

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER NBU 920-14C		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT NATURAL BUTTES		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				7. OPERATOR PHONE 720 929-6587		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL mary.mondragon@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 0577A		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Tribe		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	477 FNL 1890 FWL	NENW	14	9.0 S	20.0 E	S
Top of Uppermost Producing Zone	477 FNL 1890 FWL	NENW	14	9.0 S	20.0 E	S
At Total Depth	477 FNL 1890 FWL	NENW	14	9.0 S	20.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 477		23. NUMBER OF ACRES IN DRILLING UNIT 2091		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1100		26. PROPOSED DEPTH MD: 10800 TVD: 10800		
27. ELEVATION - GROUND LEVEL 4808		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 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

NAME Danielle Piernot	TITLE Regulatory Analyst	PHONE 720 929-6156
SIGNATURE	DATE 07/16/2009	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047505770000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	10800		
Pipe	Grade	Length	Weight			
	Grade HCP-110 LT&C	1200	11.6			
	Grade I-80 LT&C	9600	11.6			

Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2805		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	2805	36.0			

NBU 920-14C

Surface: 477' FNL, 1,890' FWL (NE/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	1,832'	
Birds Nest	2,082'	Water
Mahogany	2,601'	Water
Wasatch	5,274'	Gas
Mesaverde	8,563'	Gas
MVU2	9,574'	Gas
MVL1	10,085'	Gas
TD	10,800'	

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 10,700' TD, approximately equals 6,729 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4,353 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'						
SURFACE	9-5/8"	0 to 2805	36.00	J-55	LTC	3,520	2,020	453,000
						0.79*	1.54	4.49
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	LTC	7,780	6,350	201,000
						1.74	1.04	1.97
						10,690	8,650	279,000
		9600 to 10800	11.60	HCP-110	LTC	2.39	1.26	24.64

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 1.99

- 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 4,353 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 6,729 psi

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1 TOP OUT CMT (6 jobs)	LEAD 500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	380	0%	15.60	1.18
	NOTE: If well will circulate water to surface, option 2 will be utilized					
SURFACE Option 2	LEAD 2,305'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	260	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 4,770'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	460	40%	11.00	3.38
	TAIL 6,030'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1480	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.

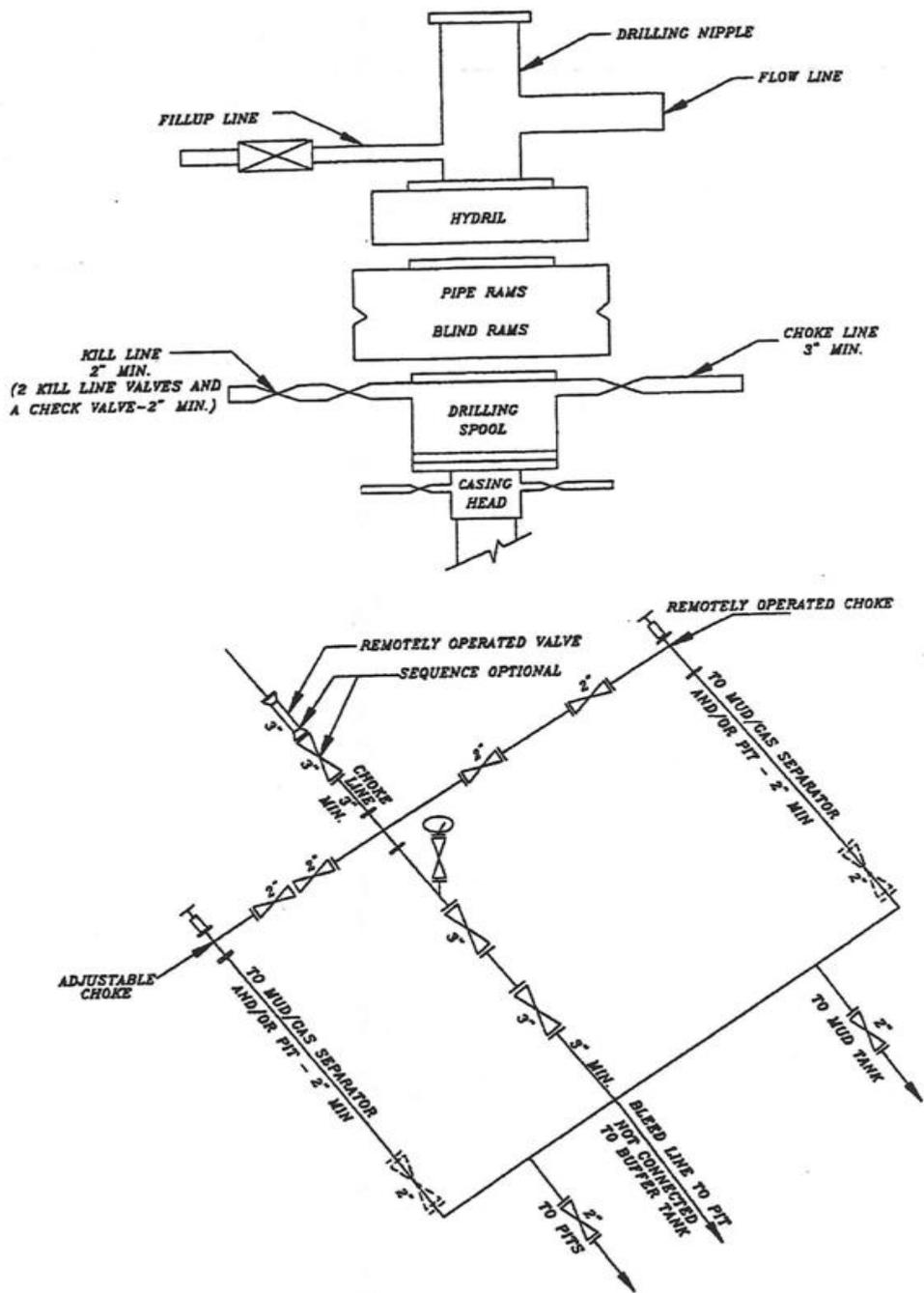
ADDITIONAL INFORMATION

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

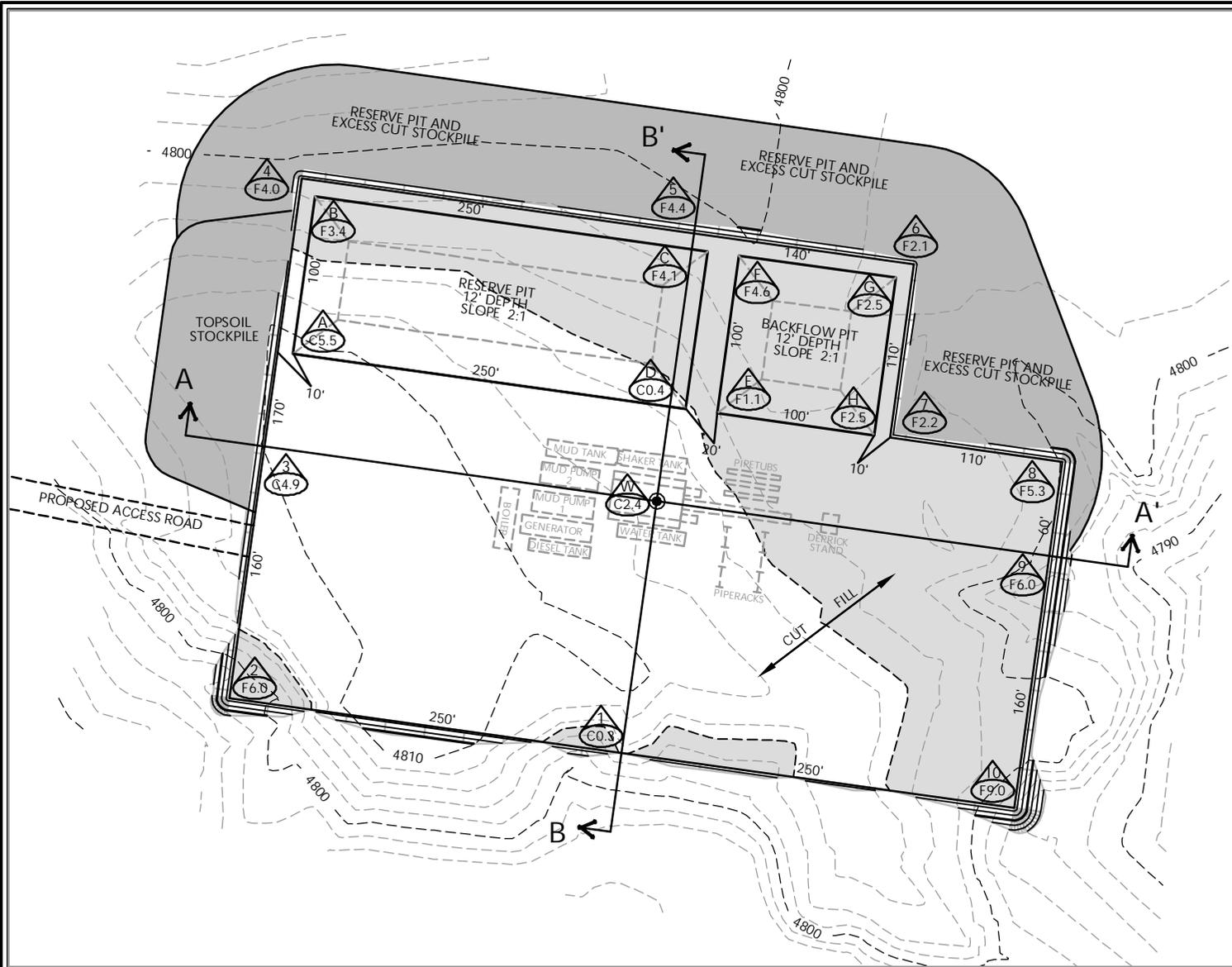
DRILLING SUPERINTENDENT: _____ **DATE:** _____
 John Merkel / Lovel Young

EXHIBIT A NBU 920-14C



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

APIWellNo:43047505770000
 K:\WADARK\2008_31_NBU_TRIBAL_2\DWGS\NBU_SEC-14.dwg, 2/24/2009 4:28:33 PM, PDF-XChange for Acrobat Pro

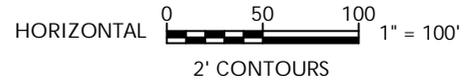


WELL PAD LEGEND	
	WELL LOCATION
	EXISTING CONTOURS (2' INTERVAL)
	PROPOSED CONTOURS (2' INTERVAL)

WELL PAD NBU 920-14C QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4807.6'
 FINISHED GRADE ELEVATION = 4805.2'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 9,214 C.Y.
 TOTAL FILL FOR WELL PAD = 8,804 C.Y.
 TOPSOIL @ 6" DEPTH = 3,017 C.Y.
 EXCESS MATERIAL = 410 C.Y.
 TOTAL DISTURBANCE = 3.74 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

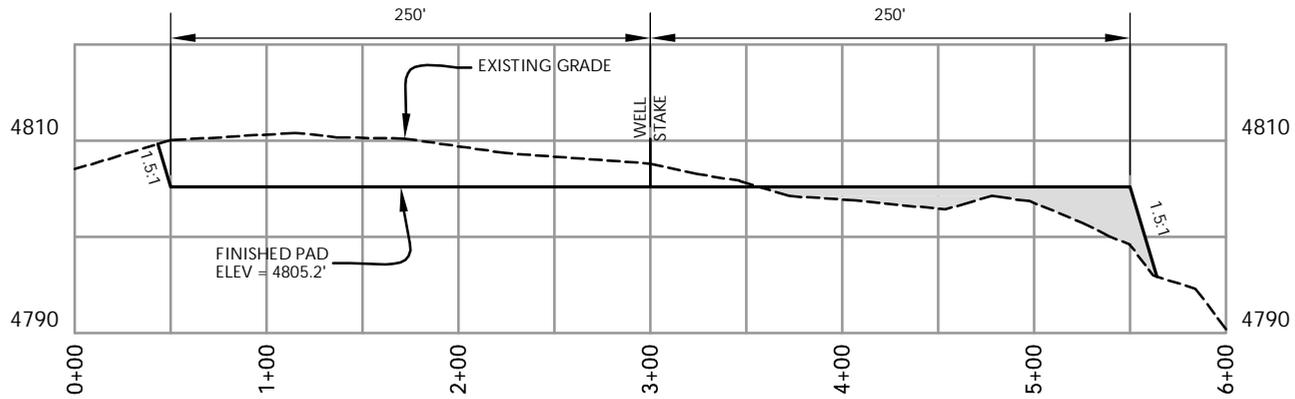
**NBU 920-14C
 WELL PAD - LOCATION LAYOUT**
 477' FNL, 1890' FWL
 NE1/4 NW1/4, SECTION 14, T9S, R20E,
 S.L.B.&M., UINTAH COUNTY, UTAH



