

**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> NBU 920-14F		
<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> NATURAL BUTTES		
<b>4. TYPE OF WELL</b> Gas Well      Coalbed Methane Well: NO				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> NATURAL BUTTES		
<b>6. NAME OF OPERATOR</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.				<b>7. OPERATOR PHONE</b> 720 929-6587		
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 173779, Denver, CO, 80217				<b>9. OPERATOR E-MAIL</b> mary.mondragon@anadarko.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU 0577A		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Ute Tribe		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input 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>
<b>LOCATION AT SURFACE</b>	2335 FNL 2412 FWL	SE	14	9.0 S	20.0 E	S
<b>Top of Uppermost Producing Zone</b>	2335 FNL 2412 FWL	SE	14	9.0 S	20.0 E	S
<b>At Total Depth</b>	2335 FNL 2412 FWL	SE	14	9.0 S	20.0 E	S
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 2335		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 2091		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 800		<b>26. PROPOSED DEPTH</b> MD: 10642 TVD: 10642		
<b>27. ELEVATION - GROUND LEVEL</b> 4777		<b>28. BOND NUMBER</b> WYB000291		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Permit #43-8496		

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input 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> Danielle Piernot	<b>TITLE</b> Regulatory Analyst	<b>PHONE</b> 720 929-6156
<b>SIGNATURE</b>	<b>DATE</b> 07/16/2009	<b>EMAIL</b> danielle.piernot@anadarko.com
<b>API NUMBER ASSIGNED</b> 43047505760000	<b>APPROVAL</b>   Permit Manager	

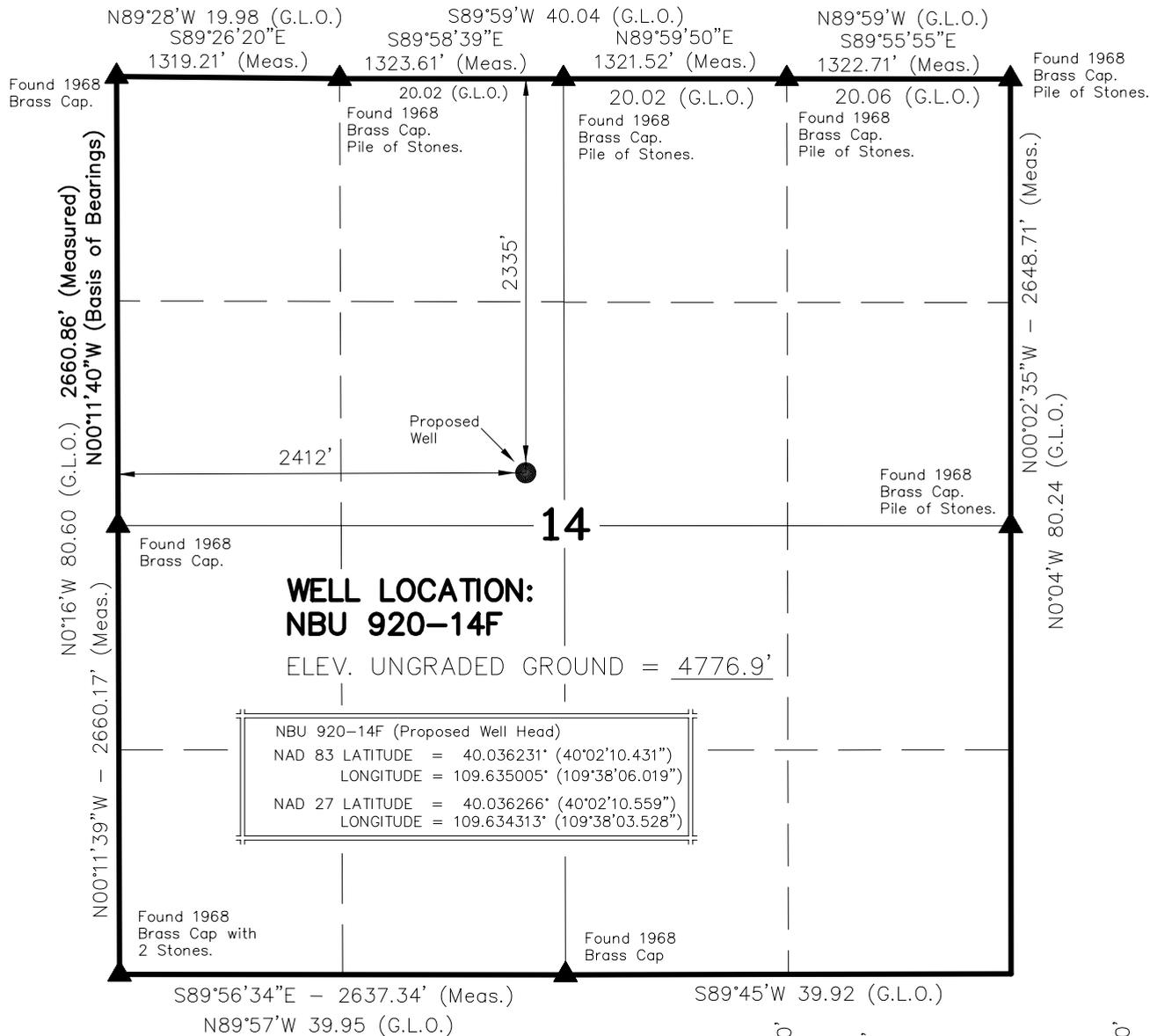
**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	4.5	0	10642		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade HCP-110 LT&C	1042	11.6			
	Grade I-80 LT&C	9600	11.6			

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	9.625	0	2720		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 LT&C	2720	36.0			

# T9S, R20E, S.L.B.&M.



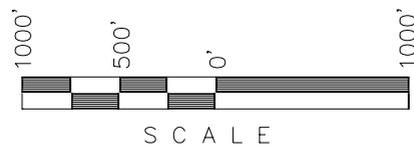
**WELL LOCATION:  
NBU 920-14F**

ELEV. UNGRADED GROUND = 4776.9'

NBU 920-14F (Proposed Well Head)  
 NAD 83 LATITUDE = 40.036231° (40°02'10.431")  
 LONGITUDE = 109.635005° (109°38'06.019")  
 NAD 27 LATITUDE = 40.036266° (40°02'10.559")  
 LONGITUDE = 109.634313° (109°38'03.528")

**NOTES:**

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.
- 4. Basis of elevation is the Northwest Corner of Section 12, T9S, R20E, S.L.B.&M. The elevation of this Section Corner is shown on the Ouray SE 7.5 Min. Quadrangle as being 4676'.

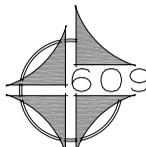


**SURVEYOR'S CERTIFICATE**

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

REGISTERED LAND SURVEYOR  
 REGISTRATION No. 362251  
 STATE OF UTAH  
 K. K. O.  
 No. 362251  
 KOLBY R.  
 K.

**Kerr-McGee  
Oil & Gas Onshore, LP**  
 1099 18th Street - Denver, Colorado 80202



CONSULTING, LLC  
 371 Coffeen Avenue  
 Sheridan WY 82801  
 Phone 307-674-0609  
 Fax 307-674-0182

<b>TIMBERLINE</b> (435) 789-1365		<b>SHEET</b> <b>1</b> <b>OF 9</b>
ENGINEERING & LAND SURVEYING, INC. 38 WEST 100 NORTH - VERNAL, UTAH 84078		
DATE SURVEYED: 01-16-09	SURVEYED BY: D.J.S.	
DATE DRAWN: 02-05-09	DRAWN BY: K.K.O.	
SCALE: 1" = 1000'	Date Last Revised:	

**NBU 920-14F  
WELL PLAT  
2335' FNL, 2412' FWL  
SE ¼ NW ¼ OF SECTION 14, T9S, R20E,  
S.L.B.&M. UTAH COUNTY, UTAH.**

**NBU 920-14F**

Surface: 2,335' FNL, 2,412' FWL (SE/4NW/4)  
Sec. 14 T9S R20E

Uintah, Utah  
Mineral Lease: UTU 0577A

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. – 2. Estimated Tops of Important Geologic Markers:  
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 – Surface	
Green River	1,752'	
Birds Nest	2,003'	Water
Mahogany	2,518'	Water
Wasatch	5,179'	Gas
Mesaverde	8,475'	Gas
MVU2	9,448'	Gas
MVL1	9,958'	Gas
TD	10,642'	

**3. Pressure Control Equipment (Schematic Attached)**

*Please refer to the attached Drilling Program.*

**4. Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

**5. Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

**6. Evaluation Program:**

*Please refer to the attached Drilling Program.*

**7. Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,642' TD, approximately equals 6,630 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4,289 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

**8. Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

**9. Variations:**

*Please refer to the attached Drilling Program.*

*Onshore Order #2 – Air Drilling Variance*

*Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2*

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

*This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.*

*The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.*

*More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.*

***Background***

*In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.*

*Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.*

*The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.*

*KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.*

#### ***Variance for BOPE Requirements***

*The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.*

#### ***Variance for Mud Material Requirements***

*Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.*

#### ***Variance for Special Drilling Operation (surface equipment placement) Requirements***

*Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.*

*Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.*

*Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.*

*Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.*

***Conclusion***

*The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.*

**10. Other Information:**

*Please refer to the attached Drilling Program.*





## KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

### CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2720	36.00	J-55	LTC	0.80*	1.59	4.63
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	LTC	7,780	6,350	201,000
		9600 to 10642	11.60	HCP-110	LTC	1.76	1.04	2.00
						10,690	8,650	279,000
						2.42	1.28	28.37

\*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.05

- 1) Max Anticipated Surf. Press. (MASP) (Surf Csg) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac grad x TVD of next csg point))  
 (Burst Assumptions: TD = 12.2 ppg) 0.22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
**MASP 4,289 psi**
- 2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)  
 (Burst Assumptions: TD = 12.2 ppg) 0.62 psi/ft = bottomhole gradient  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
**MABHP 6,630 psi**

### CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1 TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	380	0%	15.60	1.18
<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>						
SURFACE LEAD	2,220'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	250	35%	11.00	3.82
TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	35%	15.60	1.18
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	4,672'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	450	40%	11.00	3.38
TAIL	5,970'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1460	40%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained  
 \*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

### FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint for a total of 15 bow spring centralizers.

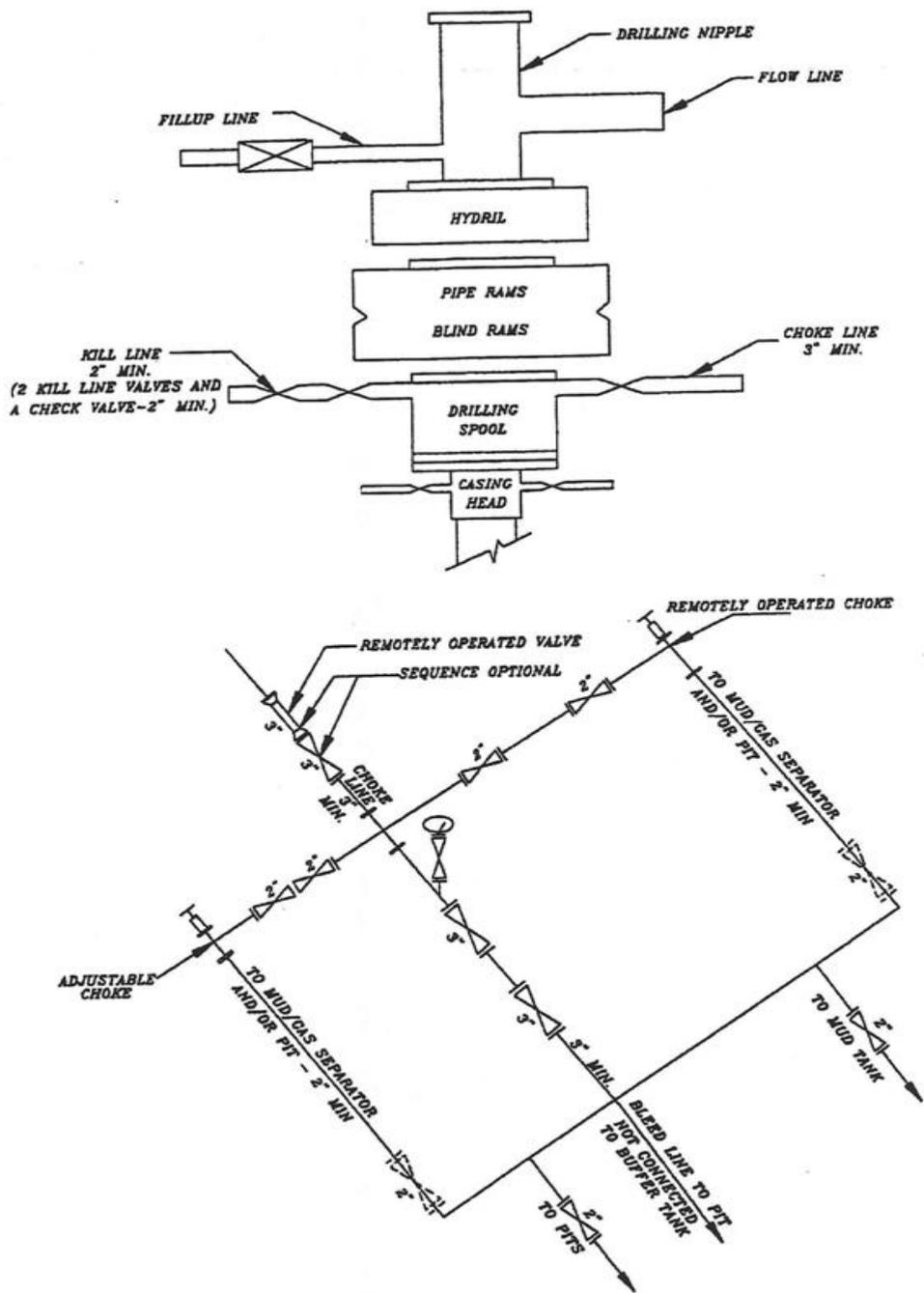
### ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.  
 BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.  
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.  
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 John Huycke / Emile Goodwin

