

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-000577B
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 Ute Tribe
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7. If Unit or CA Agreement, Name and No. 891008900A
3a. Address PO Box 173779 Denver, CO 80217-3779		8. Lease Name and Well No. NBU 920-22I
3b. Phone No. (include area code) Raleen White 720-929-6666		9. API Well No. 43-047-40544
4. Location of well (Report location clearly and in accordance with any State requirements. *) At surface 1,965' FSL 599' FEL NE/4 SE/4 Lat. 40.018943 Long. -109.645317 At proposed prod. zone 615661x 4430528y 40.018927 -109.644705		10. Field and Pool, or Exploratory Natural Buttes Field
14. Distance in miles and direction from the nearest town or post office* Approximately 38 miles south of Vernal, Utah		11. Sec., T., R., M., or Blk. and Survey or Area 22 T 9S R 20E S.L.B. & M.
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 599'	16. No. of acres in lease 400.00	12. County or Parish Uintah
17. Spacing Unit dedicated to this well Unit well	13. State Utah	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. ±900'	19. Proposed Depth 10,600'	20. BLM/ BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, RT, GR, etc.) 4,937' GR KB	22. Aproximate date work will start* ASAP	23. Estimated duration 10 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:

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 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). | <ol style="list-style-type: none"> 4. Bond to cover the operations unless covered by existing bond on file(see item 20 above). 5. Operator certification. 6. Such other site specific information and/ or plans as may be required by the a authorized officer. |
|---|--|

25. Signature 	Name (Printed/ Typed) Raleen White	Date 2-13-2009
Title Sr Regulatory Analyst	E-mail: raleen.white@anadarko.com	Phone: 720-929-6666
Approved By (Signature) 	Name (Printed/ Typed) BRADLEY G. HILL	Date 03-02-09
Title	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that 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.

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.

*(Instructions on page 2)

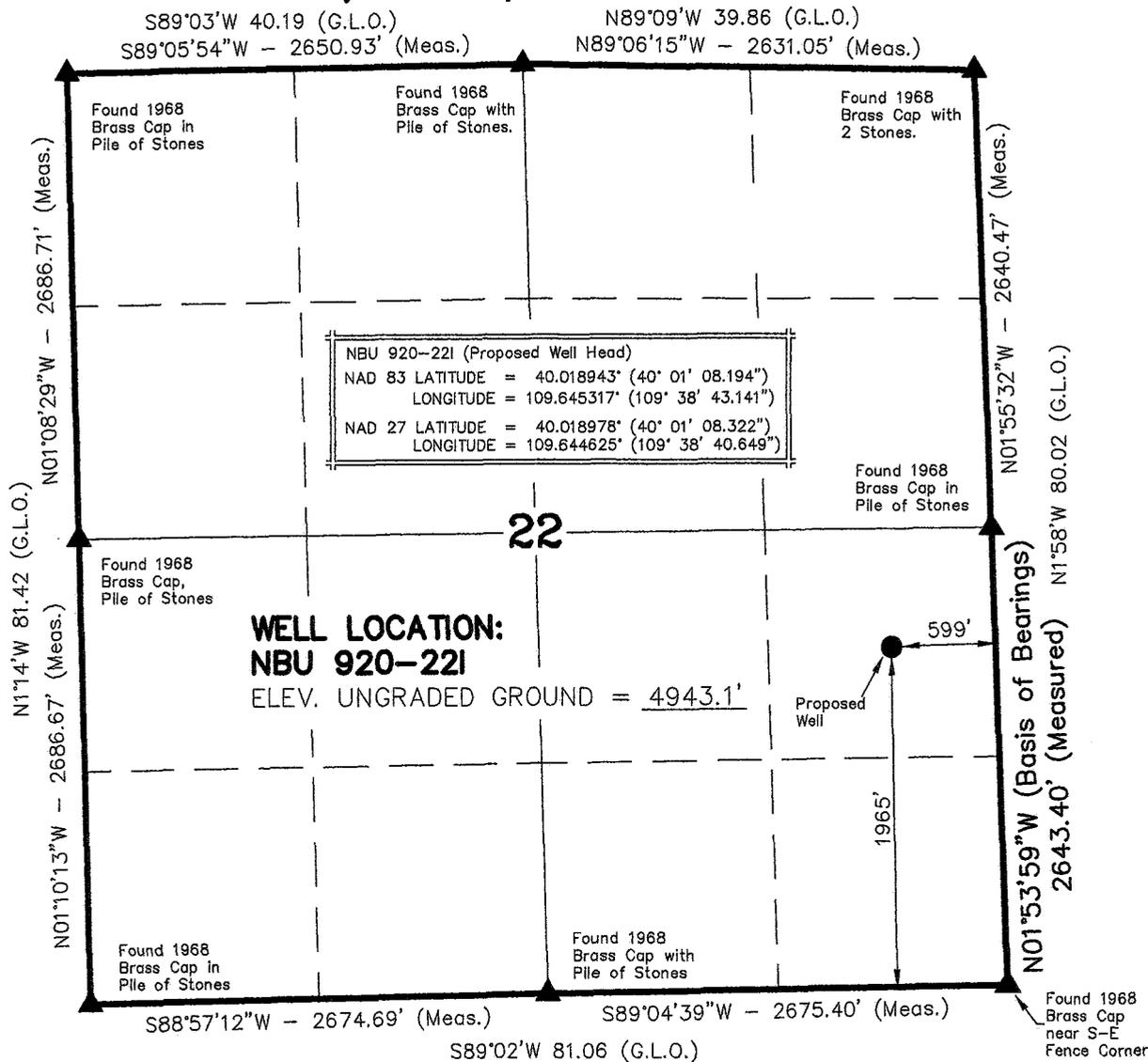
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FEB 17 2009

**Federal Approval of this
Action is Necessary**

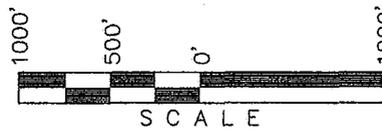
DIV. OF OIL, GAS & MINING

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



NOTES:

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



SURVEYOR'S CERTIFICATE

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

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

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

NBU 920-221
 WELL PLAT
 1965' FSL, 599' FEL
 NE ¼ SE ¼ OF SECTION 22, 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

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 12-05-08	SURVEYED BY: D.J.S.	SHEET 1 OF 9
DATE DRAWN: 01-12-09	DRAWN BY: K.K.O.	
SCALE: 1" = 1000'		

NBU 920-22I
NESE Sec. 22, T9S R20E
UINTAH COUNTY, UTAH
UTU-000577B

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	1,794'	
Birds Nest	2,035'	Water
Mahogany	2,549'	Water
Wasatch	5,186'	Gas
Mesaverde	8,482'	Gas
MVU2	9,445'	Gas
MVL1	9,895'	Gas
TD	10,600'	

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

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

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

Please see the Natural Buttes Unit SOP. See attached drilling diagram.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,600' TD, approximately equals 6,769 psi (calculated at 0.64 psi/foot).

Maximum anticipated surface pressure equals approximately 4,437 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. Variances:

Please see Natural Buttes Unit SOP 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.

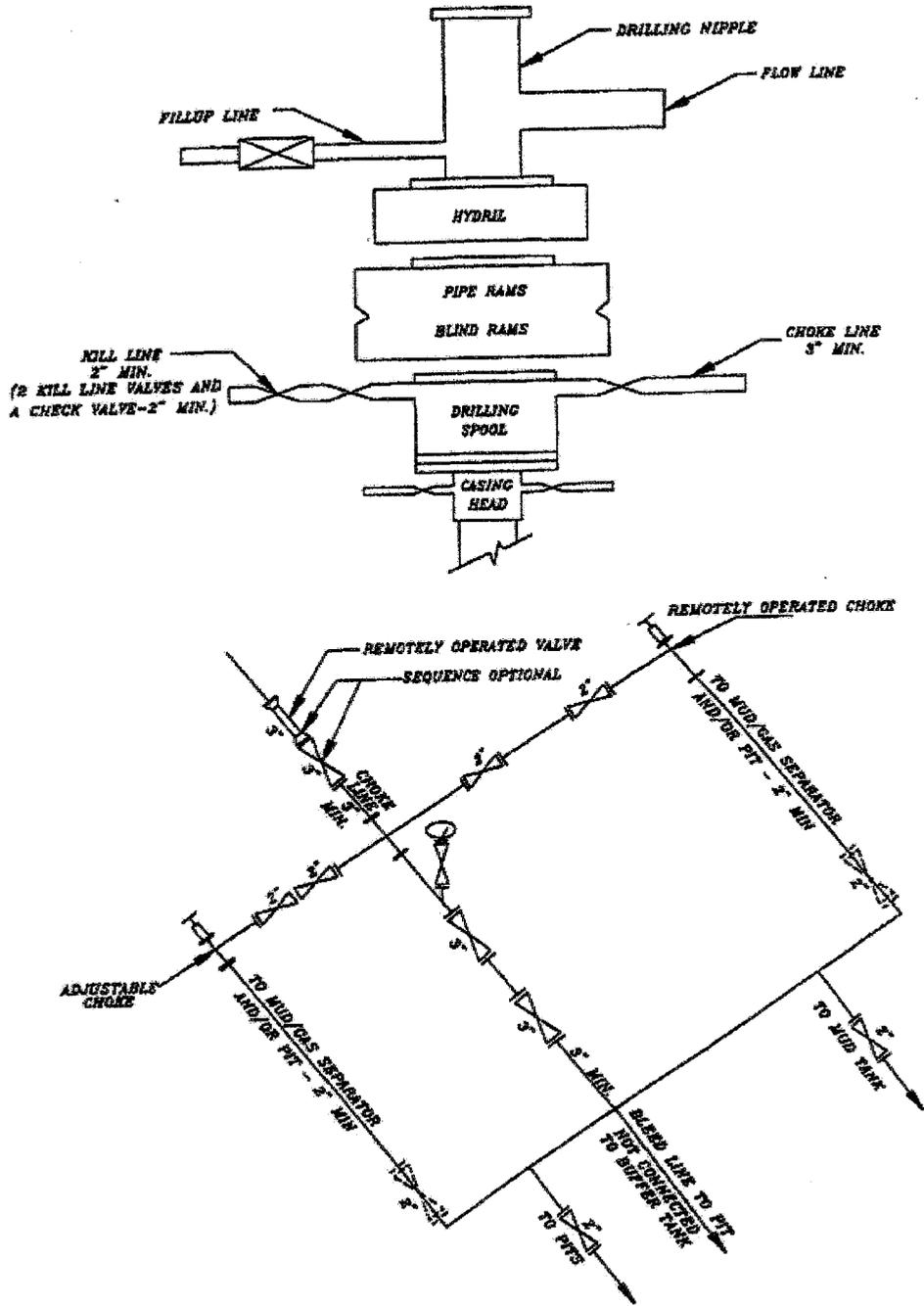
Conclusion

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 see Natural Buttes Unit SOP.

EXHIBIT A
NBU 920-221



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

**NBU 920-221
NESE Sec. 22 T9S R20E
UINTAH COUNTY, UTAH
UTU-000577B**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

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

2. Planned Access Roads:

Approximately $\pm 1,140'$ of new access road is proposed. Refer to Topo Map B.

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.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

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

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipelines.

Variations to Best Management Practices (BMPs) Requested:

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow gray (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

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

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

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

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

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, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

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

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

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

Please see the Natural Buttes SOP.

Operator shall call the BIA for the seed mixture when the final reclamation occurs.

11. Surface/Mineral Ownership:

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

Ute Indian Tribe
P.O. 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. Stipulations/Notices/Mitigation:

There are no stipulations or notices for this location.

13. Other Information:

A Class III archaeological survey and Paleo Survey has been performed and will be submitted upon receipt.

14. Lessee's or Operator's Representative & Certification:

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6666

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

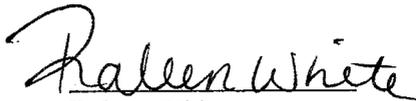
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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 the terms and conditions of the lease for the operations conducted upon leased lands.

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.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond #WYBDC0291.

