION COMPANY**

**MURPHY #2-31-3-2**  
**SECTION 31, T3S, R2W, U.S.B.&M.**  
**502' FNL 2460' FEL**



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

<b>TOPOGRAPHIC</b>	<b>01</b>	<b>14</b>	<b>11</b>	<b>C</b> <b>TOPO</b>
<b>MAP</b>	MONTH	DAY	YEAR	
SCALE: 1" = 2000'		DRAWN BY: Z.L.		REVISED: 06-02-11

MEMORANDUM OF SURFACE DAMAGE RELEASE

State of Utah )(
County of Duchesne )(

For Ten Dollars (\$10.00) and other adequate consideration, Douglas B. Murphy and Beth Murphy, whose address is 4560 Dry Fork Canyon Rd., Vernal, Utah 84078-9409, hereafter referred to as "Surface Owner" has granted, a Surface Damage Release, to Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077, hereafter referred to as "Harvest", dated this 31 day of Jan, 2010, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from Murphy 2-31-3-2 Well on the following lands (the "Lands") in Duchesne County Utah: Township 3 South-Range 2 West, USM, Section 31: Part of the NW/4NE/4 Duchesne County, see attached Plat for well location:

The Surface Damage Release is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Damage Release.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 31 day of January, 2011.

SURFACE OWNER:

Douglas B. Murphy (signature)
Douglas B. Murphy

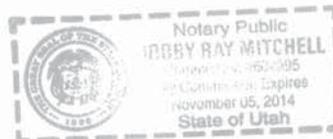
Beth Murphy (signature)
Beth Murphy

ACKNOWLEDGEMENT

STATE OF UTAH }
} :SS
COUNTY OF DUCHESNE }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 31 day of January, 2011, personally appeared Douglas B. Murphy and Beth Murphy, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Notary Public (signature)
Notary Public



**ROAD RIGHT-OF-WAY AGREEMENT**

STATE OF UTAH }  
 } :SS  
COUNTY OF DUCHESNE }

FOR AND IN CONSIDERATION OF TEN & 00/100ths DOLLARS (\$10.00) and other good and valuable consideration, in hand paid to **Douglas B. Murphy and Beth Murphy, whose address is 4560 Dry Fork Canyon Road, Vernal, UT 84078-9409,**

("GRANTOR"), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077,** its successors or assigns, a right-of-way to construct, maintain and use a road for the purpose of drilling, operating and maintaining a well or wells for the production of the oil and/or gas, and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said road and lands for any purpose necessary or incidental to the drilling, operating and maintaining a well or wells owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in Duchesne County, State of Utah, to-wit:

**Township 3 South-Range 2 West, USM, Section 31: Part of the NW/4NE/4, Duchesne County, see attached Plat(s) for the described right-of-way location:**

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantor shall not place anything over or so close to any road, or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of the road. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the roads, and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty-Six (66') feet in width for construction and for the permanent easement. Disturbed ground not in the permanent road easement to be reseeded at recommended seeding rates per Surface Owner once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Harvest (US) Holdings, Inc.,** its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee, at which time Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 31 day of January, 2011:

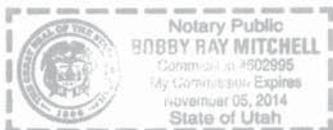
Douglas B. Murphy  
**Douglas B. Murphy**

Beth Murphy  
**Beth Murphy**

**ACKNOWLEDGEMENT**

STATE OF UTAH }  
 } :SS  
COUNTY OF DUCHENSE }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 31 day of January, 2011, personally appeared **Douglas B. Murphy and Beth Murphy**, before me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.



Bobby Ray Mitchell Notary Public

HARVEST (US) HOLDINGS, INC.

**LOCATION SURFACE USE AREA,  
ROAD & UTILITY RIGHT-OF-WAY  
ON FEE LANDS**

(For MURPHY #2-31-3-2)

LOCATED IN  
SECTIONS 30 & 31, T3S, R2W, U.S.B.&M.,  
DUCHESE COUNTY, UTAH

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 31, T3S, R2W, U.S.B.&M. WHICH BEARS S72°24'20"E 1462.97' FROM THE NORTHWEST CORNER OF THE NE 1/4 NW 1/4 OF SAID SECTION 31, THENCE S89°47'03"E 288.49'; THENCE S00°12'57"W 350.00'; THENCE S89°47'03"W 350.00'; THENCE N00°12'57"E 350.00'; THENCE S89°47'03"E 61.51' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.812 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS N88°44'33"E 512.25' FROM THE SOUTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SECTION 30, T3S, R2W, U.S.B.&M.

P.O.S.L. STA. 8+19.22 BEARS S89°31'48"E 1305.97' FROM THE SOUTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SECTION 30, T3S, R2W, U.S.B.&M.

END OF ROAD STA. 12+87.48 BEARS S72°24'20"E 1462.97' FROM THE NORTHWEST CORNER OF THE NE 1/4 NW 1/4 SECTION 31, T3S, R2W, U.S.B.&M.

**ROAD & UTILITY CORRIDOR  
RIGHT-OF-WAY DESCRIPTION**

A 66' WIDE RIGHT-OF-WAY 33' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 30, T3S, R2W, U.S.B.&M. WHICH BEARS N86°44'33"E 512.25' FROM THE SOUTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SAID SECTION 30, THENCE S78°41'11"E 43.44'; THENCE N88°40'48"E 115.06'; THENCE S89°47'03"E 230.38'; THENCE N88°40'46"E 115.06'; THENCE N73°51'21"E 164.51'; THENCE S68°32'36"E 95.91'; THENCE N73°51'21"E 119.61'; THENCE S68°32'36"E 95.91'; THENCE S61°44'53"E 119.61'; THENCE S66°26'13"E 12.92' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SW 1/4 OF SAID SECTION 30 WHICH BEARS S89°31'48"E 1305.97' FROM THE NORTHWEST CORNER OF THE SE 1/4 SW 1/4 OF SAID SECTION 30, THENCE S66°26'13"E 24.43'; THENCE S56°17'03"E 19.28'; THENCE S35°17'57"E 32.35'; THENCE S01°26'17"W 288.64'; THENCE S28°10'11"E 103.55' TO A POINT IN THE NW 1/4 NE 1/4 OF SECTION 31, T3S, R2W, U.S.B.&M. WHICH BEARS S72°24'20"E 1462.97' FROM THE NORTHWEST CORNER OF THE NE 1/4 NW 1/4 OF SAID SECTION 31. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.920 ACRES MORE OR LESS.

Douglas B. & Beth Murphy

N89°31'48"W - 3949.89' (Meas.)

END OF PROPOSED ROAD & UTILITY CORRIDOR RIGHT-OF-WAY STA. 12+87.48 (At Edge of Surface Use Area)

SURFACE USE AREA MURPHY #2-31-3-2 Contains 2.812 Acres

Douglas B. & Beth Murphy

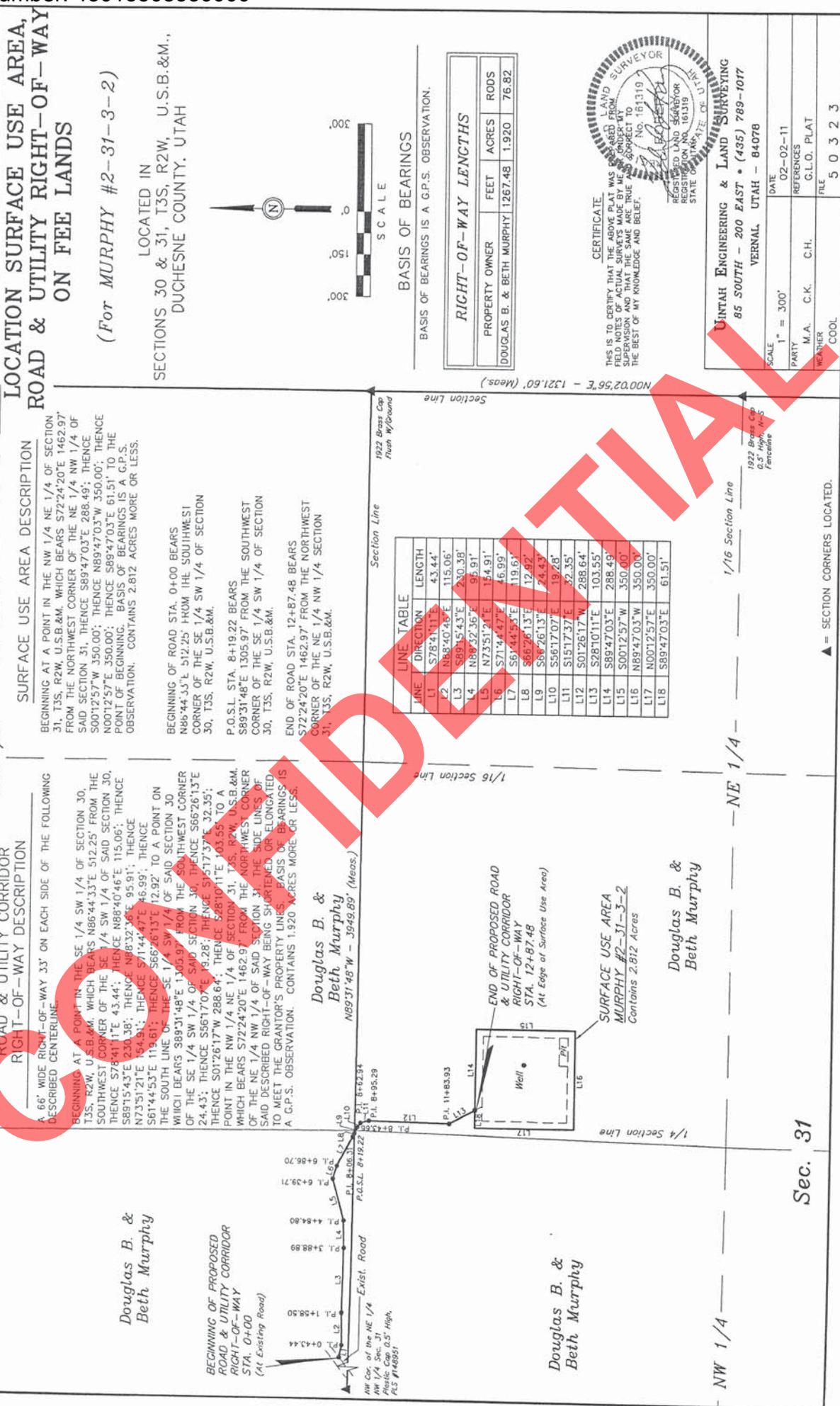
Sec. 30

SW 1/4

SE 1/4

1922 Brass Cap  
0.5" High, N-S  
Fermite

1922 Brass Cap  
0.5" High, N-S  
Fermite



**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	S78°41'11"E	43.44'
L2	N88°40'48"E	115.06'
L3	S89°47'03"E	230.38'
L4	N88°40'46"E	95.91'
L5	N73°51'21"E	154.91'
L6	S71°44'47"E	46.99'
L7	S68°32'36"E	119.61'
L8	S66°26'13"E	12.92'
L9	S68°32'36"E	24.43'
L10	S56°17'07"E	19.28'
L11	S15°17'37"E	32.35'
L12	S01°26'17"W	288.64'
L13	S28°10'11"E	103.55'
L14	S89°47'03"E	288.49'
L15	S00°12'57"W	350.00'
L16	N89°47'03"W	350.00'
L17	N00°12'57"E	350.00'
L18	S89°47'03"E	61.51'