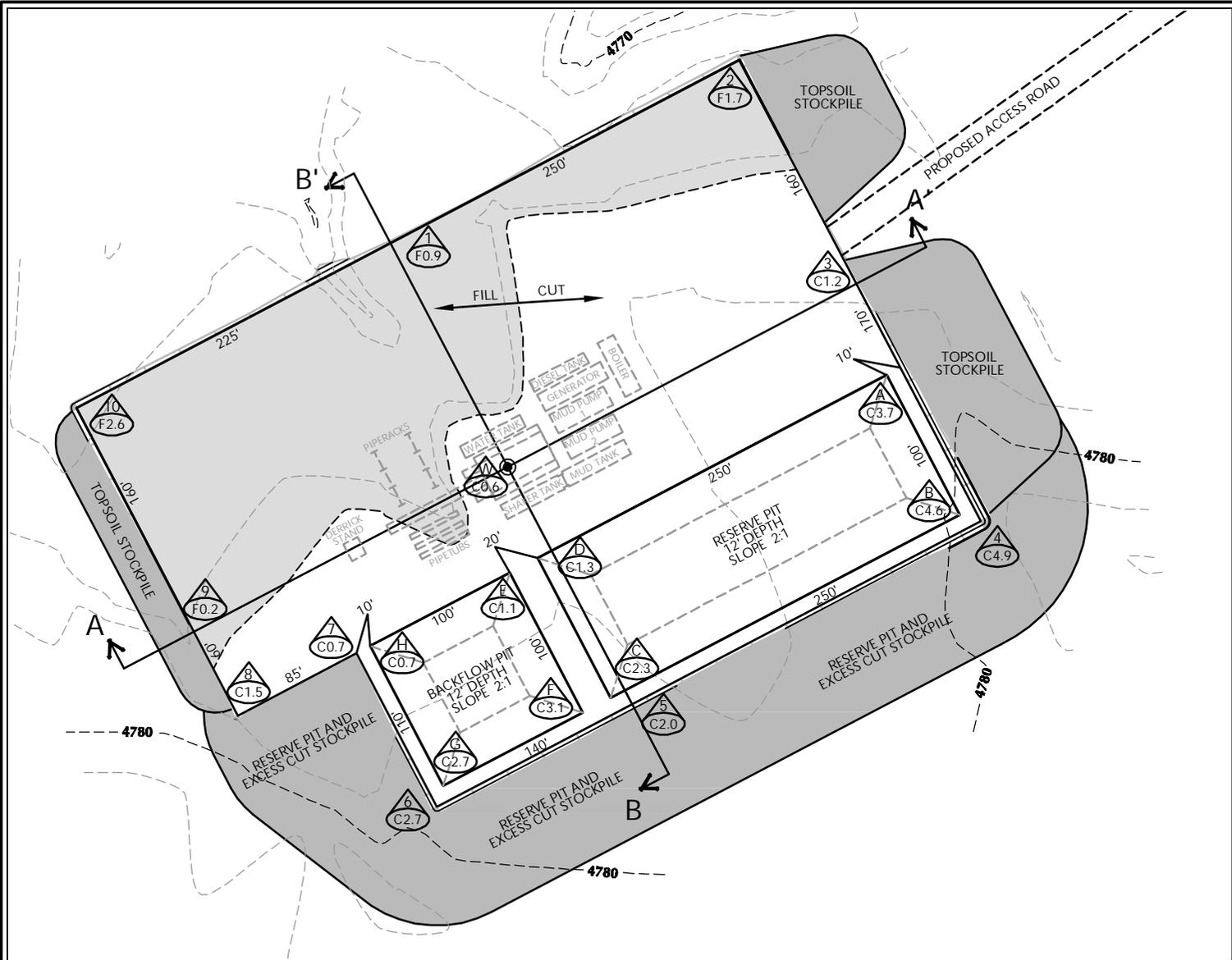
DRILLING SUPERINTENDENT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 John Merkel / Lovel Young

### EXHIBIT A NBU 920-14F



SCHMATIC DIAGRAM OF 5,000 PSI BOP STACK

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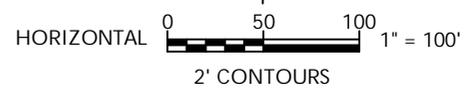
**WELL PAD LEGEND**

- WELL LOCATION
- - - EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)

**WELL PAD NBU 920-14F QUANTITIES**

EXISTING GRADE @ LOC. STAKE = 4776.9'  
 FINISHED GRADE ELEVATION = 4776.3'  
 CUT SLOPES = 1.5:1  
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 3,595 C.Y.  
 TOTAL FILL FOR WELL PAD = 3,051 C.Y.  
 TOPSOIL @ 6" DEPTH = 2,815 C.Y.  
 EXCESS MATERIAL = 544 C.Y.  
 TOTAL DISTURBANCE = 3.49 ACRES  
 SHRINKAGE FACTOR = 1.10  
 SWELL FACTOR = 1.00  
 RESERVE PIT CAPACITY (2' OF FREEBOARD)  
 +/- 28,730 BARRELS  
 RESERVE PIT VOLUME  
 +/- 7,720 CY  
 BACKFLOW PIT CAPACITY (2' OF FREEBOARD)  
 +/- 9,490 BARRELS  
 BACKFLOW PIT VOLUME  
 +/- 2,660 CY



**KERR-MCGEE OIL & GAS**  
**ONSHORE L.P.**  
 1099 18th Street - Denver, Colorado 80202

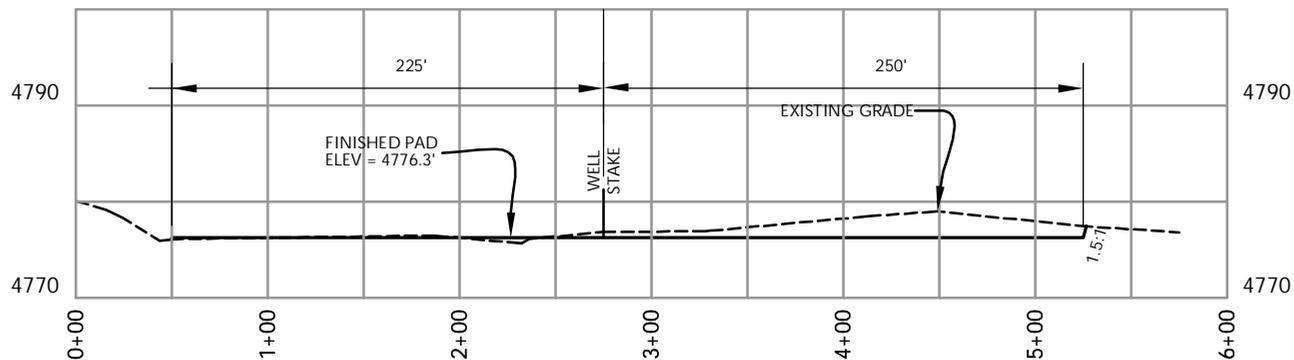


**CONSULTING, LLC**  
 371 Coffeen Avenue  
 Sheridan WY 82801  
 Phone 307-674-0609  
 Fax 307-674-0182

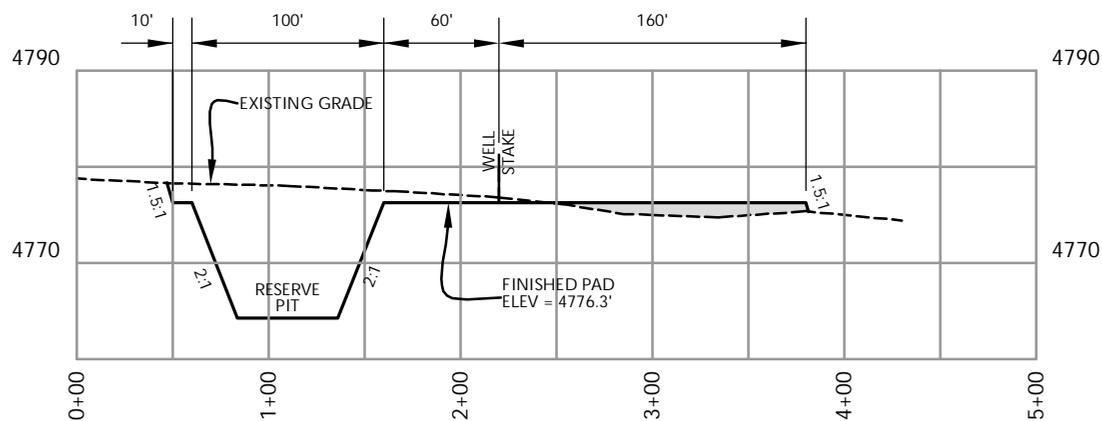
**NBU 920-14F**  
**WELL PAD - LOCATION LAYOUT**  
 2335' FNL, 2412' FWL  
 SE1/4 NW1/4, SECTION 14, T9S, R20E,  
 S.L.B.&M., Uintah County, Utah

Scale: 1"=100'	Date: 2/20/09	SHEET NO:
REVISED:	BY DATE	<b>2</b> 2 OF 9

**Timberline** (435) 789-1365  
**Engineering & Land Surveying, Inc.**  
 38 WEST 100 NORTH VERNAL, UTAH 84078



**CROSS SECTION A-A'**



**CROSS SECTION B-B'**

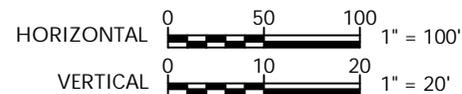
NOTE: CROSS SECTION B-B' DEPICTS  
MAXIMUM RESERVE PIT DEPTH.

**KERR-MCGEE OIL & GAS  
ONSHORE L.P.**  
1099 18th Street - Denver, Colorado 80202



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371 Coffeen Avenue  
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REVISED:	BY DATE	<b>3</b> 3 OF 9

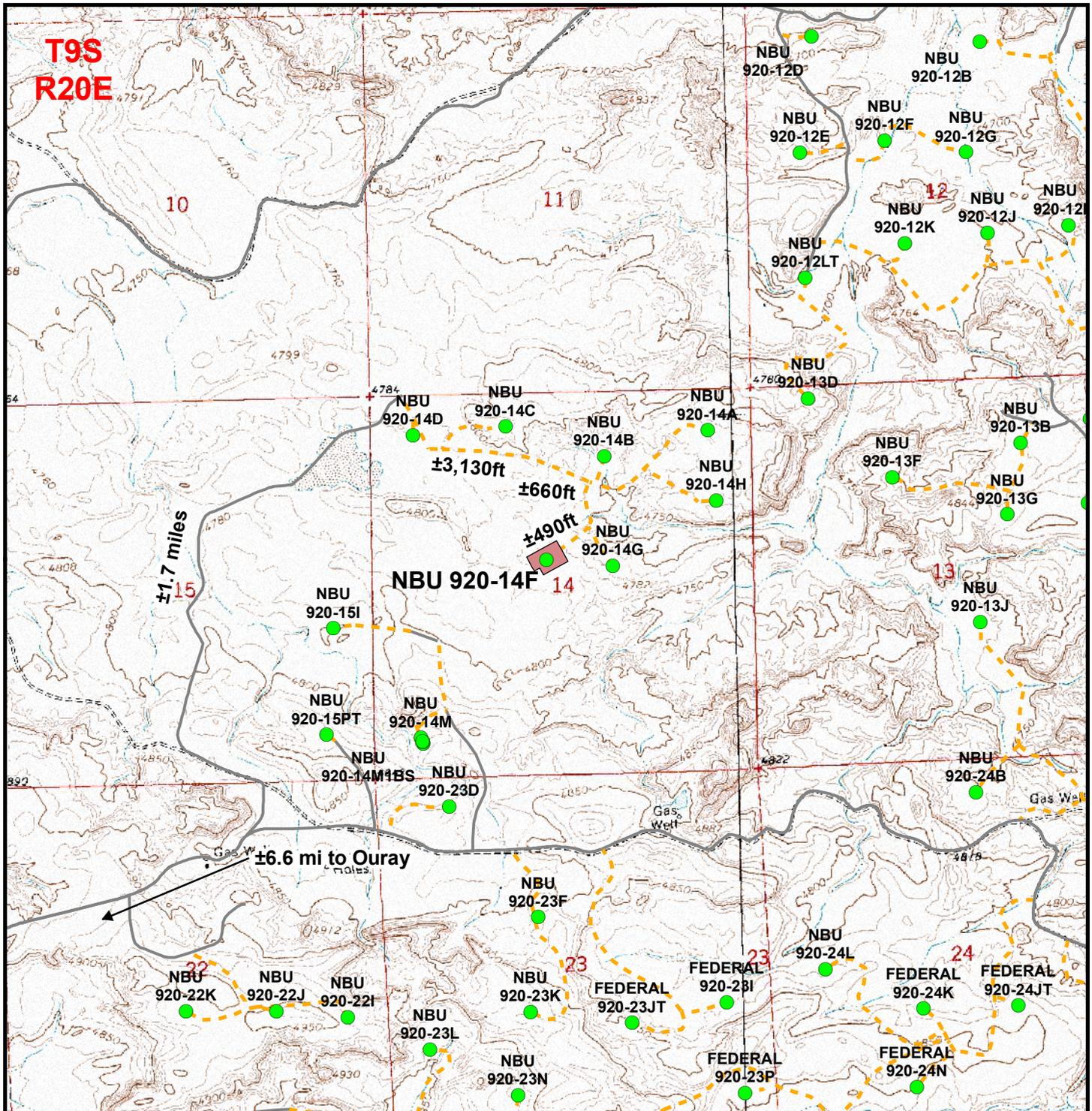


**NBU 920-14F  
WELL PAD - CROSS SECTIONS**  
2335' FNL, 2412' FWL  
SE1/4 NW1/4, SECTION 14, T9S, R20E,  
S.L.B.&M., UINTAH COUNTY, UTAH

**Timberline** (435) 789-1365  
*Engineering & Land Surveying, Inc.*  
38 WEST 100 NORTH VERNAL, UTAH 84078

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**Legend**

- Well - Proposed
- Well Pad
- Road - Proposed
- Road - Existing

Total Proposed Road Length: ±1,150ft

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street, Denver, Colorado 80202

**NBU 920-14F**  
Topo B  
2335' FNL, 2412' FWL  
SE¼ NW¼, Section 14, T9S, R20E  
S.L.B.&M., Uintah County, Utah



**609 CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan, WY 82801  
Phone (307) 674-0609  
Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central
Drawn: JELO	Date: 16 Feb 2009
Revised:	Date:

Sheet No: <b>6</b>	6 of 9
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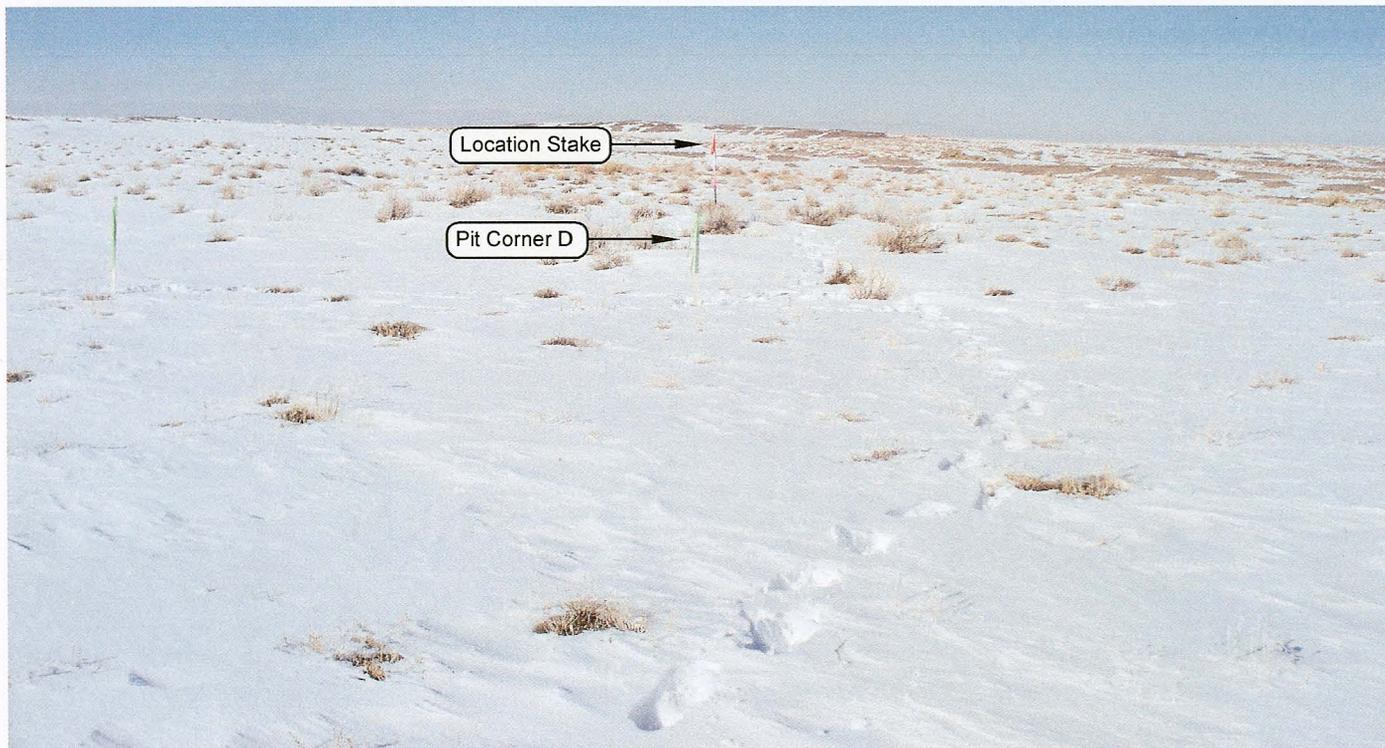


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

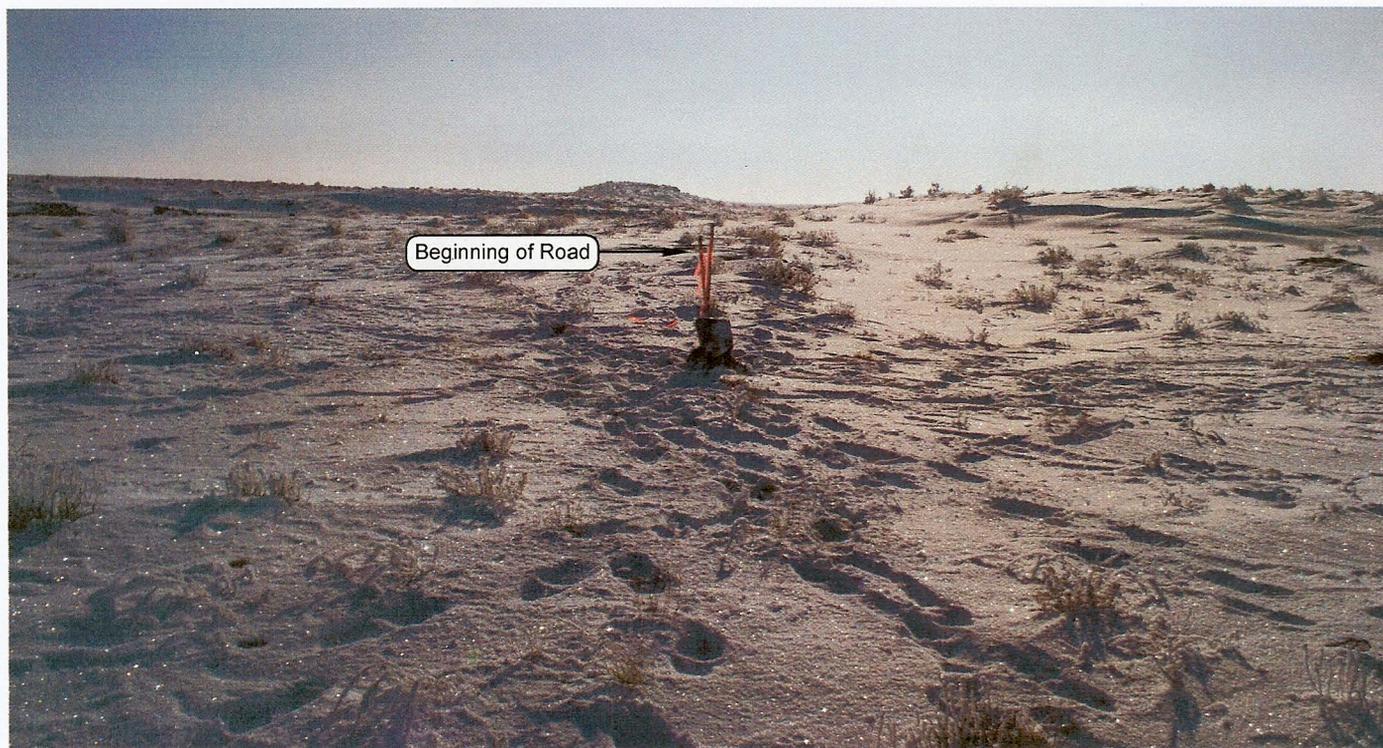


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHERLY

**Kerr-McGee  
Oil & Gas Onshore, LP**

1099 18th Street - Denver, Colorado 80202



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371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

NBU 920-14F  
2335' FNL, 2412' FWL  
SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  OF SECTION 14, T9S, R20E,  
S.L.B.&M. UINTAH COUNTY, UTAH.

<b>LOCATION PHOTOS</b>		DATE TAKEN: 01-16-09
		DATE DRAWN: 02-06-09
TAKEN BY: D.J.S.	DRAWN BY: K.K.O.	REVISED:
<b>Timberline</b> <i>Engineering &amp; Land Surveying, Inc.</i> 209 NORTH 300 WEST VERNAL, UTAH 84078		(435) 789-1365 SHEET <b>4</b> OF 9

**Kerr-McGee Oil & Gas Onshore, LP**  
**NBU 920-14F**  
**Section 14, T9S, R20E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 5.3 MILES TO THE INTERSECTION OF A SERVICE ROAD TO THE NORTHEAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG THE SERVICE ROAD APPROXIMATELY 1.3 MILES TO THE INTERSECTION OF A SECOND SERVICE ROAD TO THE NORTH. EXIT LEFT AND PROCEED IN A NORTHERLY THEN NORTHEASTERLY DIRECTION ALONG THE SECOND SERVICE ROAD APPROXIMATELY 1.7 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 4,280 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 39.8 MILES IN A SOUTHERLY DIRECTION.

**NBU 920-14F**

Surface: 2,335' FNL, 2,412' FWL (SE/4NW/4)  
Sec. 14 T9S R20E

Uintah, Utah

Mineral Lease: UTU 0577A  
Surface Owner: Ute Indian Tribe

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN  
SUBMITTED WITH SITE-SPECIFIC INFORMATION***

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) and Bureau of Indian Affairs (BIA) documents. An NOS was submitted showing the surface location in the SE/4 NW/4 of Section 14 T9S R20E.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BIA-Ft Duchesne Office.

An on-site meeting was held on June 24, 2009. Present were:

- Verlyn Pindell and Dave Gordon – BLM;
- Kolby Kay and Mitch Batty – Timberline Surveying, Inc.
- Tony Kazeck, Jeff Samuels, Raleen White, David Liddell, and Hal Blanchard – Kerr-McGee
- Bucky Secakuku – BIA
- Nick Hall – Grasslands Consulting, Inc.
- Scott Carson – Smiling Lake Consulting
- Keith Montgomery – Montgomery Archaeological Consultants, Inc.

**1. Existing Roads:**

- A) Refer to Topo Map A for directions to the location.
- B) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

**2. Planned Access Roads:**

*See MDP for additional details on road construction.*

Approximately  $\pm 0.22$  miles ( $\pm 1,150'$ ) of new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

***Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site and are typically shown on the attached Exhibits and Topo maps.***

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing and Proposed Facilities:**

*See MDP for additional details on Existing and Proposed Facilities.*

*The following guidelines will apply if the well is productive.*

**Approximately ±4,565' of pipeline is proposed. Refer to Topo D for the existing pipeline.**

Appropriate surface use agreements have been or will be obtained from the Ute Indian Tribe. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place

**5. Location and Type of Water Supply:**

*See MDP for additional details on Location and Type of Water Supply.*

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, Application number 53617. Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials:**

*See MDP for additional details on Source of Construction Materials.*

**7. Methods of Handling Waste Materials:**

*See MDP for additional details on Methods of Handling Waste Materials.*

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites:

- RNI in Sec. 5 T9S R22E
- NBU #159 in Sec. 35 T9S R21E
- Ace Oilfield in Sec. 2 T6S R20E
- MC&MC in Sec. 12 T6S R19E
- Pipeline Facility in Sec. 36 T9S R20E
- Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
- Bonanza Evaporation Pond in Sec. 2 T10S R23E

**8. Ancillary Facilities:**

*See MDP for additional details on Ancillary Facilities.*

None are anticipated.

**9. Well Site Layout: (See Location Layout Diagram)**

*See MDP for additional details on Well Site Layout.*

All pits will be fenced according to the following minimum standards:

- Net wire (39-inch) will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.
- Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.
- All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

**10. Plans for Reclamation of the Surface:**

*See MDP for additional details on Plans for Reclamation of the Surface.*

Kerr-McGee shall call the BIA for the seed mixture prior to starting interim and/or final reclamation actions.

**11. Surface/Mineral Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe  
PO Box 70  
Fort Duchesne, Utah 84026  
435-722-5141

The mineral ownership is listed below:

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
435-781-4400

**12. Other Information:**

*See MDP for additional details on Other Information.*

**13. Lessee's or Operators' Representative & Certification:**

Kathy Schneebeck Dulnoan  
Staff Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
Denver, CO 80217-3779  
(720) 929-6007

Tommy Thompson  
General Manager, Drilling  
Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
Denver, CO 80217-3779  
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

  
\_\_\_\_\_  
Kathy Schneebeck Dulnoan

July 15, 2009  
\_\_\_\_\_  
Date

CLASS I REVIEW OF KERR-MCGEE OIL AND GAS  
ONSHORE LP'S 88 PROPOSED WELL LOCATIONS  
(T9S, R20E, SECS. 1, 14, 15, 20, 21, 22, 23, 27, 29, 32, 33, 34)  
UINTAH COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared For:

Ute Indian Tribe  
Uintah and Ouray Agency

Prepared Under Contract With:

Kerr-McGee Oil and Gas Onshore LP  
1368 South 1200 East  
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 219  
Moab, Utah 84532

MOAC Report No. 08-318

March 4, 2009

United States Department of Interior (FLPMA)  
Permit No. 08-UT-60122

**Paleontological Assessment for  
Anadarko Petroleum Corp.**

**NBU 920-14F**

Ouray Quadrangle

Uintah County, Utah

Prepared for

**Anadarko Petroleum Corp.**

and

**Ute Tribe**

**Uintah and Ouray Reservation**

Prepared by

**SWCA Environmental Consultants**

SWCA #UT09-14314-16



# Grasslands Consulting, Inc.

4800 Happy Canyon Road, Suite 110, Denver, CO 80237  
(303) 759-5377 Office (303) 759-5324 Fax

## **SPECIAL STATUS PLANT AND WILDLIFE SPECIES REPORT**

**Operator:** Kerr-McGee Oil & Gas Onshore LP

**Wells:** NBU 920-14A, NBU 920-14B, NBU 920-14C, NBU 920-14D, NBU 920-14F, NBU 920-14G, NBU 920-14H, NBU 920-14K, NBU 920-14L

**Pipelines:** Associated pipelines to proposed well pads

**Access Roads:** Associated access roads to proposed well pads

**Location:** Section 14, Township 9 South, Range 20 East; Uintah County, Utah

**Survey-Species:** Uinta Basin Hookless Cactus (*Sclerocactus wetlandicus*) and nesting raptors

**Date:** 06/18/2009 and 06/22/2009

**Observer(s):** Grasslands Consulting, Inc. Biologists: Dan Hamilton, Nick Hall, Jay Slocum, Matt Kelahan, and Jonathan Sexauer. Technician: Chad Johnson

**Weather:** Partly cloudy, 65-80°F, 510 mph winds with moderate precipitation.

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

**3160  
(UT-922)**

July 17, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2009 Plan of Development Natural Buttes Unit Uintah  
County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2009 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ WASATCH-MESA VERDE)