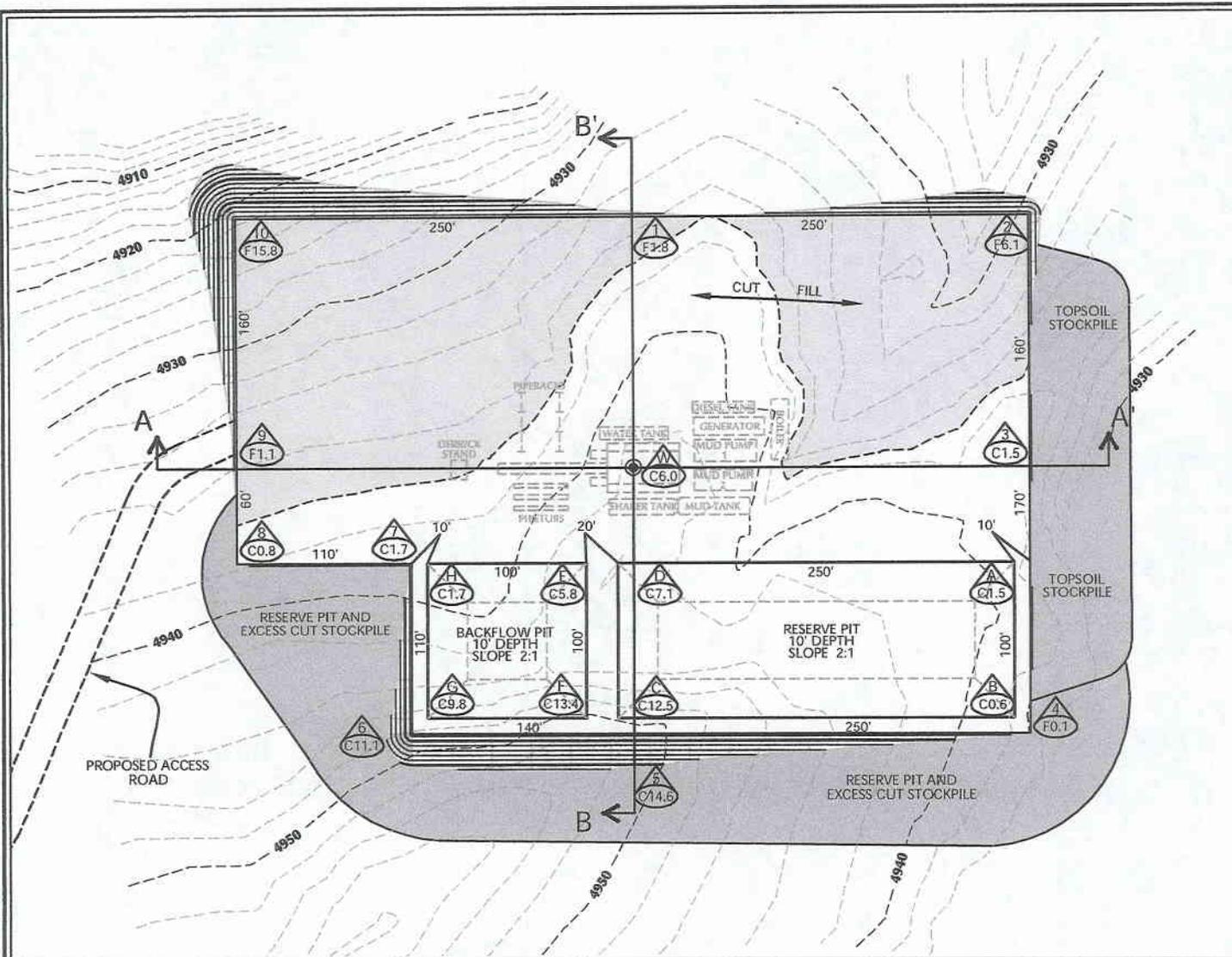
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan 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.


Raleen White

2/9/2009

Date

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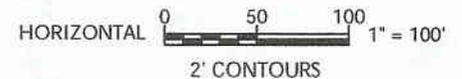
WELL PAD LEGEND

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

WELL PAD NBU 920-221 QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,943.1'
 FINISHED GRADE ELEVATION = 4,937.1'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 13,087 C.Y.
 TOTAL FILL FOR WELL PAD = 12,406 C.Y.
 TOPSOIL @ 6" DEPTH = 3,132 C.Y.
 EXCESS MATERIAL = 681 C.Y.
 TOTAL DISTURBANCE = 3.88 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00
 RESERVE PIT CAPACITY (2' OF FREEBOARD)
 +/- 25,880 BARRELS
 RESERVE PIT VOLUME
 +/- 7,185 CY
 BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
 +/- 8,780 BARRELS
 BACKFLOW PIT VOLUME
 +/- 2,520 CY



**KERR-MCGEE OIL & GAS
 ONSHORE L.P.**

1099 18th Street - Denver, Colorado 80202

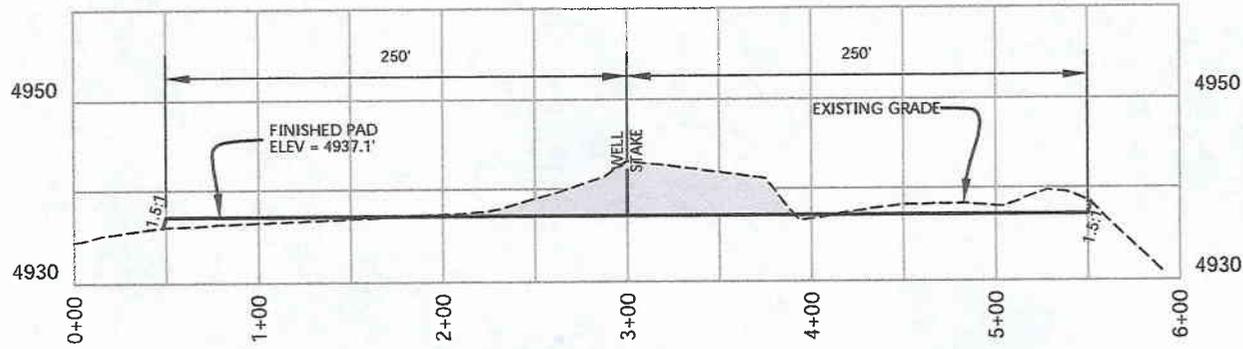


CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

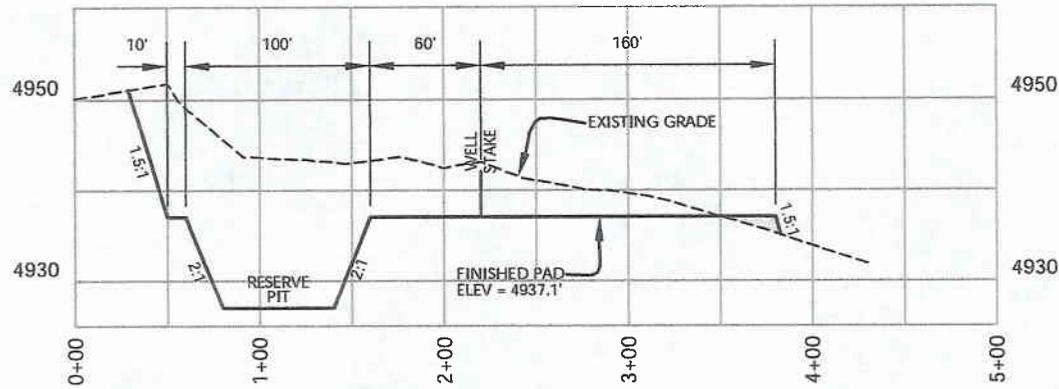
**NBU 920-221
 WELL PAD - LOCATION LAYOUT**
 1965' FSL, 599' FEL
 NE1/4 SE1/4, SECTION 22, T9S, R20E,
 S.L.B.&M., UINTAH COUNTY, UTAH

Scale: 1"=100'	Date: 1/23/09	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



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

NBU 920-221
WELL PAD - CROSS SECTIONS
1965' FSL, 599' FEL
NE1/4 SE1/4, SECTION 22, T.9S., R.20E.
S.L.B.&M., Uintah County, Utah

Scale: 1"=100'

Date: 1/23/09

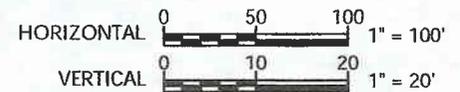
SHEET NO:

REVISED:

BY
DATE

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3 OF 9



Timberline (435) 789-1365
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38 WEST 100 NORTH VERNAL, UTAH 84078

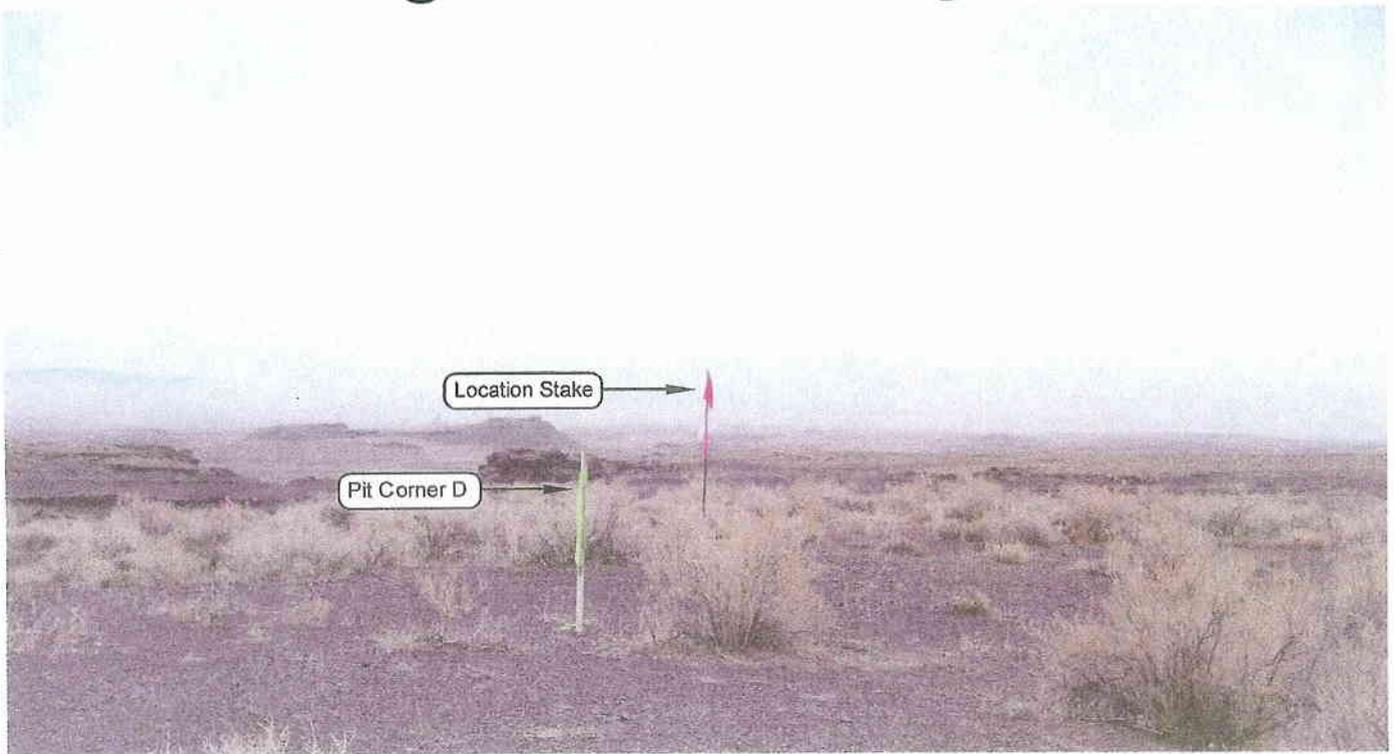


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

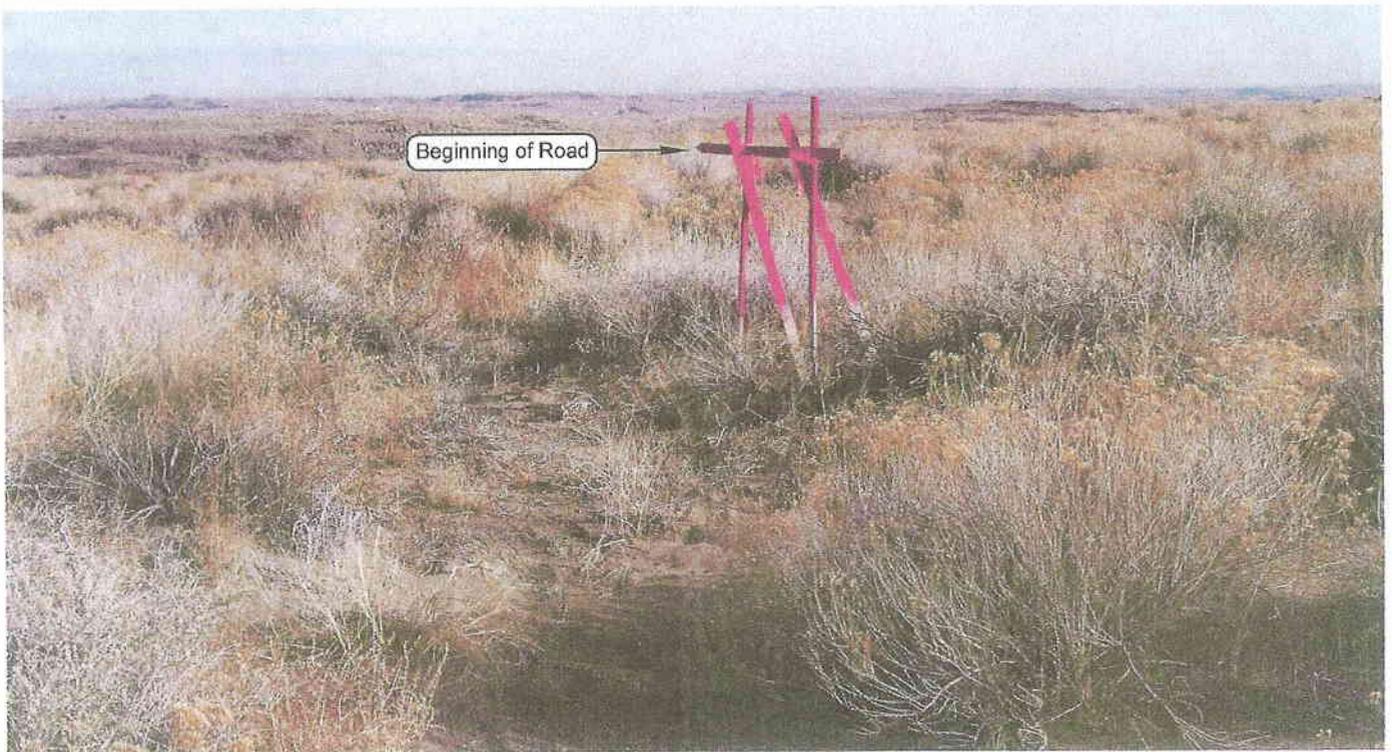
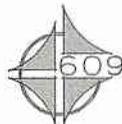