**RIGHT-OF-WAY LENGTHS**

PROPERTY OWNER	FEET	ACRES	RODS
DOUGLAS B. & BETH MURPHY	1267.48	1.920	76.82

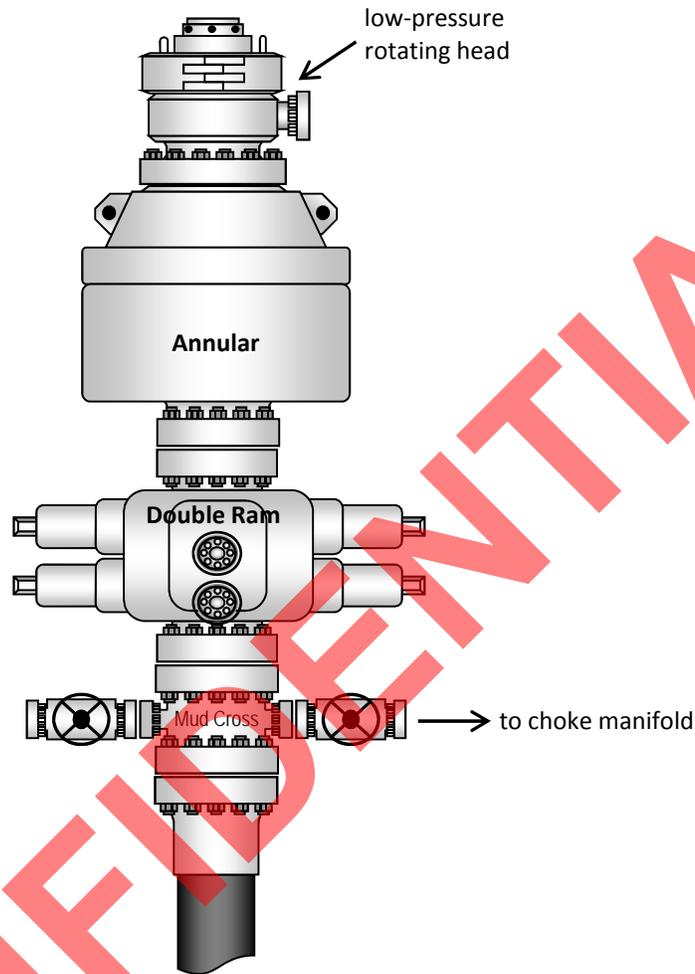


CERTIFICATE  
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER THE SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

SCALE	1" = 300'	DATE	02-02-11
PARTY	M.A. C.K. C.H.	REFERENCES	G.L.O. PLAT
WEATHER	COOL	FILE	5 0 3 2 3

Typical 5M BOP stack configuration





June 9, 2011

State of Utah, Division of Oil, Gas & Mining  
Attn: Diana Mason  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Exception Location  
**Murphy 2-31-3-2**  
T3S-R2W Section 31: NWNE  
502' FNL 2460' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 280' West of the drilling window tolerance for the NWNE of Sec. 31-T3S-R2W. The proposed location has been selected at the request of the surface owner.

Please note that Newfield Production Company is the owner of 100% of the leasehold interest in all lands within 460' of the proposed location.

Should you have any questions or concerns regarding the above, please feel encouraged to contact me via email at [sgillespie@newfield.com](mailto:sgillespie@newfield.com) or by phone at (303)383-4197. Your consideration in this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink, appearing to read "Shane Gillespie", is written over a large, semi-transparent red watermark that says "NEWFIELD".

Shane Gillespie  
Landman  
Newfield Production Company

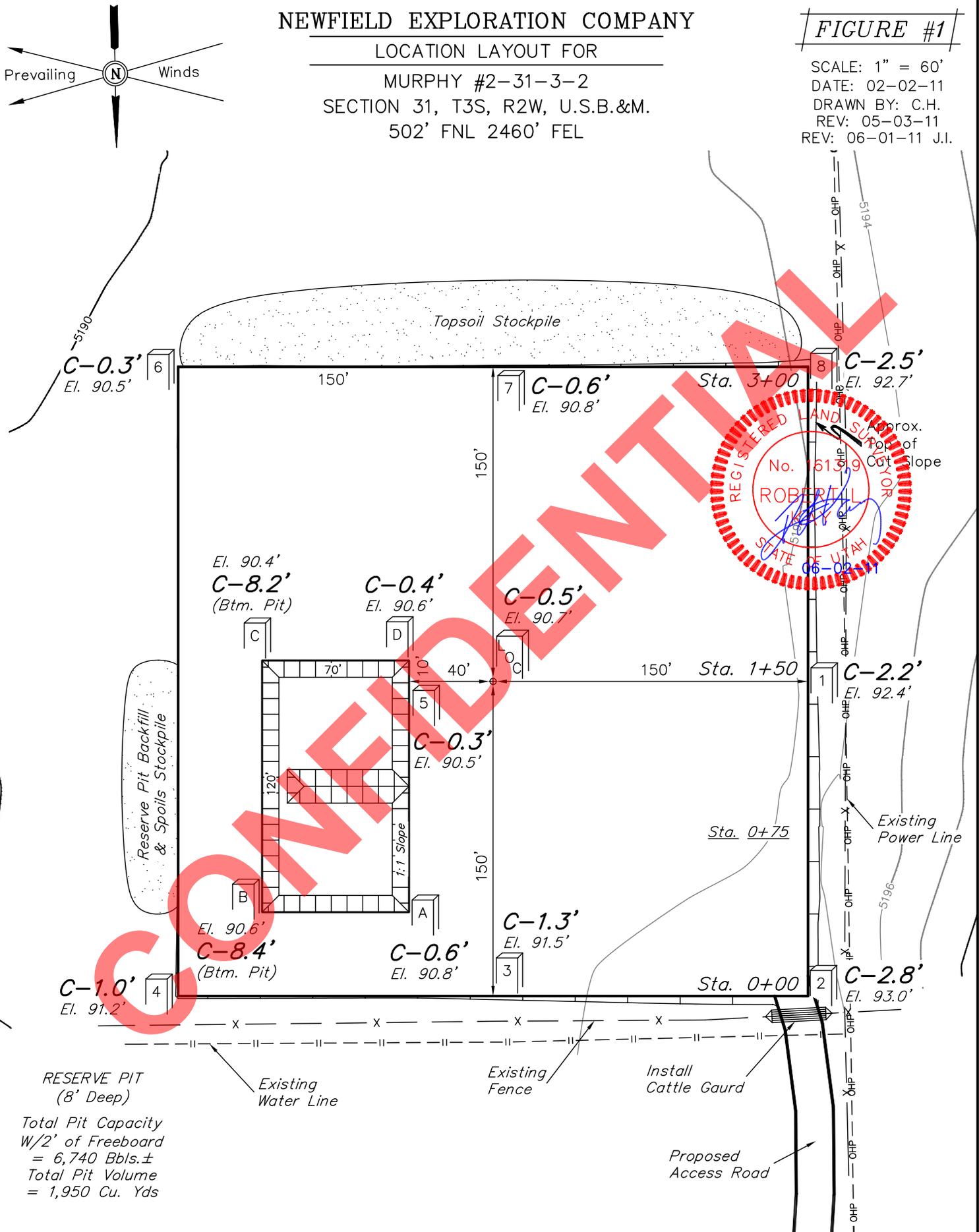
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT FOR

MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL

FIGURE #1

SCALE: 1" = 60'  
DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



Elev. Ungraded Ground At Loc. Stake = 5190.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5190.2'

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

NEWFIELD EXPLORATION COMPANY

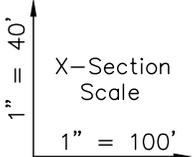
FIGURE #2

TYPICAL CROSS SECTIONS FOR

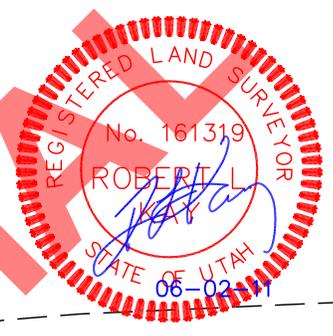
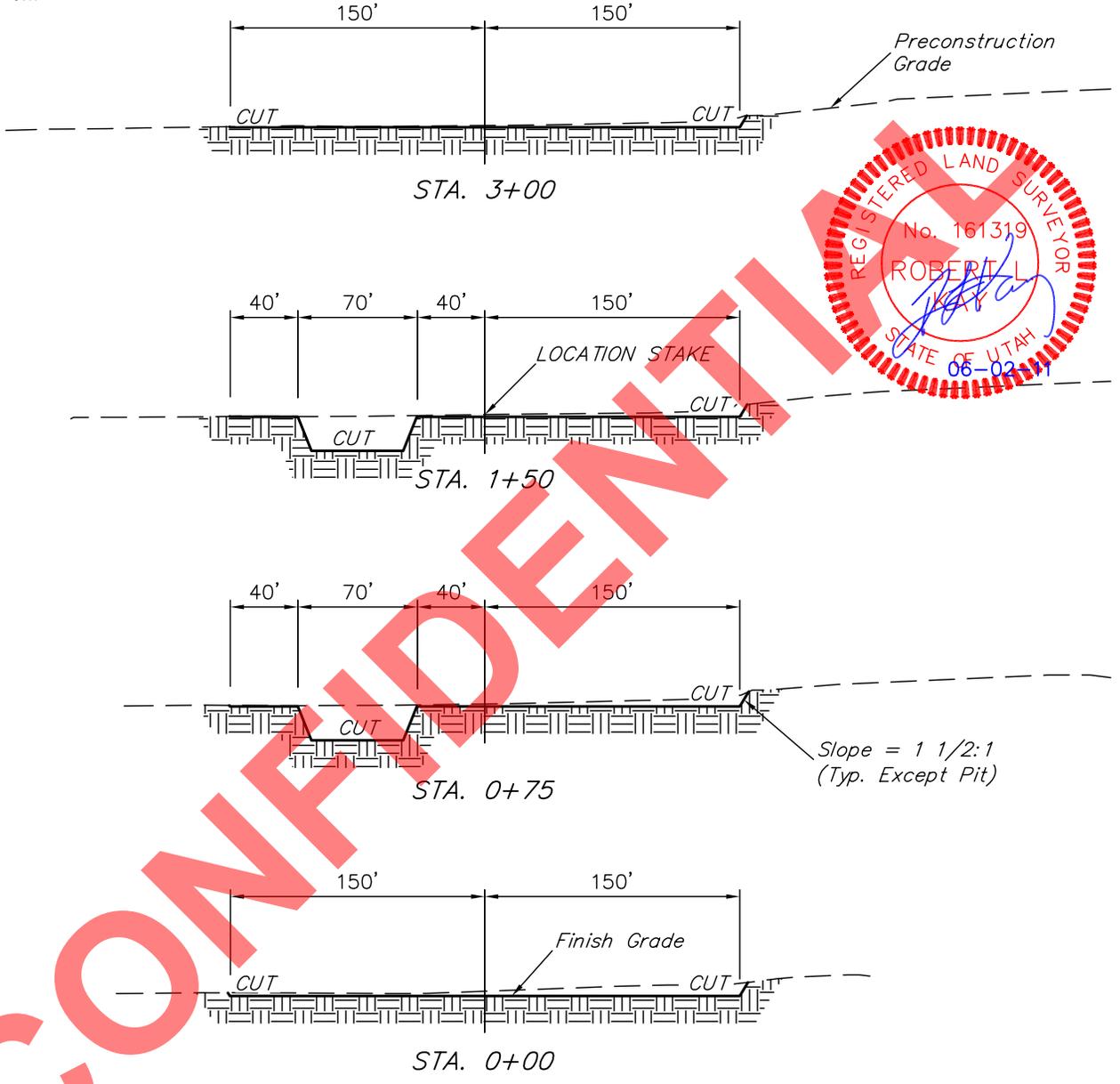
MURPHY #2-31-3-2

SECTION 31, T3S, R2W, U.S.B.&M.