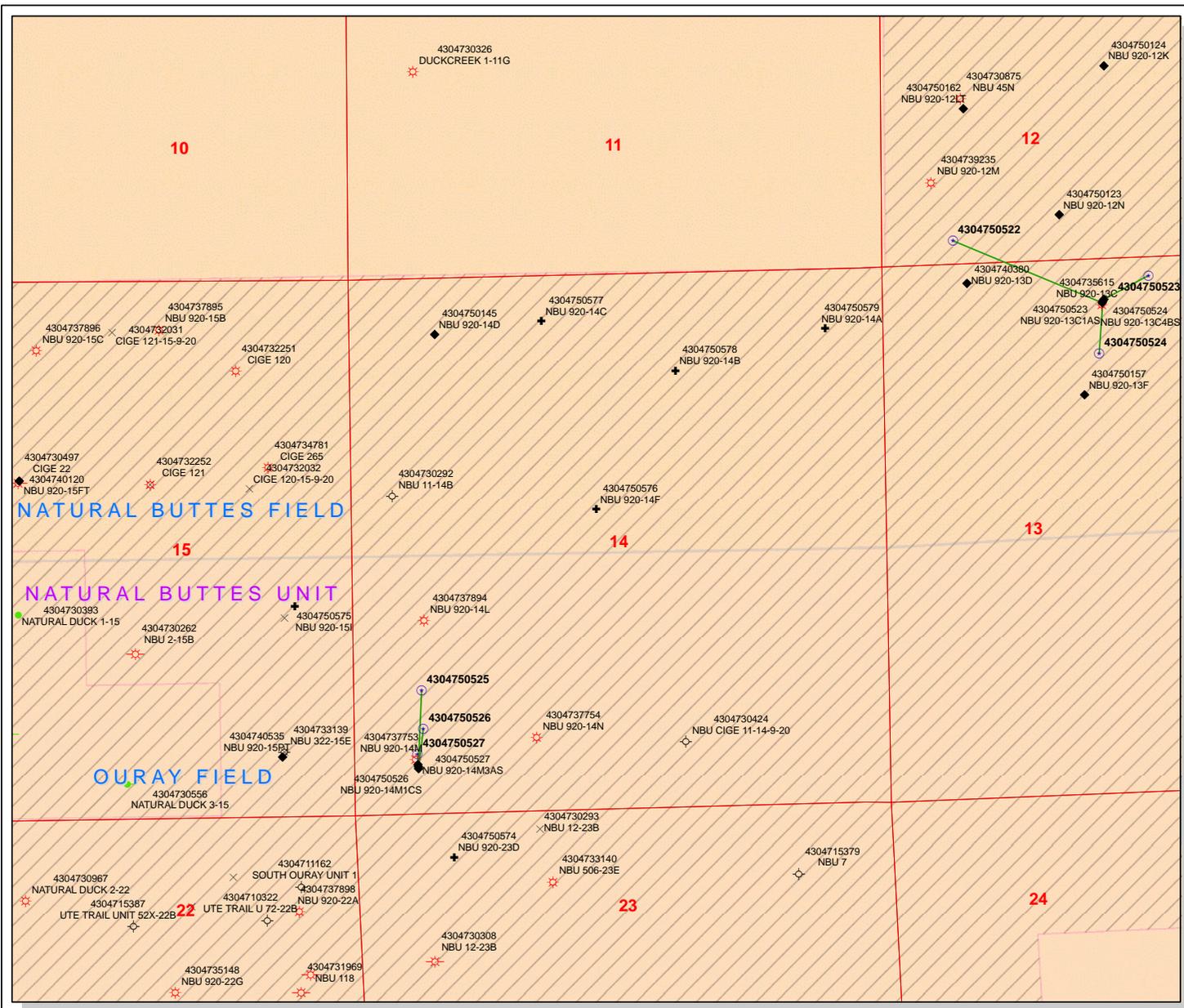
43-047-50555	NBU 920-23M	Sec 23 T09S R20E 0510 FSL 0821 FWL
43-047-50560	NBU 920-22N	Sec 22 T09S R20E 1206 FSL 2411 FWL
43-047-50562	NBU 920-20G3CS	Sec 20 T09S R20E 2011 FSL 0794 FEL
	BHL	Sec 20 T09S R20E 2580 FNL 2660 FEL
43-047-50563	NBU 920-23N	Sec 23 T09S R20E 0837 FSL 1702 FWL
43-047-50566	NBU 920-20H4CS	Sec 20 T09S R20E 1993 FSL 0786 FEL
	BHL	Sec 20 T09S R20E 2410 FNL 0650 FEL
43-047-50567	NBU 920-20I2AS	Sec 20 T09S R20E 2029 FSL 0803 FEL
	BHL	Sec 20 T09S R20E 2415 FSL 0925 FEL
43-047-50568	NBU 920-20L4CS	Sec 20 T09S R20E 0660 FSL 0849 FWL
	BHL	Sec 20 T09S R20E 1470 FSL 0675 FWL
43-047-50569	NBU 920-20M2AS	Sec 20 T09S R20E 0656 FSL 0829 FWL
	BHL	Sec 20 T09S R20E 1205 FSL 0650 FWL
43-047-50570	NBU 920-20M3AS	Sec 20 T09S R20E 0652 FSL 0810 FWL
	BHL	Sec 20 T09S R20E 0545 FSL 0660 FWL
43-047-50571	NBU 920-23F	Sec 23 T09S R20E 1988 FNL 2118 FWL
43-047-50572	NBU 920-23K	Sec 23 T09S R20E 1996 FSL 1939 FWL
43-047-50573	NBU 920-23L	Sec 23 T09S R20E 1491 FSL 0517 FWL
43-047-50574	NBU 920-23D	Sec 23 T09S R20E 0429 FNL 0967 FWL
43-047-50575	NBU 920-15I	Sec 15 T09S R20E 2071 FSL 0562 FEL
43-047-50576	NBU 920-14F	Sec 14 T09S R20E 2335 FNL 2412 FWL
43-047-50577	NBU 920-14C	Sec 14 T09S R20E 0477 FNL 1890 FWL
43-047-50578	NBU 920-14B	Sec 14 T09S R20E 0981 FNL 2071 FEL
43-047-50579	NBU 920-14A	Sec 14 T09S R20E 0589 FNL 0593 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

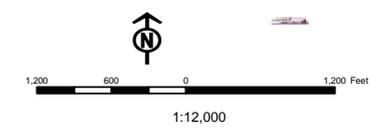
MCoulthard:mc:7-17-09



**API Number: 4304750576**  
**Well Name: NBU 920-14F**  
**Township 09.0 S Range 20.0 E Section 14**  
**Meridian: SLBM**  
 Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:  
 Map Produced by Diana Mason

<b>Units</b>	<b>Wells Query Events</b>
<b>STATUS</b>	<all other values>
ACTIVE	APD
EXPLORATORY	DRL
GAS STORAGE	GI
NF PP OIL	GS
NF SECONDARY	LA
PI OIL	NEW
PP GAS	OPS
PP GEOTHERMAL	PA
PP OIL	PGW
SECONDARY	POW
TERMINATED	RET
<b>Fields</b>	SGW
<b>STATUS</b>	SOW
ACTIVE	TA
COMBINED	TW
Sections	WD
	WI
	WS



# WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 7/16/2009

**API NO. ASSIGNED:** 43047505760000

**WELL NAME:** NBU 920-14F

**OPERATOR:** KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

**PHONE NUMBER:** 720 929-6156

**CONTACT:** Danielle Piernot

**PROPOSED LOCATION:** SENW 14 090S 200E

**Permit Tech Review:**

**SURFACE:** 2335 FNL 2412 FWL

**Engineering Review:**

**BOTTOM:** 2335 FNL 2412 FWL

**Geology Review:**

**COUNTY:** UINTAH

**LATITUDE:** 40.03621

**LONGITUDE:** -109.63429

**UTM SURF EASTINGS:** 616520.00

**NORTHINGS:** 4432460.00

**FIELD NAME:** NATURAL BUTTES

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU 0577A

**PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

**SURFACE OWNER:** 2 - Indian

**COALBED METHANE:** NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000291
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Permit #43-8496
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

**Commingle Approved**

## LOCATION AND SITING:

- R649-2-3.  
**Unit:** NATURAL BUTTES
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit  
**Board Cause No:** Cause 173-14  
**Effective Date:** 12/2/1999  
**Siting:** 460' fr u bdry & uncomm. tract
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:**  
3 - Commingle - ddoucet  
4 - Federal Approval - dmason  
17 - Oil Shale 190-5(b) - dmason



JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*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:** NBU 920-14F  
**API Well Number:** 43047505760000  
**Lease Number:** UTU 0577A  
**Surface Owner:** INDIAN  
**Approval Date:** 8/11/2009

**Issued to:**

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14. The expected producing formation or pool is the WASATCH-MESA VERDE 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

**Commingle:**

In accordance with Cause No. 173-14 commingling the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

**General:**

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

**Conditions of Approval:**

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

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

**Notification Requirements:**

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

drilling of this well:

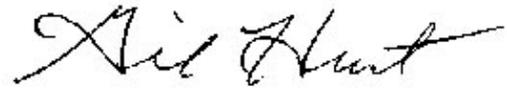
- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
- OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

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

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

**Approved By:**



Gil Hunt  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

JUL 28 2009  
m

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU0577A
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERRMCGEE OIL&GAS ONSHORE LP Contact: DANIELLE E PIERNOT Email: Danielle.Piernot@anadarko.com		7. If Unit or CA Agreement, Name and No. 891008900A
3a. Address PO BOX 173779 DENVER, CO 80202-3779		8. Lease Name and Well No. NBU 920-14F
3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156		9. API Well No. 43 047 50576
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 2335FNL 2412FWL 40.03623 N Lat, 109.63501 W Lon At proposed prod. zone SENW 2335FNL 2412FWL 40.03623 N Lat, 109.63501 W Lon		10. Field and Pool, or Exploratory NATURAL BUTTES
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 8 MILES SOUTHEAST OF OURAY, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 14 T9S R20E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2335 FEET	16. No. of Acres in Lease 2091.20	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well	13. State UT	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 800 FEET	19. Proposed Depth 10642 MD 10642 TVD	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4777 GL	22. Approximate date work will start 08/03/2009	23. Estimated duration 60-90 DAYS

24. Attachments

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) DANIELLE E PIERNOT Ph: 720-929-6156	Date 07/16/2009
--	---	--------------------

Title  
REGULATORY ANALYST

Approved by (Signature) <i>Stephanie J Howard</i>	Name (Printed/Typed) Stephanie J Howard	Date 11/19/09
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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

Additional Operator Remarks (see next page)

Electronic Submission #72253 verified by the BLM Well Information System  
For KERRMCGEE OIL&GAS ONSHORE LP, sent to the Vernal  
Committed to AFMSS for processing by GAIL JENKINS on 07/20/2009 ()

NOTICE OF APPROVAL

NOV 30 2009



NOS and posted 11/19/09

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

096XJ5415AE NO NOS

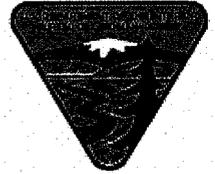


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

Company:	Kerr McGee Oil & Gas Onshore	Location:	SEW, Sec. 14, T9S, R20E
Well No:	NBU 920-14F	Lease No:	UTU-0557A
API No:	43-047-50576	Agreement:	Natural Buttes Unit

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

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

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

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

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**Site-Specific Conditions of Approval:**

- Paint facilities "shadow gray."
- Utilize pit-run/gravel for well pad and access road support.
- Monitor location by a permitted archaeologist during the construction process.
- In accordance with the guidelines specified in the Utah BLM Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix D), a raptor survey shall be conducted prior to construction of the proposed location, pipeline, or access road if construction will take place during raptor nesting season (January 01 through September 30) and conduct its operations according to specification in the guidelines.
- If project construction operation are scheduled to occur after June 18, 2010, KMG will conduct additional biological surveys in accordance with the guidelines specified I the USFWS Rare Plant Conservation Measures for Uinta Basin hookless cactus (See Appendix D) and conduct its operation according to its specifications.

**BIA Standard Conditions of Approval:**

- Soil erosion will be mitigated by reseeding all disturbed areas.
- The gathering pipelines will be constructed to lie on the surface. The surface pipelines will not be bladed or cleared of vegetation. Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way. Where pipelines do not parallel roads but cross-country between sites, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.
- An open drilling system shall be used, unless otherwise specified in 10.0 Additional Stipulations of this document and in the Application for Permit to Drill. A closed drilling system shall be sued in all

flood plain areas, and other highly sensitive areas, recommended by the Ute Tribe Technician, BIA, and other agencies involved.

- The reserve pit shall be lined with a synthetic leak proof liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed the pit shall be backfilled a minimum of 3.0' below the soil surface elevation.
- A closed production system shall be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.
- Major low water crossings will be armored with pit run material to protect them from erosion.
- All personnel shall refrain from collecting any paleontological fossils and from disturbing any fossil resources in the area.
- If fossils are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.
- Before the site is abandoned the company will be required to restore the right-of-way to near its original state. The disturbed area will be reseeded with desirable perennial vegetation. If necessary, the Bureau of Indian Affairs or Bureau of Land Management will provide a suitable seed mixture.
- Noxious weeds will be controlled on all surface disturbances within the project area. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.
- If project construction operations are scheduled to occur after December 31, 2009, KMG shall conduct annual raptor surveys in accordance with the guidelines specified in the Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix E) and conduct its operations according to applicable seasonal restrictions and spatial offsets.
- USFWS threatened and endangered plant and animal conservation measures will be followed, as appropriate to the species identified by the biological resource survey (See Appendix E).
- All personnel shall refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
- If artifacts or any culturally sensitive materials are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- A Gamma Ray Log shall be run from TD to surface.

**Variances Granted:**

**Air Drilling:**

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L.P.

Well Name: NBU 920-14F

Api No: 43-047-50576 Lease Type: FEDERAL

Section 14 Township 09S Range 20E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

**SPUDDED:**

Date 12/27/2009

Time 8:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JAMES GOBEL

Telephone # (435) 828-7024

Date 01/06/2010 Signed CHD

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A
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<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute Tr
	<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047505760000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> <b>SPUD REPORT</b> Date of Spud: 12/27/2009	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'.  
 RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CMT W/28 SX READY MIX  
 SPUD WELL LOCATION ON 12/27/2009 AT 08:00 HRS.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 06, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/6/2010	

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

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
 Address: P.O. Box 173779  
city DENVER  
state CO zip 80217 Phone Number: (720) 929-6100

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750576	NBU 920-14F		SENW	14	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	12/27/2009		<i>1/12/2010</i>		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 12/27/2009 AT 08:00 HRS.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750577	NBU 920-14C		NENW	14	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	12/30/2009		<i>1/12/2010</i>		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 12/30/2009 AT 10:00 HRS.							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750803	NBU 921-27B3BS		NENE	27	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	1/2/2010		<i>1/12/2010</i>		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 01/02/2010 AT 08:00 HRS. <i>B HL = NWNE</i>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

ANDY LYTLE

Name (Please Print)

*[Signature]*  
Signature

REGULATORY ANALYST

Title

*1/6/2010*

Date

**RECEIVED**

**JAN 06 2010**

**DIVISION OF OIL, GAS AND MINING**

***SPUDDING INFORMATION***

*AMENDED*

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L. P.**

Well Name: **NBU 920-14F**

Api No: **43-047-50576** Lease Type: **FEDERAL**

Section **14** Township **09S** Range **20E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

**SPUDDED:**

Date **01/21/2010**

Time **10:00 AM**

How **DRY**

***Drilling will Commence:*** \_\_\_\_\_

Reported by **JAMES GOBER**

Telephone # **(435) 828-7024**

Date **01/21//2010** Signed **CHD**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A
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<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute Tr  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
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<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047505760000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH  <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"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<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 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 type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input checked="" type="checkbox"/> <b>SPUD REPORT</b> Date of Spud: 1/21/2010			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

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

PLEASE BE ADVISED THAT THIS IS A REVISED SPUD SUNDRY. THE ORIGINAL SPUD DATE WAS MISREPORTED. THE CORRECT SPUD DATE FOR THIS WELL IS 01/21/2010 AT 10:00 HRS. MIRU PETE MARTIN BUCKET RIG DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" SCHEDULE 10 PIPE. CM W/28 SX READY MIX. SPUD WELL LOCATION ON 01/21/2010 AT 10:00 HRS.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 January 21, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/21/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute Tr  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047505760000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext  <b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH  <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"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> 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"/> <b>DRILLING REPORT</b> Report Date: 1/30/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

MIRU PROPETRO AIR RIG ON 1/27/2009. DRILLED 11" SURFACE HOLE TO 2780'. RAN 8-5/8" 28# J-55 SURFACE CASING. TEST LINES TO 2000' PSI, PUMP 155 BBLS OF H2O, PUMP 20 BBLS OF GEL WATER. LEAD CMT W/210 CLASS G HI FILL @11.0 PPG, 3.82 YIELD. TAILED CMT W/175 SX CLASS PREM LITE @15.8 PPG, 1.15 YIELD. DROP PLUG ON FLY AND DISPLACE W/166.6 BBLS OF WATER. 30 BBLS OF LEAD TO SURFACE W/490 PSI OF LIFT @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT, FLOAT HELD. PUMP TOP OUT #1 W/100 SX 1.15 YIELD CEMENT DOWN 1". CEMENT FELL BACK 90'. WAIT 1.5 HR PUMP TOP OUT #2 W/75 SX SAME CEMENT. CEMENT TO SURFACE AND STAYED. WORT

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 04, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/3/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A	

<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute Tr
<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES	

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047505760000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH
<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"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<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"/> <b>PRODUCTION START OR RESUME</b> <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 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: 4/10/2010			

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 4/10/2010 AT 2:00 P.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 14, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/12/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A
---	--

<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute Tr  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
--	--