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: EASTERLY

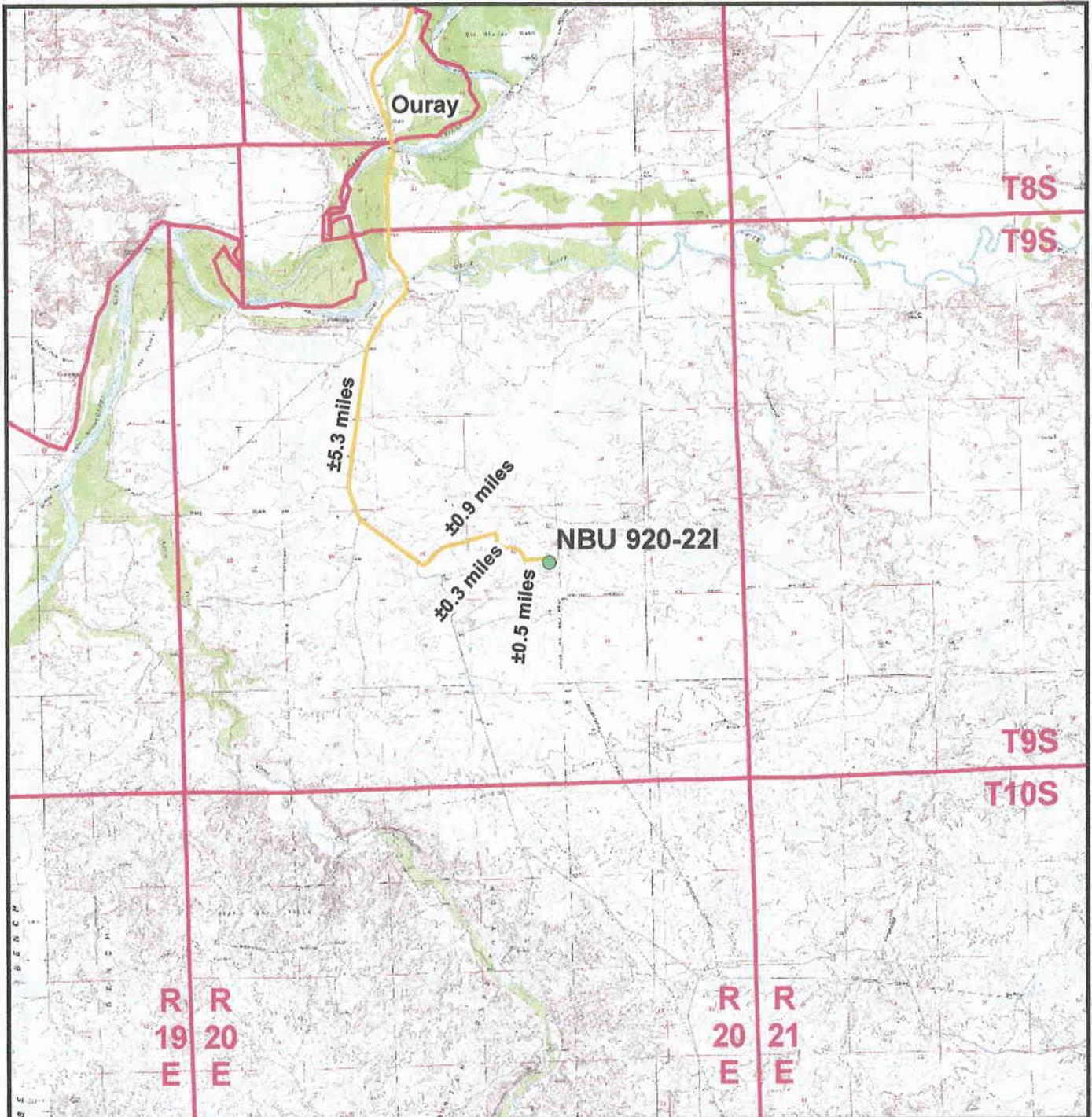
Kerr-McGee
Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

NBU 920-221
 1965' FSL, 599' FEL
 NE ¼ SE ¼ OF SECTION 22, 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

LOCATION PHOTOS		DATE TAKEN: 12-05-08
		DATE DRAWN: 01-12-09
TAKEN BY: D.J.S.	DRAWN BY: K.K.O.	REVISED:
Timberline (435) 789-1365 Engineering & Land Surveying, Inc. 209 NORTH 300 WEST VERNAL, UTAH 84078		SHEET 4 OF 9



Legend

- Proposed NBU 920-29P Well Location
- Access Route - Proposed

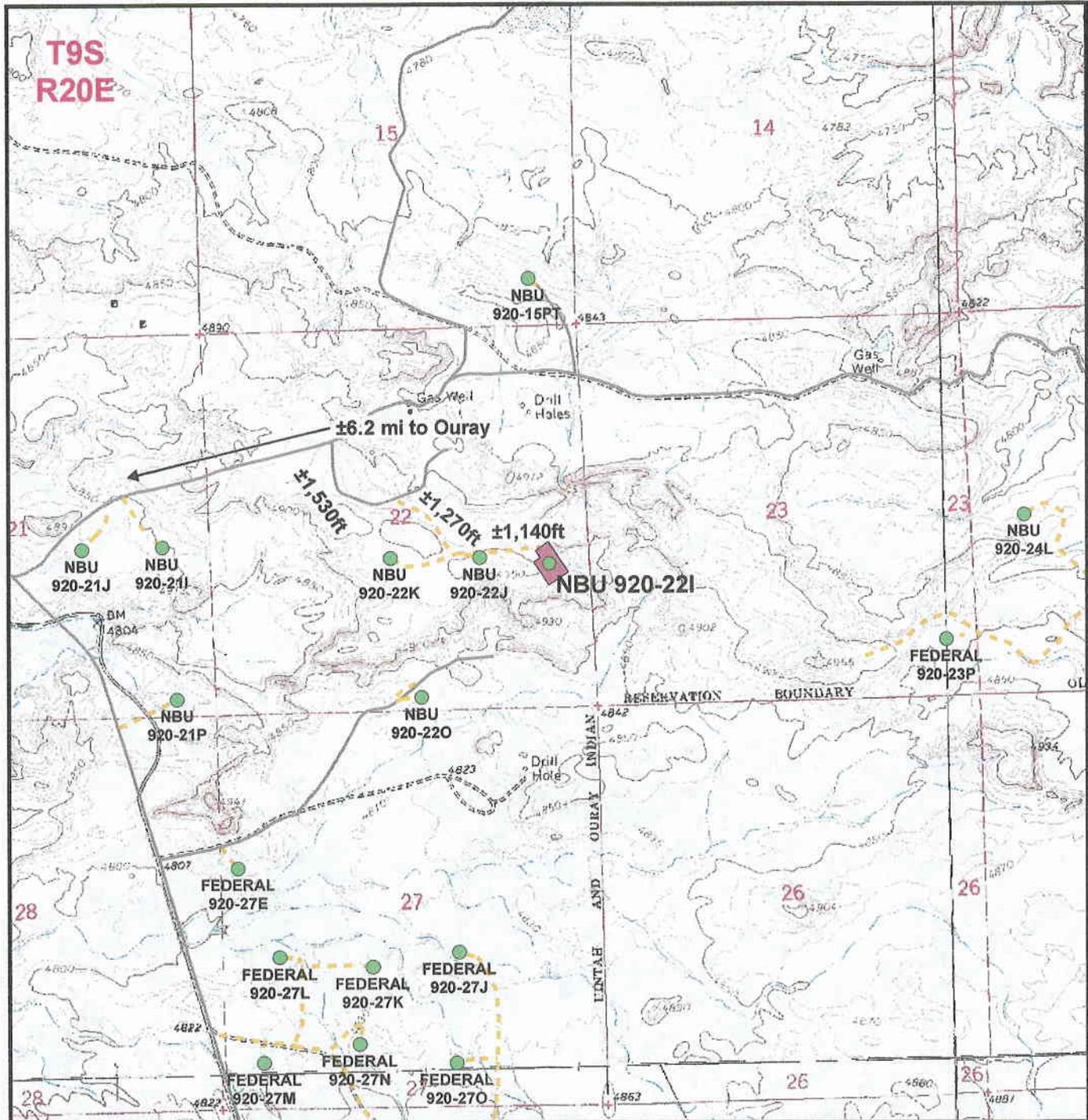
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

NBU 920-221
Topo A
 1965' FSL, 599' FEL
 NE¼ SE¼, Section 22, 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: 1:100,000	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 12 Jan 2009	5 5 of 9
Revised:	Date:	



Legend

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

Total Proposed Road Length: ±1,140ft

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

NBU 920-221
Topo B
 1965' FSL, 599' FEL
 NE¼ SE¼, Section 22, T9S, R20E
 S.L.B.&M., Uintah County, Utah

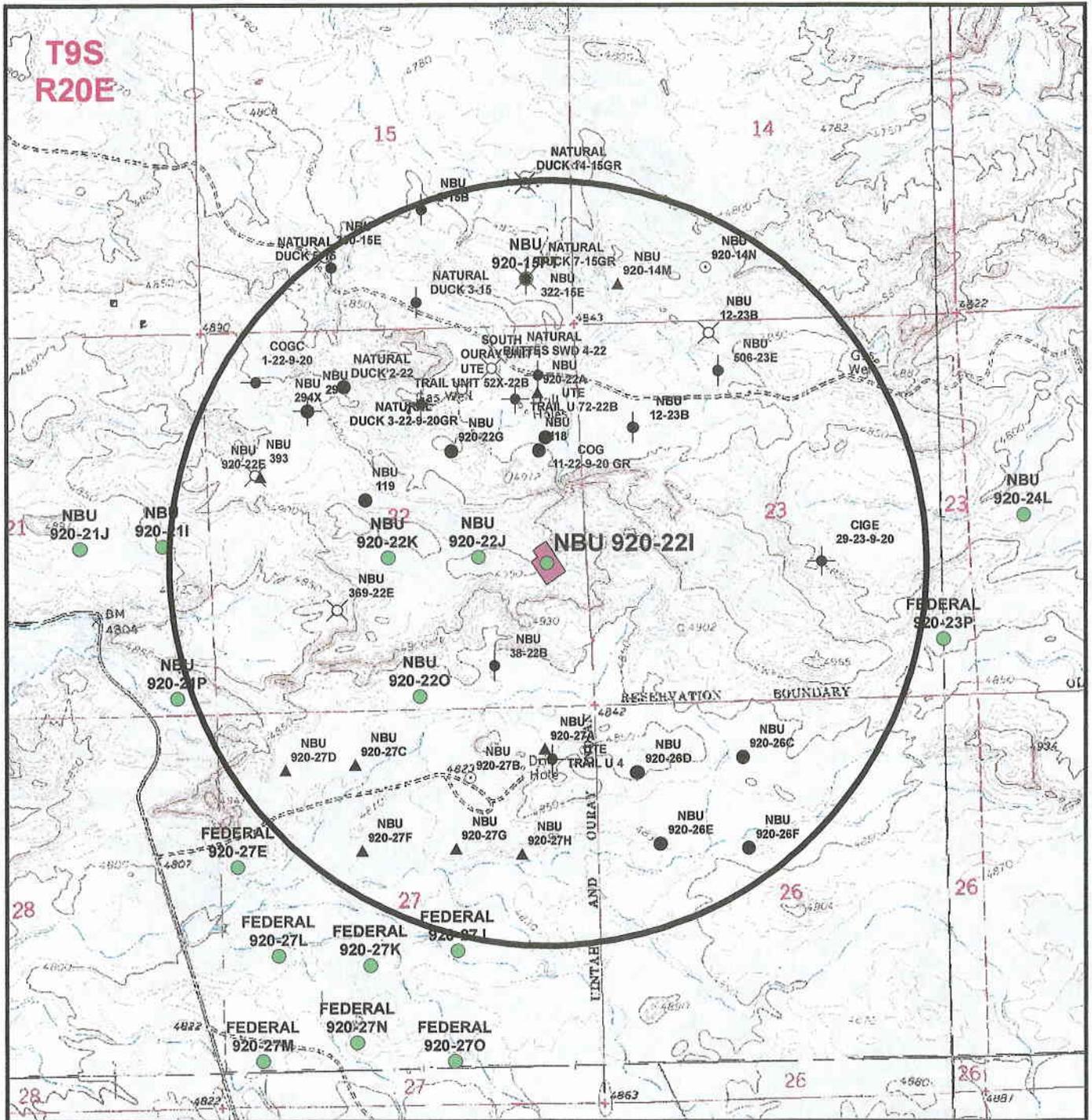


CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELo	Date: 12 Jan 2009	6
Revised:	Date:	

6 of 9



Legend

- Well - Proposed
- ◻ Well - 1 Mile Radius
- ▲ Producing
- ⊗ Location Abandoned
- ◐ Well Pad
- ▲ Approved permit (APD); not yet spudded
- ⊖ Temporarily-Abandoned
- ⊙ Spudded (Drilling commenced: Not yet comple
- ⊖ Plugged and Abandoned
- ⊙ Shut-In