502' FNL 2460' FEL



DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



CONFIDENTIAL

NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 2.812 ACRES
ACCESS ROAD DISTURBANCE	= ± 1.838 ACRES
<b>TOTAL</b>	<b>= ± 4.650 ACRES</b>

\* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 3,460 Cu. Yds.
Remaining Location	= 2,210 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,670 CU.YDS.</b>
<b>FILL</b>	<b>= 1,230 CU.YDS.</b>

EXCESS MATERIAL	= 4,440 Cu. Yds.
Topsoil & Pit (1/2 Pit Vol.)	= 4,440 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

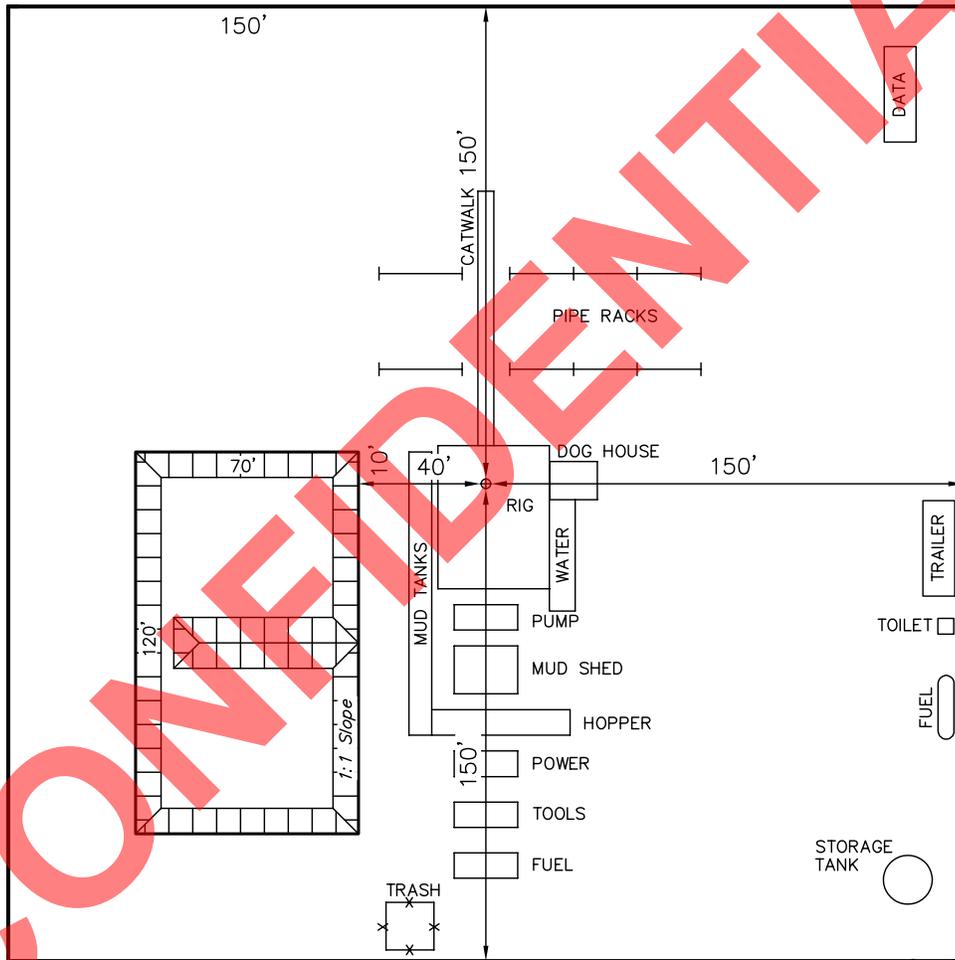
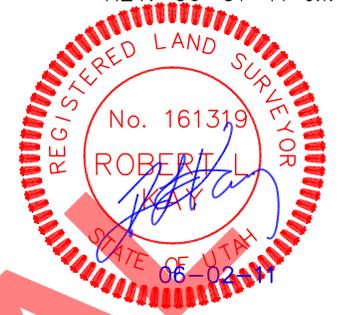
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT FOR

MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL

FIGURE #3

SCALE: 1" = 60'  
DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



RESERVE PIT  
(8' Deep)

Total Pit Capacity  
W/2' of Freeboard  
= 6,740 Bbls.±  
Total Pit Volume  
= 1,950 Cu. Yds

Proposed  
Access Road



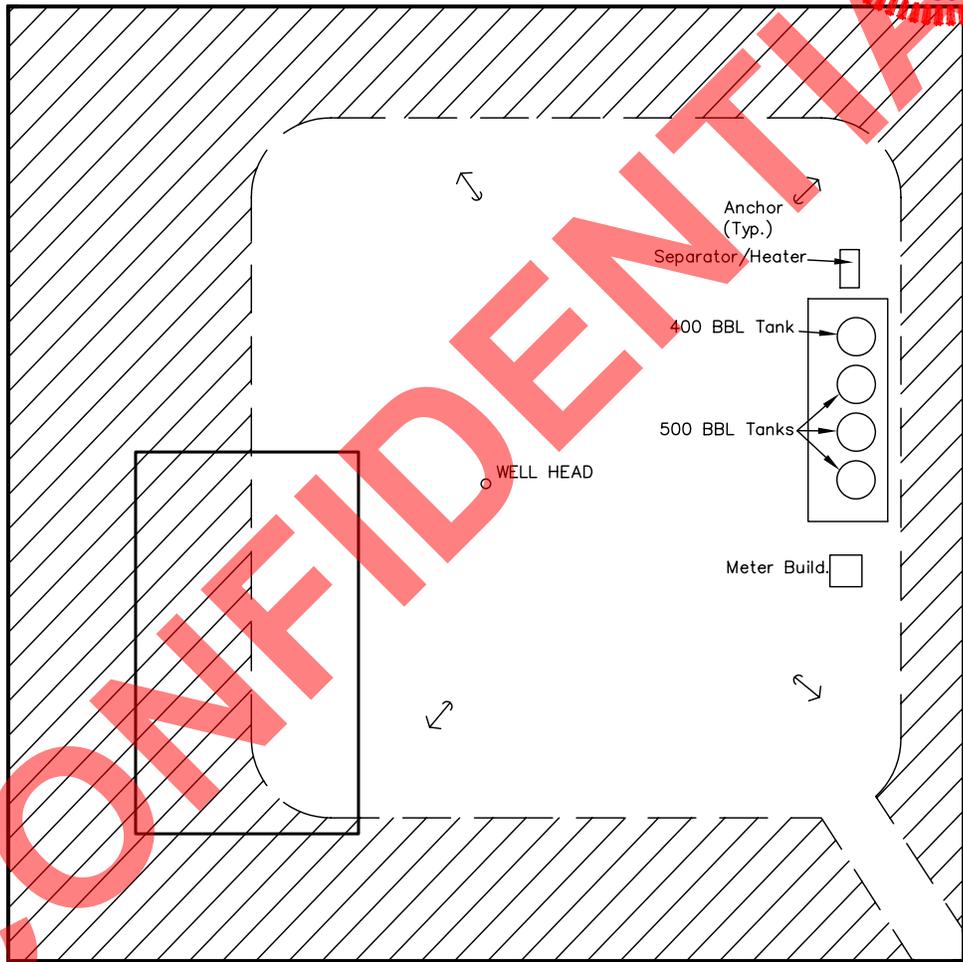
NEWFIELD EXPLORATION COMPANY

PRODUCTION FACILITY LAYOUT FOR

MURPHY #2-31-3-2  
SECTION 31, T3S, R2W, U.S.B.&M.  
502' FNL 2460' FEL

FIGURE #4

SCALE: 1" = 60'  
DATE: 02-02-11  
DRAWN BY: C.H.  
REV: 05-03-11  
REV: 06-01-11 J.I.



APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 1.041 ACRES

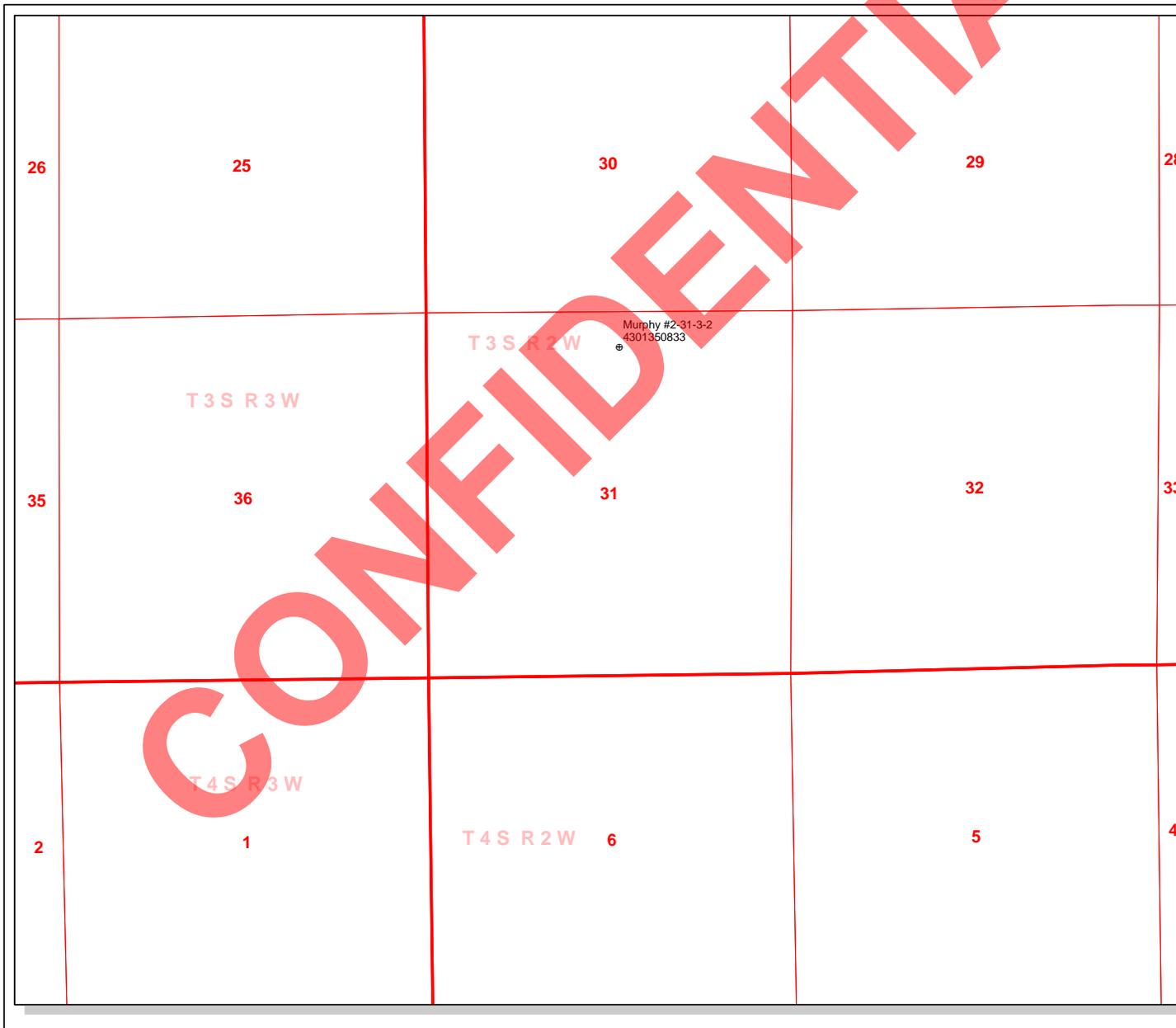
Proposed Access Road

 RECLAIMED AREA

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

RECEIVED: Jul. 07, 2011

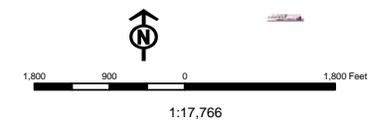
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**API Number: 4301350833**  
**Well Name: Murphy #2-31-3-2**  
 Township T0.3 . Range R0.2 . Section 31  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- | Units         | Wells Query                        |
|---------------|------------------------------------|
| <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  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | DPS - Operation Suspended          |
| PP GEOTHERMAL | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
| <b>Fields</b> | SGW - Shut-in Gas Well             |
| <b>STATUS</b> | 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    |                                    |
| Sections      |                                    |
| Township      |                                    |



Well Name	NEWFIELD PRODUCTION COMPANY Murphy #2-31-3-2 4301			
String	Cond	Surf	Prod	
Casing Size(")	13.375	9.625	5.500	
Setting Depth (TVD)	60	2500	9700	
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	12630	
Operators Max Anticipated Pressure (psi)	4792		9.5	

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO <input type="checkbox"/> air drill <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO <input type="checkbox"/> OK <input type="checkbox"/>
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	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	779	NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	529	NO <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	542	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

