



June 9, 2008

Utah Division of Oil, Gas & Mining
1594 W. North Temple, STE 1210
Salt Lake City, UT 84114-5801

Attention: Diana Mason

RE: Twin Locations

Dear Diana:

Per our email correspondences on June 6, 2008 Kerr-McGee Oil & Gas Onshore LP is submitting this letter regarding our twin program. We have several wells that plan to twin in the next few years. Our plan is to drill a second well bore to the Mesaverde formation. The currently producing wells are producing from the Wasatch formation and many will be plugged prior to drilling the Mesaverde well. Below is a current list of locations that we plan to drill a twin Mesaverde well.

| | | | |
|--------------------|-----------------------------|---------------|----------------------|
| ✓Wissiuip 820-36PT | Twin to the Wissiuip 36-114 | NBU 1022-3FT | Twin to the NBU 286 |
| ✓Federal 821-33MT | Twin to the Federal 33-93 | NBU 1022-5BT | Twin to the NBU 140 |
| NBU 920-15FT | Twin to the CIGE 22 | NBU 1022-5IT | Twin to the NBU 338 |
| NBU 921-26IT | Twin to the NBU 68-N2 | NBU 1022-8IT | Twin to the CIGE 250 |
| NBU 921-30FT | Twin to the NBU 261 | NBU 1022-9AT | Twin to the NBU 291 |
| NBU 921-31BT | Twin to the NBU 378 | NBU 1022-10HT | Twin to the NBU 293 |
| NBU 921-35AT | Twin to the CIGE 54D | NBU 1022-10FT | Twin to the NBU 248 |
| NBU 922-31CT | Twin to the NBU 354 | ✓NBU 921-03BT | Twin to SHOYO 3-162 |
| ✓NBU 922-31GT | Twin to the CIGE 220 | ✓NBU 921-20IT | Twin to CIGE 70 |
| NBU 922-32O1T | Twin to the NBU 404 | NBU 921-27MT | Twin to NBU 395 |
| NBU 922-32F3T | Twin to the CIGE 106D | NBU 921-27OT | Twin to NBU 305 |
| NBU 922-35IT | Twin to the CIGE 118 | ✓NBU 921-15MT | Twin to NBU 191 |
| NBU 922-36NT | Twin to the CIGE 147 | NBU 921-27HT | Twin to NBU 109 |
| ✓NBU 1022-1CT | Twin to the CIGE 105D | NBU 921-27KT | Twin to NBU 83J |
| NBU 921-27LT | Twin to NBU 214 | | |

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|----------------|-----------------|
| NBU 1022-4N4T | Twin to NBU 148 |
| NBU 922-31L4T | Twin to NBU 41J |
| NBU 1022-4L1T | Twin to NBU 147 |
| NBU 1022-9F4T | Twin to NBU 150 |
| NBU 1022-4P1T | Twin to NBU 208 |
| NBU 1022-9D1T | Twin to NBU 151 |
| NBU 1022-3G3T | Twin to NBU 185 |
| NBU 1022-10A2T | Twin to NBU 117 |
| NBU 921-11B3T | Twin to NBU 195 |
| NBU 921-21E4T | Twin to NBU 127 |
| NBU 921-8A4T | Twin to NBU 202 |

The above lists of well locations are planned for the 2008-2009 drilling program. This list may vary depending on the program. Please do not hesitate to call me if you have any further questions or need additional information.

Thank you,

A handwritten signature in cursive script that reads 'Raleen White'.