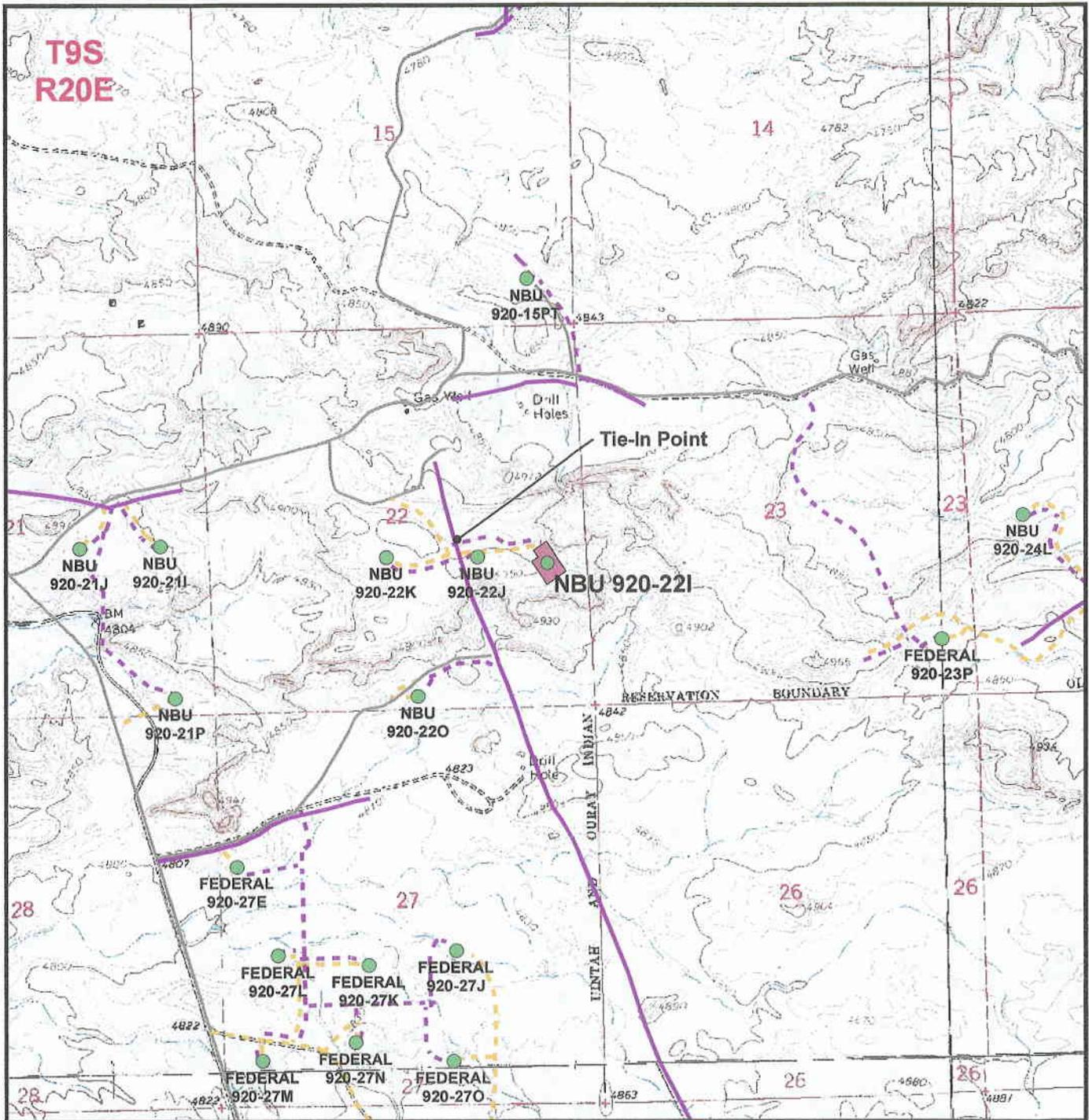
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

NBU 920-221
Topo C
1965' FSL, 599' FEL
NE¼ SE¼, Section 22, 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" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELo	Date: 12 Jan 2009	7
Revised:	Date:	7 of 9



Legend

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

Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±1,270ft
 Proposed Pipeline Length Around Pad: ±660ft

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

NBU 920-221
Topo D
 1965' FSL, 599' FEL
 NE¼ SE¼, Section 22, T9S, R20E
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Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELo	Date: 12 Jan 2009	8 8 of 9
Revised:	Date:	

Kerr-McGee Oil & Gas Onshore, LP
NBU 920-22I
Section 22, 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 EAST. EXIT LEFT AND PROCEED IN AN EAST BY NORTHEAST DIRECTION ALONG THE SERVICE ROAD APPROXIMATELY 0.9 MILES TO A SECOND SERVICE ROAD TO THE SOUTH. EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN EASTERLY DIRECTION ALONG THE SECOND SERVICE ROAD APPROXIMATELY 0.3 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2,410 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 37.7 MILES IN A SOUTHERLY DIRECTION.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/17/2009

API NO. ASSIGNED: 43-047-40544

WELL NAME: NBU 920-22I
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: RALEEN WHITE

PHONE NUMBER: 720-929-6666

PROPOSED LOCATION:

NESE 22 090S 200E
 SURFACE: 1965 FSL 0599 FEL
 BOTTOM: 1965 FSL 0599 FEL
 COUNTY: UINTAH
 LATITUDE: 40.01893 LONGITUDE: -109.6447
 UTM SURF EASTINGS: 615661 NORTHINGS: 4430528
 FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-000577B
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)
- N Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- N RDCC Review (Y/N)
(Date: _____)
- N/A Fee Surf Agreement (Y/N)
- N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' for w/dry & uncomm. trace
- R649-3-11. Directional Drill

COMMENTS:

Sep, Separate file

STIPULATIONS:

1- Fed. Approved
2- OIL SHALE

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)

March 2, 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/MesaVerde)		
43-047-40553	NBU 920-290	Sec 29 T09S R20E 0746 FSL 2465 FEL
43-047-40554	NBU 920-29L	Sec 29 T09S R20E 1572 FSL 0754 FWL
43-047-40555	NBU 920-29M	Sec 29 T09S R20E 0159 FSL 0757 FWL
43-047-40556	NBU 920-29I	Sec 29 T09S R20E 2164 FSL 0400 FEL
43-047-40557	NBU 920-29K	Sec 29 T09S R20E 2208 FSL 2197 FWL
43-047-40558	NBU 920-29P	Sec 29 T09S R20E 1038 FSL 0018 FEL
43-047-40559	NBU 920-29J	Sec 29 T09S R20E 1977 FSL 1747 FEL
43-047-40560	NBU 920-29N	Sec 29 T09S R20E 1254 FSL 2098 FWL
43-047-40542	NBU 920-22O	Sec 22 T09S R20E 0198 FSL 2487 FEL
43-047-40543	NBU 920-22K	Sec 22 T09S R20E 2128 FSL 2497 FWL
43-047-40544	NBU 920-22I	Sec 22 T09S R20E 1965 FSL 0599 FEL
43-047-40545	NBU 920-22J	Sec 22 T09S R20E 2086 FSL 1575 FEL
43-047-40538	NBU 920-20B	Sec 20 T09S R20E 1229 FNL 1580 FEL
43-047-40536	NBU 920-20C	Sec 20 T09S R20E 0963 FNL 1754 FWL
43-047-40537	NBU 920-20F	Sec 20 T09S R20E 1794 FNL 2199 FWL
43-047-40539	NBU 920-20E	Sec 20 T09S R20E 1644 FNL 1084 FWL
43-047-40540	NBU 920-20D	Sec 20 T09S R20E 0646 FNL 0686 FWL
43-047-40541	NBU 920-21J	Sec 21 T09S R20E 2346 FSL 1748 FEL
43-047-40561	NBU 920-32E	Sec 32 T09S R20E 2052 FNL 0707 FWL
43-047-40562	NBU 920-32K	Sec 32 T09S R20E 2095 FSL 1813 FWL
43-047-40567	NBU 920-33D	Sec 33 T09S R20E 0821 FNL 0925 FWL
43-047-40568	NBU 920-33L	Sec 33 T09S R20E 2299 FSL 0625 FWL
43-047-40574	NBU 920-33E	Sec 33 T09S R20E 2079 FNL 0611 FWL
43-047-40575	NBU 920-33C	Sec 33 T09S R20E 0971 FNL 1851 FWL

43-047-40576 NBU 920-33F Sec 33 T09S R20E 2048 FNL 1845 FWL
43-047-40535 NBU 920-15PT Sec 15 T09S R20E 0591 FSL 0696 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:3-2-09



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

March 2, 2009

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 920-22I Well, 1965' FSL, 599' FEL, NE SE, Sec. 22, T. 9 South, R. 20 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-047-40544.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office



Operator: Kerr-McGee Oil & Gas Onshore, LP
Well Name & Number NBU 920-22I
API Number: 43-047-40544
Lease: UTU-000577B

Location: NE SE Sec. 22 T. 9 South R. 20 East

Conditions of Approval

1. 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.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 17 2009

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-000577B
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 Ute Tribe
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7. If Unit or CA Agreement, Name and No. 891008900A
3a. Address PO Box 173779 Denver, CO 80217-3779		8. Lease Name and Well No. NBU 920-221
3b. Phone No. (include area code) Raleen White 720-929-6666		9. API Well No. 43 047 40549
4. Location of well (Report location clearly and in accordance with any State requirements.)* At surface 1,965' FSL 599' FEL NE/4 SE/4 Lat. 40.018943 Long. -109.645317 At proposed prod. zone		10. Field and Pool, or Exploratory Natural Buttes Field
14. Distance in miles and direction from the nearest town or post office* Approximately 38 miles south of Vernal, Utah		11. Sec., T., R., M., or Blk. and Survey or Area 22 T 9S R 20E S.L.B. & M.
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 599'	16. No. of acres in lease 400.00	12. County or Parish Uintah
17. Spacing Unit dedicated to this well Unit well	13. State Utah	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. ±900'
19. Proposed Depth 10,600'	20. BLM/ BIA Bond No. on file WYB000291	21. Elevations (Show whether DF, RT, GR, etc.) 4,937' GR KB
22. Aproximate date work will start* ASAP	23. Estimated duration 10 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:

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

25. Signature <i>Raleen White</i>	Name (Printed/ Typed) Raleen White	Date 2-13-2009
Title Sr Regulatory Analyst	E-mail: raleen.white@anadarko.com	Phone: 720-929-6666
Approved By (Signature) <i>Stephanie J. Howard</i>	Name (Printed/ Typed) Stephanie J. Howard	Date 10/16/09
Title <i>Acting</i> Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that 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 ATTACHED

Conditions of approval, if any, are 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.

*(Instructions on page 2)

NOTICE OF APPROVAL

UDOGM

RECEIVED

OCT 27 2009

DIV. OF OIL, GAS & MINING

NOS APP Posted 2/18/09

AFMSS# 095XS0713A



**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, LP	Location:	NESE, Sec. 22, T9S, R20E
Well No:	NBU 920-22I	Lease No:	UTU-0577B
API No:	43-047-40544	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

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

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

Site-Specific Conditions of Approval:

1. Paint facilities "shadow gray."
2. Utilize pit-run/gravel for well pad and access road support.
3. Monitor location by a permitted archaeologist during the construction process.
4. Monitoring by a permitted paleontologist during the construction process.
5. If project construction operations are scheduled to occur after December 31, 2009, KMG will conduct additional raptor surveys in accordance with the guidelines specified in the Utah Field Office Guidelines for Raptor Protection for Human and Land Use Disturbances, 2002 and conduct its operations according to applicable seasonal restrictions and spatial offsets.
6. If project construction operation are scheduled to occur after June 16, 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 and conduct its operation according to its specifications.

BIA Standard Conditions of Approval:

1. Soil erosion will be mitigated by reseeded all disturbed areas.
2. 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.
3. 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.
4. 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.
5. 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.

6. Major low water crossings will be armored with pit run material to protect them from erosion.
7. All personnel shall refrain from collecting any paleontological fossils and from disturbing any fossil resources in the area.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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).
13. All personnel shall refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
14. 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:

1. Surface casing cement shall be brought up and into the surface. Top of Cmnt is to reach surf. For surface casing cement program, to reach surface with Top of Cement, operator is required to pump additional cement beyond the stated amounts in application.
2. The operator must notify any active gilsonite operation located within 2 miles of the location 48 hours prior to any surface blasting for this well.
3. Conductor casing shall be set into competent formation.

toc_1800_operDrlgPlan#4
CsgSurf_set_2600 to 2800
Kerr McGee apd coa Downhole

4. Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1800 ft. The minimum cement top is approximately 0700 ft above the surface casing shoe.
Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.
Surface casing setting depth stated in APD is 2700 to 2800 ft.
COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).
5. Operator is to notify BLM Vernal Field Office and active gilsonite mining operator (or lease holder) located within a 2 mile radius, 48 hours prior to pad explosives blasting. Well is not close to gilsonite vein, but on trend to gilsonite vein deposits.
6. A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.
7. Drilling plan specifics and practices are referenced in the Kerr McGee Oil & Gas Standard Operating Procedures (SOP version: July 28, 2008). The operators drilling plan items 3 to 9 reference the SOP. Kerr McGee shall adhere to the referenced requirements in the SOP. Kerr McGee and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
8. Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

9. A Gamma Ray well Log shall be run from the well Total Depth to the surface.
A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
10. A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 45 feet.
All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-22I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047405440000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 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: 11/19/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" 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 checked="" 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: _____

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

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface casing size for this well. The surface casing size is changing FROM: 9-5/8" TO: 8-5/8". Please see the attached drilling program for additional details. If you have any questions, please contact the undersigned. Thank you.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: November 23, 2009