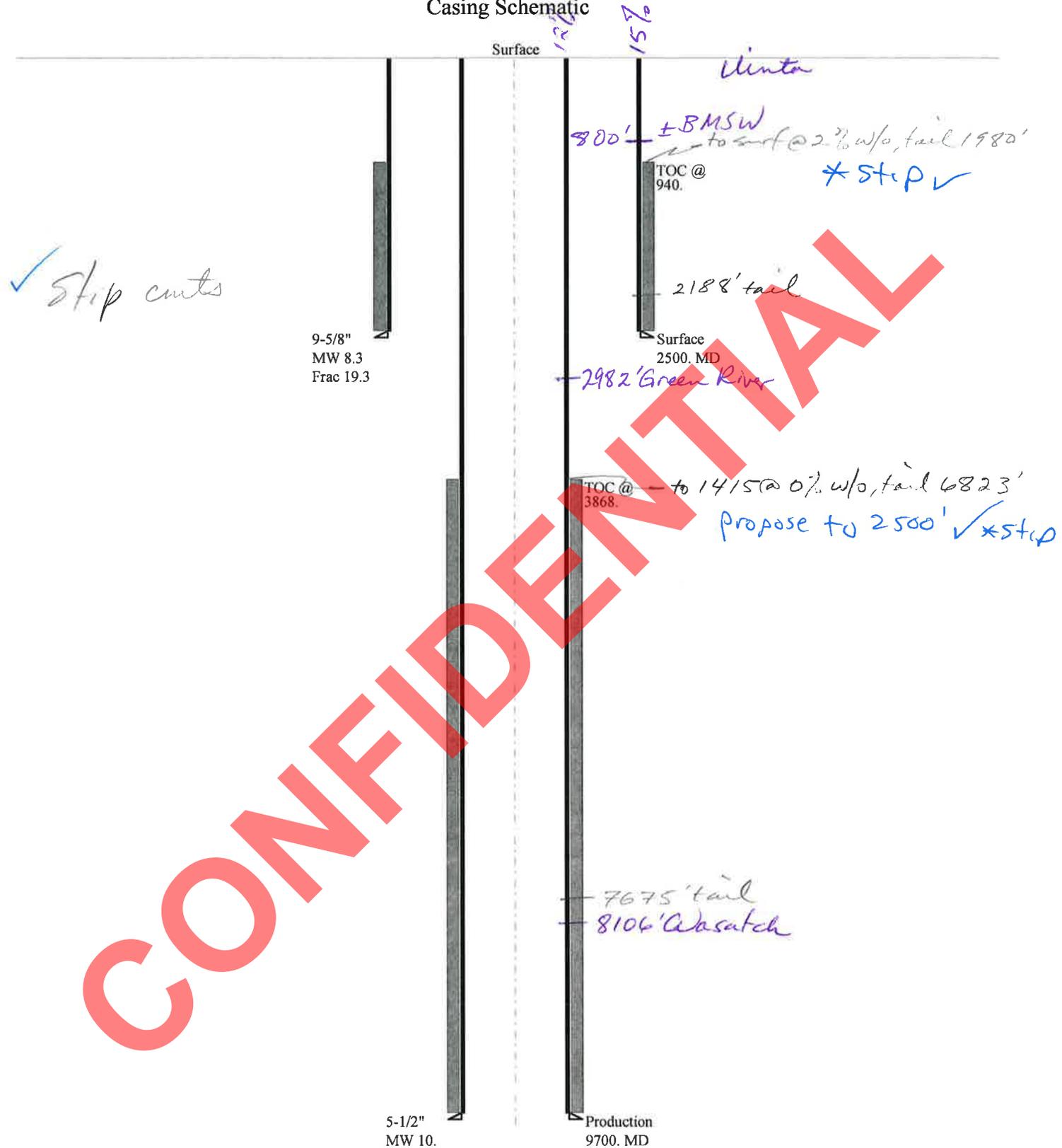
Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5044	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3880	YES <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2910	YES <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3460	NO <input type="checkbox"/> Reasonable <input type="checkbox"/>
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=		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi

**CONFIDENTIAL**

# 43013508330000 Murphy #2-31-3-2

## Casing Schematic



Well name:	<b>43013508330000 Murphy #2-31-3-2</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Surface	Project ID: 43-013-50833
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 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: 9,700 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 5,039 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: July 7, 2011  
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:	<b>43013508330000 Murphy #2-31-3-2</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Production	Project ID:	43-013-50833
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: 210 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: 3,868 ft

**Burst**

Max anticipated surface pressure: 2,905 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 5,039 psi  
 No backup mud specified.

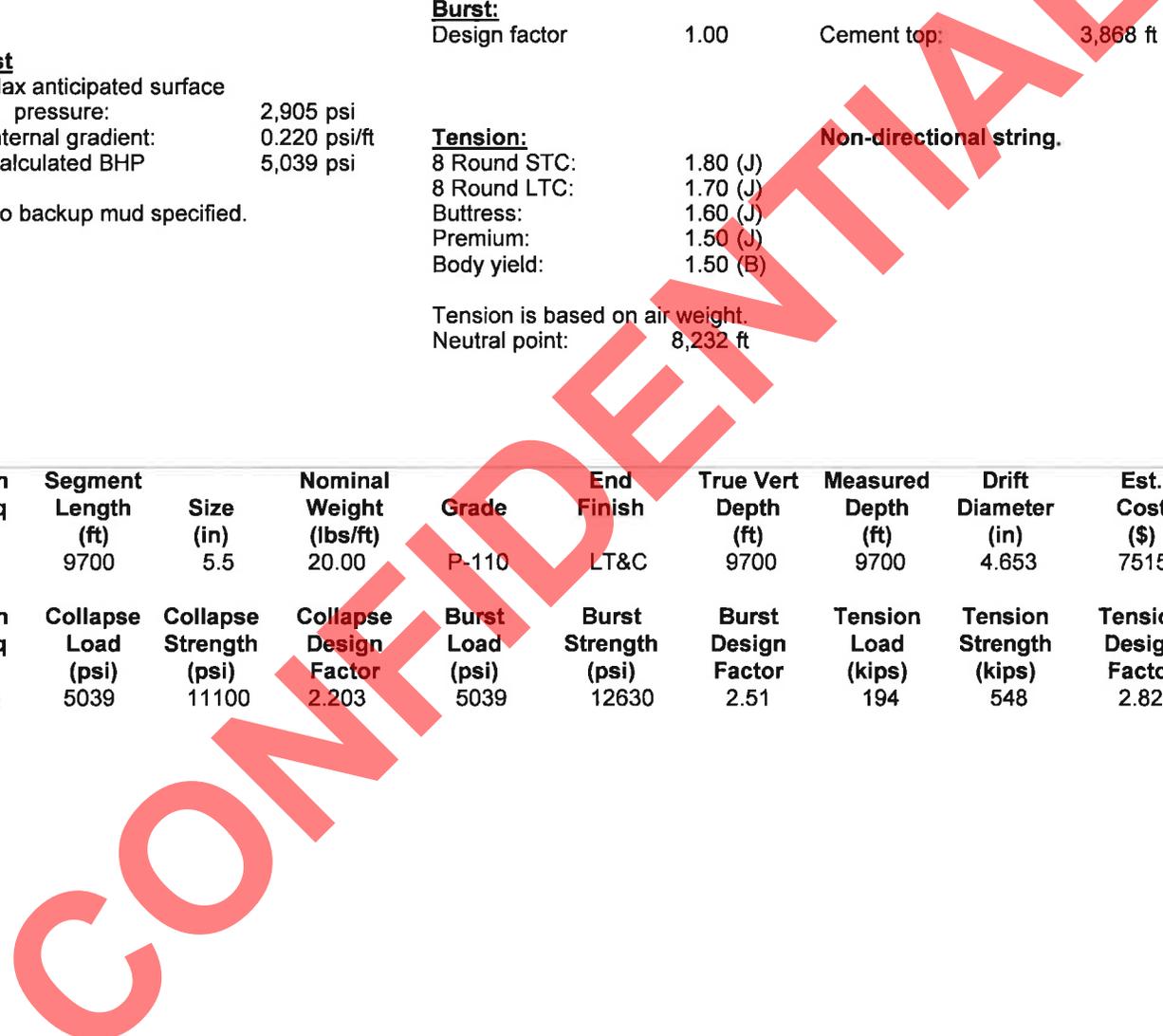
**Tension:**

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)

Non-directional string.

Tension is based on air weight.  
 Neutral point: 8,232 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9700	5.5	20.00	P-110	LT&C	9700	9700	4.653	75159
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	5039	11100	2.203	5039	12630	2.51	194	548	2.82 J



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

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

Date: July 7, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9700 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** Murphy #2-31-3-2  
**API Number** 43013508330000      **APD No** 3984      **Field/Unit** WILDCAT  
**Location: 1/4,1/4** NWNE      **Sec** 31      **Tw** 3.0S      **Rng** 2.0W      502 FNL 2460 FEL  
**GPS Coord (UTM)** 572291 4448358      **Surface Owner** Douglas B. & Beth Murphy

### Participants

Floyd Bartlett (DOGM), Tim Eaton, Jeff Henderson (Newfield Exploration Company).

### Regional/Local Setting & Topography

The general area is approximately 13.4 road miles southwest of Roosevelt and 5 ½ air miles west of Myton, Duchesne County, UT. The site is within bottomlands formed by the Duchesne and Lake Fork Rivers, which join approximately 2 ½ miles east to the location. Topography is broad bottomlands bordered by gentle sloping side-hills. Much of the bottomlands are used for agriculture. Access is by State, County and a planned oil field development road. Approximately 1194 feet of betterment and new construction extending east from the Duchesne County Road 65 across Murphy's private land will be required to reach the location.

The proposed Murphy #2-31-3-2 oil well location and minerals are owned by Douglas and Beth Murphy. It is outside the normal drilling window at the request of Mr. Murphy to reduce the impact on his irrigation system. A surface use agreement exists. It is located in the northwest corner of a wheel-line sprinkler irrigated alfalfa field. It was discussed that it may be possible to reduce the pad 40 feet in width behind the reserve pit. This would reduce the amount of disturbance and re-seeding needed. Also the reserve pit spoils and pad topsoil pile should be relocated so as not to extend beyond the pad and into the irrigated field. Several ditches or canals are in the general area. The selected site appears to be a good location for constructing a pad, drilling and operating a well. Some surface hardening may be needed.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Agricultural

#### **New Road Miles**

0.01

#### **Well Pad**

**Width** 300      **Length** 300

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

#### **Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Vegetation on the area is mostly alfalfa. Some Russian knapweed dandelions and cheat grass occurs

Cattle, antelope, deer, prairie dogs, small mammals and birds.

#### **Soil Type and Characteristics**

Deep sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>		20	
<b>Distance to Surface Water (feet)</b>		20	
<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>	55	1 Sensitivity Level

**Characteristics / Requirements**

A reserve pit 120' x 70' x 8' deep will be dug in the southeast corner of the site. A 16 mill liner with felt subliner will be used.

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

**Other Observations / Comments**

Floyd Bartlett  
Evaluator

6/14/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

7/7/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
3984	43013508330000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Douglas B. & Beth Murphy	
<b>Well Name</b>	Murphy #2-31-3-2		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWNE 31 3S 2W U 502 FNL 2460 FEL		GPS Coord (UTM)	572285E	4448361N

## Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The surface hole will be drilled with air and fresh water mud. The base of the moderately saline water at this location is estimated to be at a depth of 800'. A search of Division of Water Rights records shows 9 water wells within a 10,000 foot radius of the center of Section 31. Two wells are located within 1/2 mile of the proposed location with depths of 51 and 300 feet. All wells are privately owned. Depth is listed as ranging from 42 to 300 feet. Depth is not listed for 4 wells. Average depth for wells listed is 50 feet. Water use is listed as irrigation, stock watering, fish culture, commercial and domestic use. 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 surface casing should adequately protect useable ground water in this area.

Brad Hill  
APD Evaluator

6/23/2011  
Date / Time

## Surface Statement of Basis

The general area is approximately 13.4 road miles southwest of Roosevelt and 5 1/2 air miles west of Myton, Duchesne County, UT. The site is within bottomlands formed by the Duchesne and Lake Fork Rivers, which join approximately 2 1/2 miles east to the location. Topography is broad bottomlands bordered by gentle sloping side-hills. Much of the bottomlands are used for agriculture. Access is by State, County and a planned oil field development road. Approximately 1194 feet of betterment and new construction extending east from the Duchesne County Road 65 across Murphy's private land will be required to reach the location.

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Mr. Douglas Murphy was invited to the preside visit. He indicated he would attend but was contacted by phone saying he would not attend. It appears his concerns are being met by Newfield.

Floyd Bartlett  
Onsite Evaluator

6/14/2011  
Date / Time

## Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner as needed shall be properly installed and maintained in the reserve pit.

**RECEIVED: Jul. 07, 2011**

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

7/7/2011

**Utah Division of Oil, Gas and Mining**

Page 2

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Surface  
Surface

The well site shall be bermed to prevent fluids from leaving the pad.  
The reserve pit shall be fenced upon completion of drilling operations.