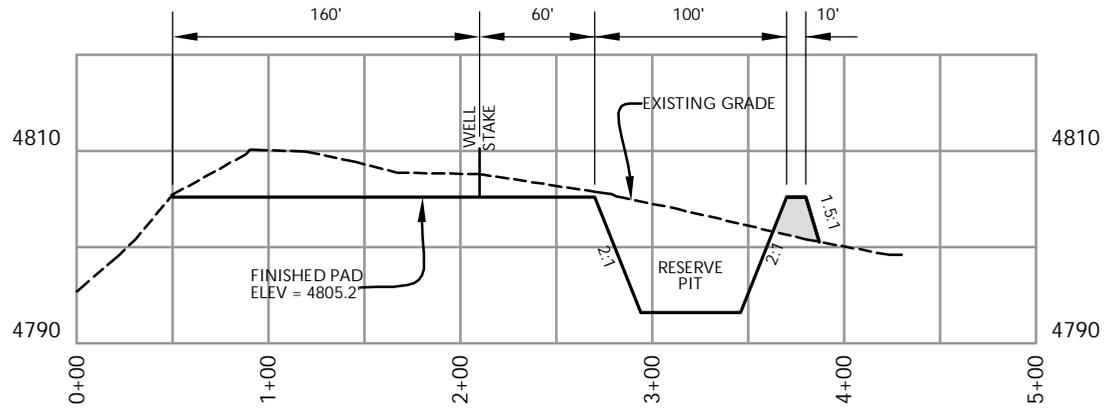
CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

Scale: 1"=100'	Date: 2/24/09	SHEET NO:
REVISED:	BY DATE	2 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.

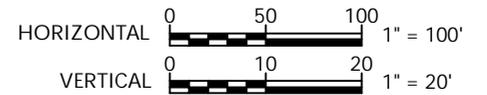
KERR-MCGEE OIL & GAS
ONSHORE L.P.
1099 18th Street - Denver, Colorado 80202



NBU 920-14C
WELL PAD - CROSS SECTIONS
477' FNL, 1890' FWL
NE1/4 NW1/4, SECTION 14, T9S, R20E,
S.L.B.&M., UINTAH COUNTY, UTAH

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

Scale: 1"=100'	Date: 2/24/09	SHEET NO:
REVISED:	BY DATE	3 3 OF 9



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











PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

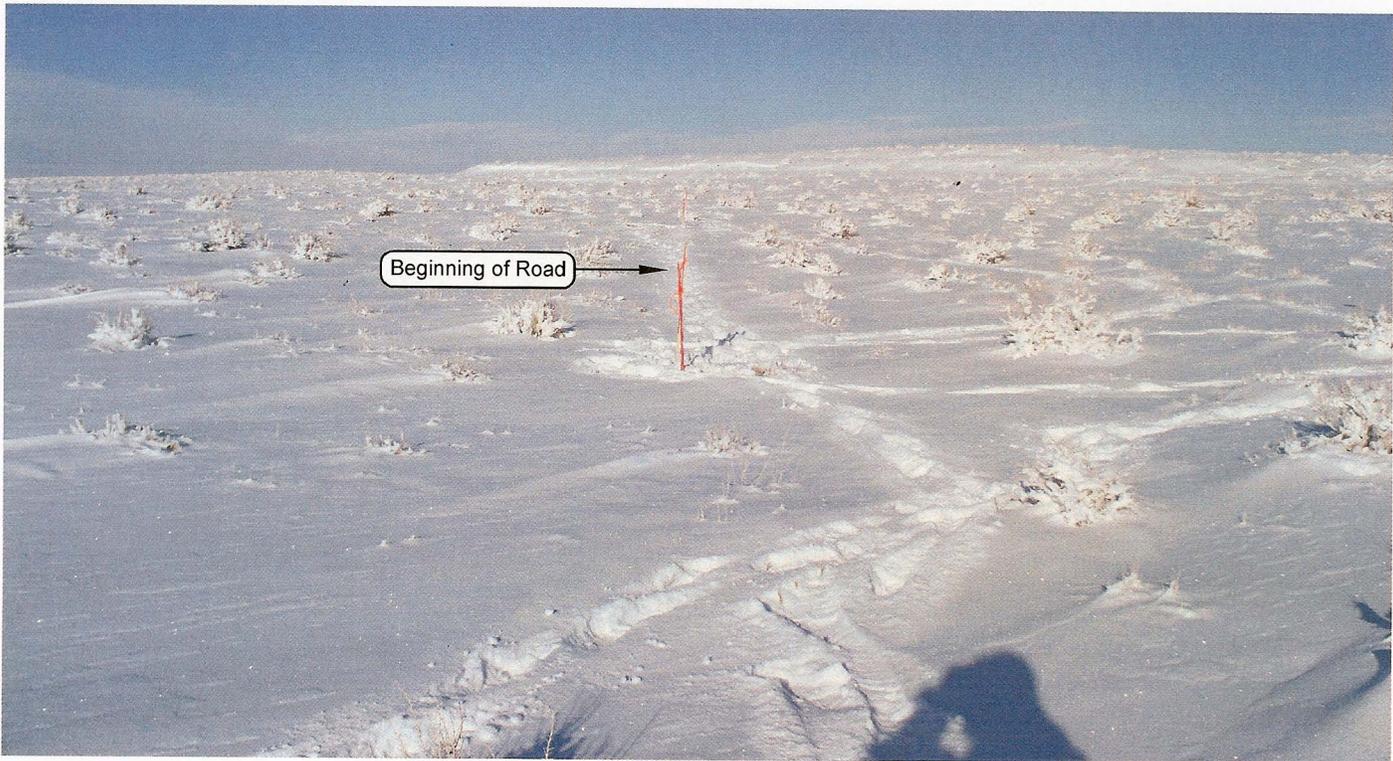


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

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

NBU 920-14C
 477' FNL, 1890' FWL
 NE 1/4 NW 1/4 OF SECTION 14, T9S, R20E,
 S.L.B.&M. UINTAH COUNTY, UTAH.

LOCATION PHOTOS		DATE TAKEN: 01-27-09
		DATE DRAWN: 02-12-09
TAKEN BY: D.J.S.	DRAWN BY: K.K.O.	REVISED:
Timberline Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078		(435) 789-1365 SHEET 4 OF 9

Kerr-McGee Oil & Gas Onshore, LP
NBU 920-14C
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 NORTHEASTERLY DIRECTION APPROXIMATELY 1,790 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 39.3 MILES IN A SOUTHERLY DIRECTION.

NBU 920-14C

Surface: 477' FNL, 1,890' FWL (NE/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 NE/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 ± 0.15 miles ($\pm 780'$) 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 ±920' 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 920-14C

Ouray Quadrangle

Uintah County, Utah

Prepared for

Anadarko Petroleum Corp.

and

Ute Tribe

Uintah and Ouray Reservation

Prepared by

SWCA Environmental Consultants

SWCA #UT09-14314-17



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
(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

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/16/2009

API NO. ASSIGNED: 43047505770000

WELL NAME: NBU 920-14C

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

PHONE NUMBER: 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: NENW 14 090S 200E

Permit Tech Review:

SURFACE: 0477 FNL 1890 FWL

Engineering Review:

BOTTOM: 0477 FNL 1890 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.04131

LONGITUDE: -109.63611

UTM SURF EASTINGS: 616356.00

NORTHINGS: 4433024.00

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 920-14C
API Well Number: 43047505770000
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:

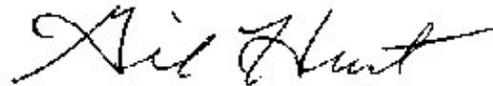
- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
- OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

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

RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 28 2009
MC

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	3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156	8. Lease Name and Well No. NBU 920-14C
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NENW 477FNL 1890FWL 40.04133 N Lat, 109.63690 W Lon At proposed prod. zone NENW 477FNL 1890FWL 40.04133 N Lat, 109.63690 W Lon		9. API Well No. 43 047 50577
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 8.6 MILES SOUTHEAST OF OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 477 FEET	16. No. of Acres in Lease 2091.20	11. Sec., T., R., M., or Blk. and Survey or Area Sec 14 T9S R20E Mer SLB
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 1100 FEET	19. Proposed Depth 10800 MD 10800 TVD	12. County or Parish UINTAH
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4808 GL	22. Approximate date work will start 08/03/2009	13. State UT
		17. Spacing Unit dedicated to this well
		20. BLM/BIA Bond No. on file WYB000291
		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
Assistant Field Manager
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.

RECEIVED

Additional Operator Remarks (see next page)

NOV 30 2009

Electronic Submission #72256 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

DIV OF OIL, GAS & MINING



AFMSS#

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

096XJ8412 AE

NO NOS

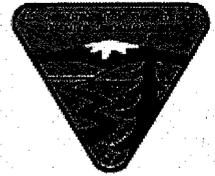


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

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:	NENW, Sec. 14, T9S, R20E
Well No:	NBU 920-14C	Lease No:	UTU-0557A
API No:	43-047-50577	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: ut_vn_opreport@blm.gov .
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_x 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_x 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 Gama 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. 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 920-14C

Api No: 43-047-50577 Lease Type: FEDERAL

Section 14 Township 09S Range 20E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 12/30/2009

Time 10:00 AM

How DRY

Drilling will Commence: _____

Reported by JAMES GOBEL

Telephone # (435) 828-7024

Date 01/06/2010 Signed CHD

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

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tr
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-14C
------------------------------------	--

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047505770000
---	---

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
---	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0477 FNL 1890 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	COUNTY: UINTAH
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> 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"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 12/30/2009			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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 12/30/2009 AT 10:00 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 07, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 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>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</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>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</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>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</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)

RECEIVED

JAN 06 2010

ANDY LYTLE

Name (Please Print)

[Signature]
Signature

REGULATORY ANALYST

Title

1/6/2010

Date

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

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tr 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-14C
------------------------------------	--

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047505770000
---	---

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
---	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0477 FNL 1890 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/26/2010	<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 checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 3/26/2010 AT 10:30 A.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
 March 29, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/29/2010	

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

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tr
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-14C
------------------------------------	--

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047505770000
---	---

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
---	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0477 FNL 1890 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	COUNTY: UINTAH
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/26/2010			

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 3/26/2010 AT 10:30 A.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
 March 29, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/29/2010	

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 _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU63047A

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

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

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

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

9. API Well No.
43-047-50577

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NENW 477FNL 1890FWL 40.04137 N Lat, 109.63620 W Lon
At top prod interval reported below NENW 477FNL 1890FWL 40.04137 N Lat, 109.63620 W Lon
At total depth NENW 477FNL ^{696 1941} 1890FWL 40.04137 N Lat, 109.63620 W Lon

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
12/30/2009

15. Date T.D. Reached
02/13/2010

16. Date Completed
 D & A Ready to Prod.
03/26/2010

17. Elevations (DF, KB, RT, GL)*
4808 GL

18. Total Depth: MD 10863
TVD 10860

19. Plug Back T.D.: MD 10809
TVD 10806

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
RABL-RPM-CB/GR-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		2757		660			
7.875	4.500 I80	11.6		10853		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	10359							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8592	10766	8592 TO 10766	0.360	318	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8592 TO 10766	PMP 12,885 BBLs SLICK H2O & 467,900 LBS 30/50 SD.