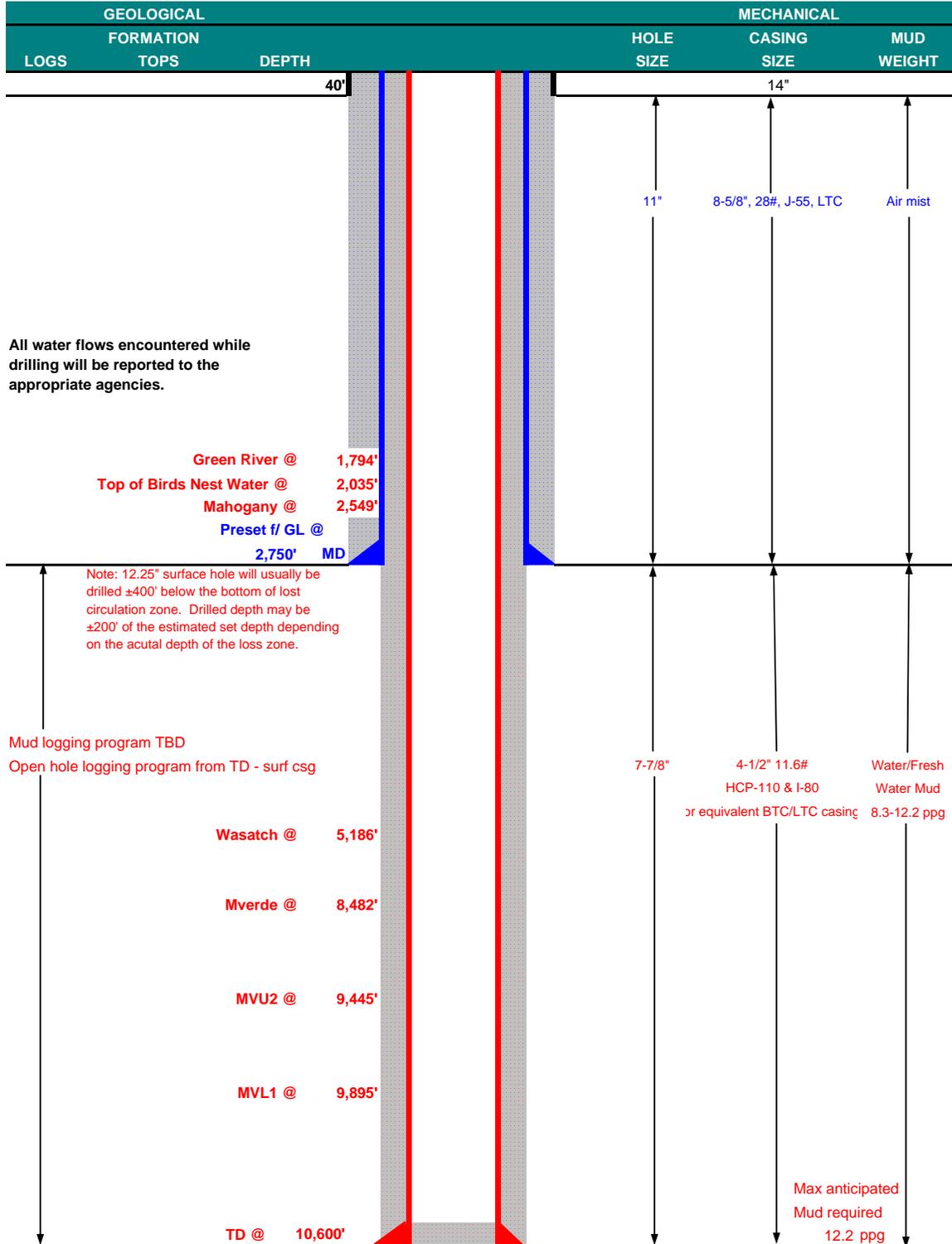
By: *Danielle Piernot*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/18/2009



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 18, 2009
 WELL NAME NBU 920-221 TD 10,600' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah FINISHED ELEVATION 4,937'
 SURFACE LOCATION NE/4 SE/4 1,965' FSL 599' FEL Sec 22 T 9S R 20E BHL Straight Hole
 Latitude: 40.018943 Longitude: -109.645317 NAD 83
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), Ute Tribe (SURFACE), UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	437,000
SURFACE	8-5/8"	0 to 2750	28.00	J-55	LTC	0.77*	1.46	5.68
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	7,780	6,350	278,000
		9600 to 10600	11.60	HCP-110	LTC	1.77	1.04	2.78
						10,690	8,650	279,000
						2.43	1.29	29.56

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 1.96

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))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
 (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 4,272 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at 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 6,604 psi

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1 TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	260	0%	15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized						
SURFACE LEAD	2,250'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	210	35%	11.00	3.82
TAIL	500	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.60	1.18
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	4,680'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	380	40%	11.00	3.38
TAIL	5,920'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,450	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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-22I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047405440000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 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: 11/30/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" 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: _____

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

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the grade of surface drilling pipe for this well. The surface pipe grade is changing FROM: J-55 LT&C TO: IJ-55 LT&C. Please see the attached drilling program for additional details. If you have any questions, please contact the undersigned. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: November 25, 2009

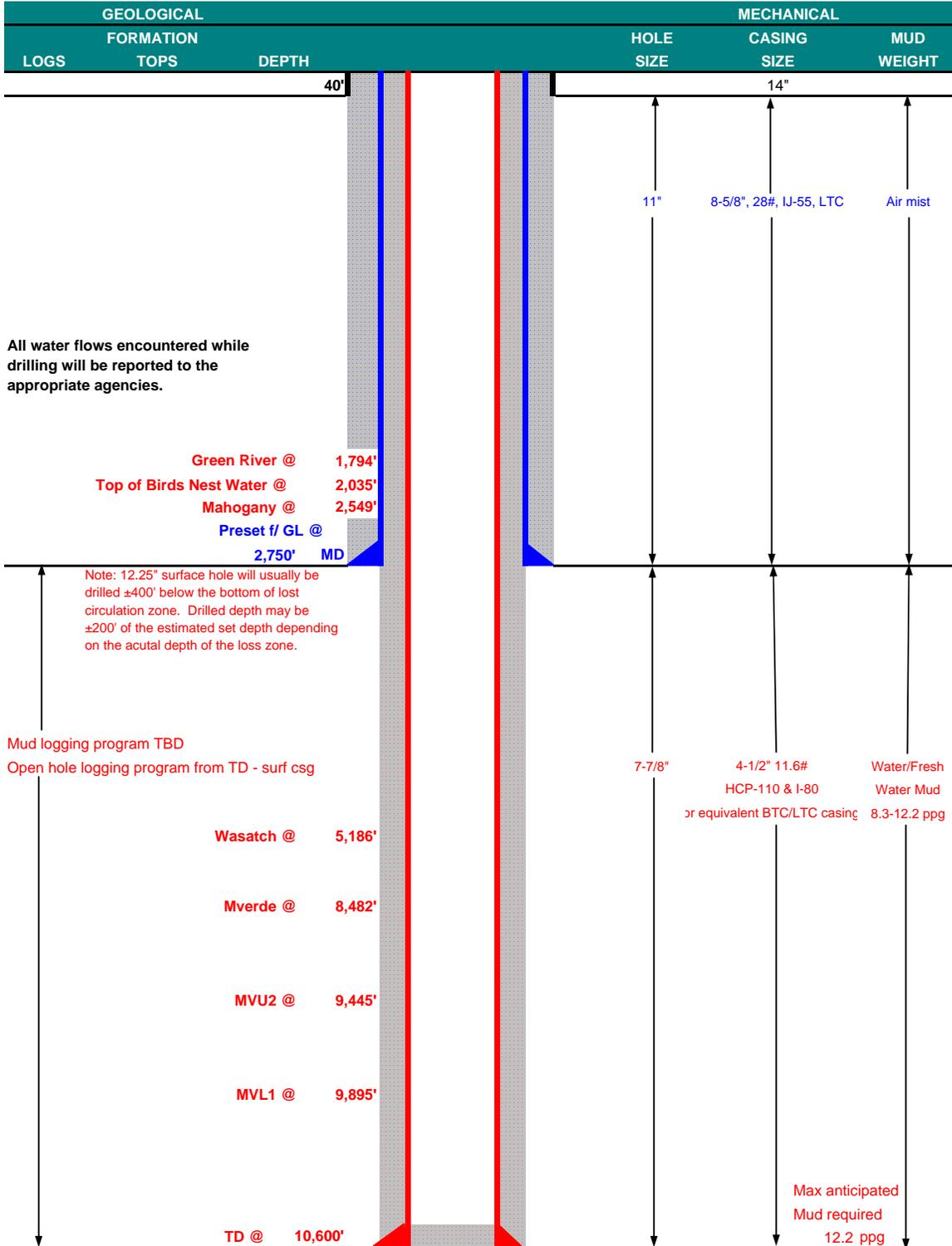
By: *Dan K. Quist*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/24/2009



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 24, 2009
 WELL NAME NBU 920-221 TD 10,600' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah FINISHED ELEVATION 4,937'
 SURFACE LOCATION NE/4 SE/4 1,965' FSL 599' FEL Sec 22 T 9S R 20E BHL Straight Hole
 Latitude: 40.018943 Longitude: -109.645317 NAD 83
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), Ute Tribe (SURFACE), UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	348,000
SURFACE	8-5/8"	0 to 2750	28.00	IJ-55	LTC	0.77*	1.46	4.52
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	1.77	1.04	2.78
		9600 to 10600	11.60	HCP-110	LTC	2.43	1.29	29.56

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 1.96

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))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
 (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 4,272 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at 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 6,604 psi

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1 TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	260	0%	15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized						
SURFACE LEAD	2,250'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	210	35%	11.00	3.82
Option 2 TAIL	500	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.60	1.18
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	4,680'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 1% Retarder	380	40%	11.00	3.38
TAIL	5,920'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,450	40%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
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FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
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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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-22I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047405440000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 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 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 12/3/2009	<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: _____

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 12/3/2009 AT 10:00 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 07, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/7/2009

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
4304740544	NBU 920-221		NESE	22	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	12/3/2009			<u>12/22/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 12/3/2009 AT 10:00 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

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

ANDY LYTLE

Name (Please Print)

Signature

REGULATORY ANALYST

Title

12/7/2009

Date

RECEIVED
DEC 07 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-22I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047405440000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 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 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: 12/8/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

MIRU PROPETRO AIR RIG ON 12/6/2009. DRILLED 11" SURFACE HOLE TO 2738'. RAN 8-5/8" 28# J-55 SURFACE CSG. TESTED LINES TO 2000 PSI. **Accepted by the Utah Division of Oil, Gas and Mining**
 LEAD CMT W/210 SX CLASS G PREM LITE @ 11.0 PPG, 3.82 YIELD. TAILED CMT W/200 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD. DISPLACED W/169.3 BBLS, BUMPED PLUG, FLOATS HELD. DID 3 TOP OUT JOBS. TOP OUT #1 W/125 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD. TOP OUT #2 W/125 SX SAME CMT. TOP OUT #3 W/125 SX SAME CMT. TOTAL CMT WAS 785 SX. WORT.

FOR RECORD ONLY
December 09, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/9/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-22I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047405440000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 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 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: 12/29/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

FINISHED DRILLING FROM 2738' TO 10,695' ON 12/27/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. PUMP 40 BBLs OF WATER. LEAD CMT W/800 SX CLASS G PREM LITE @ 12.9 PPG, 1.81 YIELD. TAILED CMT W/144 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DISPLACED W/16 BBLs WATER, BUMPED PLUG, FLOATS HELD, RETURNED 85 BBLs CMT TO SURFACE, FULL RETURNS. ND BOP, INSTALL PACKOFF, FLUSH FLOWLINES, CLEAN MUD TANKS, BLOWDOWN 4" MUD LINES. RELEASE ENSIGN 145 RIG ON 12/29/2009 AT 18:00 HRS.

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

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/30/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-22I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047405440000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 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 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: 1/29/2010	<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
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	<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 1/29/2010 at 10:00 A.M. The chronological well history will be submitted with the completion report.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 February 01, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 2/1/2010

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.
UTU000577B

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

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

3. Address **P.O. BOX 173779 DENVER, CO 80217** 3a. Phone No. (include area code)
 Ph: 720-929-6100

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **NESE 1965FSL 599FEL 40.01898 N Lat, 109.64463 W Lon**
 At top prod interval reported below **NESE 1965FSL 599FEL 40.01898 N Lat, 109.64463 W Lon**
 At total depth **NESE 1965FSL 599FEL 40.01898 N Lat, 109.64463 W Lon**
1863 FSL 503 FEL

6. If Indian, Allottee or Tribe Name
 7. Unit or CA Agreement Name and No.
 UTU63047A

8. Lease Name and Well No.
 NBU 920-221

9. API Well No.
 43-047-40544

10. Field and Pool, or Exploratory
 NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
 or Area **Sec 22 T9S R20E Mer SLB**

12. County or Parish
 Uintah 13. State
 UT

14. Date Spudded
 12/03/2009 15. Date T.D. Reached
 12/27/2009 16. Date Completed
 D & A Ready to Prod.
 01/29/2010

17. Elevations (DF, KB, RT, GL)*
 4937 GL

18. Total Depth: MD 10695 TVD 10691 19. Plug Back T.D.: MD 10631 TVD 10627 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 GR/CBL (BHV) SDL/DSN/ACTR

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
11.000	8.625 J-55	28.0		2721		785			
7.875	4.500 I-80	11.6		10675		2240		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	9827							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6360	6608	6360 TO 6608	0.360	40	OPEN
B) MESAVERDE	8732	10530	8732 TO 10530	0.360	246	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
6360 TO 6608	PMP 834 BBLs SLICK H2O & 40,599 LBS 30/50 SD.
8732 TO 10530	PMP 8,727 BBLs SLICK H2O & 327,947 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
01/29/2010	01/31/2010	24	→	0.0	2178.0	408.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 1525	2350.0	→	0	2178	408		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 #82143 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECEIVED

MAR 08 2010

DIV. OF OIL, GAS & MINING

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 920-22I	Wellbore No.	OH
Well Name	NBU 920-22I	Common Name	NBU 920-22I
Project	UTAH-UINTAH	Site	NBU 920-22I
Vertical Section		North Reference	True
Azimuth		Origin E/W	
Origin N/S		UWI	NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0
Spud Date	12/6/2009	Active Datum	RKB @4,950.00ft (above Mean Sea Level)

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	TOTCO
Started	12/6/2009	Ended	12/9/2009
Tool Name	TOT	Engineer	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
9.00	0.00	0.00	9.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
12/6/2009	Tie On	9.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/6/2009	NORMAL	509.00	0.75		508.99	3.27	0.00	3.27	0.15	0.15	0.00	0.00
	NORMAL	1,009.00	1.00		1,008.93	10.91	0.00	10.91	0.05	0.05	0.00	0.00
12/7/2009	NORMAL	1,569.00	1.25		1,568.82	21.90	0.00	21.90	0.04	0.04	0.00	0.00
	NORMAL	2,029.00	2.00		2,028.63	34.95	0.00	34.95	0.16	0.16	0.00	0.00
	NORMAL	2,194.00	2.00		2,193.53	40.71	0.00	40.71	0.00	0.00	0.00	0.00
	NORMAL	2,394.00	2.50		2,393.38	48.56	0.00	48.56	0.25	0.25	0.00	0.00
12/8/2009	NORMAL	2,709.00	3.30	85.50	2,708.09	56.14	9.04	56.14	1.26	0.25	27.14	124.22