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## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 6/11/2011

**API NO. ASSIGNED:** 43013508330000

**WELL NAME:** Murphy #2-31-3-2

**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)

**PHONE NUMBER:** 435 719-2018

**CONTACT:** Don Hamilton

**PROPOSED LOCATION:** NWNE 31 030S 020W

**Permit Tech Review:**

**SURFACE:** 0502 FNL 2460 FEL

**Engineering Review:**

**BOTTOM:** 0502 FNL 2460 FEL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.18442

**LONGITUDE:** -110.15091

**UTM SURF EASTINGS:** 572285.00

**NORTHINGS:** 4448361.00

**FIELD NAME:** WILDCAT

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** Patented

**PROPOSED PRODUCING FORMATION(S):** WASATCH

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
  - Bond: STATE/FEE - B 001834
  - Potash
  - Oil Shale 190-5
  - Oil Shale 190-3
  - Oil Shale 190-13
  - Water Permit: 437478
  - RDCC Review: 2011-07-07 00:00:00.0
  - Fee Surface Agreement
  - Intent to Commingle
- Commingling Approved**

**LOCATION AND SITING:**

- R649-2-3.
- Unit:**
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No:** R649-3-3
- Effective Date:**
- Siting:**
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:**

- 1 - Exception Location - dmason
- 5 - Statement of Basis - bhill
- 12 - Cement Volume (3) - hmacdonald
- 21 - RDCC - dmason
- 23 - Spacing - dmason
- 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:** Murphy #2-31-3-2  
**API Well Number:** 43013508330000  
**Lease Number:** Patented  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 7/7/2011

**Issued to:**

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

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. 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

**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:**

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

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2300' MD to rise 200' within casing shoe.

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:**

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

For John Rogers  
Associate Director, Oil & Gas

**CONFIDENTIAL**

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# 31 Submitted By Britt Stubbs Phone Number 435-823-0096  
Well Name/Number Murphy 2-31-3-2  
Qtr/Qtr NW/NE Section 31 Township 3S Range 2W  
Lease Serial Number Patented  
API Number 43-013-50833

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

Date/Time 7/21/11 11:00 AM  PM

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

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

Date/Time 7/21/11 5:00 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 \_\_\_\_\_

---

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	4301350653	GMBU V-32-8-16	SESE	32	8S	16E	DUCHESNE	7/21/2011	7/28/11
WELL 1 COMMENTS: <i>GRRV</i> <i>BHL=SESE</i>											
A	99999	18148	4301350786	PADILLA #1-18-3-2	NENE	18	3S	2W	DUCHESNE	7/16/2011	7/28/11
<i>WSTC</i> <b>CONFIDENTIAL</b>											
A	99999	18149	4301350833	MURPHY #2-31-3-2	NWNE	31	3S	2W	DUCHESNE	7/21/2011	7/28/11
<i>WSTC</i> <b>CONFIDENTIAL</b>											
A	99999	18150	4304751311	UTE TRIBAL 1-9-4-1E	NENE	9	4S	1E	UINTAH	7/15/2011	7/28/11
<i>GRRV</i>											
B	99999	17400	4304751551	GMBU C-2-9-17	NWNE	2	9S	17E	UINTAH	7/14/2011	7/28/11
<i>GRRV</i> <i>BHL=NENW</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 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 - other (explain in comments section)

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

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 JUL 27 2011

DIV. OF OIL, GAS & MINING

Signature *[Signature]* Jentri Park  
 Production Clerk *[Signature]* 07/27/11

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer Rig 69  
Submitted By RL Tatman Phone Number 435-828-6092  
Well Name/Number Murphy #2-31-3-2  
Qtr/Qtr NW/NE Section 31 Township 3S Range 2W  
Lease Serial Number Fee  
API Number 43013508330000

Rig Move Notice – Move drilling rig to new location.

Date/Time 8-2-2011 0800 AM  PM

BOPE

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

Date/Time 8-4-11 18:00 AM  PM

Remarks Site Supervisor will update BOPE test info as needed via email to Dennis Ingram.

---

RECEIVED

AUG 01 2011

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer 69 Submitted  
By RL Tatman Phone Number 4358286092  
Well Name/Number Murphy #2-31-3-2  
Qtr/Qtr NW/NE Section 31 Township 3S Range 2W  
Lease Serial Number FEE  
API Number 43013508330000

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

Date/Time 8/14/2011      11:30 AM  PM

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

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

Date/Time 8/15/11      2200 AM  PM

RECEIVED

AUG 16 2011

DIV. OF OIL, GAS & MINING

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.

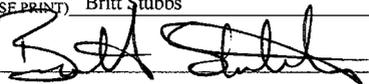
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: UINTA CB -WASATCH SHALLOW
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0502 FNL 2460 FRL		8. WELL NAME and NUMBER: MURPHY 2-31-3-2
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNE, 31, T3S, R2W		9. API NUMBER: 4301350833
		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"/> TEMPORARITLY 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: 07/27/2011	<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 7/25/11 MIRU Ross #30. Spud well @9:00 AM. Drill 57' of 18" hole with bucket rig. TIH W/ 2 Jt's 14" Conductor. Set @ 57'. On 7/25/11 cement with 120 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 0 barrels cement to pit. WOC.

NAME (PLEASE PRINT) <u>Britt Stubbs</u>	TITLE <u>Spud Rig Foreman</u>
SIGNATURE 	DATE <u>08/08/2011</u>

(This space for State use only)

RECEIVED  
AUG 16 2011  
DIV. OF OIL, GAS & MINING





<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Patented
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> MURPHY #2-31-3-2	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013508330000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0502 FNL 2460 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 31 Township: 03.0S Range: 02.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 10/6/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The above well was placed on production on 10/06/2011 at 13:00 hrs.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/7/2011	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MURPHY #2-31-3-2
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013508330000
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: 0502 FNL 2460 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 31 Township: 03.0S Range: 02.0W 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

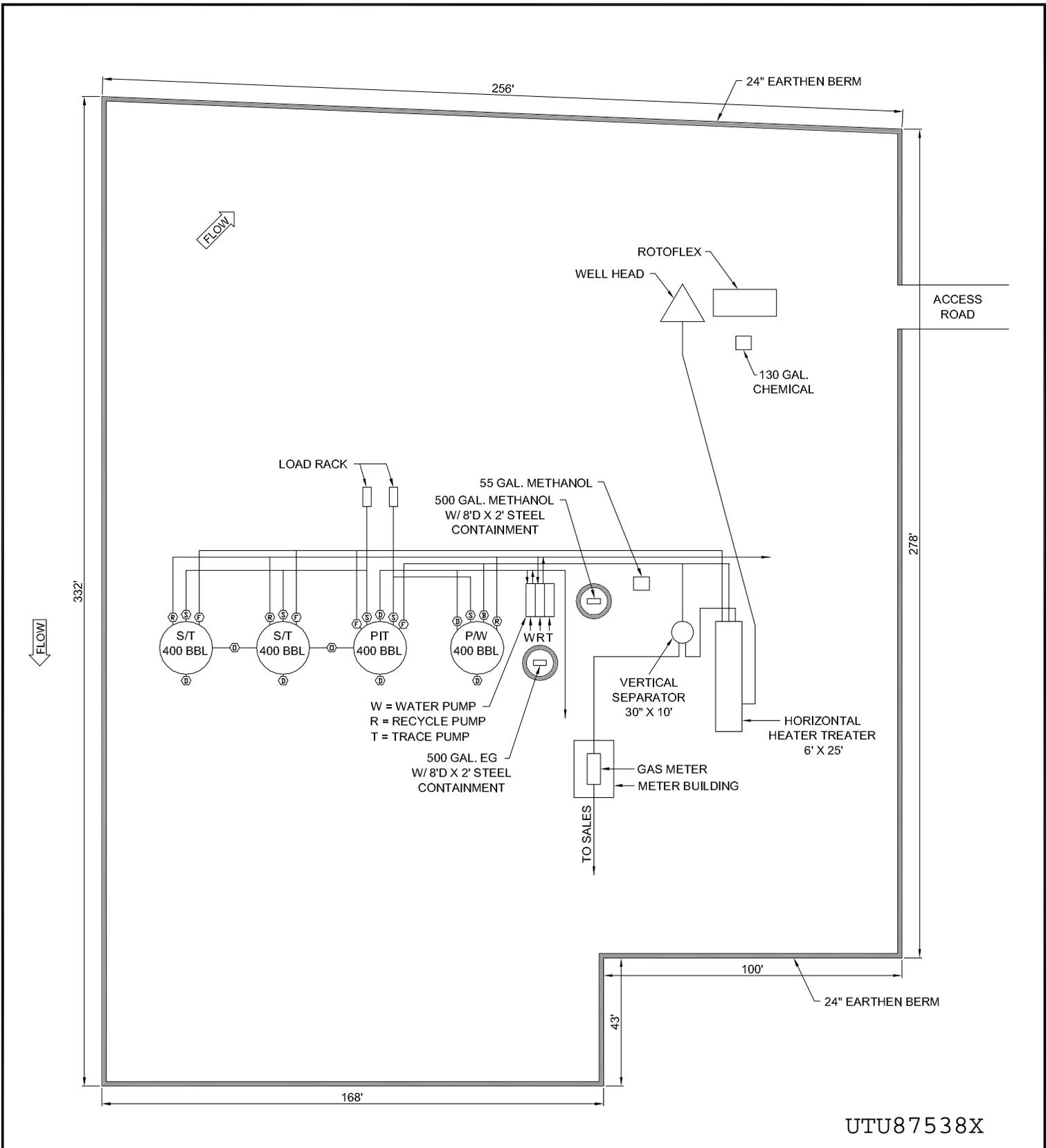
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/1/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="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  
 August 27, 2012**

<b>NAME (PLEASE PRINT)</b> Jill L Loyle	<b>PHONE NUMBER</b> 303 383-4135	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/13/2012	



UTU87538X

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 #: UTU 87538 X (FEE)  
 API #: 4301350833  
 This lease is subject to the  
 Site Security Plan for:  
 Newfield Exploration Company  
 19 East Pine Street  
 Pinedale, WY 82941



**MURPHY 2-31-3-2**  
 Newfield Exploration Company  
 NWNE Sec 31, T3S, R2W  
 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.

MAR 2012



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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Patented
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> MURPHY #2-31-3-2
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013508330000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0502 FNL 2460 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 31 Township: 03.0S Range: 02.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> 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: 10/6/2011	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The above well was placed on production on 10/06/2011 at 13:00 hrs.  
Production Start Sundry re-sent on 10/07/2012.

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

<b>NAME (PLEASE PRINT)</b> Kaci Deveraux	<b>PHONE NUMBER</b> 435 646-4867	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/7/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
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2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013508330000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0502 FNL 2460 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 31 Township: 03.0S Range: 02.0W 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"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/6/2011	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 The above well was placed on production on 10/06/2011 at 13:00 hrs. Production Start Sundry re-sent on 10/07/2012.

NAME (PLEASE PRINT) Kaci Deveraux	PHONE NUMBER 435 646-4867	TITLE Production Technician
SIGNATURE N/A	DATE 10/7/2012	

## Daily Activity Report

Format For Sundry

**MURPHY 2-31-3-2**

**8/1/2011 To 12/30/2011**

**9/9/2011 Day: 1**

**Completion**

Rigless on 9/9/2011 - "Safety meeting" MIRU Bronco oilfield service crane truck. ND 10K production tree. NU 10K frac tree (Manual master, Manual master, Flowcross and HCR). RD Bronco crane truck. - "Safety meeting" MIRU Bronco oilfield service crane truck. ND 10K production tree. NU 10K frac tree (Manual master, Manual master, Flowcross and HCR). RD Bronco crane truck. Moving and setting 500 bbls frac tanks.