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
03/26/2010	03/30/2010	24	→	5.0	3099.0	700.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18/64	SI	3236.0	→	5	3099	700		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 #85949 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	1783				
MAHOGANY	2606				
WASATCH	5280	8571			
MESAVERDE	8576	10863	TD		

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

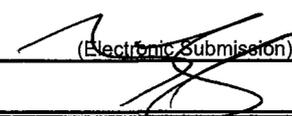
33. Circle enclosed attachments:

- 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 #85949 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 05/04/2010

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 **

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-14C	Spud Conductor: 12/30/2009	Spud Date: 1/21/2010
Project: UTAH-UINTAH	Site: NBU 920-14C	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 1/17/2010	End Date: 2/15/2010
Active Datum: RKB @4,826.00ft (above Mean Sea Level) UWI: NBU 920-14C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/21/2010	16:00 - 21:00	5.00	MIRU	01	B	P		DRESS CONDUCTOR, INSTALL AIR BOWL, RIG UP RIG, BUILD DITCH, RIG UP AIR PACKAGE, RIG UP PUMP. PRIME PUMPS, P/U STRAIGHT MOTOR .16 RPG SN 8069, M/U 11" Q507 SN 7018431.
	21:00 - 22:00	1.00	DRLSUR	02	B	P		SPUD SURFACE 1/21/2010 21:00 DRILL 44'-150'.
	22:00 - 0:00	2.00	MAINT	08	A	Z		RADIATOR HOSE BURST. REPAIR RADIATOR HOSE.
1/22/2010	0:00 - 4:00	4.00	DRLSUR	02	B	P		DRILL 150'-600' (450', 112'/HR) WOB 5-20K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1200/900 UP/DOWN/ROT=50/50/50 0K DRAG
	4:00 - 4:30	0.50	DRLSUR	10	B	P		RUN MULTISHOT WIRELINE SURVEY 540' = 1 DEG, 43 CORRECTED AZIMUTH.
	4:30 - 11:30	7.00	DRLSUR	02	B	P		DRILL 600'- 1600' (1000', 142'/HR) WOB 20-23K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1200/1500 UP/DOWN/ROT=60/56/58 2K DRAG
	11:30 - 12:00	0.50	DRLSUR	10	B	P		RAN SURVEY. SURVEY TAGGED UP 180' DOWN, PULLED OUT SURVEY TOOL.
	12:00 - 12:30	0.50	ALL	06	A	Z		LD 6 JTS DRILL STRING CHECK ID. 1 JT HAS ID OF 1.5" AT PIN END. LOOKS LIKE IT WAS CUT WRONG. TAKE JT OUT OF STRING.
	12:30 - 13:00	0.50	DRLSUR	10	B	P		RUN MULTISHOT WIRELINE SURVEY 1360'=. 9 DEG. 121.7 CORRECTED AZI. TRIP BACK IN 6 JTS.
	13:00 - 0:00	11.00	DRLSUR	02	B	P		DRILL 1600'-2690' (1090', 99'/HR) WOB 25K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1300/1600 UP/DOWN/ROT=73/68/70 3K DRAG
1/23/2010	0:00 - 1:30	1.50	DRLSUR	02	B	P		DRILL 2690'-2780' (90', 60'/HR) TD 1/23/2010 01:30. WOB 25K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1300/1600 UP/DOWN/ROT=73/68/70 3K DRAG FULL CIRC THROUGH OUT DRILLING.
	1:30 - 3:00	1.50	CSG	05	F	P		CLEAN HOLE W/ POLYMER SWEEPS. FULL CIRC THROUGH OUT.
	3:00 - 3:30	0.50	DRLSUR	10	B	P		RUN MULTISHOT WIRELINE TOOL. SURVEY 2720' = 1.4 DEG. CORRECTED AZI 205.5
	3:30 - 7:00	3.50	CSG	06	D	P		LDDS, LD MONEL AND MOTOR, BREAK BIT.
	7:00 - 11:30	4.50	CSG	12	C	P		RUN 63 JTS OF 8-5/8" 28# IJ-55 W/ 8RD LTC THREADS AND LAND FLOAT SHOE 2744' KB. RAN BAFFLE PLATE IN TOP OF SHOE JT LANDED @ 2700' KB.FILL CSG 800' AND 1700'. RUN 200' OF 1" PIPE DOWN BACKSIDE.
	11:30 - 12:00	0.50	RDMO	01	E	P		RIG DOWN RIG, RR 1/23/2010 12:00.
	12:00 - 16:00	4.00	CSG	12	E	P		TEST LINES TO 2000' PSI, PUMP 110 BBLS OF H2O , PUMP 20 BBLS OF GEL WATER. PUMP 210 (142 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 BBLS OF 8.3# H2O, 2 BBLS OF LEAD TO SURFACE W/ 420 PSI OF LIFT @ 5 BBLS/MIN. W/ 2 BBLS OF LEAD TO SURFACE, CEMENT WENT SOUTH. CEMENT FELL 200' DOWN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP 100 SX (20.4 BBLS) OF 4% CALC 15.8# 1.15 YD, 5 GAL/SK CEMENT DOWN 1". CEMENT FELL BACK 700'. WAIT 2 HR AND PUMP 175 SX OF SAME CEMENT. CEMENT FILLED TO ABOUT 100' DOWN. WILL TOP OUT WITH REDIMIX TO SURFACE.

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-14C		Spud Conductor: 12/30/2009		Spud Date: 1/21/2010	
Project: UTAH-UINTAH		Site: NBU 920-14C		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 1/17/2010		End Date: 2/15/2010	
Active Datum: RKB @4,826.00ft (above Mean Sea Leve				UWI: NBU 920-14C	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
2/1/2010	0:00 - 6:00	6.00	DRLPRO	01	E	P		RDRT, WINTERIZE & PREPARE FOR MOVE	
	6:00 - 18:00	12.00	DRLPRO	01	A	P		MOVE RIG W WESTROC 24 MILES, MUDDY ROADS CRANE ASSIST ON CORNERS,6 FLAT TIRE'S ON CARRIER, 1 BROKE DRIVE LINE ON TRUCK W/ SUB,6 BED & 8 HAUL TRUCKS, 1 CRANE, 5 EXTRA HANDS, 100% MOVE OFF, SUB SET ON NEW LOC	
2/2/2010	18:00 - 0:00	6.00	DRLPRO	21	C	P		WAIT ON DAYLIGHT	
	0:00 - 6:00	6.00	DRLPRO	21	C	P		WAIT ON DAYLIGHT	
	6:00 - 12:00	6.00	DRLPRO	01	A	P		MIRU ON NBU 920-14C, 2 BED & 1 HAUL TRUCK, 1 CRANE ALL LEFT @ 12:00	
2/3/2010	12:00 - 0:00	12.00	DRLPRO	01	B	P		RURT	
	0:00 - 2:00	2.00	MIRU	01	B	P		FINISH RURT,MUD PUMPS,PITS,PASON LINES,FLARE LINES	
	2:00 - 9:00	7.00	DRLPRO	14	A	P		NIPPLE UP BOP,CHANGE BOTH KILL LINE VALVES,CHANGE OUT BOTTOM FLANGE	
2/4/2010	9:00 - 15:30	6.50	DRLPRO	15	A	P		SAFETY MEETING W/ RIG CREW & QUICK TEST ,R/U & TEST BOP, TEST FLOOR VALVES,UPPER & LOWER KELLY VALVES,PIPE RAMS,BLIND RAMS,INSIDE & OUTSIDE KILL LINE VALVES,INSIDE CHOKE VALVE,HCR & CHOKE MANIFOLD VALVES 250 PSI F/ 5 MIN,5000 PSI F/ 10 MIN ,ANNULAR 2500 PSI F/ 15 MIN ,CASING 1500 PSI F/ 30 MIN,R/D QUICK TEST, INSTALL WEAR RING	
	15:30 - 22:00	6.50	DRLPRO	06	A	P		LAY OUT & STRAP BHA & DP, SAFETY MEETING W/ RIG CREW & PICKUP CREW,R/U & P/U BIT, MM,DIR TOOLS & 63 JTS DP,R/D KIMZEY	
	22:00 - 23:30	1.50	DRLPRO	09	A	P		CUT & SLIP 125' DRILL LINE	
	23:30 - 0:00	0.50	DRLPRO	23		P		INSTALL DRIVE BUSHINGS,ROTATING RUBBER,SECURE STACK,PRESPOD INSPECTION.	
	0:00 - 3:30	3.50	DRLPRO	02	F	P		DRILL CMT,F.E & OPEN HOLE TO 2794'	
2/4/2010	3:30 - 14:30	11.00	DRLPRO	02	D	P		SPUD @ 03:30 2/4/2010 ,DRILL F/ 2794' TO 3735' 941',85.5 FPH ,WOB 18 ,RPM 50-60 ,MM RPM 98 ,SPM 125 ,GPM 473 ,PU/SO/ROT 105-90-100 ,ON/OFF 1650-1400 ,DIFF 150-300 ,MW 9.5 VIS 35 ,SLIDES 3386-3406,3575-3595,3674-3681	
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE	
	15:00 - 0:00	9.00	DRLPRO	02	D	P		DRILL & SURVEY F/ 3735' TO 4479 744' 82.6 FPH,WOB 18-20,RPM 50-60,MMRPM 98,SPM 125,GPM 473,PU/SO/ROT 115-109-110,ON/OFF 1850/1525,DIFF 150-350,MW 9.7,VIS 37,SLIDES 3865-3875	
	2/5/2010	0:00 - 15:00	15.00	DRLPRO	02	D	P		DRILL & SURVEY F/ 4479' TO 5538' 1059' 70.6 FPH,WOB 18-20,RPM 50-60,MMRPM 98,SPM 125,GPM 473,PU/SO/ROT 130-120-115,ON/OFF 1900/1650,DIFF 150-325,MW 10.2,VIS 38,SLIDES 5184-5204,5284-5304,5377-5392
		15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE & INSPECT BRAKE LINKAGE
2/5/2010	15:30 - 23:00	7.50	DRLPRO	02	D	P		DRILL & SURVEY F/ 5538' TO 6055' 517' 68.9 FPH,WOB 18-20,RPM 50-60,MMRPM 98,SPM 125,GPM 473,PU/SO/ROT 130-120-128,ON/OFF 1700-2000,DIFF 150-450	
	23:00 - 0:00	1.00	DRLPRO	08	A	Z		RIG REPAIR ,ROTARY MOTOR DOWN NOT GETTING FUEL	
	2/6/2010	0:00 - 11:00	11.00	DRLPRO	02	D	P	DRILL & SURVEY F/ 6055' TO 6707' 652',59.2 FPH,WOB 20-22,RPM 50-60,MMRPM 98,SPM 125,GPM 473,PU/SO/ROT 150-125-145,ON/OFF 2250-2000,DIFF 150-375	
2/6/2010	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE	