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	EXTREME
Started	12/17/2009	Ended	
Tool Name	EM	Engineer	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
2,709.00	3.30	85.80	2,708.09	56.14	9.04

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
12/17/2009	Tie On	2,709.00	3.30	85.80	2,708.09	56.14	9.04	56.14	0.00	0.00	0.00	0.00
12/20/2009	NORMAL	2,872.00	2.11	92.14	2,870.91	56.37	16.72	56.37	0.75	-0.73	3.89	169.04
	NORMAL	3,052.00	1.93	94.00	3,050.79	56.04	23.05	56.04	0.11	-0.10	1.03	160.91
	NORMAL	3,205.00	1.41	96.80	3,203.73	55.64	27.49	55.64	0.34	-0.34	1.83	172.48
	NORMAL	3,416.00	1.41	117.19	3,414.67	54.14	32.38	54.14	0.24	0.00	9.66	100.19
	NORMAL	3,506.00	1.41	121.94	3,504.64	53.05	34.31	53.05	0.13	0.00	5.28	92.37
	NORMAL	3,688.00	1.23	117.98	3,686.59	50.95	37.93	50.95	0.11	-0.10	-2.18	204.91
	NORMAL	3,869.00	0.97	132.31	3,867.56	49.01	40.78	49.01	0.21	-0.14	7.92	140.40
	NORMAL	4,050.00	1.58	138.81	4,048.51	46.10	43.56	46.10	0.35	0.34	3.59	16.60
	NORMAL	4,231.00	1.76	142.33	4,229.44	42.02	46.90	42.02	0.11	0.10	1.94	31.45
	NORMAL	4,413.00	1.32	148.74	4,411.37	38.02	49.69	38.02	0.26	-0.24	3.52	161.80
	NORMAL	4,594.00	1.32	171.33	4,592.32	34.17	51.09	34.17	0.29	0.00	12.48	101.29
	NORMAL	4,775.00	1.67	167.64	4,773.26	29.53	51.97	29.53	0.20	0.19	-2.04	342.77
12/21/2009	NORMAL	4,956.00	1.67	167.64	4,954.18	24.38	53.10	24.38	0.00	0.00	0.00	0.00
	NORMAL	5,137.00	1.41	159.55	5,135.12	19.72	54.44	19.72	0.19	-0.14	-4.47	215.91
	NORMAL	5,319.00	1.32	172.56	5,317.07	15.54	55.49	15.54	0.18	-0.05	7.15	112.63
	NORMAL	5,545.00	1.49	160.61	5,543.00	10.19	56.81	10.19	0.15	0.08	-5.29	294.06
	NORMAL	5,726.00	1.23	156.48	5,723.95	6.19	58.36	6.19	0.15	-0.14	-2.28	198.60
	NORMAL	5,907.00	0.97	156.21	5,904.91	3.01	59.76	3.01	0.14	-0.14	-0.15	181.01
	NORMAL	6,089.00	1.23	163.68	6,086.88	-0.28	60.93	-0.28	0.16	0.14	4.10	32.65
	NORMAL	6,315.00	1.32	160.26	6,312.83	-5.06	62.49	-5.06	0.05	0.04	-1.51	318.07
	NORMAL	6,496.00	1.23	158.24	6,493.78	-8.82	63.91	-8.82	0.06	-0.05	-1.12	205.53
	NORMAL	6,678.00	1.23	163.07	6,675.74	-12.51	65.20	-12.51	0.06	0.00	2.65	92.41
	NORMAL	6,904.00	1.32	145.49	6,901.68	-16.97	67.39	-16.97	0.18	0.04	-7.78	274.07
	NORMAL	7,075.00	1.58	146.11	7,072.63	-20.55	69.82	-20.55	0.15	0.15	0.36	3.76
12/22/2009	NORMAL	7,266.00	1.49	149.71	7,263.56	-24.88	72.54	-24.88	0.07	-0.05	1.88	134.81
	NORMAL	7,442.00	1.67	154.90	7,439.49	-29.18	74.78	-29.18	0.13	0.10	2.95	41.10
	NORMAL	7,628.00	1.58	151.20	7,625.42	-33.88	77.16	-33.88	0.07	-0.05	-1.99	227.54
	NORMAL	7,802.00	1.49	145.23	7,799.36	-37.84	79.61	-37.84	0.11	-0.05	-3.43	237.67
	NORMAL	8,029.00	1.49	142.94	8,026.28	-42.62	83.07	-42.62	0.03	0.00	-1.01	268.86
12/23/2009	NORMAL	8,029.00	1.49	142.94	8,026.28	-42.62	83.07	-42.62	0.00	0.00	0.00	0.00
12/23/2009	NORMAL	8,203.00	0.88	154.46	8,200.24	-45.63	85.01	-45.63	0.37	-0.35	6.62	164.36
12/24/2009	NORMAL	8,464.00	1.14	151.91	8,461.20	-49.73	87.10	-49.73	0.10	0.10	-0.98	348.92
	NORMAL	8,663.00	1.32	137.76	8,660.16	-53.17	89.57	-53.17	0.18	0.09	-7.11	293.45
	NORMAL	9,207.00	1.58	129.67	9,203.98	-62.60	99.56	-62.60	0.06	0.05	-1.49	317.69
12/25/2009	NORMAL	9,479.00	1.58	190.23	9,475.90	-68.69	101.78	-68.69	0.59	0.00	22.26	120.27
12/29/2009	NORMAL	10,695.00	1.58	190.23	10,691.43	-101.68	95.82	-101.68	0.00	0.00	0.00	0.00

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-221		Spud Conductor: 12/3/2009	Spud Date: 12/6/2009
Project: UTAH-UINTAH		Site: NBU 920-221	Rig Name No: PROPETRO/, ENSIGN 145/145
Event: DRILLING		Start Date: 11/25/2009	End Date: 12/29/2009
Active Datum: RKB @4,950.00ft (above Mean Sea Level)		UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/6/2009	4:30 - 9:00	4.50	MIRU	01	A	P		MOVE RIG D
	9:00 - 12:00	3.00	MIRU	01	B	P		RIG UP HSM
	12:00 - 15:00	3.00	MAINT	08	A	Z		HAVE WELD COMMING OUT TO WELD KELLY HOSE TROFF BACK IN DERRICK
	15:00 - 19:00	4.00	DRLSUR	02	B	P		DRILL 40 TO 530 WT 18 23 K PUMP ON BOTTOM 1050 OFF 750 650 GPM ROP 122.5 108.8
	19:00 - 19:30	0.50	DRLSUR	10	A	P		SURVEY @ 500' 3/4 DEG
	19:30 - 23:30	4.00	DRLSUR	02	B	P		DRILL F/ 530 TO 1020 WT 10 23 K PUMP ON BOTTOM 1050 OFF 750 650 GPM ROP 122.5
	23:30 - 0:00	0.50	DRLSUR	10	A	P		SURVEY @ 1000' 1 DEG
12/7/2009	0:00 - 7:00	7.00	DRLSUR	02	B	P		DRILL F/ 1020 TO 1580 WT 18 23 K PUMP ON BOTTOM 1050 OFF 750 650 GPM ROP 80.0
	7:00 - 7:30	0.50	DRLSUR	10	A	P		SURVEY @ 1560 1.25 DEG
	7:30 - 12:30	5.00	DRLSUR	02	B	P		DRILL F/ 1580 TO 2070 WT 25 27 K PUMP ON BOTTOM 1350 OFF 1100 650 GPM ROP 98.0
	12:30 - 13:00	0.50	DRLSUR	10	A	P		SURVEY @ 2020 2 DEG
	13:00 - 15:30	2.50	DRLSUR	02	B	P		DRLG F/ 2070 TO 2220 22K RPM 60 PUMP PSI ON BOTTOM 1750 OFF 1450 650 GPM ROP 60.0
	15:30 - 16:00	0.50	DRLSUR	10	A	P		SURVEY @2185 2 DEG
	16:00 - 23:30	7.50	DRLSUR	02	B	P		DRILL F/ 2220 TO 2738 18 TO 20 K RPM 60 MM RPM 104 PUMP 1750 ON BOTTOM OFF 1450 PSI ROP 69.0
12/8/2009	23:30 - 0:00	0.50	DRLSUR	05	A	P		CIRC. SWEEP , CLEAN HOLE
	0:00 - 0:30	0.50	DRLSUR	05	A	P		CIRC , DROP MUILT SHOT SURVEY 2700 3.3 85.5 AZ
	0:30 - 6:00	5.50	DRLSUR	06	A	P		TOH L/D BHA
	6:00 - 10:00	4.00	DRLSUR	12	A	P		RIG UP RUN 63 JTS 8 5/8 CSG. # 28 J-55 LT&C SHOE @ 2708 BAFF @ 2663; RIG RELEASED 12/8/09 @ 10:00
12/17/2009	10:00 - 16:30	6.50	DRLSUR	12	B	P		R/U CMT CREW HSM TESTED LINES TO 2000 PSI LEAD 11.0 YD 3.82. SX CMT 210 16/% GEL,3 /10 LB SALT, GR3, GILSONITE 10% .25 LBSX FLOW SEALTAIL 15.8 YD 1.15 2% CAL.,25 LBSX FLOW SEAL CMT 200 SX. DISPLACE W/ 169.3 BBLS BUMPED PLUG FLOATS HELD. DID 3 TOP OUT 15.8 YD 1.15 4% CAL .25 LBS FLOW SEAL. TOTAL CMT 785 SX CMT
	0:00 - 7:00	7.00	RDMO	01	A	P		RIG DOWN AND PREPARE TO MOVE THE RIG WITH JONES. LOWER DERRICK AT 06:20 AM. HELD DRIVER, CREW SAFETY MEETING.
	7:00 - 7:30	0.50	RDMO	01	A	P		
	7:30 - 17:30	10.00	RDMO	01	A	P		MOVED AND SET IN BACK YARD, PITS, PUMPS ETC. SEPERATED DERRICK, MOVED AND SET THE SUB STRUCTURE. SHUT TRUCKS DOWN DUE TO DARK. UNABLE TO GET DERRICK PINNED TONIGHT.
12/18/2009	17:30 - 0:00	6.50	RDMO	01	A	P		START UP BOILER. HOOK UP ELECTRICAL, AIR, WATER. THAW OUT FROZED MUD LINES THAT MISSED GETTING DRAINED. HOOK UP FLOW LINES, HYDRAULIC LINES TO BOP'S AND THE FLARE LINES. 90% MOVED, 60% RIGGED UP.
	0:00 - 10:00	10.00	MIRU	01	A	P		RURT, RU ELECTRICAL, WATER, STEAM, HYD, HOOK UP FLARE LINE. CONTINUE WORKING ON THAWING OUT THE 6" MUD TRANSFER LINE ON THE PITS. RELEASE TRUCKS AT 10:30.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-221	Spud Conductor: 12/3/2009	Spud Date: 12/6/2009
Project: UTAH-UINTAH	Site: NBU 920-221	Rig Name No: PROPETRO/, ENSIGN 145/145
Event: DRILLING	Start Date: 11/25/2009	End Date: 12/29/2009
Active Datum: RKB @4,950.00ft (above Mean Sea Level)	UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:00 - 12:00	2.00	MIRU	01	A	P		PIN DERRICK AT 10:00 AM HOOK UP HYD AND BLEED SAME. RAISE DERRICK AT 12:00.
	12:00 - 15:00	3.00	MIRU	01	A	P		STRING DRILL LINE ON DRAW WORKS, HOOK UP IRON ROUGHNECK. PIN IDM, CENTER AND LEVEL RIG OVER WELL.
	15:00 - 17:00	2.00	MIRU	09	A	P		SLIP AND CUT DRILL LINE.
	17:00 - 0:00	7.00	MIRU	01	A	P		INSTALL ELEVATORS, UNLOCK TOP DRIVE, RIG UP WIND WALLS, HOOK UP STAND PIPE. CHANG OUT PACKING AND SAVER SUB ON TDS. THAW OUT FROZEN 6" MUD LINE AND GUN LINE IN THE PITS.
12/19/2009	0:00 - 6:00	6.00	MIRU	01	A	P		THAW 6" MUD LINES AND GUN LINES IN TANKS. FINISH HOOKING UP THE FLOW LINE AND BUSTER LINES. INSTALL VIBRATOR HOSE TO FLOOR. LOAD PIPE RACKS WITH BHA.
	6:00 - 11:30	5.50	DRLPRO	15	A	X		STARTED TO TEST BOP'S AND ADAPTOR FLANGE LEAKING. ND BOP'S, UNHOOK FLOW LINE, REMOVE ROT. HEAD CLAMP. PU BOP AND CHANGE SEAL. NU BOP.
	11:30 - 16:30	5.00	DRLPRO	15	A	P		TEST BLIND RAMS, PIPE RAMS, FLOOR VALVES CHOKE, CHOKE MANIFOLD AND ALL RELATED VALVES TO 250 AND 5000 PSI. TEST HYDRIL TO 250 AND 2500 PSI. TEST CASING TO 1500 PSI FOR 30 MINUTES.
	16:30 - 17:30	1.00	DRLPRO	23		P		PREJOB RIG INSPECTION.
	17:30 - 0:00	6.50	DRLPRO	06	A	P		MAKE UP FX55M PDC, 1.5 DEG. BH, 7/8 LOBE, 3.5 STAGE, .208 RPG MOTOR, 7 1/4" STAB, MONEL, HOS, MONES, 30 HWDP AND TIH.
12/20/2009	0:00 - 1:30	1.50	DRLPRO	06	A	P		TIH PICKING UP SINGLES OFF RACK.
	1:30 - 3:30	2.00	DRLPRO	02	F	P		SPUD @ 01:30 12-20-2009, DRILL THE SHOE TRACK.
	3:30 - 11:00	7.50	DRLPRO	02	B	P		DRILL 2747'-3462' (715') 95.3'/HR. WOB-, PP 1600-1950, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450 MW-10.1, VIS-36,
	11:00 - 11:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	11:30 - 0:00	12.50	DRLPRO	02	B	P		DRILL 3462'-4738' (1276') 102'/HR. WOB-18-20, PP 1900-2300, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450 MW-10.3, VIS-34,
12/21/2009	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRILL 4738'-6042' (1304') 96.5'/HR. WOB-18-20, PP 2100-2500, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450 MW-10.3, VIS-34 RIG SERVICE
	13:30 - 14:00	0.50	DRLPRO	07	A	P		
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRILL 6042'-6870' (828') 82.8'/HR. WOB-18-20, PP 2150-2600, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450 MW-10.8, VIS-35
12/22/2009	0:00 - 11:30	11.50	DRLPRO	02	B	P		DRILL 6870'-7582' (712') 61.9'/HR. WOB-18-20, PP 2150-2600, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450 MW-10.8, VIS-35 RIG SERVICE
	11:30 - 12:00	0.50	DRLPRO	07	A	P		
	12:00 - 0:00	12.00	DRLPRO	02	B	P		DRILL 7582'-8014' (432') 36'/HR. WOB-18-20, PP 2150-2600, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450, BGG 20-35, CG 50-450, PEAK GAS 720. MW-10.8, VIS-35
12/23/2009	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRILL 8014'-8177' (163') 40.7'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450, BGG 20-35, CG 50-450, PEAK GAS 720. MW-11.0, VIS-40
	4:00 - 5:00	1.00	DRLPRO	05	C	P		CIRCULATE BOTTOMS UP, MIX AND PUMP A SLUG.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-22I Spud Conductor: 12/3/2009 Spud Date: 12/6/2009
 Project: UTAH-UINTAH Site: NBU 920-22I Rig Name No: PROPETRO/, ENSIGN 145/145
 Event: DRILLING Start Date: 11/25/2009 End Date: 12/29/2009
 Active Datum: RKB @4,950.00ft (above Mean Sea Level) UWI: NE/SE/09/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	5:00 - 12:00	7.00	DRLPRO	06	A	P		POOH FOR BIT #2, LD BIT #1, PU NEW MOTOR & BIT#2
	12:00 - 12:30	0.50	DRLPRO	06	A	P		DIR WORK, SCRIBE TOOLS
	12:30 - 19:00	6.50	DRLPRO	06	A	P		TRIP IN HOLE W/ BHA#2
	19:00 - 19:30	0.50	DRLPRO	05	A	P		CIRC BOTTOMS UP
	19:30 - 0:00	4.50	DRLPRO	02	B	P		DRILL 8177 TO 8371 (194') 43'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-95, DIF PSI-300-450, BGG 20-35, CG 50-300, PEAK GAS 720. MW-11.3, VIS-41
12/24/2009	0:00 - 10:30	10.50	DRLPRO	02	B	P		DRILL 8371 - 8806 (435') 41'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 20-170, CG 50-700, PEAK GAS 2415. MW-11.5, VIS-41
	10:30 - 11:00	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	11:00 - 0:00	13.00	DRLPRO	02	B	P		DRILL 8806 - 9344(973) 74'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 90-170, CG 350-2400, PEAK GAS 2680. MW-12.1, VIS-47
12/25/2009	0:00 - 1:30	1.50	DRLPRO	05	B	P		STARTED TAKING GAS, 6 BBL GAIN, BGG 350-2600, PUT WELL ON GAS BUSTER, 15-30 FT FLARE, KEPT PUMPS UP TO SPEED, RAISE MW 12.1 TO 12.4 HEAVY, VIS-41, LCM-14% RESUME DRILLING AT 9344.
	1:30 - 12:30	11.00	DRLPRO	02	B	P		DRILL 9344- 9757(413) 37'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 90-170, CG 350-2400, PEAK GAS 2680. MW-12.7, VIS-47, LCM 15%
	12:30 - 13:00	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	13:00 - 0:00	11.00	DRLPRO	02	B	P		DRILL 9757- 10046(289) 26'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 25-75, CG 100-200, PEAK GAS 1500. MW-12.9, VIS-47, LCM 15%
12/26/2009	0:00 - 1:00	1.00	DRLPRO	02	B	P		DRILL 10046 TO 10064, 18 FT
	1:00 - 2:00	1.00	DRLPRO	05	C	P		CIRC HOLE CLEAN, PUMP PILL
	2:00 - 8:30	6.50	DRLPRO	06	A	P		TRIP FOR BIT, KELLY UP, BACK REAM TIGHT SPOT AT 5256, KELLY UP , BACK REAM TIGHT SPOT AT 4631
	8:30 - 9:00	0.50	DRLPRO	06	A	P		PU NEW BIT & MOTOR
	9:00 - 9:30	0.50	DRLPRO	06	A	P		DIR WORK/SCRIBE TOOLS
	9:30 - 17:00	7.50	DRLPRO	06	A	P		TIH W/ #3, KELLY UP, WASH THRU BRIDGE AT 8934, DID NOT FEEL TIGHT SPOTS 4631 & 5256.
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRILL 10064-10201(137) 20'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 25-75, CG 100, PEAK GAS 800. MW-12.9, VIS-47, LCM 15%
12/27/2009	0:00 - 8:00	8.00	DRLPRO	02	B	P		DRILL 10201- 10397(196) 24.5'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 25-75, CG 100, PEAK GAS 200. MW-12.9, VIS-47, LCM 15%
	8:00 - 9:00	1.00	DRLPRO	08	B	Z		TROUBLE SHOOT & REPAIR MUD PUMPS
	9:00 - 15:30	6.50	DRLPRO	02	B	P		DRILL 10397- 10532(135) 21'/HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 25-75, CG 100, PEAK GAS 100. MW-12.9, VIS-47, LCM 15%
	15:30 - 16:00	0.50	DRLPRO	07	A	P		LUBRICATE RIG