Raleen White
Sr. Regulatory Analyst

Cc: SITLA – Ed Bonner
BLM Vernal Office – Verlyn Pindell

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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-0141317 |
| 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 P.O. Box 173779, Denver, CO 80217-3779 | | 8. Lease Name and Well No. NBU 921-11B3S |
| 3b. Phone No. (include area code) 720.929.6226 | | 9. API Well No. 43-047-40299 |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNE 706' FNL & 2028' FEL LAT 40.055919 LON -109.516161 (NAD 27) At proposed prod. zone NWNE 1158' FNL & 2589' FEL, Sec. 11, T 9S, R 21E | | 10. Field and Pool, or Exploratory Natural Buttes Field |
| 14. Distance in miles and direction from nearest town or post office* 20.4 miles northwest of Ouray, Utah | | 11. Sec., T. R. M. or Blk. and Survey or Area Sec. 11, T 9S, R 21E |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 706' | 16. No. of acres in lease 1920 | 17. Spacing Unit dedicated to this well 20 |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 20' | 19. Proposed Depth 10,425' | 20. BLM/BIA Bond No. on file RLB0005239 |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4,832' GL | 22. Approximate date work will start* | 23. Estimated duration 10 days |

24. Attachments

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

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

| | | |
|-----------------------------|---|--------------------|
| 25. Signature | Name (Printed/Typed) Kevin McIntyre | Date 07/29/2008 |
| Title | | |
| Approved by (Signature) | Name (Printed/Typed) BRADLEY G. HILL | Date 08-05-08 |
| 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.

(Continued on page 2)

*(Instructions on page 2)

Surf
626563x
44348084
40.055917
-109.516153

Federal Approval of this
Action is Necessary

BHIL
626395x
44346684
40.054683
-109.518154

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DIV. OF OIL, GAS & MINING

T9S, R21E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

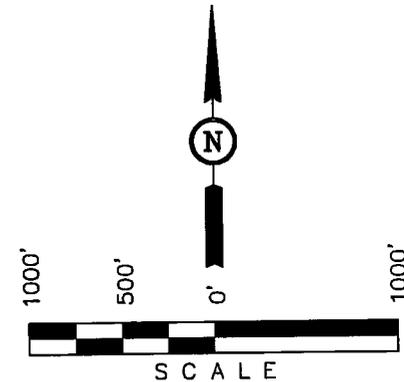
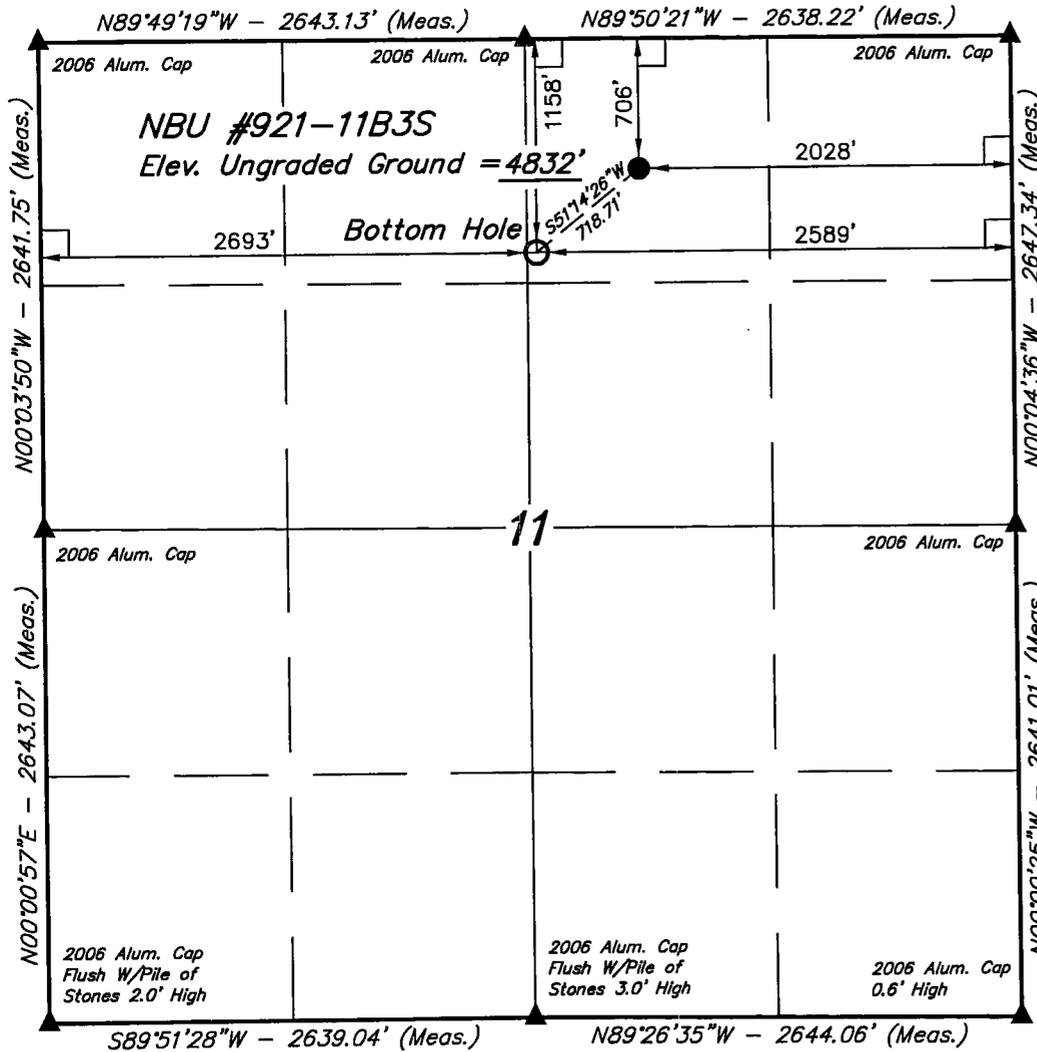
Well location, NBU #921-11B3S, located as shown in the NE 1/4 SE 1/4 of Section 11, T9S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