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-14C		Spud Conductor: 12/30/2009		Spud Date: 1/21/2010	
Project: UTAH-UINTAH			Site: NBU 920-14C		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING			Start Date: 1/17/2010		End Date: 2/15/2010
Active Datum: RKB @4,826.00ft (above Mean Sea Leve			UWI: NBU 920-14C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:30 - 0:00	12.50	DRLPRO	02	D	P		DRILL & SURVEY F/ 6707' TO 7402' 696',55.68 FPH,WOB 20-24,RPM 50-60,MMRPM 94,SPM 120,GPM 454,PU/SO/ROT 157-140-150,ON/OFF 2100-1850,DIFF 150-325
2/7/2010	0:00 - 12:00	12.00	DRLPRO	02	D	P		DRILL & SURVEY F/ 7402' TO 7770' 368', 30.6 FPH,WOB 20-22,RPM 55,MMRPM 95,GPM 454,PU/SO/ROT 160-145-154,ON/OFF 2200-1850,DIFF150-400,WM 10.9,VIS 39
	12:00 - 12:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	12:30 - 13:30	1.00	DRLPRO	08	B	Z		RIG REPAIR WORK ON BOTH PUMPS,CHANGE SWAB& LINER #1 PUMP,CHANGE SEATS & VALVES ON #2 PUMP
	13:30 - 14:30	1.00	DRLPRO	02	D	P		DRILL F/ 7770' TO 7800'
	14:30 - 16:00	1.50	DRLPRO	08	B	Z		RIG REPAIR,CHANGE SWAB ON #1 PUMP & GASKET IN VIBERATING HOSE BETWEEN PUMPS
	16:00 - 22:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY F/ 7800' TO 7973', 173,28.8 FHP,WOB 22-24,RPM 45-50,MMRPM 94,SPM 120,GPM 454,PU/SO/ROT 160-148-155,ON/OFF 2400-2100,DIFF125-350,MW 11.1+,VIS 44 SLIDE 7940-7952
	22:00 - 22:30	0.50	DRLPRO	22	A	X		WORK TIGHT HOLE @ 7973'
	22:30 - 0:00	1.50	DRLPRO	02	D	P		DRILL F/ 7973' TO 8013', 40' 26.6 FPH,WOB 14-24,RPM50-55,MMRPM 94,SPM 120,GPM 454,PU/SO/ROT 160-148-155,ON/OFF 2450-2100,DIFF 75-350
2/8/2010	0:00 - 14:30	14.50	DRLPRO	02	D	P		DRILL F/ 8013' TO 8476' 463',31.9 FPH,MW 11.5,VIS 43,WOB 24,RPM 45-50,MMRPM 94,SPM 120,GPM 454,PU/SO/ROT 175-150-165,ON/OFF 2400-2140,DIFF 80-325
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	D	P		DRILL F/ 8476' TO 8753', 277', 30.7 FPH, MW 11.6,VIS 45,WOB 22-24,RPM 45-55,MMRPM 90,SPM 115,GPM 435,PU/SO/ROT 180-162-168,ON/OFF 2440-2100,DIFF 125-350
2/9/2010	0:00 - 7:00	7.00	DRLPRO	02	D	P		DRILL F/ 8753' TO 8950' 197', 28.1 FPH, MW 11.7,VIS 43,WOB 22-24,RPM 45-50,MMRPM 90,SPM 115,GPM 435,PU/SO/ROT180-164-170,ON/OFF 2400-2100,DIFF 125-350
	7:00 - 7:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	7:30 - 0:00	16.50	DRLPRO	02	D	P		DRILL F/ 8950' TO 9396' 446',27 FPH,MW 11.9,VIS 42,WOB 23-24,RPM 45-53,MMRPM 90,SPM 115,GPM 435,PU/SO/ROT 195-165-170,ON/OFF 2650-2290,DIFF 125-400
2/10/2010	0:00 - 15:00	15.00	DRLPRO	02	D	P		DRILL F/ 9396' TO 9836' 440', 29.3 FPH, MW 12,VIS 44,WOB 18-23,RPM 45-50,MMRPM 90,SPM 115,GPM 435,PU/SO/ROT 190-170-175,ON/OFF 2600-2275,DIFF 125-350
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE ,INSPECT BRAKES & LINKAGE
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL F/ 9836' TO 10060' 664', 28.5 FPH MW 12.2 ,VIS 50, WOB 18-24,RPM 45-55,MMRPM 90,SPM 115, GPM 435,PU/SO/ROT 200-170-176,ON/OFF 2670-2300,DIFF,150-375
2/11/2010	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL F/ 10060' TO 10184' 124', 20.6 FPH,WOB 18-23,RPM 45-50,MMRPM 90,SPM 115,GPM 435,PU/SO/ROT 200-170-176,ON/OFF 2670-2300,DIFF 150-375
	6:00 - 7:00	1.00	DRLPRO	05	C	P		CIRC F/ TOOH ,PUMP PILL,BLOW OUT KELLY
	7:00 - 14:30	7.50	DRLPRO	06	A	P		TFNB, L/D DIR TOOLS,IBS , MOTOR & BIT ,TIGHT @ 6728, 5149 & WORK THROUGH TIGHT SPOT F/ 4563 TO 4509

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-14C		Spud Conductor: 12/30/2009		Spud Date: 1/21/2010	
Project: UTAH-UINTAH			Site: NBU 920-14C		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING			Start Date: 1/17/2010		End Date: 2/15/2010
Active Datum: RKB @4,826.00ft (above Mean Sea Level)			UWI: NBU 920-14C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/12/2010	14:30 - 18:00	3.50	DRLPRO	06	A	P		P/U BIT #2, NEW .16 MOTOR,MONEL TIH, FILL PIPE @ SHOE TAG @ 5202'
	18:00 - 19:00	1.00	DRLPRO	22	A	X		WORK PIPE OUT OF TIGHT SPOT @ 5202
	19:00 - 20:00	1.00	DRLPRO	03	E	X		WASH & REAM F/ 5202' TO 5307'
	20:00 - 21:00	1.00	DRLPRO	06	A	P		TIH ,TAG @ 8520'
	21:00 - 22:30	1.50	DRLPRO	03	E	X		WASH & REAM F/ 8520' TO 8562', RUN 3 JTS TAG @ 8679', WASH F/ 8679' TO 8750'
	22:30 - 23:30	1.00	DRLPRO	06	A	P		FINISH TIH
	23:30 - 0:00	0.50	DRLPRO	03	E	P		WASH 35' TO BTM,35' FILL
	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRILL F/ 10184' TO 10617' 433', 30.9 FPH,WOB 18-22,RPM 45,MMRPM 86,SPM 110,GPM 416,PU/SO/ROT 205-185-200,ON/OFF 2600-2170,DIFF 200-450
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRILL F/ 10617' TO 10850' 233', 27.4 FPH,MW 12.6,VIS 45,WOB 18-23,RPM 45,MMRPM 86,SPM 110,GPM 416,PU/SO/ROT 215-180-200,ON/OFF 2625-2200,200-450
2/13/2010	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRILL F/ 10850' TO 10863' TD @ 00:30 2/13/2010
	0:30 - 2:30	2.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP ,PUMP PILL,BLOW KELLY
	2:30 - 11:00	8.50	DRLPRO	06	E	P		SHORT TRIP TO CSG SHOE, TIGHT 6762-6918,5176-5173,4617-4694 RUN THROUGH SEVERAL TIMES,HOLE CLEAN ON TRIP IN RIG SERVICE
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	11:30 - 14:00	2.50	DRLPRO	05	C	P		CIRC F/ LDDP,SAFETY MEETING W/ RIG CREW & L/D CREW, R/U L/D MAHINE,DROP MULTI SHOT,PUMP PILL,BLOW KELLY
2/14/2010	14:00 - 0:00	10.00	DRLPRO	06	A	P		LDDP,BREAK KELLY,L/D BHA
	0:00 - 0:30	0.50	DRLPRO	24	A	P		PULL WEAR RING
	0:30 - 9:30	9.00	DRLPRO	11	C	P		S/M W/ RIG CREW & LOGGERS,R/U & RUN TRIPLE COMBO ,LOGGERS DEPTH 10862', TOOL FAILURE F/ 10862' TO 9880,LOG OUT F/ 9880', R/D LOGGERS
	9:30 - 19:00	9.50	DRLPRO	12	C	P		SAFETY MEETING W/ RIG CREW & CASERS,R/U & RUN 256 JTS TOTAL 4.5,11.6 30 JTS P-110,226 JTS I-80 SHOE DEPTH 10853',FLOAT 10809', MARKER JT 5231',R/D CASERS
	19:00 - 20:30	1.50	DRLPRO	05	D	P		CIRC F/ CEMENT
2/15/2010	20:30 - 0:00	3.50	DRLPRO	12	E	P		SAFETY MEETING W/ RIG CREW & CEMENTERS,R/U & PUMP 40 BBLS FRESH,580 SX LEAD 12.7#,1.89 YIELD,1350 SX TAIL 14.3#,1.31 YIELD,DISPLACE W/ 168 BBLS CLAY TREAT WATER,BUMP PLUG 3900 PSI,FINAL LIFT PRESSURE 3400,FLOATS HELD,30 BBLS TAIL CMT BACK TO PIT, WASH OUT BOP
	0:00 - 1:00	1.00	DRLPRO	12	B	P		R/D CEMENTERS
	1:00 - 2:30	1.50	DRLPRO	24	A	P		SET & TEST PACK OFF ASSEMBLY TO 5000 PSI
	2:30 - 6:00	3.50	DRLPRO	14	A	P		NIPPLE DOWN BOP,CLEAN PITS ,RELEASE RIG @ 06:00 2/15/2010 TO NBU 920-14C,RDRT

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-14C		Spud Conductor: 12/30/2009	Spud Date: 1/21/2010
Project: UTAH-UINTAH		Site: NBU 920-14C	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING		Start Date: 1/17/2010	End Date: 2/15/2010
Active Datum: RKB @4,826.00ft (above Mean Sea Level)		UWI: NBU 920-14C	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 6:00	0.00	DRLPRO					<p>NOTES: 1. All depths entered are to be from KB of the rig doing the work 2. Copy and paste the below information into the last daily operations report in the time summary following all daily information. Enter a new row with th "from/to" time the same as the previous "to" time so no additional time is added to the time.</p> <p>CONDUCTOR CASING: Cond. Depth set: 44 Cement sx used:</p> <p>SPUD DATE/TIME: 1/21/2010 21:00</p> <p>SURFACE HOLE: Surface From depth:14 Surface To depth: 2,794 Total SURFACE hours: 24.50 Surface Casing size: 8 5/8 # of casing joints ran: 63 Casing set MD:2,757.9 # sx of cement:660 Cement blend (ppg:):LEAD 11.0, TAIL 15.8, TOPOUT 15.8 Cement yield (ft3/sk): LEAD 1.15, TAIL 3.82, TOPOUT 1.15 # of bbls to surface: 2 BBLS LEAD Describe cement issues: Describe hole issues:</p> <p>PRODUCTION: Rig Move/Skid start date/time: 1/31/2010 23:59 Rig Move/Skid finish date/time:2/3/2010 2:00 Total MOVE hours: 50.0 Prod Rig Spud date/time: 1/4/2010 0:00 Rig Release date/time: 2/15/2010 6:00 Total SPUD to RR hours: 1014.0 Planned depth MD 10,863 Planned depth TVD 10,863 Actual MD: 10,863 Actual TVD: 10,860 Open Wells \$: \$908,379 AFE \$: \$1,067,485 Open wells \$/ft:\$83.62</p> <p>PRODUCTION HOLE: Prod. From depth: 2,794 Prod. To depth:10,863 Total PROD hours: 187 Production Casing size: 4.5", 11.6# # of casing joints ran: 256 Casing set MD:10,853.0 # sx of cement:580 LEAD , 1350 TAIL Cement blend (ppg:):12.7 PPG LEAD , 14.3 PPG TAIL Cement yield (ft3/sk): 1.89 LEAD , 1.31 TAIL Est. TOC (Lead & Tail) or 2 Stage : LEAD TO SURFACE , TAIL 3000' Describe cement issues: Describe hole issues:</p> <p>DIRECTIONAL INFO: KOP: Max angle:</p>

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-14C		Spud Conductor: 12/30/2009		Spud Date: 1/21/2010				
Project: UTAH-UINTAH		Site: NBU 920-14C		Rig Name No: PIONEER 69/69, PROPETRO/				
Event: DRILLING		Start Date: 1/17/2010		End Date: 2/15/2010				
Active Datum: RKB @4,826.00ft (above Mean Sea Leve		UWI: NBU 920-14C						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								Departure: Max dogleg MD:

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-14C	Spud Conductor: 12/30/2009	Spud Date: 1/21/2010
Project: UTAH-UINTAH	Site: NBU 920-14C	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 3/18/2010	End Date: 3/24/2010
Active Datum: RKB @4,826.00ft (above Mean Sea Level) UWI: NBU 920-14C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/18/2010	7:00 - 7:15	0.25	COMP	48		P		JSA PU PIPE SAFELY
	7:15 - 18:00	10.75	COMP	30		P		MOVE IN SPOT RIG & EQUIP EQUIP RIG UP RIG NU BOPS RU FLOOR & TUB EQUIP PU 3-7/8" BIT & BIT SUB PU PIPE PU PWR SWWL C/O TO 10798' CIRC CLEAN POOH , RD FLOOR & TUB EQUIP ND BOPS, NU FRAC VALVES SWIFN.
3/19/2010	7:00 - 7:15	0.25	COMP	48		P		JSA LOCK OUT ON MAINT
	7:15 - 15:00	7.75	COMP	30		P		NU TESTERS PRESS TEST CASING & FRAC VALVES TO 7000# RU CUTTERS RIH W/ PERF GUN 3-3/8" EXPEND .036" HOLE SHOOT 1ST STAGE MESA VERDE. 10760'-10766' 4 SPF, 90* PH, 24 HOLES 10576'-10580', 4SPF, 90* PH, 16 HOLES SHUT IN WELL SDFW FRAC MON. HSM. FRACING & PERFORATING.
3/22/2010	6:30 - 7:00	0.50	COMP	48		P		MIRU CUTTERS & SUPERIOR TO PERFERATE & FRAC. PRIME UP PUMPS & LINES & PRESSUIRE TEST SURFACE EQUIPMENT TO 8,000 PSI. STG 1) WHP 1,790 PSI, BRK @ 4,180 PSI @ 4.8 BPM, ISIP 3,805 PSI, FG .79. PUMP 100 BBLs @ 48.8 BPM @ 6,560 PSI = 64% OF HOLES OPEN. MP 7,000 PSI, MR 51.2 BPM, AP 6,245 PSI, AR 43.5 BPM, ISIP 3,334 PSI, FG .75, NPI - 471 PSI. PUMP 848 BBLs OF SW & 15,541 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 20,541 LBS.
	7:00 - 7:46	0.77	COMP	36	B	P		
	7:46 - 9:52	2.10	COMP	36	B	P		STG 2) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES 120 DEG PHASING. RIH SET CBP @ 10,504' & PERF 10,470'-74' 3SPF, 10,440'-46' 3SPF, 10,408'-12' 3SPF, 42 HOLES. WHP 1,790 PSI, BRK @ 3,816 PSI @ 4.7 BPM, ISIP 3,313 PSI, FG .79. PUMP 100 BBLs @ 50 BPM @ 6,290 PSI = 68% OF HOLES OPEN. MP 6,809 PSI, MR 51.9 BPM, AP 5,950 PSI, AR 49.8 BPM, ISIP 3,580 PSI, FG .78, NPI 267 PSI. PUMP 1,955 BBLs OF SW & 68,766 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 73,781 LBS.
9:52 - 11:45	1.88	COMP	36	B	P		STG 3) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES 120 DEG PHASING. RIH SET CBP @ 10,370' & PERF 10,338'-40' 3SPF, 10,298'-302' 3SPF, 10,232'-36' 3SPF, 10,141'-44' 3SPF, 39 HOLES. WHP 1,595 PSI, BRK @ 3,629 PSI @ 4.7 BPM, ISIP 2,822 PSI, FG .71. PUMP 100 BBLs @ 50.1 BPM @ 6,105 PSI = 64% OF HOLES OPEN. MP 6,900 PSI, MR 51.8 BPM, AP 6,047 PSI, AR 49.1 BPM, ISIP 3,373 PSI, FG .77, NPI 551 PSI. PUMP 1,607 BBLs OF SW & 58,578 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 63,578 LBS.	

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-14C		Spud Conductor: 12/30/2009		Spud Date: 1/21/2010	
Project: UTAH-UINTAH		Site: NBU 920-14C		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 3/18/2010		End Date: 3/24/2010	
Active Datum: RKB @4,826.00ft (above Mean Sea Leve			UWI: NBU 920-14C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:45 - 13:57	2.20	COMP	36	B	P		STG 4) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES 120 DEG PHASING. RIH SET CBP @ 10,014' & PERF 9,981'-84' 3SPF, 9,956'-60' 3SPF, 9,908'-10' 3SPF, 9,800'-04' 3SPF, 39 HOLES. WHP 970 PSI, BRK @ 4,358 PSI @ 4.8 BPM, ISIP 2,780 PSI, FG .72. PUMP 100 BBLS @ 48.2 BPM @ 6,200 PSI = 66% OF HOLES OPEN. MP 6,473 PSI, MR 52.4 BPM, AP 5,429 PSI, AR 49.6 BPM, ISIP 3,060 PSI, FG .75, NPI 280 PSI. PUMP 1,658 BBLS OF SW & 47,385 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 52,385 LBS. WE HAD A WELL HEAD LEAK & HAD TO FLUSH & START JOB OVER.
	13:57 - 15:20	1.38	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 @ 9,716' & PERF 9,682'-86' 4SPF, 9,632'-38' 4SPF, 40 HOLES. WHP 880 PSI, BRK @ 3,563 PSI @ 5.1 BPM, ISIP 2,518 PSI, FG .70. PUMP 100 BBLS @ 50.3 BPM @ 5,815 PSI = 70% OF HOLES OPEN. MP 6,352 PSI, MR 51.4 BPM, AP 5,665 PSI, AR 49.3 BPM, ISIP 3,145 PSI, FG .76, NPI 280 PSI. PUMP 627 BBLS OF SW & 24,503 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 29,503 LBS.
	15:20 - 17:30	2.17	COMP	36	B	P		STG 6) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES 120 DEG PHASING. RIH SET CBP @ 9,418' & PERF 9,384'-88' 3SPF, 9,342'-46' 3SPF, 9,284'-86' 3SPF, 9,147'-50' 3SPF, 39 HOLES. WHP 700 PSI, BRK @ 3,285 PSI @ 5 BPM, ISIP 2,755 PSI, FG .74. PUMP 100 BBLS @ 50 BPM @ 5,900 PSI = 66% OF HOLES OPEN. MP 6,104 PSI, MR 53.4 BPM, AP 5,345 PSI, AR 49.4 BPM, ISIP 3,325 PSI, FG .78, NPI 570 PSI. PUMP 2,410 BBLS OF SW & 90,757 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 95,757 LBS.
	17:30 - 19:00	1.50	COMP	34	H	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 @ 9,032' & PERF 8,998'-02' 3SPF, 8,968'-70' 3SPF, 8,910'-12' 4SPF, 8,808'-10' 4SPF, 8,782'-84' 3SPF, 40 HOLES. POOH W / WIRE LINE. WINTERIZE WELL HEAD. SWI SDFN.
3/23/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:00 - 7:38	0.63	COMP	36	B	P		STG 7) WHP 1,760 PSI, BRK @ 3,225 PSI @ 4.8 BPM, ISIP 2,510 PSI, FG .72. PUMP 100 BBLS @ 50 BPM @ 5,030 PSI = 75% OF HOLES OPEN. MP 5,952 PSI, MR 52.8 BPM, AP 4,950 PSI, AR 49.3 BPM, ISIP 2,945 PSI, FG .77, NPI 435 PSI. PUMP 1,705 BBLS OF SW & 60,326 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 65,326 LBS.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-14C		Spud Conductor: 12/30/2009		Spud Date: 1/21/2010	
Project: UTAH-UINTAH		Site: NBU 920-14C		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 3/18/2010		End Date: 3/24/2010	
Active Datum: RKB @4,826.00ft (above Mean Sea Level)			UWI: NBU 920-14C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:38 - 10:10	2.53	COMP	36	B	P		STG 8) PU 4 1/2" HALLIBURTON CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES 120 DEG PHASING. RIH SET CBP @ 8,697' & PERF 8,664'-67' 3SPF, 8,622'-26' 3SPF, 8,612'-14' 3SPF, 8,592'-96' 3SPF, 39 HOLES. WHP 1,402 PSI, BRK @ 2,789 PSI @ 5 BPM, ISIP 2,410 PSI, FG .72. PUMP 100 BBLS @ 50 BPM @ 5,200 PSI = 83% OF HOLES OPEN. MP 7,013 PSI, MR 50.3 BPM, AP 6,434 PSI, AR 42.4 BPM, ISIP 3,050 PSI, FG .79, NPI 640 PSI. PUMP 1,852 BBLS OF SW & 62,029 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 67,029 LBS. SCREENED OUT W / 6,000 LBS IN CASING & PLACED 61,029 LBS OF SAND IN THE FORMATION. FLOWED WELL BACK & REFLUSHED WELL BORE.
	10:10 - 16:00	5.83	COMP	34	I	P		KILL) PU 4 1/2" HALLIBURTON CBP & RIH SET CBP @ 8,542'. RDMO SUPERIOR & CUTTERS. ND FRAC NU BOP. PU 3 7/8" BIT & POBS & RIH TO 8,450'. RU POWER SWIVEL. PREPPED TO DLR IN AM. HSM. DRLG UNDER PRESSURE
3/24/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. DRLG UNDER PRESSURE
	7:00 - 17:00	10.00	COMP	44	C	P		WHP 0 PSI, BRK CIRCULATION W TMAC WATER. RIH C/O 0' OF SAND & TAG PLG 1 @ 8,542' DRL PLG IN 9 MIN. 1,300 PSI INCREASE. RIH C/O 30' OF SAND & TAG PLG 2 @ 8,697' DRL PLG IN 7 MIN. 900 PSI INCREASE. RIH C/O 30' OF SAND & TAG PLG 3 @ 9,032' DRL PLG IN 6 MIN. 700 PSI INCREASE. RIH C/O 30' OF SAND & TAG PLG 4 @ 9,418' DRL PLG IN 12 MIN. 300 PSI INCREASE. RIH C/O 30' OF SAND & TAG PLG 5 @ 9,716' DRL PLG IN 8 MIN. 350 PSI INCREASE. RIH C/O 30' OF SAND & TAG PLG 6 @ 10,014' DRL PLG IN 8 MIN. 200 PSI INCREASE. RIH C/O 30' OF SAND & TAG PLG 7 @ 10,370' DRL PLG IN 7 MIN. 600 PSI INCREASE. RIH C/O 30' OF SAND & TAG PLG 8 @ 10,504' DRL PLG IN 8 MIN. 300 PSI INCREASE. RIH C/O TO 10,804' PBT. CIRCULATE WELL CLEAN. POOH LD 15 JTS. LAND TBG W / 326 JTS OF 2 3/8" L-80. EOT @ 10,359'. ND BOP NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 3,820 PSI. LET BIT FALL TO BOTTOM. TURN WELL OVER TO FLOW TESTERS. WELL HEAD HANGER WAS LEAKING. 345 JTS OUTBOUND 326 JTS LANDED 19 JTS RETURNED
3/25/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2300#, TP 2525#, 20/64" CK, 50 BWPH, MED SAND, ?-GAS TTL BBLS RECOVERED: 5223 BBLS LEFT TO RECOVER: 7662

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-14C		Spud Conductor: 12/30/2009		Spud Date: 1/21/2010	
Project: UTAH-UINTAH			Site: NBU 920-14C		Rig Name No: GWS 1/1
Event: COMPLETION			Start Date: 3/18/2010		End Date: 3/24/2010
Active Datum: RKB @4,826.00ft (above Mean Sea Leve				UWI: NBU 920-14C	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/26/2010	7:00 -							7 AM FLBK REPORT: CP 2600#, TP 2750#, 20/64" CK, 50 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 6703 BBLS LEFT TO RECOVER: 6182 WELL TURNED TO SALES @ 1030 HR ON 3/26/2010 - 2400 MCFD, 1080 BWPD, CP 2900#, FTF 2750#, CK 20/64"
	10:30 - 0:00	13.50	PROD	50				
3/27/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2800#, TP 2725#, 20/64" CK, 38 BWPH, MED SAND, - GAS TTL BBLS RECOVERED: 7699 BBLS LEFT TO RECOVER: 5186
3/28/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 3725#, TP 2725#, 18/64" CK, 30 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 8452 BBLS LEFT TO RECOVER: 4433