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-22I		Spud Conductor: 12/3/2009	Spud Date: 12/6/2009
Project: UTAH-UINTAH		Site: NBU 920-22I	Rig Name No: PROPETRO/, ENSIGN 145/145
Event: DRILLING		Start Date: 11/25/2009	End Date: 12/29/2009
Active Datum: RKB @4,950.00ft (above Mean Sea Level)		UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/28/2009	16:00 - 22:30	6.50	DRLPRO	02	B	P		DRILL 10532- 10695(163)25 /HR. WOB-18-24, PP 2350-2750, GPM- 460, ROTARY RPM-40-50, MOTOR RPM-76, DIF PSI-290-520, BGG 65-120, CG 620, PEAK GAS 1680. MW-12.9, VIS-47, LCM 15%, TD AT 22:30
	22:30 - 0:00	1.50	DRLPRO	05	F	P		PUMP SWEEPS, CIRC HOLE 2 BOTTOMS UP
	0:00 - 0:30	0.50	DRLPRO	05	F	P		PUMPED SWEEP, CIRC HOLE
	0:30 - 2:00	1.50	DRLPRO	06	E	P		WIPER TRIP TO 10,000
	2:00 - 4:00	2.00	DRLPRO	05	C	P		PUMPED SWEEP,CIRC HOLE
	4:00 - 11:30	7.50	DRLPRO	06	A	P		DROPED SURVEY, POOH & LD DRILL PIPE
	11:30 - 13:00	1.50	DRLPRO	06	A	P		LD DIR TOOLS, BOTTOM HOLE SURVEY 1.6 DEGREES
	13:00 - 14:00	1.00	DRLPRO	11	D	P		RU LOGGERS, HOLD SAFETY MEETING
	14:00 - 18:00	4.00	DRLPRO	11	D	P		RUN TRIPLE COMBO LOGS, BRIDGED OUT AT 4980, WORKED THRU BRIDGE, LOGGERS TD - 10684, LOG TO SURFACE.
	18:00 - 19:00	1.00	DRLPRO	11	D	P		RD LOGGERS
12/29/2009	19:00 - 20:00	1.00	DRLPRO	12	A	P		RU CASERS, HOLD SAFETY MEETING
	20:00 - 0:00	4.00	DRLPRO	12	C	P		MAKE UP FLOAT EQUIPMENT, RUN 31 JTS, 11.6#, P-110, 4 1/2 CSG, 225 JTS, 11.6#, I-80, 4 1/2 CSG.
	0:00 - 5:30	5.50	DRLPRO	12	C	P		RUN 31 JTS P-110, 11.6#, 4 1/2 CSG, 225 JTS I-80, 11.6# 4 1/2 CSG, LANDED CSG AT 10675.35
	5:30 - 7:00	1.50	DRLPRO	05	D	P		CIRC OUT TRIP GAS,HOLD SAFETY MEETING, RU BJ SERVICES
	7:00 - 10:30	3.50	DRLPRO	21	D	Z		WAIT ON BJ SERVICES TO THAW OUT & REPAIR ELECTRICAL SYSTEM
	10:30 - 13:00	2.50	DRLPRO	12	E	P		PUMP 40 BBLS WATER, 800 SX, 258 BBLS 12.9# LEAD, 1440 SX, 336 BBLS 14.3# TAIL, DISPLACED W/ 165 BBLS WATER, BUMPED PLUG, FLOATS HELD, RETURNED 85 BBLS CMT TO SURFACE, FULL RETURNS
	13:00 - 14:00	1.00	DRLPRO	01	E	P		ND BOP,INSTALL PACKOFF,FLUSH FLOWLINES
	14:00 - 18:00	4.00	DRLPRO	01	E	P		CLEAN MUD TANKS, BLOWDOWN 4" MUD LINES, BREAK APART FLOWLINES, RELEASE RIG AT 18:00

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-22I		Spud Conductor: 12/3/2009	Spud Date: 12/6/2009
Project: UTAH-UINTAH		Site: NBU 920-22I	Rig Name No: MILES 2/2
Event: COMPLETION		Start Date: 1/21/2010	End Date: 1/26/2010
Active Datum: RKB @4,950.00ft (above Mean Sea Level)		UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/21/2010	7:00 - 7:30	0.50	COMP	48		P		TRIPPING TBG
	7:30 - 18:00	10.50	COMP	31		P		MIRU, NDWH, NU BOP'S, PU TBG RIH WITH 276 JTS, POOH STD BACK 138 STDS, ND BOP'S, NU FRAC VALVE, SWIFN
1/22/2010	7:00 - 7:30	0.50	COMP	48		P		PSI TEST
	7:30 - 7:30	0.00	COMP	33				0# CSG, RU B&C QUICK TEST, PRESSURE TEST CSG, FRAC VALVE TO 7,000#. RD B&C, RU CUTTERS, PU GUN, RIH, PERF 10241'-10245', W 2 SPF, 8 HOLES, 10314-10318 3SPF, 12 HOLES, 105524-10530 4 SPF, 24 HOLES WITH 3 3/8" GUN, 23 GM, .36" HOLE. RD CUTTERS, WINTERIZE RIG, SWIFWE FRACING
1/25/2010	7:00 - 7:30	0.50	COMP	48		P		

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-221		Spud Conductor: 12/3/2009	Spud Date: 12/6/2009
Project: UTAH-UINTAH		Site: NBU 920-221	Rig Name No: MILES 2/2
Event: COMPLETION		Start Date: 1/21/2010	End Date: 1/26/2010
Active Datum: RKB @4,950.00ft (above Mean Sea Level)		UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 7:30	0.00	COMP	36		P		<p>#CSG, RU SUPERIOR, PRESSURE TEST LINES,FRAC STAGE #1</p> <p>STG #1] FRAC MESAVERDE 10241'-10245', 2 SPF,8 HOLES, 10314'-10318' 3 SPF,12 HOLES, 10524'-10530' 4 SPF,24 HOLES(44 HOLES) WHP=1867#, BRK DN PERFS @ 3432/4.9 BBLS#, INJT PSI=4850, INJT RT=42.9, ISIP=3024, FG=.73, PUMP'D 1519 BBLS SLK/WTR W/ 50,378# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3206, FG=.75, AR=42.9, AP=4927, MR=53.9, MP=6292, NPI= 182 PERFS OPEN 100 %.</p> <p>STG #2] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 9951.5' PERF MESAVERDE 9880' -9882 4 SPF 8 HOLES, 9896'-9900" ' 4 SPF 16 HOLES, 9946'-9950' 4 SPF16 HOLES, [40 HOLES] WHP= 2877#, BRK DN PERFS @ 3923#, INJT PSI 4800, INJT RT=40, ISIP=2891, FG=.73, PUMP'D 1171 BBLS SLK/WTR W/ 38250# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3163, FG=.76, AR=44.3, AP=5420, MR=50.6, MP=6516, NPI=272, PERS OPEN 82%</p> <p>STG #3] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 9290' PERF MESAVERDE 9154'-9156' 3 SPF 6 HOLES, 9204'-9206" 3 SPF 6 HOLES, 9220'-9222' 4 SPH 8 HOLES 9238'-9240" 4 S/F 8 HOLES 9256'-9260" 3 SPF 12 HOLES[40 HOLES] WHP= 1284#, BRK DN PERFS @ 5782#, INJT PSI=6000, INJT RT=50, ISIP=2637, FG=.71, PUMP'D 759 BBLS SLK/WTR W/ 26007# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3043, FG=.75, AR=48.3, AP=5913, MR=52.1 MP=6435, NPI=406, PERS Open 63%</p> <p>STG#4 P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 9290' PERF MESAVERDE 9154'-9156' 3 SPF 6 HOLES, 9204'-9206' 3 SPF 6 HOLES,9220'-9222' 4 SPF 8 HOLES,9238'-9240' 4 SPF 8 HOLES, 9256.-9260' 3 SPF 12 HOLES [40 HOLES] WHP= 1681#, BRK DN PERFS @ 3550#, INJT PSI=6000, INJT RT=50, ISIP=2637, FG=.71, PUMP'D 1629 BBLS SLK/WTR W/ 66643# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3163, FG=.70, AR=49.8, AP 5217, MR=50.2, MP=6218, NPI= 509, PERS OEPN 63%.</p> <p>rP/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @9094' PERF MESAVERDE 8925'-8929' 3 SPF 12 HOLES, 9002'-9008' 3 SPF 18 HOLES, 9060'-9064' 3 SPH 12 HOLES, {42 HOLES} ND CUTTERS, SWIFN FRACING</p>
1/26/2010	7:00 - 7:30	0.50	COMP	48		P		