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047505760000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
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<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: 3/17/2010			

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

FINISHED DRILLING FROM 2780' TO 10,700' ON 3/15/2010. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. START 40 BBLS WATER SPACER. LEAD CMT W/637 SKS CLASS G PREM LITE @ 12.7 PPG, 1.89 YLD. TAILED CMT W/293 SKS CLASS G 50/50 POZ MIX @ 14.3 PPG 1.31 YLD. DROP PLUG DISPLACE W/165 BBLS CLAYTREAT WATER, BUMP PLUG W/3950 PSI, FINAL LIFT PSI OF 3350, EST TOP OF TAIL 4500', FULL RETURNS THROUGHOUT JOB W/ 45 BBLS CEMENT TO PITS, 2.5 BBLS BACK TO TRUCK. L/D LANDING JT. N/D BOP. CLEAN PITS. RELEASE PIONEER 69 RIG ON 3/17/2010 AT 22:00 HRS.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 March 18, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/18/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A	

<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute Tr
<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES	

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047505760000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH
<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"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<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"/> <b>PRODUCTION START OR RESUME</b> <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 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: 4/10/2010			

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 4/10/2010 AT 2:00 P.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 14, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/12/2010	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU0577A

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

2. Name of Operator: KERR-MCGEE OIL&GAS ONSHORE  
 Contact: ANDY LYTLE  
 Email: andrew.lytle@anadarko.com

3. Address: P.O. BOX 173779  
 DENVER, CO 80217

3a. Phone No. (include area code)  
 Ph: 720-929-6100

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface: SENW 2335FNL 2412FWL 40.03623 N Lat, 109.63501 W Lon  
 At top prod interval reported below: SENW 2335FNL 2412FWL 40.03623 N Lat, 109.63501 W Lon  
 At total depth: SENW <sup>2436</sup>2335FNL <sup>2418</sup>2412FWL 40.03623 N Lat, 109.63501 W Lon

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
 UTU63047A

8. Lease Name and Well No.  
 NBU 920-14F

9. API Well No.  
 43-047-50576

10. Field and Pool, or Exploratory  
 NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey  
 or Area: Sec 14 T9S R20E Mer SLB

12. County or Parish  
 UINTAH

13. State  
 UT

14. Date Spudded  
 01/21/2010

15. Date T.D. Reached  
 03/15/2010

16. Date Completed  
 D & A  Ready to Prod.  
 04/10/2010

17. Elevations (DF, KB, RT, GL)\*  
 4777 GL

18. Total Depth: MD 10700  
 TVD 10694.6

19. Plug Back T.D.: MD 10649  
 TVD 10648.5

20. Depth Bridge Plug Set: MD  
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
 GR-CBL  HDIL  ZDL-CN

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

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
20.000	14.000 STEEL	36.7		40		28			
11.000	8.625 J55	28.0		2755		560			
7.875	4.500 I80	11.6		10693		1930		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	10161							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8752	10560	8752 TO 10560	0.360	278	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
8752 TO 10560	PMP 9,833 BBLs SLICK H2O & 384,410 LBS 30/50 SD.

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

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
04/10/2010	04/11/2010	24	→	5.0	3231.0	480.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 1993	2847.0	→	5	3231	480		PGW	

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #86064 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
 \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*  
 RECEIVED  
 MAY 11 2010  
 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(Sold, used for fuel, vented, etc.)  
SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1717 2507 5174 8493	8490 10700	TD		

32. Additional remarks (include plugging procedure):  
ATTACHED IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

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

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

**Electronic Submission #86064 Verified by the BLM Well Information System.  
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (please print) ANDY LYTLE Title REGULATORY ANALYST

Signature  (Electronic Submission) Date 05/05/2010

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F	Spud Conductor: 1/21/2010	Spud Date: 1/27/2010
Project: UTAH-UINTAH	Site: NBU 920-14F	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 1/20/2010	End Date: 3/17/2010
Active Datum: RKB @4,795.00ft (above Mean Sea Leve		
UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/27/2010	5:30 - 12:00	6.50	MIRU	01	B	P		MOVE ON TO LOCATION, DRESS CONDUCTOR, INSTALL AIR BOWL, RIG UP RIG, BUILD DITCH, RIG UP AIR PACKAGE, RIG UP PUMP. THAW ICE ON PIT WITH WARM WATER. PRIME PUMPS, P/U STRAIGHT MOTOR .16 RPG SN 8069, M/U 11" Q507 SN 7018944 (2ND RUN)
	12:00 - 0:00	12.00	DRLSUR	02	B	P		DRILL 44'-1380' (1336', 111'/HR) SPUD 1/27/2010 12:00 WOB 5-25K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1500/1200 UP/DOWN/ROT=65/63/64 1K DRAG
1/28/2010	0:00 - 1:30	1.50	DRLSUR	02	B	P		DRILL 1380'-1530' (150', 100'/HR) WOB 25K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1500/1200 UP/DOWN/ROT=65/63/64 1K DRAG
	1:30 - 2:00	0.50	DRLSUR	10	B	P		RUN MULTISHOT WIRELINE SURVEY TOOL. SURVEY DEPTH 1470'= .8 DEG CORRECTED AZI= 138.7
	2:00 - 20:00	18.00	DRLSUR	02	B	P		DRILL 1530'- 2780' (1250',70'/HR) TD 1/28/2010 20:00 WOB 25-30K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1300/1600 UP/DOWN/ROT=75/66/70 5K DRAG FULL CIRC THROUGH OUT DRILLING.
	20:00 - 21:30	1.50	CSG	05	F	P		CIRC AND CLEAN HOLE W/ POLYMER SWEEPS. FULL CIRC.
	21:30 - 22:30	1.00	DRLSUR	10	B	P		SURVEY W/ MULTISHOT WIRELINE TOOL/ SURVEY DEPTH 2720'=5.3 DEG 87 CORRECTED AZI. RAN SECOND SURVEY 5.7 DEG @ 76.4 DEG. LDDS.
	22:30 - 0:00	1.50	CSG	06	D	P		LDDS, LD BHA, MONEL, BREAK BIT.
1/29/2010	0:00 - 3:00	3.00	CSG	06	D	P		RUN 62 JTS OF 8-5/8" 32# IJ-55 W/ 8RD LTC THREADS AND LAND FLOAT SHOE 2741' KB. RAN BAFFLE PLATE IN TOP OF SHOE JT LANDED @ 2694' KB. FILL CSG 800' AND 1700'. RUN 200' OF 1" PIPE DOWN BACKSIDE.
	3:00 - 7:00	4.00	CSG	12	C	P		RIG DOWN RIG. RELEASE RIG 1/29/2010 07:30
	7:00 - 7:30	0.50	RDMO	01	E	P		TEST LINES TO 2000' PSI, PUMP 155 BBLS OF H2O , PUMP 20 BBLS OF GEL WATER. PUMP 210 (142.8 BBLS) SX OF 11#, 3.82 YD, 23 GAL SX HI FILL LEAC CEMENT. PUMP 175 SX (35.8 BBLS) OF 15.8#, 1.15 YD, 5 GAL/SK TAIL CEMENT, DROP PLUG ON FLY AND DISPLACE W/ 166.6 BBLS OF 8.3# H2O, 30 BBLS OF LEAD TO SURFACE W/ 490 PSI OF LIFT @ 5 BBLS/MIN. W/ LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP 100 SX (20.9 BBLS) OF 4% CALC 15.8# 1.15 YD, 5 GAL/SK CEMENT DOWN 1". CEMENT FELL BACK 90'. WAIT 1.5 HR PUMP 75 SX 15.1 BBL TO FILL TO SURFACE. CEMENT TO SURFACE AND STAYED
	7:30 - 11:30	4.00	CSG	12	E	P		RDRT, MOVE FRONT YARD, PIPE TUBS, DCS, PIPE RACKS, UPRIGHTS
3/4/2010	12:30 - 0:00	11.50	DRLPRO	01	E	P		RDRT
3/5/2010	0:00 - 7:00	7.00	DRLPRO	01	E	P		RDRT

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F      Spud Conductor: 1/21/2010      Spud Date: 1/27/2010  
 Project: UTAH-UINTAH      Site: NBU 920-14F      Rig Name No: PIONEER 69/69, PROPETRO/  
 Event: DRILLING      Start Date: 1/20/2010      End Date: 3/17/2010  
 Active Datum: RKB @4,795.00ft (above Mean Sea Leve)      UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 0:00	17.00	DRLPRO	01	B	P		MIRU,SET IN RIG,SCOPE UP SUB,RAISE & SCOPE DERRICK,R/U FLOOR,STEAM,AIR,WATER,PUMPS,PITS,FLARE LINES,TRUCKS ,4 BED,2 HAUL,2 FORKLIFTS & J&C CRANE ON LOC @ 0700,TRUCKS RELEASED @ 12:00 CRANE RELEASED @ 13:00,GRADER ASSISTED ON MOVE TO PULL TRUCKS UP HILL,ROADS MUDDY
3/6/2010	0:00 - 2:00	2.00	DRLPRO	01	B	P		FINISH RURT,ELECTRICAL,PASON,MUD PITS,MISC
	2:00 - 7:00	5.00	DRLPRO	14	A	P		N/U BOP
	7:00 - 12:00	5.00	DRLPRO	15	A	P		S/M W/ RIG CREW & B&C QUICK TEST,R/U ,TEST BOP,TEST FLOOR VALVES,UPPER&LOWER KELLY VALVES,INSIDE& OUTSIDE CHOKE&KILL LINE VALVES,HCR,CHOKE MANIFOLD,PIPE& BLIND RAMS TO 250 F/ 5 MIN,5000 F/ 10 MIN,ANNULAR 250-2500,CASING 1500 F/ 30 MIN,R/D B&C QUICK TEST
	12:00 - 13:00	1.00	DRLPRO	14	B	P		INSTALL WEAR RING,LAY OUT & STRAP BHA
	13:00 - 19:00	6.00	DRLPRO	06	A	P		S/M W/ RIG & KIMZEY R/U & P/U BIT,,208 1.5 DEG MOTOR,DIR TOOLS ( SCRIBE MWD ) BHA & 65 JTS DP,R/D KIMZEY
3/7/2010	19:00 - 0:00	5.00	DRLPRO	09	A	P		CHANGE OUT DRLG LINE, SLIP ON NEW SPOOL
	0:00 - 1:00	1.00	DRLPRO	14	B	P		INSTALL DRLG RUBBER & DRIVE BUSHINGS,SECURE STACK,PRESPOD INSPECTION
	1:00 - 5:00	4.00	DRLPRO	02	F	P		DRILL CMT, F.E & OPEN HOLE TO 2794'
	5:00 - 16:00	11.00	DRLPRO	02	B	P		SPUD @ 05:00 3/7/2010, DRILL ,SLIDE & SURVEY F/ 2794' TO 3715', 921',83.7 FPH,WOB 18,RPM 55,MMRPM 98,SPM 125,GPM 473, UP/SO/ROT 105-90-100 ,ON/OFF 1350-1000,DIFF 250-380, WATER W/ GEL & POLY SWEEPS,SLIDE 2898-2908,2989-2994,3084-3094,3179-3194-3273-32 3,3368-3378,3462-3472,3557-3567,3652-3667, RIG SERVICE ,CHECK CROWN O MATIC
	16:00 - 16:30	0.50	DRLPRO	07	A	P		DRILL & SURVEY F/ 3715' TO 4430' ,715',95.3, WOB 18,RPM 50,MMRPM 98,SPM 120,GPM 454,UP/SO/ROT 120-105-110,ON/OFF 1400-1150,DIFF 250-375,WATER W/ GEL & POLY SWEEPS,SLIDES
	16:30 - 0:00	7.50	DRLPRO	02	B	P		3841-3856,3968-3983,4094-4109,4220-4235 DRILL,SLIDE & SURVEY F/ 4430' TO 5612' ,1182',84.4 FPH,WOB 18,RPM 55,MMRPM 94,SPM 120,GPM 454,UP/SO/ROT 150-120-132,ON/OFF 1500-1200,DIFF 250-375,WATER W/ GEL & POLY SWEEPS, SLIDES 4442-4457,4663,4678,4789-4804,4884-4911,5011-50 6,5106-5121,5200-5215,5295-5310,5390-5405,5485-5 500,5580-5595
3/8/2010	0:00 - 14:00	14.00	DRLPRO	02	B	P		RIG SERVICE,INSPECT BRAKE LINKAGE
	14:00 - 14:30	0.50	DRLPRO	07	A	P		DRILL & SURVEY F/ 5612' TO 6646,1034',108.8 FPH , WOB 18,RPM 50-55,MMRPM 94,SPM 120,GPM 454,UP/SO/ROT 180-145-150,ON/OFF 2000- 1650,DIFF 250-475,WATER W/ GEL & POLY SWEEPS ,START MUD UP @ 6300',SLIDE 5959-5974
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 6466' TO 7351' 885',63.2 FPH,WOB 18,RPM 50-55,MMRPM 94,SPM 120,GPM 454,UP/SO/ROT 185-120-153,ON/OFF 2050-1700,DIFF 200-350,MW 10.6,VIS 42,SLIDE 5959-5974
3/9/2010	0:00 - 14:00	14.00	DRLPRO	02	B	P		

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F		Spud Conductor: 1/21/2010		Spud Date: 1/27/2010	
Project: UTAH-UINTAH		Site: NBU 920-14F		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 1/20/2010		End Date: 3/17/2010	
Active Datum: RKB @4,795.00ft (above Mean Sea Level) UWI: NE/NW/O/S/20/E/14/O/0/26/PM/N/2,335.00/W/O/2,412.00/O/0					