**Daily Cost:** \$0

**Cumulative Cost:** \$24,268

**9/17/2011 Day: 2**

**Completion**

Rigless on 9/17/2011 - Ran CBL. Pressure test csg and frac tree. Perforate Wasatch 25 zone (DFIT). SIWFN w/ 204 BWTR. - "Safety Meeting" MIRU Pioneer WLT. Run CBL under pressure from 9582' to surface. Estimated TOC @ 144'. RU D&M hot oiler. Pressure csg up to 4000 psi. RU Weatherford and pressure test csg and master valves, HCR and flowcross to 8000 psi. RU WL RIH w/ 3 1/8" scallop guns & perforate Wasatch 25 zone @ 8990- 93' w/ (16 gram, .35"EH, 14.56¢ pen. 120°) 3 spf for total of 9 holes. RD WLT. SIWFN w/ 204 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$62,710

**9/18/2011 Day: 5**

**Completion**

Rigless on 9/18/2011 - Perforate remaining zones in 1st stage. - "Safety meeting" . RD data trap gauge. Replace all O-ring on flowback line and pressure test all lines. RU Pioneer WLT, Crane and 10K lubricator. 2800 psi on well. Tried to RIH w/ perf guns. Stacked out @ 57'. LD guns and lubricator. SIWFN w/ 214 BWTR. - "Safety meeting" . RD data trap gauge. Replace all O-ring on flowback line and pressure test all lines. RU Pioneer WLT, Crane and 10K lubricator. 2800 psi on well. Tried to RIH w/ perf guns. Stacked out @ 57'. LD guns and lubricator. SIWFN w/ 214 BWTR. - "Safety meeting" . RD data trap gauge. Replace all O-ring on flowback line and pressure test all lines. RU Pioneer WLT, Crane and 10K lubricator. 2800 psi on well. Tried to RIH w/ perf guns. Stacked out @ 57'. LD guns and lubricator. SIWFN w/ 214 BWTR. - "Safety meeting" 2800 psi on well. RU Pioneer WL. RU Zubiate hot oil. Pumped 8 bbls of well down csg @ 150 degrees. 4500 psi on well. RIH w/ perf guns, Stacked out @ 175'. POH w/ perf guns. Flowback well. Flow 5 bbls and died. RU hot oiler and pumped 12 bbls of wtr down csg @ 175 degrees. 4500 psi. Flowback well. Flowback 12 bbls and died. Pumped 15 bbls of wtr @ 175 degrees. 4500 psi on well. RU WL. RIH w/ perf guns. Perforated w/ 3 1/8" scallop guns & perforate Wasatch 25 zone @ 8931- 33' and Wasatch 23 zone @ 8910- 12' w/ (16 gram, .35"EH, 14.56¢ pen. 120°) 3 spf for total of 12 holes. RD WLT. SIWFN w/ 231 BWTR. - "Safety meeting" 2800 psi on well. RU Pioneer WL. RU Zubiate hot oil. Pumped 8 bbls of well down csg @ 150 degrees. 4500 psi on well. RIH w/ perf guns, Stacked out @ 175'. POH w/ perf guns. Flowback well. Flow 5 bbls and died. RU hot oiler and pumped 12 bbls of wtr down csg @ 175 degrees. 4500 psi. Flowback well. Flowback 12 bbls and died. Pumped 15 bbls of wtr @ 175 degrees. 4500 psi on well. RU WL. RIH w/ perf guns. Perforated w/ 3 1/8" scallop guns & perforate Wasatch 25 zone @ 8931- 33' and Wasatch 23 zone @ 8910- 12' w/ (16 gram, .35"EH, 14.56¢ pen. 120°) 3 spf for total of 12 holes. RD WLT. SIWFN w/ 231 BWTR. - "Safety meeting" 2800 psi on well. RU Pioneer WL. RU Zubiate hot oil. Pumped 8 bbls of well down csg @ 150 degrees. 4500 psi on well. RIH w/ perf guns, Stacked out @ 175'.

POH w/ perf guns. Flowback well. Flow 5 bbls and died. RU hot oiler and pumped 12 bbls of wtr down csg @ 175 degrees. 4500 psi. Flowback well. Flowback 12 bbls and died. Pumped 15 bbls of wtr @ 175 degrees. 4500 psi on well. RU WL. RIH w/ perf guns. Perforated w/ 3 1/8" scallop guns & perforate Wasatch 25 zone @ 8931- 33' and Wasatch 23 zone @ 8910- 12' w/ (16 gram, .35"EH, 14.56¢ pen. 120°) 3 spf for total of 12 holes. RD WLT. SIWFN w/ 231 BWTR. - "Safety meeting" MIRU Baker Hughes. RU and pressure test lines. RU data trap. Load hole and breakdown Wasatch 25 zone @ 4574 PSI @ 3.5 BPM. Pumped 420 gallons of wtr. Final injection pressure 4956 psi @ 3.3 BPM. ISIP 4619 psi. 5 min 4167 psi, 10 min 4040 psi, 15 min 4014 psi, 30 min 3938 psi. RD Baker Hughes. SIWFN w/ 214 BWTR. Pressure test flowback line and manifold. - "Safety meeting" MIRU Baker Hughes. RU and pressure test lines. RU data trap. Load hole and breakdown Wasatch 25 zone @ 4574 PSI @ 3.5 BPM. Pumped 420 gallons of wtr. Final injection pressure 4956 psi @ 3.3 BPM. ISIP 4619 psi. 5 min 4167 psi, 10 min 4040 psi, 15 min 4014 psi, 30 min 3938 psi. RD Baker Hughes. SIWFN w/ 214 BWTR. Pressure test flowback line and manifold. - "Safety meeting" MIRU Baker Hughes. RU and pressure test lines. RU data trap. Load hole and breakdown Wasatch 25 zone @ 4574 PSI @ 3.5 BPM. Pumped 420 gallons of wtr. Final injection pressure 4956 psi @ 3.3 BPM. ISIP 4619 psi. 5 min 4167 psi, 10 min 4040 psi, 15 min 4014 psi, 30 min 3938 psi. RD Baker Hughes. SIWFN w/ 214 BWTR. Pressure test flowback line and manifold.

**Daily Cost:** \$0

**Cumulative Cost:** \$88,758

**9/19/2011 Day: 6**

**Completion**

Rigless on 9/19/2011 - Frac stages 1-3. Set solid composite plug and perforate 4th stage. - "Safety meeting" RU Baker Hughes, Pioneer WL. Frac 1 stage, Perforate and frac 2nd and 3rd stage. Set solid plug and perforate 4th stage. SIWFN w/ 3900 psi and 8114 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$124,862

**9/20/2011 Day: 7**

**Completion**

Rigless on 9/20/2011 - Continue Frac and WL operations. Frac stg #4, Perf and frac stg #5. Perforate stg #6. While POH w/ WL. Hung up @ 4410' and pulled out of rope socket. POH w/ WL. SIWFN. - "Safety meeting" Continue frac w/ Baker Hughes and Pioneer WL Services. Frac stage #4. Perforate and frac stage #5. Set plug and perforate stage #6. While POH w/ WL, Perf guns and setting tool. WL hung up @ 4410'. Pulled out of rope socket. POH w/ WL. SIW and RU WL lubricator. 11856 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$186,337

**9/22/2011 Day: 8**

**Completion**

Rigless on 9/22/2011 - RIH w/ WL to fish perf guns. On 2nd trip out of hole, WL was unable to get far enough into lubricator to shut in well. - "Safety meeting" 1600 psi on well. RU Pioneer WL and B&G crane. PU 62' of 5 1/2" 10K lubricator, WL BOP (Total length of lubricator, WL BOP, Frac head, HCR valve, flowcross and upper master valve is 73.25'). Make up and run in the w/ junk basket w/ 4.54" gauge ring. Pressure increased to 3300 psi after WL equalized. Tagged fill or top of fish @ 7897'. POH w/ junk basket and gauge ring. PU & RIH w/ cablehead fishing tool w/ 3.875" guide shoe. Try to latch on to fish. Worked up and down numerous times. Unable to keep latched onto cable head. POH w/ fishing tool. Inspect fishing tool. Replace shear pin in fishing tool and change out 3.875" guide shoe for 3.531" guide shoe. RIH w/ fishing tool. Tagged @ 7897'. Try to latch onto fish. Worked fish top down to 7931'. Fish on top of composite bridge plug. Latched onto fish multiple times (Was able to latch onto fish and

pull up to 7585', before fish came unlatched). Flowback well @ estimated 1-2 BPM while pulling on fish. POH w/ WL and fishing tools. Was unable to bump up into lubricator all the way. Still lacking est 6- 8' from being able to shut lower master valve. Unable to close WL rams due to toolstring. Overall length of tool string from cable head to guide shoe is 26.23'. WL unable to go back in hole. Decision was made to wait for mud to kill well. - 2 Newfield completion foreman, 2 J&A flowback hands, 3 Pioneer WL hands and 1 B&G crane hand monitor well while waiting for mud and pumping services.

**Daily Cost:** \$0

**Cumulative Cost:** \$199,712

**9/23/2011 Day: 9**

**Completion**

Rigless on 9/23/2011 - Monitor well, flowback well to keep under 3000 psi. RU light plant, wind socks, secondary WL crane w/ man basket, grease pump and pack off pump. - "Meet and discuss hazards and procedures" Cut and remove frac stand. Dig out work area around wellhead and csg. Cut and remove 3' section of conductor csg. RU TechCorr and x-ray 4 times to determine where toolstring is. RD 2nd B&G crane. Spot nitrogen unit and RU. Conduct safety meeting with BTI and Wild well control about freezing process. Spot and RU all equipment. Fence and tape off WH area. Open up well and flowback an est 10 bbls to determine fluid in wellbore. Conduct Safety meeting with BTI and Wild well control. Start freezing process @ 11:15 PM. (13-15 personnel on location during freezing ops). - "Conduct multiple safety meeting through out the day on specific task being done" Flowed well back 3 time to keep pressure below 3000 psi. Recovered a total of 208 bbls of wtr. - "Conduct multiple safety meeting through out the day on specific task being done" Flowed well back 3 time to keep pressure below 3000 psi. Recovered a total of 208 bbls of wtr. - Total wtr to recover 11,199 bbls, Total wtr to recover from upper 2 frac stages open to flow 3084 bbls. As of 10:30 AM on 9-23-11 10,991 BWTR total, 2876 BWTR from upper 2 stage open to flow. - Total wtr to recover 11,199 bbls, Total wtr to recover from upper 2 frac stages open to flow 3084 bbls. As of 10:30 AM on 9-23-11 10,991 BWTR total, 2876 BWTR from upper 2 stage open to flow. - "Safety meetings" MIRU Baker hughes pump truck. Wait on kill mud. 3300 psi on well. Flowed back well for 2 1/2 hours, Recovered a total of 422 bbls of wtr. Shut in well and suspend operations. Surface pressure dropped to 1800 psi during flowback. Pressure built back up to 3000 psi. Flowed well 3 times to keep pressure at 3000 psi. Recovered a total of 210 bbls mostly water. RU BJ to surface casing and fill w/ 6 bbls of wtr. RU junk shot line in Bakers line. Pressure test lines to 8600 psi. Spot in and RU additional pioneer WL Crane with man basket, secondary grease pump and pack-off pump. MIRU 3 additional light tower plants (4 total on location). RU two wind socks on location. - "Safety meetings" MIRU Baker hughes pump truck. Wait on kill mud. 3300 psi on well. Flowed back well for 2 1/2 hours, Recovered a total of 422 bbls of wtr. Shut in well and suspend operations. Surface pressure dropped to 1800 psi during flowback. Pressure built back up to 3000 psi. Flowed well 3 times to keep pressure at 3000 psi. Recovered a total of 210 bbls mostly water. RU BJ to surface casing and fill w/ 6 bbls of wtr. RU junk shot line in Bakers line. Pressure test lines to 8600 psi. Spot in and RU additional pioneer WL Crane with man basket, secondary grease pump and pack-off pump. MIRU 3 additional light tower plants (4 total on location). RU two wind socks on location. - "Meet and discuss hazards and procedures" Cut and remove frac stand. Dig out work area around wellhead and csg. Cut and remove 3' section of conductor csg. RU TechCorr and x-ray 4 times to determine where toolstring is. RD 2nd B&G crane. Spot nitrogen unit and RU. Conduct safety meeting with BTI and Wild well control about freezing process. Spot and RU all equipment. Fence and tape off WH area. Open up well and flowback an est 10 bbls to determine fluid in wellbore. Conduct Safety meeting with BTI and Wild well control. Start freezing process @ 11:15 PM. (13-15 personnel on location during freezing ops).

**Daily Cost:** \$0

**Cumulative Cost:** \$215,987

**9/25/2011 Day: 11****Completion**

Rigless on 9/25/2011 - Continue to freeze well. Remove WL lubricator and toolstring. SHUT in well. RD all equipment. - Continue freezing 9 5/8" by 5 1/2" casing. - 2800 psi on flowback manifold. Bled pressure down to 750 psi, Estimated 1/4 bbl wtr. Shut in flowback - Continue freezing well. - Baker hughes mixed up 10 bbls of gel. Flowback bled well down from 2875 to 2750 psi, gas and oil @ surface, turned to water (Flowed an estimated 10 bbls of wtr). Shut in flowback. Baker pumped 9.4 bbls of gel slurry. Final shut in pressure on flowback gauge 2800 psi. - Continue freezing well. - 750 psi on well. Conference call w/ denver. Safety meeting with all personnel. Baker pressure up on well to 3050 psi. 30 min test. Bled down pressure to 0 psi. Conduct 30 min negative test (good). Conduct safety meeting with all personnel. Check for differential pressure on lubricator. Loose lubricator connection. Ensure all personnel are in clear area. Lift up lubricator and tool string. Shut in HCR and lower master valve. RD WL lubricator and toolstring. - Cap frac tree. Baker hughes pressure up on frac tree and ice plug to 5000 psi. Shut in all valve on frac tree. RD BTI, Pioneer WL cranes and trucks, B&G crane, Baker hughes pump truck.