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-221	Spud Conductor: 12/3/2009	Spud Date: 12/6/2009
Project: UTAH-UINTAH	Site: NBU 920-221	Rig Name No: MILES 2/2
Event: COMPLETION	Start Date: 1/21/2010	End Date: 1/26/2010
Active Datum: RKB @4,950.00ft (above Mean Sea Level)	UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 7:30	0.00	COMP	36		S		1675# CSG RU SUPERIOR, TROUBLE GETTING CIRC ON PUMPS, DELAY START PROPOSED 7:00 AM ACTUAL 9:00AM
								STAG#5 WHP=1867#, BRK DN PERFS @ 3021/2.3 BBL#S, INJT PSI=5300, INJT RT=50, ISIP=2628, FG=.73, PUMP'D 2157 BBL#S SLK/WTR W/ 79815# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2840, FG=.75, AR=49.5, AP=5159, MR=50.6, MP=5969, NPI= 212 PERFS OPEN 68 %.
								STG #6] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 8878" PERF MESAVERDE 8732'-8734' 3 SPF 6 HOLES, 8796'-8798' 3 SPF 6 HOLES, 8818'-8822' 3 SPF12 HOLES, 8844'-8848' 4 SPF 16 NHOLES [40 HOLES] WHP= 2618#, BRK DN PERFS @ 3923#, INJT PSI 4850, INJT RT=50, ISIP=2956, FG=.77, PUMP'D 1 BBL#S SLK/WTR W/ 38250# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3055, FG=.79, AR=51.2, AP=5054, MR=52.5, MP=6238, NPI=99, PERS OPEN 100%
								STG #7] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 6638' PERF WASATCH 6360'-6364' 3 SPF 12 HOLES, 6478'-6480" 3 SPF 6 HOLES, 6594'-6596' 3 SPH 6 HOLES 6604'-6608" 4 S/F 16 HOLES [40 HOLES] WHP= 1284#, BRK DN PERFS @ 1978#, INJT PSI=5000, INJT RT=48, ISIP=1445, FG=.66, PUMP'D 840BBL#S SLK/WTR W/ 40601# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2288, FG=.79, AR=50.1, AP=3721, MR=57.5 MP=5519, NPI=843, PERS Open 100%
1/27/2010	7:00 - 7:30	0.50	COMP	48		P		RU CUTTERS RIH SET KILL PLUG AT 6310' SWIFN
	7:30 - 20:00	12.50	COMP	44		P		DRILLING PLUGS 0# CSG, ND FRAC VALVE, NU BOP'S,RIH TBG , TAG PLUG#1 AT 6310'
								PLUG#1 6310' 00' SAND 10 MIN 400# KICK
								PLUG#2 6638' 30' SAND 20 MIN 800# KICK
								PLUG#3 8878' 30' SAND 10 MIN 800# KICK
								PLUG#4 9094' 30' SAND 10 MIN 1000# KICK
								PLUG#5 9290' 45' SAND 15 MIN 500# KICK
								PLUG#6 9750' 35' SAND 10 MIN 600# KICK
								PLUG#7 9980 75' SAND 20 MIN 300# KICK
1/28/2010	7:00 -			33		A		RIH C/O TO 10,630'. PUH LD 25 JTS LD TBG @ 9843.59' 310 JTS. SN 1.875 EOT 9827.56' ND BOP'S, NU WH, PUMP OFF BIT SUB.2500# TURN TO FBC 7 AM FLBK REPORT: CP 2500#, TP 2125#, 20/64" CK, 65 BWPH, LIGHT SAND, LIGHT GAS TTL BBL#S RECOVERED: 2769 BBL#S LEFT TO RECOVER: 7141

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-22I		Spud Conductor: 12/3/2009		Spud Date: 12/6/2009	
Project: UTAH-UINTAH		Site: NBU 920-22I		Rig Name No: MILES 2/2	
Event: COMPLETION		Start Date: 1/21/2010		End Date: 1/26/2010	
Active Datum: RKB @4,950.00ft (above Mean Sea Level)		UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/29/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2950#, TP 2400#, 20/64" CK, 43 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 3970 BBLS LEFT TO RECOVER: 5940
	10:00 -		PROD	50				WELL TURNED TO SALES @ 1000 HR 1/29/2010 - 2280 MCFD, 1032 BWPD, CP 2950#, FTP 2450#, CK 20/64"
1/30/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2825#, TP 2100#, 20/64" CK, 30 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 4812 BBLS LEFT TO RECOVER: 5098
1/31/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1775#, 20/64" CK, 21 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5394 BBLS LEFT TO RECOVER: 4516
	7:30 -		PROD	50				WELL IP'D ON 1/31/10 - 2178 MCFD, 0 BOPD, 408 BWPD, CP 2350#, FTP 1525#, CK 20/64", LP 103#, 24 HRS
2/1/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2350#, TP 1525#, 20/64" CK, 17 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5840 BBLS LEFT TO RECOVER: 4070

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-22I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047405440000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 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: 10/11/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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 checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text" value="WELLHEAD"/>

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: 10/12/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 10/10/2011

WORKORDER #:

Name: **NBU 920-22I** 7/8/2011
 Surface Location: NESE Sec. 20, T9S, R20E
 Uintah County, UT

API: 4304740544 LEASE#: UTU-000577B

ELEVATIONS: 4937' GL 4950' KB

TOTAL DEPTH: 10,695' PBD: 10,631'

SURFACE CASING: 8 5/8", 28# J-55 @ 2721'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 10,675'
 TOC @ 126' per CBL (with min 50' isolation)

PERFORATIONS: Wasatch 6360' - 6608'
 Mesaverde 8732' - 10,530'

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:

1814' Green River
 2525' Mahogany
 5174' Wasatch
 8460' Mesaverde

NBU 920-22I- 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 @ ~6310'. 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. TOOH.
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 ~6260'. Clean out to PBSD (10,631').
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 ~6260'. Clean out to PBTD (10,631').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-000577B
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 920-221
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965 FSL 0599 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 22 Township: 09.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047405440000
PHONE NUMBER: 720 929-6511	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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/3/2011	<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: 100px;" type="text"/>

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

The operator has concluded the wellhead/casing repairs on the subject well location. Please see that attached chronological history for details of the operations.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 18, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 7/17/2012	

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 920-22I			Spud Conductor: 12/3/2009			Spud Date: 12/6/2009		
Project: UTAH-UINTAH			Site: NBU 920-22I			Rig Name No: MONUMENT/698		
Event: WELL WORK EXPENSE			Start Date: 10/27/2011			End Date: 10/31/2011		
Active Datum: RKB @4,950.00usft (above Mean Sea Level)			UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/25/2011	7:00 - 11:00	4.00	PROD	35		P		Tb 86 Cs 203 FL GC Could not get Plunger up w/Well. Ran w/Internal Fish Tool to SN at 9938, latched, pulled Pace Maker Plunger, pulled out. Ran w/Down Shear Fish Tool to SN, latched, sheared tool, pulled out. Re-pinned w/Down Shear Fish Tool, ran to SN, pulled Ball and Titanium Spring w/Single X-cups, cups good, replaced Roll Pin. Left Spring, Ball and Plunger in Sep Bldg. Rigged Down. Returned well to Production.
10/27/2011	11:00 - 12:00	1.00	ALL	30	A	P		ROAD RIG F/ NBU 920-220 TO NBU 920-22i
	12:00 - 12:30	0.50	ALL	48		P		HSM, TRIPPING TBG.
	12:30 - 13:00	0.50	ALL	47	A	P		FCP. 80 PSI. FTP. 80 PSI. BLEW TBG DWN, CONTROL TBG W/ 10 BBLs, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG.
	13:00 - 16:30	3.50	ALL	31	I	P		POOH 310 JTS. 2-3/8 L-80 TBG, LD XN.
	16:30 - 18:00	1.50	ALL	34	I	P		RU J-W WIRELINE COMPANY, RIH 4-1/2 BAKER 10K CIBP & SET @ 6300', POOH TOOLS, RD J-W WIRELINE COMPANY, FILL CSG W/ T-MAC, P.T. PLUG TO 2500 PSI. HELD, SWI, SDFN.
10/28/2011	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, RU FLOOR, NU PWR SWVL, REMOVE LOCK-DWN CAP.
	8:30 - 11:00	2.50	ALL	31	B	P		PU INTERNAL CUTTER, RIH, MADE 3 ATTEMPT, CUT CSG @ 3'/F SURFACE, POOH LD CUTTER, CSG & MANDRAL, ND PWR SWVL, PU 4-1/2 OVERSHOT, RIH, LATCH FISH, MIRU CSG CREW & WIRELINE SERVICES, RIH & STRING SHOT CSG COLLAR, BACK-OFF CSG PUP JNT, POOH, PU NEW PUP JNT, RIH & TAG CSG TOP, THREAD INTO CSG, TORQUE CSG TO 7000# W/ 14.5 ROTATIONS, RD CSG CREW & WIRELINE SERVICES, PU CSG TO 100,000# TENSION.
	11:00 - 12:00	1.00	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. FOR 15 MINS, LOST 6.25 PSI. IN 15 MINS, P.T. 4-1/2 CSG TO 3500 PSI. FOR 30 MINS, LOST 25 PSI. IN 30 MINS, NO COMMUNICATION F/ SURFACE CSG & 4-1/2 CSG, RD B&C QUICK TEST.
	12:00 - 15:30	3.50	ALL	31	I	P		RU WEATHERFORD TECHNICIAN, SET C-21 SLIPS, LAND 4-1/2 CSG W/ 80,000# TENSION, CUT-OFF & DRESS 4-1/2 CSG STUB, INSTALL"H" PLATE, FLANGE, CROSSOVER SPOOL, TORQUE ALL 1-7/8 BOLTS TO 2900 FT/LBS., TEST VOILD SEALS TO 5000 PSI. HELD, RD WEATHERFORD TECHNICIAN, NU CSG BOWL, NU BOP'S, RU FLOOR & TBG EQUIPMENT, PU 3-7/8 MILL, 1.875 XN POBS & RIH 199 JTS. 2-3/8 L-80 TBG F/ DERRICK, TAG CIBP @ 6300', NU PWR SWVL, SWI, SDFWE.
10/31/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW FOAM UNIT, D/O CIBP.
	7:30 - 8:45	1.25	ALL	31	H	P		RU TECH FOAM, EST CIRC IN 30 MINS.

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-22I		Spud Conductor: 12/3/2009		Spud Date: 12/6/2009	
Project: UTAH-UINTAH		Site: NBU 920-22I		Rig Name No: MONUMENT/698	
Event: WELL WORK EXPENSE		Start Date: 10/27/2011		End Date: 10/31/2011	
Active Datum: RKB @4,950.00usft (above Mean Sea Level)			UWI: NE/SE/0/9/S/20/E/22/0/0/26/PM/S/1,965.00/E/599/599.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:45 - 9:45	1.00	ALL	44	C	P		D/O CIBP @ 6300' IN 45 MINS, NO INCREASE IN PSI. CIRC WELL, KILL TBG, LD PWR SWVL.
	9:45 - 10:45	1.00	ALL	31	I	P		RIH TBG F/ DERRICK, PU 26 JTS. 2-3/8 L-80 TBG F/ TRAILER, TAG SAND @ 10,564 W/ 334 JTS. INSTALL TSF.
	10:45 - 15:00	4.25	ALL	44	D			RU PWR SWVL, EST CIRC IN 10 MINS, C/O SAND F/ 10,564 TO 10,615' TAG OLD POBS W/ 27 JTS. W/ 335 JTS., CIRC WELL CLEAN, KILL TBG , RD PWR SWVL, LD 2 JTS. REMOVE TSF, DROP BALL, PUMP MILL-OFF W/ 1750 PSI, KILL TBG, POOH LD 25 JTS. ON TRAILER, LAND TBG, RU SWAB EQUIPMENT, RIH & BROACH TBG TO XN W/ 1.9 BROACH, RD SWAB EQUIPMENT, RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, RDMO. MOVE TO NBU 920-22J.
TBG DETAIL								
KB-----13' HANGER-----83" 310 JTS. 2-3/8 L-80 TBG-----9826.17' 1.875 XN POBS-----2.20' EOT @-----9842.20' WLTR. 80 BBLS. TOP PERF @ 6360' BTM PERF @ 10,530' PBSD @ 10,631' C/O TO 10,615' TAG OLD POBS. API # 4304740544								
11/3/2011	7:00 - 11:00	4.00	PROD	35		P		Tb 173 Cs 494 FL GC Ran w/Spear to TD at 10581, pulled out. Ran w/1.910 Broach to SN at 9871, pulled out. Dropped Good Used Titanium spring w/single X-cups and roll pin, chased w/1.910 Broach to SN, set spring, pulled out. Dropped Used Ball and New Pace Maker Plunger. Returned well to Production. Rigged Down.