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE ,FUNCTION PIPE RAMS & ANNULARS
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 7351' TO 7629' 278' ,29.2 FPH,MW 10.7,VIS 43 ,WOB 20-22,RPM 45,MMRPM 90,SPM 115,GPM 435,UP/SO/DN 190-130-156,ON/OFF 2150-1800,DIFF 175-325,SLIDES 7446-7461,7541-7556
3/10/2010	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRILL F/ 7629' TO 7640'
	0:30 - 2:30	2.00	DRLPRO	08	A	Z		RIG REPAIR, #2 LIGHT PLANT WENT DOWN DUE TO FUEL THEN BATTERIES WERE DEAD ,ATTEMPTED TO BRING #1 LP ON LINE WOULD NOT STAY RUNNING,FOUND THAT KILL SWITCH WAS FAULTY
	2:30 - 14:00	11.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 7640' TO 7952' 312',27.1 FPH, MW 11,VIS 49, WOB 20-22,RPM 45,MMRPM 90,SPM 115,GPM 435,UP/SO/DN 185-135-160,ON/OFF 2200-1900,DIFF 180-325 SLIDE 7730-7742
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE,FUCTION HCR & SUPER CHOKE
	14:30 - 15:00	0.50	DRLPRO	08	A	Z		MORTON ELECTRIC WORKING ON AIR COMPRESSORS
	15:00 - 0:00	9.00	DRLPRO	02	A	P		DRILL & SURVEY F/ 7952' TO 8278' 326',36.2 FPH,MW 11,VIS 43,WOB 20-23,RPM 45-50,MMRPM 90,SPM 115,GPM 435,UP/SO/DN 200-150-165,ON/OFF 2325,2000,DIFF 125-400
3/11/2010	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRILL F/ 8278' TO 8710' ( 432 @ 32' HR ) MW 11.5,VIS 41,WOB 20-23,RPM 45-50,MMRPM 90,SPM 115,GPM 435,UP/SO/DN 200-150-170,ON/OFF 2250-1950,DIFF 150-400
	13:30 - 14:00	0.50	DRLPRO	07	A	P		RIG SERVICE,INSPECT BRAKE LINKAGE
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRILL F/ 8710' TO 9007' ( 297' @ 29.7' HR ) MW 11.7,VIS 40,WOB 20-24,RPM 40-50,MMRPM 90,SPM 115,GPM 435,UP/SO/DN 220-155-175,ON/OFF 2475-2100,DIFF 125-375
3/12/2010	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRILL F 9007' TO 9436' ( 429' @ 28.6' HR ) MW 11.8,VIS 43,WOB 20-24,,RPM 45-50,MMRPM 87,SPM 110,GPM 416,UP/SO/ROT 220-150-177,ON/OFF 2450-2100,DIFF 125-350
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRILL F/ 9436' TO 9657'( 221"@ 26' HR) MW 12,VIS 43,WOB 20-23,RPM 45-50,MMRPM 87,SPM 110,GPM 416 UP/SO/ROT 225-160-185,ON/OFF 2474-2150,,DIFF 125-350
3/13/2010	0:00 - 11:30	11.50	DRLPRO	02	B	P		DRILL F/ 9657' TO 9942' ( 285' @ 24.8' HR ) MW 12.1,VIS 45,WOB 20-24,RPM 35-50,MMRPM 87,SPM 110,GPM 416, UP/SO/ROT 225-150-190,ON/OFF 2475-2250,DIFF 150-380,LOST 60 BBLS @ 9870' MD LCM TO 3 % W/ SHAKERS BYPASSED
	11:30 - 12:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	12:00 - 12:30	0.50	DRLPRO	05	C	P		MIX & PUMP PILL, BLOW KELLY OUT
	12:30 - 20:00	7.50	DRLPRO	06	A	P		TFNB ,TIGHT 4526' TO 4446' ,L/D DIRECTIONAL TOOLS,MOTOR & BIT
	20:00 - 22:30	2.50	DRLPRO	06	A	P		P/U NEW Q506F BIT, .16 STRAIGHT MOTOR,MONEL DC ,TIH TO SHOE,FILL PIPE CUT & SLIP 80' DRLG LINE
3/14/2010	22:30 - 0:00	1.50	DRLPRO	09	A	P		TIH F/ SHOE,TAG @ 5190' , (DAYLIGHT SAVINGS TIME)
	0:00 - 3:00	2.00	DRLPRO	06	A	P		TIH TAG @ 5190' , (DAYLIGHT SAVINGS TIME)
	3:00 - 4:30	1.50	DRLPRO	03	A	S		WASH THROUGH BRIDGE F/ 5190' TO 5288'
	4:30 - 7:00	2.50	DRLPRO	06	A	P		TIH TAG @ 9430'
	7:00 - 8:30	1.50	DRLPRO	03	A	S		WASH THOUGH BRIDGE F/ 9430' TO 9507'

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F	Spud Conductor: 1/21/2010	Spud Date: 1/27/2010
Project: UTAH-UINTAH	Site: NBU 920-14F	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 1/20/2010	End Date: 3/17/2010
Active Datum: RKB @4,795.00ft (above Mean Sea Leve) UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:30 - 9:00	0.50	DRLPRO	06	A	P		FINISH TIH 5 STANDS
	9:00 - 9:30	0.50	DRLPRO	03	D	P		WASH 58' TO BTM
	9:30 - 11:00	1.50	DRLPRO	02	B	P		DRILL F/ 9942' TO 9979' ( 37' @ 24.6' HR )
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	11:30 - 0:00	12.50	DRLPRO	02	B	P		DRILL F/ 9979' TO 10285' (306' @ 24.4' HR ) MW 12.6,VIS 41,WOB 20-22,RPM 45-55,MMRPM 64,SPM 105,GPM 398,UP/SO/DN 210-170-185,ON/OFF 2400-2100,DIFF 125-400
3/15/2010	0:00 - 12:30	12.50	DRLPRO	02	B	P		DRILL F/ 10285' TO 10547' (262' @ 20.9' HR ) MW 12.7,VIS 40,WOB 20-22,RPM 45-55,MMRPM 64,SPM 105,GPM 398,UP/SO/ROT 220-170-190,ON/OFF 2475-2200,DIFF 150-380
	12:30 - 13:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:00 - 20:30	7.50	DRLPRO	02	B	P		DRILL F/ 10547' TO 10700' TD @ 20:30,3/15/2010,(153' @ 20.4' HR ) ,MW 12.7,VIS 40,WOB 20-23,RPM 45-50,MMRPM 64,SPM 105,GPM 398,UP/SO/ROT 230-165-190,ON/OFF 2500-2300,DIFF 150-380
	20:30 - 22:30	2.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP,PUMP PILL,BLOW OUT KELLY
3/16/2010	22:30 - 0:00	1.50	DRLPRO	06	E	P		SHORT TRIP TO SHOE
	0:00 - 3:00	3.00	DRLPRO	06	E	P		SHORT TRIP TO SHOE, TIGHT @ 4478'
	3:00 - 4:00	1.00	DRLPRO	06	E	P		TIH TAG @ 4478'
	4:00 - 5:00	1.00	DRLPRO	03	A	S		WASH F/ 4478' TO 4510'
	5:00 - 8:00	3.00	DRLPRO	06	E	P		TIH ,WASH 25' TO BTM
	8:00 - 10:00	2.00	DRLPRO	05	C	P		CIRC F/ LDDP ,S/M W/ KIMZEY & R/U SAME,DROP SURVEY,PUMP PILL
	10:00 - 19:30	9.50	DRLPRO	06	A	P		LDDP,BREAK KELLY,LD BHA, PULL WEAR BUSHING
	19:30 - 0:00	4.50	DRLPRO	11	C	P		SAFETY MEETING W/ BAKER ATLAS R/U & RUN TRIPLE COMBO,LOGGERS DEPTH 10700',LOG OUT
3/17/2010	0:00 - 1:00	1.00	DRLPRO	11	C	P		FINISH LOGGING ,R/D BAKER ATLAS
	1:00 - 2:00	1.00	DRLPRO	12	A	P		SAFETY MEETING W/ KIMZEY CASING & RIG CREW,R/U CASERS
	2:00 - 10:30	8.50	DRLPRO	12	C	P		RUN 254 JTS 4.5 11.6 PROD CASING( 27 JTS P-110 / 227 JTS I-80 ) TO 10693'
	10:30 - 11:30	1.00	DRLPRO	03	E	P		WASH TO BOTTOM
	11:30 - 13:00	1.50	DRLPRO	05	D	P		CIRC OUT GAS
	13:00 - 16:00	3.00	DRLPRO	12	E	P		HPJSM W/ RIG & BJ, PSI TEST LINES TO 4500, START 40 BBLs WATER SPACER, LEAD 214 BBLs 637 SKS 12.7 PPG 1.89 YLD, TAIL 301 BBLs 1293 SKS 14.3 PPG 1.31 YLD, DROP PLUG & DISPLACE W/ 165 BBLs CLAYTREAT WATER, BUMP PLUG W/ 3950 PSI, FINAL LIFT PSI OF 3350, EST TOP OF TAIL 4500', FULL RETURNS THOUGHOUT JOB W/ 45 BBLs CEMENT TO PITS, 2.5 BBLs BACK TO TRUCK, PLUG BACK 10,649', FLUSH STACK, DRAIN UPRIGHTS
	16:00 - 16:30	0.50	DRLPRO	14	B	P		L/D LANDING JT P/U & SET PACK OFF
	16:30 - 22:00	5.50	DRLPRO	14	A	P		N/D BOPE, CLEAN PITS RELEASE RIG TO NBU 920-14H 3/17/10 22:00

**US ROCKIES REGION**

**Operation Summary Report**

Well: NBU 920-14F		Spud Conductor: 1/21/2010		Spud Date: 1/27/2010	
Project: UTAH-UINTAH			Site: NBU 920-14F		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING			Start Date: 1/20/2010		End Date: 3/17/2010
Active Datum: RKB @4,795.00ft (above Mean Sea Level)			UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
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22:00 - 22:00      0.00      DRLPRO      01      B      P

CONDUCTOR CASING:  
 Cond. Depth set: 44  
 Cement sx used:

SPUD DATE/TIME: 1/27/2010 12:00

SURFACE HOLE:  
 Surface From depth:44  
 Surface To depth: 2,794  
 Total SURFACE hours: 26.50  
 Surface Casing size:8 5/8  
 # of casing joints ran: 62  
 Casing set MD:2,755.0  
 # sx of cement:560  
 Cement blend (ppg):LEAD 11.0,TAIL15.8,TOPOUT 15.8  
 Cement yield (ft3/sk): LEAD 1.15,TAIL 3.82,TOPOUT 1.15  
 # of bbls to surface: 30 BBLS LEAD  
 Describe cement issues:  
 Describe hole issues:

PRODUCTION:  
 Rig Move/Skid start date/time: 3/4/2010 12:30  
 Rig Move/Skid finish date/time:3/6/2010 2:00  
 Total MOVE hours: 37.5  
 Prod Rig Spud date/time: 3/7/2010 1:00  
 Rig Release date/time: 3/17/2010 22:00  
 Total SPUD to RR hours:261.0  
 Planned depth MD 10,728  
 Planned depth TVD 10,728  
 Actual MD: 10,700  
 Actual TVD: 10,694  
 Open Wells \$: \$906,011  
 AFE \$: \$1,067,485  
 Open wells \$/ft:\$84.67

PRODUCTION HOLE:  
 Prod. From depth: 2,794  
 Prod. To depth:10,700  
 Total PROD hours: 179  
 Log Depth: 10700  
 Production Casing size: 4.5 ,11.6  
 # of casing joints ran: 255  
 Casing set MD:10,693.0  
 # sx of cement:1,930  
 Cement blend (ppg):LEAD 12.6 ,TAIL14.3  
 Cement yield (ft3/sk): LEAD 1.93 ,TAIL 1.31  
 Est. TOC (Lead & Tail) or 2 Stage : LEAD 0, TAIL 4500  
 Describe cement issues: FULL RETURNS  
 Describe hole issues: NONE

DIRECTIONAL INFO:  
 KOP: 0  
 Max angle: 5.70  
 Departure: 90.12  
 Max dogleg MD: 2.06

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F	Spud Conductor: 1/21/2010	Spud Date: 1/27/2010
Project: UTAH-UINTAH	Site: NBU 920-14F	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 4/1/2010	End Date: 4/7/2010
Active Datum: RKB @4,795.00ft (above Mean Sea Level) UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/1/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING UP, PICKING UP TBG.
	7:30 - 15:00	7.50	COMP	31	I	P		ROAD RIG FROM NBU 920-14G TO NBU 920-14F, SPOT EQUIP, ND WH, NU BOPS, PU 3 7/8" BIT& SUB RIH W/ 272 JTS OF 2 3/8" TBG TO 8,606'. SUT DOWN DUE TO HIGH WIND.
4/2/2010	7:00 - 7:30	0.50	COMP	48		P		HSM. PRESSURE TESTING CASING & FRAC VALVES.
	7:30 - 9:30	2.00	COMP	31	I	P		POOH W / 136 STANDS. ND BOP NU FRAC VALVES.
	9:30 - 10:30	1.00	COMP	33	C	P		MIRU B&C QUICK TEST. FILL HOLE & PRESSURE TEST CASING & BOTH FRAC VALVES TO 7,000 PSI.
	10:30 - 15:00	4.50	COMP	37	C	P		RDMO B&C QUICK TEST. MIRU CUTTERS . PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH PERF 10,556'-60' 4SPF, 10,480'-82' 3SPF, 10,462'-64' 3SPF, 10,374'-78' 3SPF, 40 HOLES. POOH W / WIRE LINE. PREPPED TO FRAC ON MONDAY. SWI SDFWE.
4/5/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:00 - 8:00	1.00	COMP	36	B	P		MIRU SUPERIOR & CUTTERS. PRIME UP & PRESSURE TEST SURFACE EQUIPMENT TO 8,000 PSI. STG 1 ) WHP 1,386 PSI, BRK 5,033 PSI @ 4.8 BPM, ISIP 3,606 PSI, FG .78. PUMP 100 BBLS @ 49.2 BPM @ 5,700 PSI = 100% HOLES OPEN. MP 6,716 PSI, MR 51.5 BPM, AP 6,219 PSI, AR 46.5 BPM, ISIP 3,501 PSI, FG .77, NPI -105 PSI. PMP 1,543 BBLS SW & 51,756 LBS OF 30/50 SND % 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 56,756 LBS.
	8:00 - 9:58	1.97	COMP	36	B	P		STG 2 ) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 10,288' PERF 10,254'-58' 4SPF, 10,240'-42' 4SPF, 10,188'-92' 4SPF, 40 HOLES. WHP 811 PSI, BRK 6,869 PSI @ 1.6 BPM, ISIP 3,680 PSI, FG .80. PUMP 100 BBLS @ 48 BPM @ 5,900 PSI = 79% HOLES OPEN. MP 6,644 PSI, MR 49.3 BPM, AP 6,287 PSI, AR 47.4 BPM, ISIP 3,690 PSI, FG .80, NPI 10 PSI. PMP 943 BBLS SW & 28,521 LBS OF 30/50 SND % 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 33,521 LBS.