END OF WELL REPORT

Prepared For:

Kerr McGee Oil & Gas Onshore LP

NBU 920-14C

NBU 920-14C Pad

Pioneer 69

Uintah County, UT

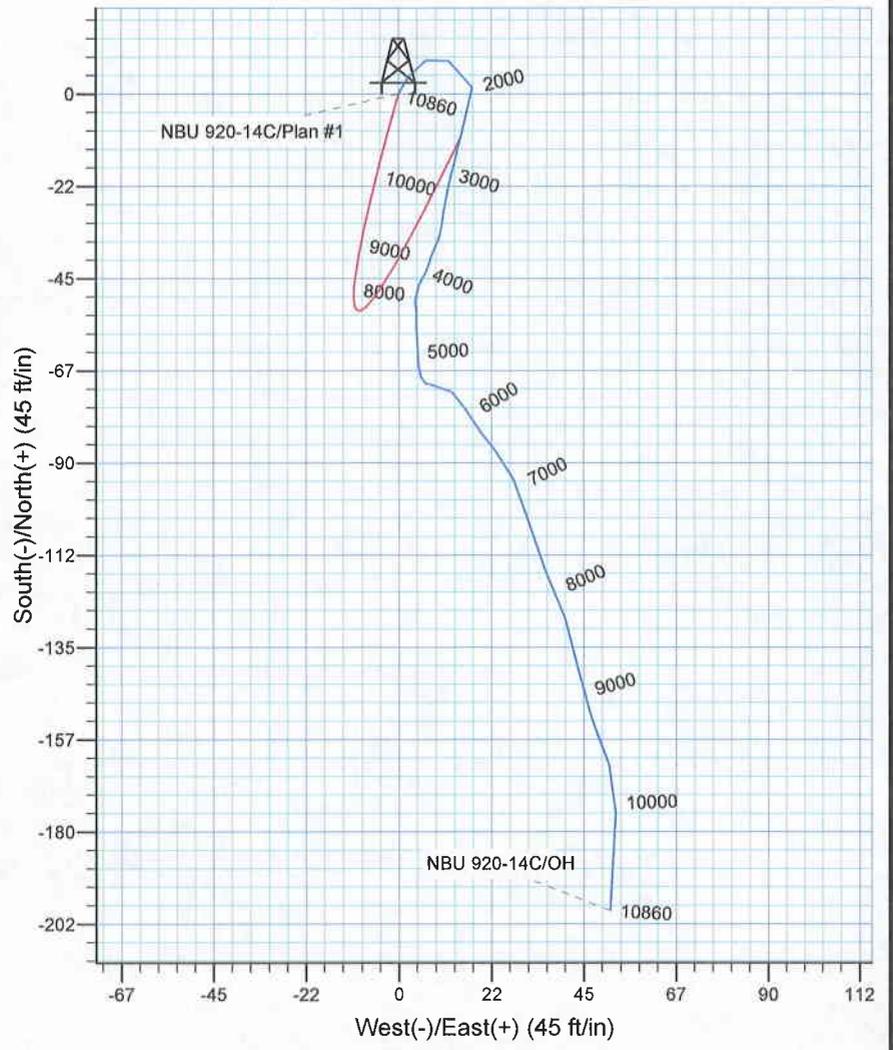
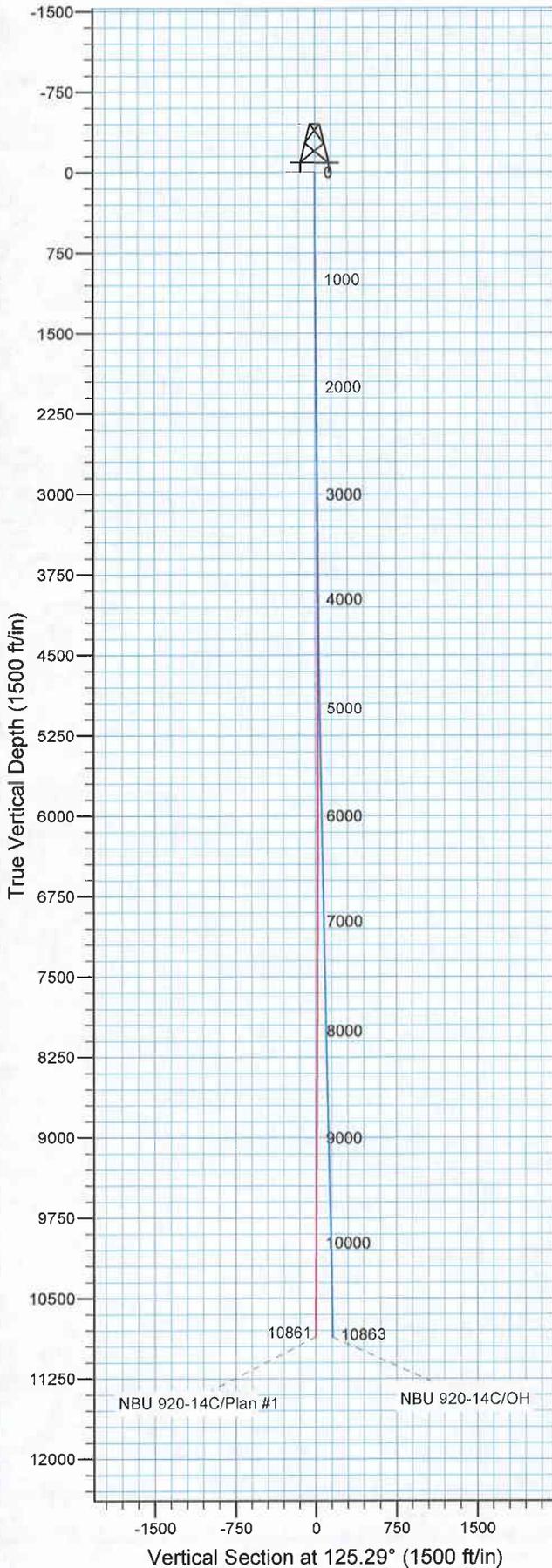
Prepared By:

Rex Hall, Grand Junction D.E.

Scientific Drilling

Rocky Mountain Region

Scientific Drilling International
7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621
rex.hall@scientificdrilling.com



WELL DETAILS: NBU 920-14C

Ground Level: 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 14544030.91 2022135.20 40° 2' 28.925 N 109° 38' 10.329 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well NBU 920-14C, True North
 Vertical (TVD) Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
 Calculation Method: Minimum Curvature
 Local North: True
 Location: Sec 14 T9S R20E

PROJECT DETAILS: Uintah County, UT UTM12

Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 - Western US
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)

Design: OH (NBU 920-14C/OH)

Created By: Rex Hall Date: 2010-02-26



Kerr McGee Oil and Gas Onshore LP

**Uintah County, UT UTM12
NBU 920-14C Pad
NBU 920-14C
OH**

Design: OH

Standard Survey Report

26 February, 2010



Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 920-14C Pad
Well: NBU 920-14C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 920-14C
TVD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
MD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 920-14C Pad, Sec 14 T9S R20E				
Site Position:	Northing:	14,544,030.91 ft	Latitude:	40° 2' 28.925 N	
From:	Lat/Long	Eastng:	2,022,135.20 ft	Longitude:	109° 38' 10.329 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.88 °

Well	NBU 920-14C, 477' FNL & 1890' FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,544,030.91 ft	Latitude:	40° 2' 28.925 N
	+E/-W	0.00 ft	Eastng:	2,022,135.20 ft	Longitude:	109° 38' 10.329 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,808.00 ft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/31/2009	11.31	65.92	52,509

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	125.29	

Survey Program	Date	2/26/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
14.00	2,734.00	Survey #1 (OH)	NS-GYRO-SS	NS Gyro single shots	
2,846.00	10,863.00	Survey #2 - Production (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	
554.00	1.00	30.70	553.97	4.05	2.41	-0.38	0.19	0.19	0.00	
First Anadarko Surface Survey										
1,374.00	0.90	109.90	1,373.89	8.01	12.11	5.26	0.15	-0.01	9.66	
2,734.00	1.40	205.50	2,733.71	-10.62	15.01	18.38	0.13	0.04	7.03	
Last Anadarko Surface Survey										
2,846.00	1.74	185.00	2,845.87	-13.55	14.27	19.47	0.58	0.30	-18.30	
First SDI Production MWD Survey										
2,935.00	2.00	197.24	2,934.62	-16.38	13.89	20.64	0.53	0.29	13.75	
3,030.00	1.89	196.23	3,029.56	-19.47	12.76	21.66	0.12	-0.12	-1.06	
3,122.00	1.95	189.11	3,121.51	-22.47	12.09	22.85	0.27	0.07	-7.74	

Company: Kerr McGee Oil and Gas Onshore LP
 Project: Uintah County, UT UTM12
 Site: NBU 920-14C Pad
 Well: NBU 920-14C
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well NBU 920-14C
 TVD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
 MD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,219.00	1.64	192.28	3,218.47	-25.45	11.53	24.12	0.34	-0.32	3.27
3,315.00	2.07	191.46	3,314.41	-28.49	10.90	25.36	0.45	0.45	-0.85
3,411.00	1.54	183.82	3,410.37	-31.48	10.47	26.73	0.61	-0.55	-7.96
3,505.00	1.70	194.79	3,504.33	-34.09	10.03	27.88	0.37	0.17	11.67
3,602.00	1.00	202.30	3,601.30	-36.26	9.34	28.57	0.74	-0.72	7.74
3,694.00	1.08	205.04	3,693.29	-37.79	8.67	28.91	0.10	0.09	2.98
3,789.00	1.43	198.07	3,788.26	-39.73	7.92	29.42	0.40	0.37	-7.34
3,884.00	0.44	195.22	3,883.25	-41.21	7.46	29.89	1.04	-1.04	-3.00
4,074.00	1.15	202.53	4,073.23	-43.67	6.53	30.56	0.38	0.37	3.85
4,265.00	0.96	214.14	4,264.20	-46.77	4.90	31.02	0.15	-0.10	6.08
4,549.00	0.75	166.50	4,548.17	-50.55	4.00	32.46	0.25	-0.07	-16.77
4,834.00	1.82	181.01	4,833.09	-56.88	4.36	36.42	0.39	0.38	5.09
5,115.00	2.01	174.25	5,113.94	-66.25	4.77	42.17	0.10	0.07	-2.41
5,402.00	1.16	86.16	5,400.86	-71.06	8.17	47.72	0.80	-0.30	-30.69
5,685.00	1.05	134.97	5,683.81	-72.70	12.87	52.50	0.32	-0.04	17.25
5,972.00	1.24	149.04	5,970.75	-77.23	16.32	57.94	0.12	0.07	4.90
6,288.00	1.21	142.36	6,286.68	-82.80	20.12	64.26	0.05	-0.01	-2.11
6,572.00	0.96	141.77	6,570.63	-87.04	23.42	69.40	0.09	-0.09	-0.21
6,950.00	1.52	151.34	6,948.54	-93.93	27.79	76.94	0.16	0.15	2.53
7,361.00	1.52	169.08	7,359.40	-104.07	31.44	85.78	0.11	0.00	4.32
7,836.00	1.66	153.89	7,834.22	-116.43	35.66	96.36	0.09	0.03	-3.20
8,309.00	1.41	161.82	8,307.05	-128.11	40.49	107.06	0.07	-0.05	1.68
8,783.00	1.48	168.88	8,780.90	-139.66	43.49	116.17	0.04	0.01	1.49
9,256.00	1.67	160.64	9,253.72	-152.15	46.95	126.22	0.06	0.04	-1.74
9,700.00	1.56	160.18	9,697.54	-163.94	51.14	136.45	0.02	-0.02	-0.10
10,106.00	1.80	183.14	10,103.37	-175.51	52.67	144.38	0.17	0.06	5.66