**Daily Cost:** \$0

**Cumulative Cost:** \$242,537

**9/27/2011 Day: 12****Completion**

Rigless on 9/27/2011 - ND frac tree. NU 10K BOP. Set deadman for snubbing unit. - 9-25-11 Runners LLC hauled gravel in and filled in cellar. "Safety meeting" 2900 psi on well. Bleed off frac tree. RU Bronco crane truck. ND Baker frac head, HCR valve, Flowcross and upper master valve. NU Knight oil tools 7 1/16" 10K double Cameron BOP's. Weatherford pressure tested BOP to 10,000 psi. Hammer oilfield service dug and set deadman for snubbing unit. SIWFN w/ 10,763 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$357,021

**9/28/2011 Day: 13****Completion**

Rigless on 9/28/2011 - Spot equipment. Start RU snubbing unit. - "Safety meeting w/ J&C crane, IPS snubbing, J&A flowback, Weatherford pressure testing, Cudd pumping services personnel" - 2950 psi on well. RU snubbing jack and stand pipe. Try to pressure test stand pipe and stack. Had to RD stand pipe 3 times before getting good test to 8500 psi. Cudd RU pumplines. Pressure test to 8000 psi. Hot oiler steamed paraffin off tbg on racks. Pressure test additional flowbacklines. PU and make up Slauch fishing tools (3 1/8" grapple, Extension, string float, X-over, bumper sub, jars, X-over). PU 1 jts of 2 3/8" PH6, XN nipple, 1 jt of 2 3/8" PH6. Leave tools hanging in snubbing stack. Prep everything to be ready to RIH in the AM. SDFN w/ 10,763 BWTR. - "Safety meeting" Hammer oilfield services set 15 additional deadman anchors for snubbing unit. Benco tested anchors. Move snubbing unit, pipe racks, 2 3/8" PH6 tbg, line heater, separator, 7 1/16" 15K spools and frontend loader and J&C crane from Padilla to Murphy location. Spot crane and snubbing unit. RU & guy out Weatherford 7 1/16" X 5' 10K spool, 7 1/16" 10K X 15K changeover spool, Stinger 2- 7 1/16" X8' 15K spools, 2- 7 1/16" X 10' 15K spools, BOP stack (Overall length from #1 pipes to top on lower blind rams 62.7', Bag to blinds 67.7', Bag to lower master 69.62'). Weatherford wellhead systems Torqued and flange connections. Runners trucking spotted catwalk and pipe racks. Unloaded 367 jts of Weatherford 2 3/8" 5.95# PH6. J&A flowback RU separator and line heater. Select equipment delivered 60' manlift to RU BOP stack. Bronco field service PU accumulator. SDFN w/ 10,763 BWTR. - 2950 psi on well. RU snubbing jack and stand pipe. Try to pressure test stand pipe and stack. Had to RD stand pipe 3 times before getting good test to 8500 psi. Cudd RU pumplines. Pressure test to 8000 psi. Hot oiler steamed paraffin off tbg on racks. Pressure test additional flowbacklines. PU and make up Slauch fishing tools (3 1/8" grapple, Extension,

string float, X-over, bumper sub, jars, X-over). PU 1 jts of 2 3/8" PH6, XN nipple, 1 jt of 2 3/8" PH6. Leave tools hanging in snubbing stack. Prep everything to be ready to RIH in the AM. SDFN w/ 10,763 BWTR. - "Safety meeting" Hammer oilfield services set 15 additional deadman anchors for snubbing unit. Benco tested anchors. Move snubbing unit, pipe racks, 2 3/8" PH6 tbg, line heater, separator, 7 1/16" 15K spools and frontend loader and J&C crane from Padilla to Murphy location. Spot crane and snubbing unit. RU & guy out Weatherford 7 1/16" X 5' 10K spool, 7 1/16" 10K X 15K changeover spool, Stinger 2- 7 1/16" X8' 15K spools, 2- 7 1/16" X 10' 15K spools, BOP stack (Overall length from #1 pipes to top on lower blind rams 62.7', Bag to blinds 67.7', Bag to lower master 69.62'). Weatherford wellhead systems Torqued and flange connections. Runners trucking spotted catwalk and pipe racks. Unloaded 367 jts of Weatherford 2 3/8" 5.95# PH6. J&A flowback RU separator and line heater. Select equipment delivered 60' manlift to RU BOP stack. Bronco field service PU accumulator. SDFN w/ 10,763 BWTR. - "Safety meeting w/ J&C crane, IPS snubbing, J&A flowback, Weatherford pressure testing, Cudd pumping services personnel"

**Daily Cost:** \$0

**Cumulative Cost:** \$413,611

**9/30/2011 Day: 15**

**Completion**

Rigless on 9/30/2011 - TIH w/ fishing tools. Circulate well and work over fish multiple time. Unable to determine that we have fish. LD 15 jts of tbg. SIWFN - "Safety meeting" 2950 psi on well. Flowback well for 30 mins. Rec 60 BTF. Snub in the hole w/ fishing tools. PU a total of 259 jts of 2 3/8" 5.95# PH6 tbg. Circulated well 3 times on the TIH. Swivel in the hole w/ last 3 jts. Tag the top of fish. Cudd circulated hole w/ 16 bbl sweep and 170 bbls of wtr. Latched on to fish multiple times. Due to pump pressure and light weight fish, Unable to determine if we have fish. LD 15 jts of tbg. EOT @ 7537'. SIWFN w/ 10,510 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$805,866

**10/1/2011 Day: 16**

**Completion**

Rigless on 10/1/2011 - Snub out of the hole w/ fish. LD fishing tools and fish. Make Weatherford bit and motor assembly - ""Safety meeting" 2950 psi on well. Bleed of gas and oil. TOH w/ tbg. Bleed off through snubbing bleed off every 20 jts to keep pariffin from building up in snubbing stack. LD 243- jts of 2 3/8" 5.95# PH6 tbg. LD Slauch fish tools and Pioneer WL perf guns and setting tool (Bleeder disc in setting tool was missing). Make up and PU Weatherford 4 5/8" bit, 3 1/2" motor, disconnect, double flapper check. Leave tools string hanging in stack. SIWFN w/ 10,250 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$848,458

**10/2/2011 Day: 18**

**Completion**

Rigless on 10/2/2011 - Drill out remaining 3 plugs. Tag fill @ 9501'. Circulate well clean. LD 108 jts of tbg. EOT @ 6167 '. SIWFN w/ 8880 BWTR. - "Safety meeting" 2950 psi on well. Function test Weatherford motor in snubbing stack. Equalize, PU and RIH w/ tbg. Fill tbg and function test motor every 50 jts. 259 jts in hole, Tagged 1st composite plug @ 7980'. RU and drill out plug (Pumped in 3 BPM @ 4250 psi, Returns @ 4 to 4 1/4 BPM). Drilled out in 28 mins. Cudd pumped 10 bbls gel sweep. Tagged 2nd plug @ 8210' (Pumped in 3 1/4 BPM @ 4700 psi, Returns @ 4 to 4 1/4 BPM). Drilled out in 32 mins. Cudd pumped 10 bbls gel sweep. Circulate well clean w/ 190 bbls of wtr. Got sweeps back. Snubbed out of the hole w/ 18 jts of tbg. EOT @ 7656'. SIWFN w/ 9827 BWTR. - "Safety meeting" 2950 psi on well. Function test Weatherford motor in snubbing stack. Equalize, PU and RIH w/ tbg. Fill tbg and function test

motor every 50 jts. 259 jts in hole, Tagged 1st composite plug @ 7980'. RU and drill out plug (Pumped in 3 BPM @ 4250 psi, Returns @ 4 to 4 1/4 BPM). Drilled out in 28 mins. Cudd pumped 10 bbls gel sweep. Tagged 2nd plug @ 8210' (Pumped in 3 1/4 BPM @ 4700 psi, Returns @ 4 to 4 1/4 BPM). Drilled out in 32 mins. Cudd pumped 10 bbls gel sweep. Circulate well clean w/ 190 bbls of wtr. Got sweeps back. Snubbed out of the hole w/ 18 jts of tbg. EOT @ 7656'. SIWFN w/ 9827 BWTR. - "Safety meeting" 2750 psi on well. Equalize, PU and RIH w/ tbg. 270 jts in hole, Tagged fill @ 8168'. 3rd composite plug (solid) @ 8320'. RU and drill out plug (Pumped in 3.2 BPM @ 4500 psi, Returns @ 3.2 BPM, 2500 psi). Drilled out in 28 mins. Pressure drop to 2400 psi. Cudd pumped 2- 10 bbls gel sweeps. Tagged 4th plug @ 8570' (Pumped in 3.2 BPM @ 4400 psi, Returns @ 4 1/2 BPM, 2300 psi). Drilled out in 32 mins. Cudd pumped 10 bbls gel sweep. Tagged 5th plug @ 8570' (Pumped in 3.2 BPM @ 4400 psi, Returns @ 4 1/2 BPM, 2300 psi). Drilled out in 32 mins. RU w/ tbg. 308 jts total. Tagged fill @ 9501'. Pumped 15 bbls sweep. Circulate well clean w/ 190 bbls of wtr. Got sweeps back. Snubbed out of the hole w/ 108 jts of tbg. EOT @ 6162'. SIWFN w/ 8880 BWTR. - "Safety meeting" 2750 psi on well. Equalize, PU and RIH w/ tbg. 270 jts in hole, Tagged fill @ 8168'. 3rd composite plug (solid) @ 8320'. RU and drill out plug (Pumped in 3.2 BPM @ 4500 psi, Returns @ 3.2 BPM, 2500 psi). Drilled out in 28 mins. Pressure drop to 2400 psi. Cudd pumped 2- 10 bbls gel sweeps. Tagged 4th plug @ 8570' (Pumped in 3.2 BPM @ 4400 psi, Returns @ 4 1/2 BPM, 2300 psi). Drilled out in 32 mins. Cudd pumped 10 bbls gel sweep. Tagged 5th plug @ 8570' (Pumped in 3.2 BPM @ 4400 psi, Returns @ 4 1/2 BPM, 2300 psi). Drilled out in 32 mins. RU w/ tbg. 308 jts total. Tagged fill @ 9501'. Pumped 15 bbls sweep. Circulate well clean w/ 190 bbls of wtr. Got sweeps back. Snubbed out of the hole w/ 108 jts of tbg. EOT @ 6162'. SIWFN w/ 8880 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$940,739

**10/4/2011 Day: 19**

**Completion**

Rigless on 10/4/2011 - LD TBG. & BHA RD SNUBBING UNIT - HOLD SAFETY MEETING, CONT. OOH W/ 200 JTS. TBG. LD MOTOR & MILL. RU HOT OILER FLUSH SNUB STACK W/ 25 BBLs HTD WTR. RD HOT OILER, RACK OUT EQUIP. & RD SNUBBING UNIT MOL. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$973,405

**10/5/2011 Day: 20**

**Completion**

Stone #8 on 10/5/2011 - WL PKR RUSU PU & START IN HOLE W/ PROD. STRING - SIP 2900# RU WL PU 4.500 OD BAKER HORNET PKR PRES. TEST LUB. & BOP TO 4500# (GOOD) RIH SET PKR @ 7568' POOH RD WL & BLEED WELL OFF, ND 10K STACK & MANUAL FRAC VALVE, NU 5000# BOP RUSU, PU & RIH W/ 4.500 OD ON/OFF TOOL SKIRT FOLLOWED BY 80 JTS. 2 7/8 N-80 GRADE TBG. EOT @ 2610' SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$988,143

**10/6/2011 Day: 21**

**Completion**

Stone #8 on 10/6/2011 - PU PROD. LAND WELL TRY TO PRODUCE AND TBG. PLUGGED OFF - SIP 300# RU FLOW LINES BLEED WELL DWN. CONT. IN HOLE W/ 2 7/8 TBG. "J" UP ON PKR ON SPACE OUT RU HOT OILER PUMP 160 BBLs OFF PKR FLUID, INSTALL DOUBLE CHECK BACK PRES. VAVLE LAND WELL in 10K COMP. ND 5K BOP NU 10K WELL HEAD. TEST WELLHEAD AND FLOW LINE TO 10K (GOOD) TEST ANN. TO 2000# (GOOD) RU TO TBG. SIDE PUMP OUT PKR. PUMP OUT PLUG (3600#) INJECT 1 BBL AFTER PUMP OUT. TURN WELL TO PROD. FLOW FOR 1 HR. RECOVERING 53 BBLs ON #14 CHOKE WELL PLUGED OFF PRES. FELL