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F		Spud Conductor: 1/21/2010		Spud Date: 1/27/2010	
Project: UTAH-UINTAH		Site: NBU 920-14F		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 4/1/2010		End Date: 4/7/2010	
Active Datum: RKB @4,795.00ft (above Mean Sea Leve		UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:58 - 12:08	2.17	COMP	36	B	P		STG 3 ) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 120 & 90 DEG PHASING. RIH SET CBP @ 10,114' PERF 10,080'-84' 3SPF, 10,034'-40' 3SPF, 10,000'-02' 4SPF, 38 HOLES. WHP 1,051 PSI, BRK 4,132 PSI @ 4.7 BPM, ISIP 3,050 PSI, FG .74. PUMP 100 BBLS @ 47.6 BPM @ 6,502 PSI = 61% HOLES OPEN. MP 6,933 PSI, MR 47.4 BPM, AP 6,425 PSI, AR 43.8 BPM, ISIP 3,622 PSI, FG .80, NPI 572 PSI. PMP 2,430 BBLS SW & 93,169 LBS OF 30/50 SND % 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 98,169 LBS.
	12:08 - 13:40	1.53	COMP	36	B	P		STG 4 ) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 120 & 90 DEG PHASING. RIH SET CBP @ 9,946' PERF 9,912'-16' 4SPF, 9,828'-32' 3SPF, 9,754'-58' 3SPF, 40 HOLES. WHP 658 PSI, BRK 5,033 PSI @ 4.8 BPM, ISIP 3,411 PSI, FG .79. PUMP 100 BBLS @ 48.5 BPM @ 6,006 PSI = 61% HOLES OPEN. MP 6,852 PSI, MR 51.1 BPM, AP 5,954 PSI, AR 48.8 BPM, ISIP 3,324 PSI, FG .77, NPI -87 PSI. PMP 1,138 BBLS SW & 39,277 LBS OF 30/50 SND % 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 44,277 LBS.
	13:40 - 15:35	1.92	COMP	36	B	P		STG 5 ) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 9,654' PERF 9,620'-24' 4SPF, 9,494'-9,500' 4SPF, 40 HOLES. WHP 405 PSI, BRK 4,426 PSI @ 4.6 BPM, ISIP 2,617 PSI, FG .71. PUMP 100 BBLS @ 48.8 BPM @ 6,163 PSI = 60% HOLES OPEN. MP 6,477 PSI, MR 49.9 BPM, AP 5,733 PSI, AR 49.1 BPM, ISIP 3,178 PSI, FG .77, NPI 561 PSI. PMP 1,551 BBLS SW & 58,134 LBS OF 30/50 SND % 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 63,134 LBS.
	15:35 - 17:00	1.42	COMP	37	C	P		STG 6 ) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 9,272' PERF 9,236'-42' 4SPF, 9,022'-26' 4SPF, 40 HOLES. POOH W/ WIRE LINE. SWI SDFN HSM. FRACING & PERFORATING
4/6/2010	6:30 - 7:00	0.50	COMP	48		P		STG 6 ) WHP 2,381 PSI, BRK 3,514 PSI @ 4.7 BPM, ISIP 3,103 PSI, FG .78. PUMP 100 BBLS @ 53.4 BPM @ 5,352 PSI = 91% HOLES OPEN. MP 6,361 PSI, MR 49.6 BPM, AP 5,581 PSI, AR 44.6 BPM, ISIP 3,421 PSI, FG .81, NPI 318 PSI. PMP 876 BBLS SW & 27,402 LBS OF 30/50 SND % 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 32,402 LBS.
	7:00 - 7:20	0.33	COMP	36	B	P		

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F	Spud Conductor: 1/21/2010	Spud Date: 1/27/2010
Project: UTAH-UINTAH	Site: NBU 920-14F	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 4/1/2010	End Date: 4/7/2010
Active Datum: RKB @4,795.00ft (above Mean Sea Level) UWI: NE/NW/0/9/S/20/E/14/O/0/26/PM/N/2,335.00/NW/0/2,412.00/O/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:20 - 9:05	1.75	COMP	36	B	P		STG 7 ) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 8,980' PERF 8,946'-50' 3SPF, 8,990'-92' 4SPF, 8,820'-22' 3SPF, 8,770'-72' 4SPF, 8,752'-54' 3SPF, 40 HOLES. WHP 1,514 PSI, BRK 4,708 PSI @ 4.6 BPM, ISIP 3,084 PSI, FG .79. PUMP 100 BBLS @ 49.2 BPM @ 5,260 PSI = 74% HOLES OPEN. MP 6,393 PSI, MR 50.9 BPM, AP 5,730 PSI, AR 49.4 BPM, ISIP 3,047 PSI, FG .78, NPI -370 PSI. PMP 1,352 BBLS SW & 51,151 LBS OF 30/50 SND % 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 56,151 LBS.
	9:05 - 15:00	5.92	COMP	34	I	P		KILL PLG ) PU 4 1/2" HALLIBURTON 8K CBP. RIH SET CBP @ 8,702'. RDMO SUPERIOR & CUTTERS. ND FRAC VALVES NU BOP. TO WINDY TO RIH W / TBG. SWI SDFN
4/7/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. DRLG CBP UNDER PRESSURE & LANDING TBG.
	7:00 - 17:00	10.00	COMP	44	C	P		SICP 0 PSI. PU 3 7/8" BIT & POBS. RIH W / 136 STANDS TO 8,606'. RU POWER SWIVEL & BRK CIRC W / TMAC WATER. RIH C/O 0' OF SAND TAG PLG 1 @ 8,702' DRL PLG IN 7 MIN. 1,500 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 2 @ 8,980' DRL PLG IN 7 MIN. 900 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 3 @ 9,275' DRL PLG IN 7 MIN. 1,300 PSI INCREASE. RIH C/O 60' OF SAND TAG PLG 4 @ 9,654' DRL PLG IN 6 MIN. 700 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 5 @ 9,946' DRL PLG IN 5 MIN. 400 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 6 @ 10,114' DRL PLG IN 8 MIN. 800 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 7 @ 10,288' DRL PLG IN 8 MIN. 750 PSI INCREASE. RIH C/O TO 10,650' PBTD. CIRC WELL CLEAN. POOH LD 15 JTS. LAND TBG W / 321 JTS OF 2 3/8" L-80 4.7# TBG. EOT @ 10,161.48'. ND BOP NU WH. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 2,700 PSI. TURN WELL OVER TO FLOW TESTERS.
4/8/2010	7:00 -			33	A			348 JTS OUT BOUND 2 3/8" L-80 321 JTS LANDED 2 JTS BAD PIN END 27 JTS RETURNED 7 AM FLBK REPORT: CP 2750#, TP 2500#, 20/64" CK, 56 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 3758 BBLS LEFT TO RECOVER: 6075
4/9/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 3450#, TP 2525#, 20/64" CK, 47 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4991 BBLS LEFT TO RECOVER: 4842
4/10/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 3350#, TP 2350#, 20/64" CK, 35 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5947 BBLS LEFT TO RECOVER: 3886

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F		Spud Conductor: 1/21/2010		Spud Date: 1/27/2010				
Project: UTAH-UINTAH		Site: NBU 920-14F		Rig Name No: GWS 1/1				
Event: COMPLETION		Start Date: 4/1/2010		End Date: 4/7/2010				
Active Datum: RKB @4,795.00ft (above Mean Sea Leve		UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/NW/0/2,412.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:00 -		PROD	50				WELL TURNED TO SALES @ 1400 HR ON 4/10/10 - 1600 MCFD, 1344 BWPD, CP 3000#, FTP 2500#, CK 20/64"
4/11/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2900#, TP 2025#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 6577 BBLS LEFT TO RECOVER: 3256

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 920-14F	Wellbore No.	OH
Well Name	NBU 920-14F	Common Name	NBU 920-14F
Project	UTAH-UINTAH	Site	NBU 920-14F
Vertical Section		North Reference	True
Azimuth		Origin E/W	
Origin N/S		UWI	NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0
Spud Date	1/27/2010	Active Datum	RKB @4,795.00ft (above Mean Sea Level)

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	PROPETRO
Started	1/28/2010	Ended	
Tool Name	MSS	Engineer	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
1/28/2010	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/28/2010	NORMAL	1,484.00	0.80	138.70	1,483.95	-7.71	6.77	-7.71	0.05	0.05	0.00	138.70
	NORMAL	2,734.00	5.70	87.00	2,731.67	-11.02	74.57	-11.02	0.42	0.39	-4.14	-58.56

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	PIONEER
Started	3/7/2010	Ended	
Tool Name	MWD	Engineer	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
2,734.00	5.70	87.00	2,734.00	-11.02	74.57

## 2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/7/2010	Tie On	2,734.00	5.70	87.00	2,734.00	-11.02	74.57	-11.02	0.00	0.00	0.00	0.00
3/7/2010	NORMAL	2,839.00	5.14	91.89	2,838.53	-10.90	84.48	-10.90	0.69	-0.53	4.66	142.90
	NORMAL	2,934.00	3.18	92.16	2,933.28	-11.14	91.37	-11.14	2.06	-2.06	0.28	179.56
	NORMAL	3,124.00	1.37	106.85	3,123.12	-12.00	98.81	-12.00	0.99	-0.95	7.73	169.39
	NORMAL	3,313.00	0.50	241.30	3,312.10	-13.05	100.24	-13.05	0.93	-0.46	71.14	168.28
	NORMAL	3,502.00	1.72	232.78	3,501.06	-15.16	97.26	-15.16	0.65	0.65	-4.51	348.02
	NORMAL	3,691.00	1.73	236.74	3,689.98	-18.44	92.62	-18.44	0.06	0.01	-2.10	87.19
	NORMAL	3,914.00	2.09	216.40	3,912.86	-23.56	87.39	-23.56	0.34	0.16	-9.12	287.55
	NORMAL	4,165.00	3.35	242.03	4,163.58	-30.69	78.20	-30.69	0.69	0.50	10.21	57.27
	NORMAL	4,387.00	2.18	238.93	4,385.32	-35.91	68.85	-35.91	0.53	-0.53	-1.40	185.74
3/8/2010	NORMAL	4,608.00	2.66	218.58	4,606.12	-42.09	62.05	-42.09	0.44	0.22	-9.21	288.76
	NORMAL	4,825.00	2.59	188.44	4,822.91	-50.87	58.19	-50.87	0.63	-0.03	-13.89	252.11
	NORMAL	5,042.00	2.51	202.38	5,039.69	-60.12	55.66	-60.12	0.29	-0.04	6.42	104.28
	NORMAL	5,240.00	2.08	219.75	5,237.54	-66.89	51.72	-66.89	0.41	-0.22	8.77	130.21
	NORMAL	5,429.00	2.43	262.13	5,426.40	-70.07	45.55	-70.07	0.88	0.19	22.42	99.85
	NORMAL	5,613.00	1.88	311.87	5,610.29	-68.59	39.44	-68.59	1.02	-0.30	27.03	130.25
	NORMAL	5,807.00	1.23	300.37	5,804.21	-65.42	35.27	-65.42	0.37	-0.34	-5.93	199.97
	NORMAL	5,999.00	1.62	339.20	5,996.16	-61.84	32.53	-61.84	0.53	0.20	20.22	88.19
	NORMAL	6,190.00	1.19	339.81	6,187.10	-57.45	30.89	-57.45	0.23	-0.23	0.32	178.31
	NORMAL	6,408.00	0.52	338.56	6,405.07	-54.41	29.75	-54.41	0.31	-0.31	-0.57	180.97
3/9/2010	NORMAL	6,883.00	0.65	147.57	6,880.07	-54.67	30.40	-54.67	0.25	0.03	35.58	173.89
	NORMAL	7,399.00	0.87	152.93	7,396.02	-60.63	33.76	-60.63	0.04	0.04	1.04	20.60
	NORMAL	7,483.00	1.03	221.40	7,480.01	-61.77	33.55	-61.77	1.28	0.19	81.51	117.18
	NORMAL	7,582.00	1.43	278.07	7,578.99	-62.26	31.74	-62.26	1.23	0.40	57.24	101.55
3/10/2010	NORMAL	7,675.00	1.41	272.24	7,671.96	-62.05	29.44	-62.05	0.16	-0.02	-6.27	259.21
	NORMAL	7,770.00	1.38	309.79	7,766.94	-61.28	27.40	-61.28	0.95	-0.03	39.53	110.58
	NORMAL	8,299.00	1.04	278.27	8,295.82	-56.51	17.75	-56.51	0.14	-0.06	-5.96	227.78
3/11/2010	NORMAL	8,814.00	0.93	239.51	8,810.75	-57.96	9.52	-57.96	0.13	-0.02	-7.53	241.60
3/12/2010	NORMAL	9,349.00	1.10	207.30	9,345.67	-64.72	3.43	-64.72	0.11	0.03	-6.02	270.07
3/13/2010	NORMAL	9,853.00	1.44	200.88	9,849.55	-74.94	-1.05	-74.94	0.07	0.07	-1.27	334.06
3/16/2010	NORMAL	10,625.00	1.60	124.60	10,621.35	-90.12	4.37	-90.12	0.24	0.02	-9.88	235.70
3/17/2010	NORMAL	10,700.00	1.60	124.60	10,696.32	-91.31	6.09	-91.31	0.00	0.00	0.00	0.00

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute Tr
<b>1. TYPE OF WELL</b> Gas Well	<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>9. API NUMBER:</b> 43047505760000
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/20/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text"/>

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

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
  
 Date: 09/26/2011  
 By: *Derek Quist*

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/20/2011	

**WORKORDER #:**

**Name:** NBU 920-14F 7/8/2011  
**Surface Location:** SENW Sec. 14, T9S, R20E  
 Uintah County, UT

**API:** 4304750576 **LEASE#:** UTU-0577A

**ELEVATIONS:** 4777' GL 4795' KB

**TOTAL DEPTH:** 10,700' **PBTD:** 10,649'

**SURFACE CASING:** 8 5/8", 28# J-55 @ 2755'

**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 @ 10,693'  
 TOC @ 198' per CBL (with min 50' isolation)

**PERFORATIONS:** Mesaverde 8752' - 10,560'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
8.625" 28# J-55	8.097	1370	2950	2.6223	0.3505	0.0624
<b>Annular Capacities</b>						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

**GEOLOGICAL TOPS:**

1717' Green River  
 2507' Mahogany  
 5174' Wasatch  
 8493' Mesaverde

## **NBU 920-14F- WELLHEAD REPAIR PROCEDURE**

### **PREP-WORK PRIOR TO MIRU:**

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

### **WORKOVER PROCEDURE:**

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure ).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~8702'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

**CUT/PATCH PROCEDURE:**

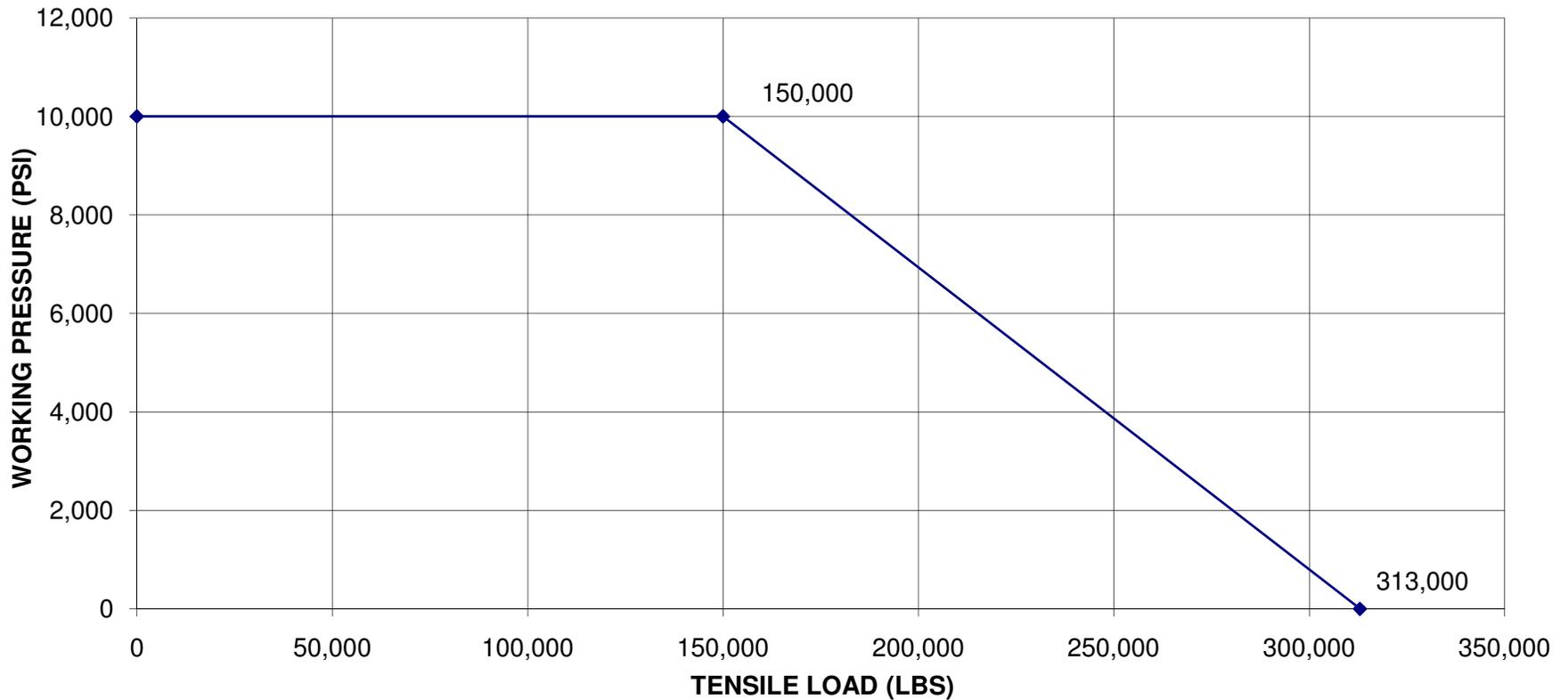
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOO H.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~8652'. Clean out to PBSD (10,649').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