Last SDI Production MWD Survey

10,863.00	1.80	183.14	10,860.00	-199.25	51.37	157.03	0.00	0.00	0.00
-----------	------	--------	-----------	---------	-------	--------	------	------	------

Projection To TD

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
NBU 920-14C PBHL Hai	0.00	0.00	-3.00	17.00	0.00	14,544,047.90	2,022,134.94	40° 2' 29.093 N	109° 38' 10.329 W
- hit/miss target									
- actual wellpath misses target center by 17.26ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Shape									
- Rectangle (sides W0.00 H450.00 D0.00)									
NBU 920-14C PBHL	0.00	0.00	10,860.00	0.00	0.00	14,544,030.91	2,022,135.20	40° 2' 28.925 N	109° 38' 10.329 W
- actual wellpath misses target center by 205.67ft at 10856.84ft MD (10853.84 TVD, -199.06 N, 51.38 E)									
- Circle (radius 200.00)									

Checked By: _____ Approved By: _____ Date: _____



Kerr McGee Oil and Gas Onshore

LP

Uintah County, UT UTM12

NBU 920-14C Pad

NBU 920-14C

OH

Design: OH

Survey Report - Geographic

26 February, 2010





Scientific Drilling International
Survey Report - Geographic



Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 920-14C Pad
Well: NBU 920-14C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 920-14C
TVD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
MD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 920-14C Pad, Sec 14 T9S R20E		
Site Position:		Northing:	14,544,030.91 ft
From:	Lat/Long	Easting:	2,022,135.20 ft
Position Uncertainty:	0.00 ft	Slot Radius:	in
		Latitude:	40° 2' 28.925 N
		Longitude:	109° 38' 10.329 W
		Grid Convergence:	0.88 °

Well	NBU 920-14C, 477' FNL & 1890' FWL		
Well Position	+N/-S	0.00 ft	Northing: 14,544,030.91 ft
	+E/-W	0.00 ft	Easting: 2,022,135.20 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 2' 28.925 N
		Longitude:	109° 38' 10.329 W
		Ground Level:	4,808.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	12/31/2009	11.31	65.92	52,509

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	125.29	

Survey Program	Date	2/26/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
14.00	2,734.00	Survey #1 (OH)	NS-GYRO-SS	NS Gyro single shots	
2,846.00	10,863.00	Survey #2 - Production (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 920-14C Pad
Well: NBU 920-14C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 920-14C
TVD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
MD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,544,030.91	2,022,135.20	40° 2' 28.925 N	109° 38' 10.329 W
14.00	0.00	0.00	14.00	0.00	0.00	14,544,030.91	2,022,135.20	40° 2' 28.925 N	109° 38' 10.329 W
554.00	1.00	30.70	553.97	4.05	2.41	14,544,034.99	2,022,137.54	40° 2' 28.965 N	109° 38' 10.298 W
First Anadarko Surface Survey									
1,374.00	0.90	109.90	1,373.89	8.01	12.11	14,544,039.10	2,022,147.19	40° 2' 29.004 N	109° 38' 10.173 W
2,734.00	1.40	205.50	2,733.71	-10.62	15.01	14,544,020.52	2,022,150.36	40° 2' 28.820 N	109° 38' 10.136 W
Last Anadarko Surface Survey									
2,846.00	1.74	185.00	2,845.67	-13.55	14.27	14,544,017.58	2,022,149.67	40° 2' 28.791 N	109° 38' 10.146 W
First SDI Production MWD Survey									
2,935.00	2.00	197.24	2,934.62	-16.38	13.69	14,544,014.74	2,022,149.14	40° 2' 28.763 N	109° 38' 10.153 W
3,030.00	1.89	196.23	3,029.56	-19.47	12.76	14,544,011.64	2,022,148.26	40° 2' 28.732 N	109° 38' 10.165 W
3,122.00	1.95	189.11	3,121.51	-22.47	12.09	14,544,008.63	2,022,147.63	40° 2' 28.703 N	109° 38' 10.174 W
3,219.00	1.64	192.28	3,218.47	-25.45	11.53	14,544,005.63	2,022,147.12	40° 2' 28.673 N	109° 38' 10.181 W
3,315.00	2.07	191.46	3,314.41	-28.49	10.90	14,544,002.58	2,022,146.53	40° 2' 28.643 N	109° 38' 10.189 W
3,411.00	1.54	183.82	3,410.37	-31.48	10.47	14,543,999.59	2,022,146.14	40° 2' 28.614 N	109° 38' 10.194 W
3,505.00	1.70	194.79	3,504.33	-34.09	10.03	14,543,996.97	2,022,145.74	40° 2' 28.588 N	109° 38' 10.200 W
3,602.00	1.00	202.30	3,601.30	-36.26	9.34	14,543,994.79	2,022,145.09	40° 2' 28.566 N	109° 38' 10.209 W
3,694.00	1.08	205.04	3,693.29	-37.79	8.67	14,543,993.25	2,022,144.44	40° 2' 28.551 N	109° 38' 10.218 W
3,789.00	1.43	198.07	3,788.26	-39.73	7.92	14,543,991.30	2,022,143.72	40° 2' 28.532 N	109° 38' 10.227 W
3,884.00	0.44	195.22	3,883.25	-41.21	7.46	14,543,989.81	2,022,143.28	40° 2' 28.517 N	109° 38' 10.233 W
4,074.00	1.15	202.53	4,073.23	-43.67	6.53	14,543,987.34	2,022,142.40	40° 2' 28.493 N	109° 38' 10.245 W
4,265.00	0.96	214.14	4,264.20	-46.77	4.90	14,543,984.22	2,022,140.81	40° 2' 28.462 N	109° 38' 10.266 W
4,549.00	0.75	166.50	4,548.17	-50.55	4.00	14,543,980.43	2,022,139.97	40° 2' 28.425 N	109° 38' 10.278 W
4,834.00	1.82	181.01	4,833.09	-56.88	4.36	14,543,974.09	2,022,140.42	40° 2' 28.363 N	109° 38' 10.273 W
5,115.00	2.01	174.25	5,113.94	-66.25	4.77	14,543,964.74	2,022,140.98	40° 2' 28.270 N	109° 38' 10.268 W
5,402.00	1.16	86.16	5,400.86	-71.06	8.17	14,543,959.98	2,022,144.46	40° 2' 28.222 N	109° 38' 10.224 W
5,685.00	1.05	134.97	5,683.81	-72.70	12.87	14,543,958.41	2,022,149.18	40° 2' 28.206 N	109° 38' 10.164 W
5,972.00	1.24	149.04	5,970.75	-77.23	16.32	14,543,953.94	2,022,152.70	40° 2' 28.161 N	109° 38' 10.119 W
6,288.00	1.21	142.36	6,286.68	-82.80	20.12	14,543,948.42	2,022,156.58	40° 2' 28.106 N	109° 38' 10.070 W
6,572.00	0.96	141.77	6,570.63	-87.04	23.42	14,543,944.23	2,022,159.95	40° 2' 28.064 N	109° 38' 10.028 W
6,950.00	1.52	151.34	6,948.54	-93.93	27.79	14,543,937.41	2,022,164.42	40° 2' 27.996 N	109° 38' 9.972 W
7,361.00	1.52	169.08	7,359.40	-104.07	31.44	14,543,927.33	2,022,168.22	40° 2' 27.896 N	109° 38' 9.925 W
7,836.00	1.66	153.89	7,834.22	-116.43	35.66	14,543,915.04	2,022,172.63	40° 2' 27.774 N	109° 38' 9.870 W
8,309.00	1.41	161.82	8,307.05	-128.11	40.49	14,543,903.43	2,022,177.64	40° 2' 27.658 N	109° 38' 9.808 W
8,783.00	1.48	168.88	8,780.90	-139.66	43.49	14,543,891.93	2,022,180.82	40° 2' 27.544 N	109° 38' 9.770 W
9,256.00	1.67	160.64	9,253.72	-152.15	46.95	14,543,879.49	2,022,184.47	40° 2' 27.421 N	109° 38' 9.725 W
9,700.00	1.56	160.18	9,697.54	-163.94	51.14	14,543,867.77	2,022,188.85	40° 2' 27.304 N	109° 38' 9.671 W
10,106.00	1.80	183.14	10,103.37	-175.51	52.67	14,543,856.22	2,022,190.55	40° 2' 27.190 N	109° 38' 9.652 W
Last SDI Production MWD Survey									
10,863.00	1.80	183.14	10,860.00	-199.25	51.37	14,543,832.46	2,022,189.61	40° 2' 26.955 N	109° 38' 9.668 W
Projection To TD									



Scientific Drilling International
Survey Report - Geographic



Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 920-14C Pad
Well: NBU 920-14C
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 920-14C
TVD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
MD Reference: GL 4805' & RKB 18' @ 4823.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
NBU 920-14C PBHL Hai - actual wellpath misses target center by 17.26ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) - Rectangle (sides WV0.00 H450.00 D0.00)	0.00	0.00	-3.00	17.00	0.00	14,544,047.90	2,022,134.94	40° 2' 29.093 N	109° 38' 10.329 W
NBU 920-14C PBHL - actual wellpath misses target center by 205.67ft at 10856.84ft MD (10853.84 TVD, -199.06 N, 51.38 E) - Circle (radius 200.00)	0.00	0.00	10,860.00	0.00	0.00	14,544,030.91	2,022,135.20	40° 2' 28.925 N	109° 38' 10.329 W

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
554.00	553.97	4.05	2.41	First Anadarko Surface Survey
2,734.00	2,733.71	-10.62	15.01	Last Anadarko Surface Survey
2,846.00	2,845.67	-13.55	14.27	First SDI Production MWD Survey
10,106.00	10,103.37	-175.51	52.67	Last SDI Production MWD Survey
10,863.00	10,860.00	-199.25	51.37	Projection To TD

Checked By: _____ Approved By: _____ Date: _____



Scientific Drilling
Rocky Mountain Operations

SUPPORT STAFF

D'Arcy Quinn - Rocky Mountain Region Manager
(307) 472-6621
darcy.quinn@scientificdrilling.com

Dee Bailey - Casper, WY Base Manager
(307) 472-6621
dee.bailey@scientificdrilling.com

Jack Potter - Grand Junction, CO Base Manager
(970) 245-9447
jack.potter@scientificdrilling.com

Troy Ellis - Directional Drilling Coordinator
(307) 472-6621
troy.ellis@scientificdrilling.com

Charles Paladino - Directional Drilling Coordinator
(970) 245-9447
charles.paladino@scientificdrilling.com

Justin Stetz - MWD Coordinator
(307) 472-6621
Justin.stetz@scientificdrilling.com

Johnny Aguilar - MWD Coordinator
(970) 245-9447
johnny.aguilar@scientificdrilling.com

Directional Drillers:

MWD Operator:
D. Clements, K. Temple

7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0577A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tr
1. TYPE OF WELL Gas Well	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	8. WELL NAME and NUMBER: NBU 920-14C
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	9. API NUMBER: 43047505770000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0477 FNL 1890 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

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

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

WORKORDER #:

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

API: 4304750577 LEASE#: UTU-0577A

ELEVATIONS: 4808' GL 4820' KB

TOTAL DEPTH: 10,863' PBD: 10,809'

SURFACE CASING: 8 5/8", 28# J-55 @ 2757'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 10,853'
 TOC @ 270' per CBL (with min 50' isolation)

PERFORATIONS: Mesaverde 8592' - 10,766'

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
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1783' Green River
 2606' Mahogany
 5280' Wasatch
 8576' Mesaverde

NBU 920-14C- 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 @ ~8542'. 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:

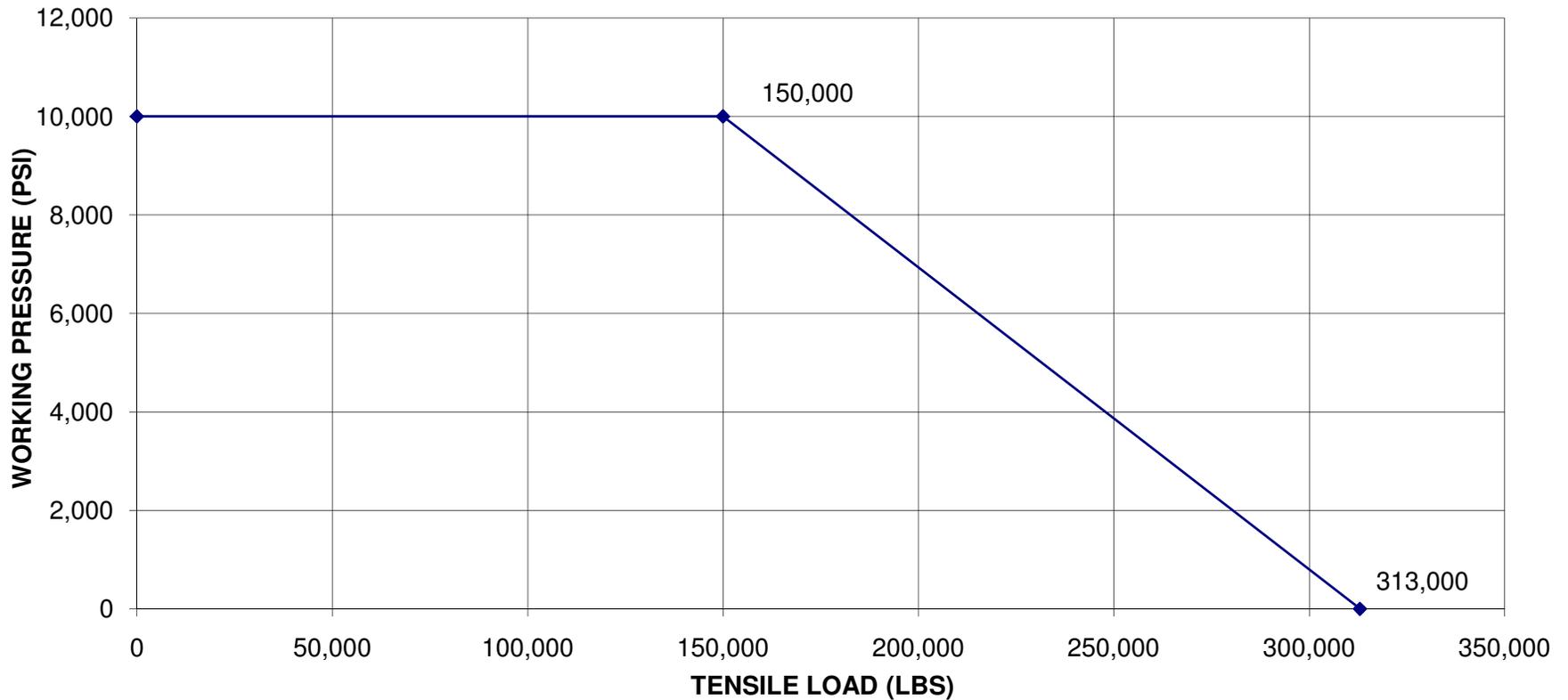
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±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 overshoot, 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 ~8492'. Clean out to PBSD (10,809').
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" overshoot. 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 ± 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 ± 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 ~8492'. Clean out to PBTD (10,809').
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

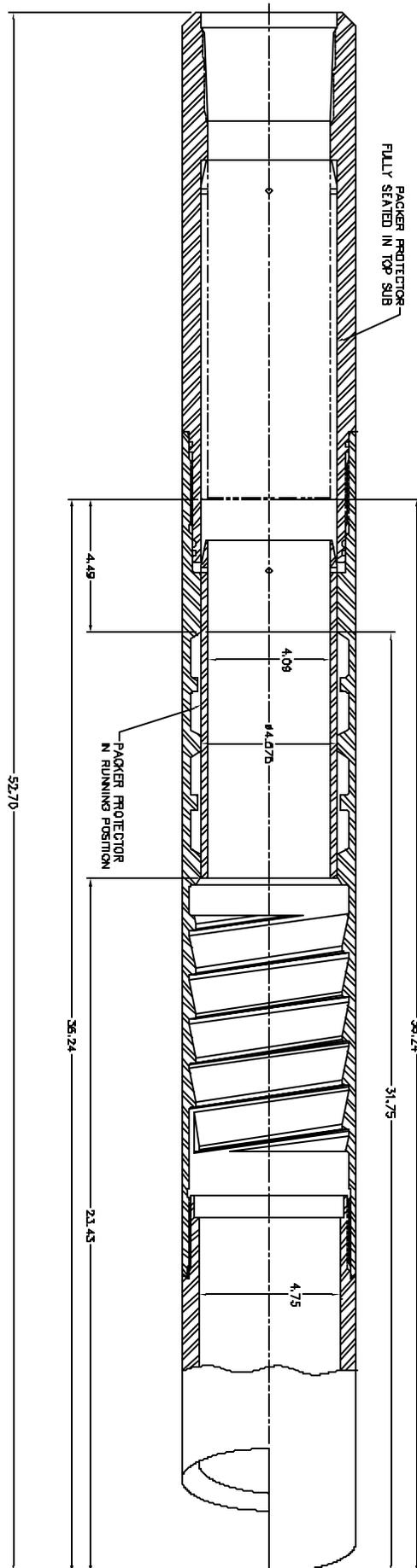


Logan High Pressure Casing Patches Assembly Procedure

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

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 920-14C			Spud Conductor: 12/30/2009			Spud Date: 1/21/2010		
Project: UTAH-UINTAH			Site: NBU 920-14C			Rig Name No: LEED 698/698		
Event: WELL WORK EXPENSE			Start Date: 11/22/2011			End Date: 11/28/2011		
Active Datum: RKB @4,826.00usft (above Mean Sea Level)				UWI: NBU 920-14C				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/21/2011	7:00 - 11:00	4.00	PROD	35				Tb 438 Cs 442 FL gc Got Clean Out Plunger up w/Well. Ran w/Up Shear Fish Tool to SN at 10394, could not latch, pulled out. Sold Well for approx. 15 to 20 min to get BSW off of Fishneck. Ran w/Up Shear Fish Tool to SN, latched, pulled Ball. Ran Up Shear Fish to SN again, could not latch on Spring, pulled out. Returned well to Production. Rigged Down. Equalized Well for Rig Job.
11/22/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW BOP'S SAFETY.
	7:30 - 8:30	1.00	MIRU	30	A	P		MIRU
	8:30 - 9:15	0.75	ALL	30	F	P		FCP. 262 PSI. FTP. 262 PSI. BLEW TBG DWN, CONTROL TBG W/ 10 BBLs, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG HANGER
	9:15 - 12:30	3.25	ALL	31	I	P		POOH 326 JTS. 2-3/8 L-80 TBG.
	12:30 - 13:30	1.00	ALL	34	I	P		RU J-W WIRELINE COMPANY, RIH & SET 4-1/2 BAKER 10K CIBP @ 8542', POOH,
	13:30 - 14:30	1.00	ALL	34	D	P		RU CMT BAILER & RIH & DUMP 2 SXS CLASS "G" CMT ON CIBP, RD J-W WIRELINE COMPANY.
	14:30 - 15:00	0.50	ALL	33	C	P		FILL CSG W/ T-MAC, P.T. CSG & CIBP TO 3000 PSI. HELD, SWI, SDFN.
11/23/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW BACK-OFF PROCEDURE
	7:30 - 8:30	1.00	ALL	47	A	P		RD FLOOR & TBG EQUIPMENT, ND BOP'S, ND CSG BOWL, CAP RING HARD TO UNSCREW, RU FLOOR, NU PWR SWVL.
	8:30 - 12:00	3.50	ALL	31	B	P		PU INTERNAL CSG CUTTER & RIH, CUT CSG 3' F/ SURFACE, POOH, LD CUTTER & CSG MANDRAL, CMT ON SURFACE, PU 7" WASHPIPE W/ SHOE, NU BOPS, MILL 10' CMT, LD WP & SHOE, ND BOP'S, PU 4-1/2 OVERSHOT, RIH, LATCH FISH, MIRU CSG CREW & WIRELINE SERVICES, BACK-OFF CSG PUP JNT, PU NEW CSG JNT, TAG CSG TOP, THREAD INTO CSG, TORQUE CSG TO 7000# W/ 14 ROUNDS, RD CSG CREW & WIRELINE SERVICES, NO STRING SHOT, PU CSG TO 100,000# TENSION.
	12:00 - 13:15	1.25	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. FOR 15 MINS, LOST 6 PSI IN 15 MINS, P.T. 4-1/2 CSG TO 3500 PSI. LOST 19 PSI. IN 30 MINS, RD B&C QUICK TEST.
	13:15 - 16:00	2.75	ALL					RU WEATHERFORD TECHNICIAN, SET C-21 SLIPS, LAND CSG W/ 85,000# TENSION, CUT-OFF & DRESS 4-1/2 CSG STUB, INSTALL "H" PLATE, FLANGE, & CROSSOVER SPOOL, TORQUE ALL 1-7/8 BOLTS, RD WEATHERFORD TECHNICIAN, NU CSG BOWL, NU BOP'S, SWI, SDFWE.
11/28/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW D/O CIBP & AIR FOAM UNIT.
	7:30 - 9:30	2.00	ALL	31	I	P		PU 3-7/8 MILL, 1.875 XN POBS, RIH 269 JTS. 2-3/8 L-80 TBG, TAG CMT @ 8535'
	9:30 - 10:30	1.00	ALL	47	A	P		NU PWR SWVL, RU TECH FOAM, INSTALL TSF, EST CIRC IN 30 MINS
	10:30 - 11:00	0.50	ALL	44	A	P		D/O CMT F/ 8535' TO 8542' IN 30 MINS

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-14C	Spud Conductor: 12/30/2009	Spud Date: 1/21/2010
Project: UTAH-UINTAH	Site: NBU 920-14C	Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE	Start Date: 11/22/2011	End Date: 11/28/2011
Active Datum: RKB @4,826.00usft (above Mean Sea Level)		UWI: NBU 920-14C

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	11:00 - 12:30	1.50	ALL	44	C	P		D/O CIBP @ 8542' IN 1HR. 30 MINS, NO INCREASE PSI., KILL TBG, RD PWR SWVL, POOH 2 JTS, REMOVE TSF,
	12:30 - 13:30	1.00	ALL	31	I	P		RIH 57 JTS. F/ DERRICK, PU & RIH 14 JTS. 2-3/8 L-80 TBG F/ TRAILER, TAG SAND @ 10,767' INSTALL TSF, RU PWR SWVL, EST CIRC IN 10 MINS
	13:30 - 14:30	1.00	ALL	44	D	P		C/O SAND F/ 10,767' TO 10,803' (36') IN 45 MINS, TAG OLD POBS @ 10,803',CIRC WELL CLEAN, KILL TBG, ND PWR SWVL, POOH LD 2 JTS. REMOVE TSF, DROP BALL, PUMP MILL-OFF @ 1750 PSI. RU TECH FOAM.
	14:30 - 17:30	3.00	ALL	31	I	P		POOH & LD 13 JTS. ON TRAILER, LAND TBG, 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 920-14F IN A.M.
TBG DETAIL								
KB-----								
-----18'								
HANGER-----								
-----83"								
326 JTS. 2-3/8 L-80 TBG @-----								
-10,338.10'								
1.875 XN POBS-----								
-----2.20'								
EOT @-----								
-10,359.13'								
TOP PERF @ 8592'								
BTM PERF @ 10,766'								
PBTD @ 10,809'								
C/O TO 10,803' TAG OLD POBS.								
WLTR. 78 BBLs.								
API # 4304750577								