TO 0# SHUT WELL IN RU HOT OILER PRES. TEST TO 4500# OPEN WELL 400# PUMP 10 BBLs HTD WTR. PRES. UP TO 3000# UNABLE TO MOVE FLUID BY OBSTRUCTION BLEED DWN PRES. RU STEEL HARD LINE PRES. TEST TO 5000# PUMP 50BBLs HTD. WTR. SEEING PRES SPIKE TO 3500# AFTER 10 BBLs THEN INJECT 40 BBLs CLEARING TBG. OPEN WELL TO FLOW BACK AND PLUGED OFF AGAIN SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,080,871

**10/7/2011 Day: 22**

**Completion**

Stone #8 on 10/7/2011 - PUMP FLUID DWN TBG. - SIP 400# RU BAKER HUGHES PUMP HTD. 65 BBLs. DWN TBG. @ 5.7 BPM @ 4123# WITNESSED PRES. SPIKE @ 44 BBLs (TBG. VOL.) BELIEVED TO PUMP OUT OBSTUCTION TURNED WELL TO FLOW BACK RECOVERD F/ 13:00 TO 15:00 54 BBLs OIL 143 LEFT WELL FLOWING OVER NIGHT

**Daily Cost:** \$0

**Cumulative Cost:** \$1,098,173

**10/17/2011 Day: 23**

**Completion**

Stone #8 on 10/17/2011 - RUN PL - RU WL RUN 2.125 GUAGE RING RUN PL

**Daily Cost:** \$0

**Cumulative Cost:** \$1,153,096

**11/17/2011 Day: 26**

**Completion**

Stone #8 on 11/17/2011 - RIH w/ rods. PWOP @ 2:00 pm w/ 288" SL & 4 SPM. - Flush tbg w/ 70 BW @ 250° F. RIH w/ 91- 3/4" 4 per guided rods, 140 7/8" 4 per guided rods. Space out rods w/ 3- 2'x 7/8" pony rods. Fill tbg w/ 4 BW & stroke pump up w/ rig to 800 psi. RDMO. Hang rods on unit w/ crane. PWOP @ 2:00 pm w/ 288" SL & 4 SPM. Final report. - Flush tbg w/ 70 BW @ 250° F. RIH w/ 91- 3/4" 4 per guided rods, 140 7/8" 4 per guided rods. Space out rods w/ 3- 2'x 7/8" pony rods. Fill tbg w/ 4 BW & stroke pump up w/ rig to 800 psi. RDMO. Hang rods on unit w/ crane. PWOP @ 2:00 pm w/ 288" SL & 4 SPM. Final report. - Flush tbg w/ 70 BW @ 250° F. RIH w/ 91- 3/4" 4 per guided rods, 140 7/8" 4 per guided rods. Space out rods w/ 3- 2'x 7/8" pony rods. Fill tbg w/ 4 BW & stroke pump up w/ rig to 800 psi. RDMO. Hang rods on unit w/ crane. PWOP @ 2:00 pm w/ 288" SL & 4 SPM. Final report. - Pump 115 BW @ 250° F down csg. RIH w/ 101- jts tbg. Tally & PU 57- jts tbg & RIH, tag fill @ 9495'. LD 5- jts tbg. ND hydrill & BOP. Set TA w/ 21000 # tension. NUWH. X- over to rod equip. Flush tbg w/ 70 BW. PU & prime new JC 2 1/2"x 2"x 36' RHBC pump. RIH w/ pump, 5- 1 1/2" WT barsw/ stabilizer bars, 126- 3/4" 4 per guided rods. SWIFN. - Pump 115 BW @ 250° F down csg. RIH w/ 101- jts tbg. Tally & PU 57- jts tbg & RIH, tag fill @ 9495'. LD 5- jts tbg. ND hydrill & BOP. Set TA w/ 21000 # tension. NUWH. X- over to rod equip. Flush tbg w/ 70 BW. PU & prime new JC 2 1/2"x 2"x 36' RHBC pump. RIH w/ pump, 5- 1 1/2" WT barsw/ stabilizer bars, 126- 3/4" 4 per guided rods. SWIFN. - Pump 115 BW @ 250° F down csg. RIH w/ 101- jts tbg. Tally & PU 57- jts tbg & RIH, tag fill @ 9495'. LD 5- jts tbg. ND hydrill & BOP. Set TA w/ 21000 # tension. NUWH. X- over to rod equip. Flush tbg w/ 70 BW. PU & prime new JC 2 1/2"x 2"x 36' RHBC pump. RIH w/ pump, 5- 1 1/2" WT barsw/ stabilizer bars, 126- 3/4" 4 per guided rods. SWIFN. - MIRU. Pump 100 BW @ 250° F down tbg. ND fow tree. NU BOP & hydrill. Release pkr. POOH w/ tbg, LD pkr. RIH w/ bullplug, 5- jts tbg, desander, 6' sub, SN, 1- jt tbg, TA, 128- jts tbg. SWIFN. - MIRU. Pump 100 BW @ 250° F down tbg. ND fow tree. NU BOP & hydrill. Release pkr. POOH w/ tbg, LD pkr. RIH w/ bullplug, 5- jts tbg, desander, 6' sub, SN, 1- jt tbg, TA, 128- jts tbg. SWIFN. - MIRU. Pump 100 BW @ 250° F down tbg. ND fow tree. NU BOP & hydrill. Release pkr. POOH w/ tbg, LD pkr. RIH w/ bullplug, 5- jts tbg, desander, 6' sub, SN, 1- jt tbg, TA, 128- jts tbg. SWIFN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$1,445,824

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**  
FORM APPROVED  
OF B.L.M. 10-30-87  
Expires: July 3, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No. \_\_\_\_\_  
FEE (PRIVATE)

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

7. Unit or CA Agreement Name and No. \_\_\_\_\_

8. Lease Name and Well No.  
MURPHY 2-31-3-2

9. AFI Well No.  
43-013-50833

10. Field and Pool or Exploratory  
WILDCAT

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 31, T3S, R2W

12. County or Parish  
DUCHESNE

13. State  
UT

14. Date Spudded  
07/22/2011

15. Date T.D. Reached  
08/17/2011

16. Date Completed  
10/06/2011  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5191' GL 5209' KB

18. Total Depth: MD 9720'  
TVD

19. Plug Back T.D.: MD 9655'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36#	0	2510'		477 PRIMLITE			
						179 PRIMLITE			
8-3/4"	5-1/2" P-110	20#	0	9694'		550 PRIMLITE		144'	
						945 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 9368'	TA @ 9114'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch	7758'	8993'	7758-8993'	.35"	147	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7758-7884'	Frac w/ 31147# 20/40 white sand, 4500# 20/40 TLC & 10000# 100 mesh; 1081 bbls Slickwater fluid; 1 stage.
8145-8993'	Frac w/ 357051# 20/40 white sand & 41568# 20/40 TLC; 2657 bbls Slickwater & 3453 bbls Lightning D20 fluid; 4 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/3/11	11/27/11	24	→	126	151	168			2.5" x 2" x 36' RHBC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING
			→						

28a. Production - Interval B

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

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

**RECEIVED**

OCT 24 2012

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	7758'	8993'		GREEN RIVER EPA	2961'
				MAHOGANY BENCH	4869'
				GARDEN GULCH MRKR	5693'
				GARDEN GULCH 1	5940'
				GARDEN GULCH 2	6089'
				DOUGLAS CREEK	6801'
				UTELAND BUTTE	8053'
				WASATCH	5192'

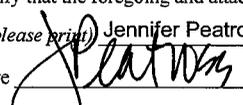
32. Additional remarks (include plugging procedure):

The above well was placed on production on 10/3/2011 and flowed until it was placed on pump on 11/17/2011. Test data was taken ten days following, on 11/27/2011.

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

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

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

Name (please print) Jennifer Peatross Title Production Technician  
 Signature  Date 12/15/2011

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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MURPHY #2-31-3-2
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013508330000
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202	PHONE NUMBER: 303 382-4443 Ext
	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0502 FNL 2460 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 31 Township: 03.0S Range: 02.0W Meridian: U	COUNTY: DUCHESNE
	STATE: UTAH

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

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

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

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

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

NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician
SIGNATURE N/A	DATE 1/25/2013	

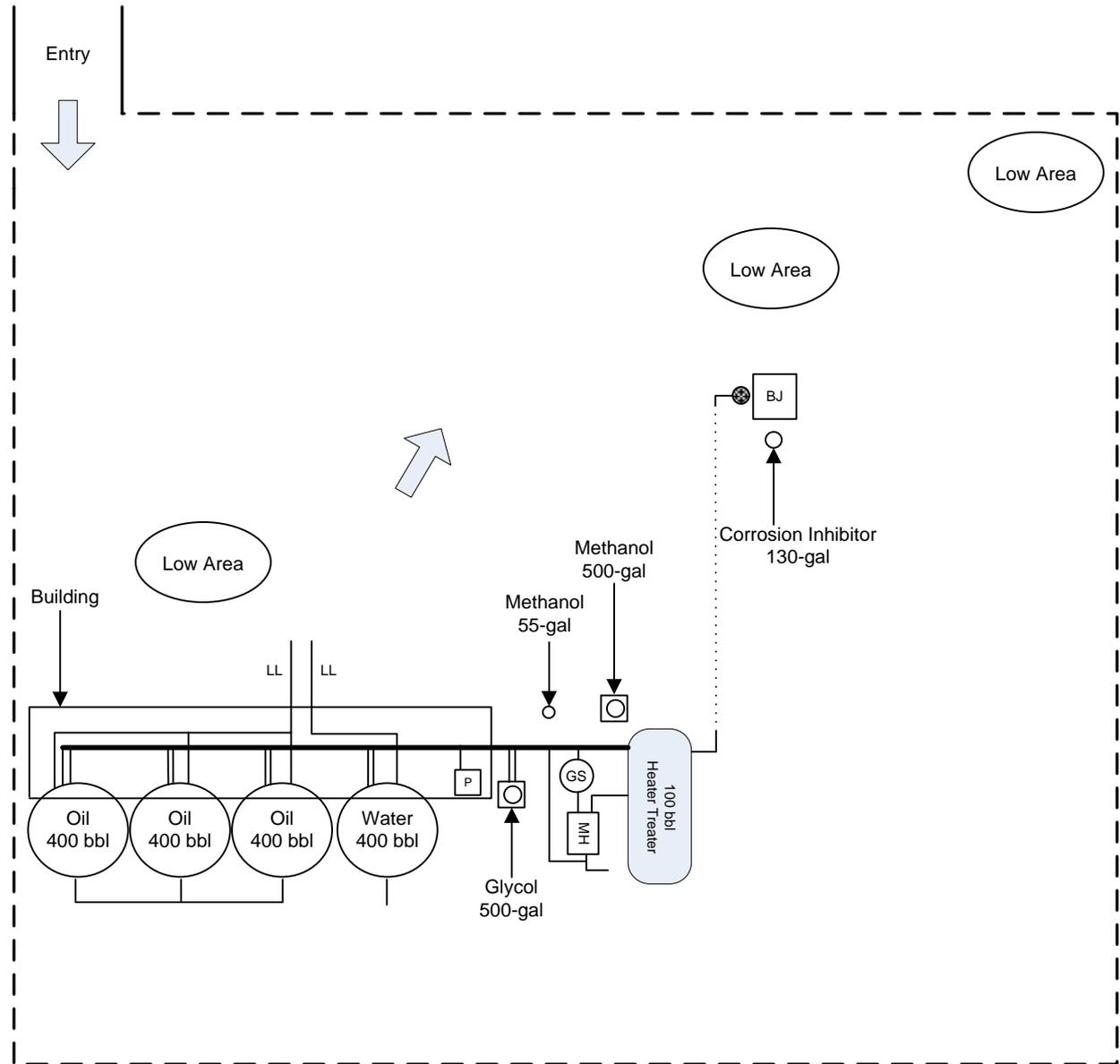
**NEWFIELD PRODUCTION COMPANY**

MURPHY 2-31-3-2W  
SEC. 31 T3S R2W  
DUCHESNE COUNTY, UTAH



**LEGEND**

- FENCE
- - - BERM
- ABOVEGROUND PIPING
- ..... UNDERGROUND PIPING (LOCATION APPROXIMATE)
- MH METER HOUSE
- DIRECTION OF FLOW
- bbbl BARREL(S)
- LL LOAD LINE
- WELL HEAD
- BJ BELT JACK
- P PUMP
- GS GAS SCRUBBER
- PIPING CONDUIT



ALL UNDERGROUND PIPING IS FOR  
PROCESS FLOW DEMONSTRATION ONLY