**BACK-OFF PROCEDURE:**

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to  $\pm 7000$  ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place  $\pm 7000$  ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~8652'. Clean out to PBTD (10,649').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH  
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L  
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:  
11,222 PSI @ 0 TENSILE  
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:  
Tensile Strength w/ 0 Int. Press.= 472,791lbs.  
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

**RECEIVED** Sep. 20, 2011



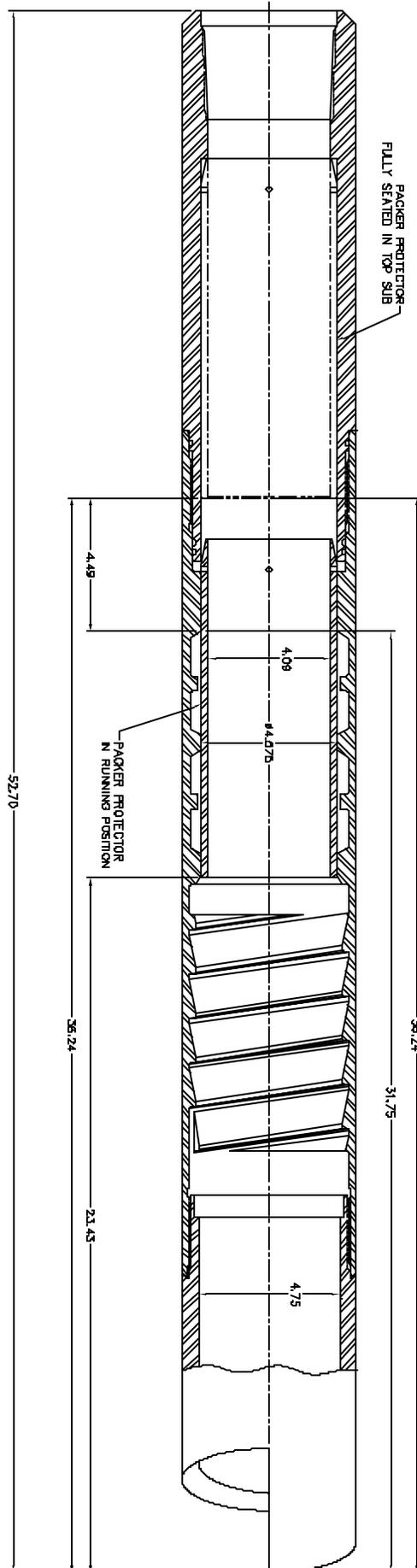
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## **Logan High Pressure Casing Patches Assembly Procedure**

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.



510L-005-001 4-1/2" LOGAN HP CASING PATCH

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
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>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well		<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>9. API NUMBER:</b> 43047505760000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6514	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S		<b>COUNTY:</b> UINTAH  <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"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/1/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> 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.		
<p>The operator has concluded the wellhead/casing repairs on the subject well location. Please see that attached chronological history for details of the operations.</p> <div style="text-align: right;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 26, 2012</b></p> </div>		
<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/17/2012

**US ROCKIES REGION**  
**Operation Summary Report**

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 920-14F			Spud Conductor: 1/21/2010			Spud Date: 1/27/2010		
Project: UTAH-UINTAH			Site: NBU 920-14F			Rig Name No: MONUMENT/698		
Event: WELL WORK EXPENSE			Start Date: 11/29/2011			End Date: 12/1/2011		
Active Datum: RKB @4,795.00usft (above Mean Sea Level)			UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/29/2011	7:00 - 7:30	0.50	ALL	30	G	P		ROAD RIG F/ NBU 920-14C TO NU 920-14F
	7:30 - 8:00	0.50	ALL	48		P		HSM, REVIEW RIGGING UP, ND WH, NU BOP'S
	8:00 - 9:00	1.00	ALL	30	A	P		MIRU, FCP. 237 PSI. FTP. 237 PSI.
	9:00 - 9:45	0.75	ALL	30	F	P		BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG HANGER.
	9:45 - 12:45	3.00	ALL	31	I	P		DROP DRIFT SLEEVE DWN TBG, POOH 321 JTS. 2-3/8 L-80 TBG, NO SCALE INSIDE TBG.
	12:45 - 13:45	1.00	ALL	34	I	P		RU J-W WIRELINE COMPANY, RIH & SET 4-1/2 BAKER 10K CIBP @ 8702', POOH.
	13:45 - 14:45	1.00	ALL	34	D	P		RU CMT BAILER, RIH & DUMP 2 SXS CLASS "G" CMT ON TOP OF CIBP, POOH, RD JW WIRELINE COMPANY.
	14:45 - 15:30	0.75	ALL	47	B	P		FILL CSG W/ T-MAC, P.T. CSG & PLUG TO 3000 PSI. HELD, SWI, SDFN.
11/30/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW BACK-OFF PROCEDURE.
	7:30 - 8:15	0.75	ALL	47	A	P		RD FLOOR & TBG EQUIPMENT, ND BOP'S, ND CSG BOWL, RU FLOOR, RU PWR SWVL.
	8:15 - 10:00	1.75	ALL	31	B	P		PU INTERNAL CSG CUTTER & RIH, CUT CSG 3' F/ SURFACE, POOH, LD CUTTER & CSG MANDRAL, RD PWR SWVL, PU 4-1/2 OVERSHOT, RIH, LATCH FISH, MIRU CSG CREW & WIRELINE SERVICES, RIH & STRING SHOT CSG COLLAR, BACK-OFF CSG PUP JNT, RD CSG CREW & WIRELINE SERVICES, PU NEW CSG PUP JNT, RIH TAG CSG TOP, THREAD IN TO CSG, TORQUE CSG TO 7000# W/ 12 ROTATIONS ON CSG, PU 100,000# TENSION.
	10:00 - 11:15	1.25	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. FOR 15 MINS, LOST 30 PSI. IN 15 MINS, P.T. 4-1/2 CSG TO 3500 PSI. LOST 30 PSI. IN 30 MINS, RD B&C QUICK TEST.
	11:15 - 13:15	2.00	ALL	47	C	P		RU WEATHERFORD TECHNICIAN, SET C-21 SLIPS, LAND CSG W/ 80,000# TENSION, CUT & DRESS 4-1/2 CSG, INSTALL "H" PLATE, FLANGE, & CROSSOVER SPOOL, TORQUE ALL 1-7/8 BOLTS, RD WEATHERFORD TECHNICIAN.
	13:15 - 14:00	0.75	ALL	30	F	P		NU CSG BOWL, NU BOP'S, RU FLOOR & TBG EQUIPMENT
	14:00 - 17:00	3.00	ALL	31	I	P		PU 3-7/8 MILL, 1.875 XN POBS & RIH W/ 275 JTS. L-80 TBG, EOT @ 8678' SWI, SDFN.
12/1/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW AIR FOAM UNIT & D/ CIBP.
	7:30 - 8:00	0.50	ALL	47	A	P		NU PWR SWVL, RU TECH FOAM,
	8:00 - 8:30	0.50	ALL	31	H	P		EST CIRC IN 30 MINS.
	8:30 - 8:40	0.17	ALL	44	A	P		TAG CMT @ 8692', D/O CMT IN 10 MINS TO 8702'
	8:40 - 11:00	2.33	ALL	44	C	P		D/O CIBP @ 8702' IN 130 MINS, HAD 100 PSI. INCREASE, KILL TBG, LD PWR SWVL,
	11:00 - 12:30	1.50	ALL	31	I	P		RIH 26 JTS. 2-3/8 L-80 TBG F/ DERRICK, PU 15 JTS. 2-3/8 L-80 TBG F/ TRAILER, TAG SAND @ 10,591' W/ 336 JTS. IN WELL.

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 920-14F		Spud Conductor: 1/21/2010		Spud Date: 1/27/2010	
Project: UTAH-UINTAH			Site: NBU 920-14F		Rig Name No: MONUMENT/698
Event: WELL WORK EXPENSE			Start Date: 11/29/2011		End Date: 12/1/2011
Active Datum: RKB @4,795.00usft (above Mean Sea Level)			UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:30 - 16:30	4.00	ALL	44	D	P		RU PWR SWVL, INSTALL TSF, EST CIRC IN 20 MINS C/O SAND F/ 10,591' TO 10,614' (23') IN 35 MINS, TAG OLD POBS, CIRC WELL CLEAN, RD PWR SWVL, POOH & LD 2 JTS, KILL TBG, REMOVE TSF, DROP BALL, PUMP-OFF MILL W/ 1540 PSI. POOH LD 13 JTS. ON TRAILER, LAND TBG HANGER, RU SWAB EQUIPMENT, RIH, BROACH TBG TO XN W/ 1.9 BROACH, POOH, RD SWAB EQUIPMENT, RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, RDMO. MOVE TO NBU 920-12D.
TBG DETAIL								
KB----- -18' HANGER----- -.83" 321 JTS. 2-3/8 L-80 TBG @----- 10,140.45' 1.875 XN POBS----- -2.20' EOT @----- -10,161.48' WLTR. 80 BBLs. TOP PERF @ 8752' BTM PERF @ 10,560' C/O & TAG OLD POBS @ 10,614' PBTD @ 10,649' API# 4304750576								

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU 0577A	
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE	<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-14F
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047505760000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6456
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2335 FNL 2412 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
	<b>COUNTY:</b> UINTAH
	<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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/5/2016	<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 style="width: 100px;" type="text" value="WORKOVER"/>

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

A WELLBORE CLEANOUT HAS BEEN COMPLETED ON THE NBU 920-14F WELL. PLEASE SEE THE ATTACHED OPERATIONS SUMMARY REPORT FOR DETAILS.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 17, 2016

<b>NAME (PLEASE PRINT)</b> Jennifer Thomas	<b>PHONE NUMBER</b> 720 929-6808	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/16/2016	

US ROCKIES REGION  
**Operation Summary Report**

US ROCKIES REGION								
<b>Operation Summary Report</b>								
Well: NBU 920-14F			Spud Conductor: 1/21/2010			Spud date: 1/27/2010		
Project: UTAH-UINTAH			Site: NBU 920-14F			Rig name no.: MILES 2/2		
Event: WELL WORK EXPENSE			Start date: 4/27/2016			End date: 5/3/2016		
Active datum: RKB @4,795.00usft (above Mean Sea Level)			UWI: NE/NW/0/9/S/20/E/14/0/0/26/PM/N/2,335.00/W/0/2,412.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
4/27/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM-JSA
	7:15 - 17:30	10.25	MAINT	45	A	P		MOVE RIG & EQUIP FROM OURAY #1, MIRU, SPOT EQUIP, CNTRL WELL W/ 50 BBLS TMAC, NDWH, NUBOP, UNLAND TBG, RIH W/ 14 JTS TBG TAG FILL @ 10588', POOH LD 14 JTS TBG, MIRU SCAN TECH, POOH SCAN 321 JTS TBG, 116 JTS YB & BB, 104 JTS RB, 101 JTS W/ BAD PINS, RDMO SCAN TECH, SWI, SDFN.
4/28/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM-JSA
	7:15 - 15:00	7.75	MAINT	31	I	P		SICP 200 PSI, CNTRL WELL W/ 20 BBLS TMAC, PU 3 7/8" MILL, TALLY PU RIH W/ 334 JTS TAG FILL @ 10584', LD 3 JTS TBG, SWI, SDFWE.
5/2/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM-JSA
	7:15 - 12:00	4.75	MAINT	44	D	P		SICP 1200 PSI, CNTRL W/ 20 BBLS TMAC, PU 3 JTS TBG TAG FILL @ 10584', RU PWR SWVL, RU WTRFD FU W/ N2, BRK CIRC, C/O TO 10611' TAG OLD POBS CONT TO C/O TO 10637' STOP MAKING HOLE, CIRC CLN, RD PWR SWVL, RD WTRFD FU.
	12:00 - 17:30	5.50	MAINT	31	I	P		POOH LD 15 JTS TBG, STD BK 320 JTS, LD MILL, PU XN NOTCH CLLR RIH W/ 160 JTS TBG EOT @ 5080', RU SWAB TOOLS BROACH TO SN, POOH, SWIFN.
5/3/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM-JSA
	7:15 - 10:30	3.25	MAINT	31	I	P		SICP 500 PSI, CNTRL WELL W/ 20 BBLS TMAC, RIH W/ 160 JTS TBG, BROACH TBG TO 5500', POOH, LAND TBG W/ 320 JTS 2 3/8" TBG EOT @ 10156.09', RD FLOOR & TBG EQUIP, NDBOP, NUWH, BLOW WELL AROUND W/ WTRFD FU & N2, RDMO.
								KB- 18' HANGER- .83' 204 JTS 2 3/8" P-110- 6471.13' 2 3/8" P-110 PUP JT- 1' 116 JTS 2 3/8" L-80- 3664.08' XN NOTCH COLLAR- 1.05' EOT @ 10156.09' C/O TO 10637' PBTD @ 10649'
5/4/2016	7:00 - 15:00	8.00	PROD	42	B	P		Arrived to location, rigged up and blew tubing pressure down. Started swabbing made 6 runs, fluid level was at 5500 ft, recovered 40 bbls. Well was on a major suck all day. Shut well in and headed back to the shop
5/5/2016	7:00 - 15:00	8.00	PROD	42	B	P		Arrived to location, rigged up and blew tubing pressure down. Dropped new spring in and chase it down to sn and set it. Started swabbing made 4 runs, fluid level was at 4000 ft, recovered 22 bbls. Swabbed well back on, well unloaded for a while and operator was there and dropped a new plunger and we tripped it twice. Rigged down and moved to next well