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

Robert L. Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

LEGEND:

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

| NAD 83 (TARGET BOTTOM HOLE) | NAD 83 (SURFACE LOCATION) |
|--|--|
| LATITUDE = 40°03'16.73" (40.054647) | LATITUDE = 40°03'21.18" (40.055883) |
| LONGITUDE = 109°31'07.87" (109.518853) | LONGITUDE = 109°31'00.66" (109.516850) |
| NAD 27 (TARGET BOTTOM HOLE) | NAD 27 (SURFACE LOCATION) |
| LATITUDE = 40°03'16.86" (40.054683) | LATITUDE = 40°03'21.31" (40.055919) |
| LONGITUDE = 109°31'05.39" (109.518164) | LONGITUDE = 109°30'58.18" (109.516161) |

| | | |
|-------------------------|---|-------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 05-15-08 | DATE DRAWN: 06-06-08 |
| PARTY L.K. N.W. C.C. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE Kerr-McGee Oil & Gas Onshore LP | |



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

July 30, 2008

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 921-11B3S
T9S-R21E
Section 11: NWNE
Surface: 706' FNL, 2028' FEL
Bottom Hole: 2589' FNL, 1158' FEL
Uintah County, Utah

Dear Mrs. Mason:

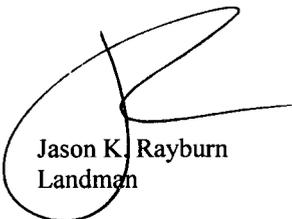
Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 921-11B3S is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP


Jason K. Rayburn
Landman

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DIV. OF OIL, GAS & MINING

**NBU 921-11B3S
Twin to NBU 195
NWNE Sec. 11, T9S,R21E
UINTAH COUNTY, UTAH
UTU-0141317**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Uinta | 0- Surface |
| Green River | 1935' |
| Bird's Nest | 2240' |
| Mahogany | 2747' |
| Wasatch | 4967' |
| Mesaverde | 8113' |
| MVU2 | 9093' |
| MVL1 | 9605' |
| TVD | 10,300' |
| MD | 10,425' |

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|------------------|--------------|
| | Green River | 1935' |
| | Bird's Nest | 2240' |
| | Mahogany | 2747' |
| Gas | Wasatch | 4967' |
| Gas | Mesaverde | 8113' |
| Gas | MVU2 | 9093' |
| Gas | MVL1 | 9605' |
| Water | N/A | |
| Other Minerals | N/A | |

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.

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 10,300' TVD, approximately equals 4120 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3400 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.

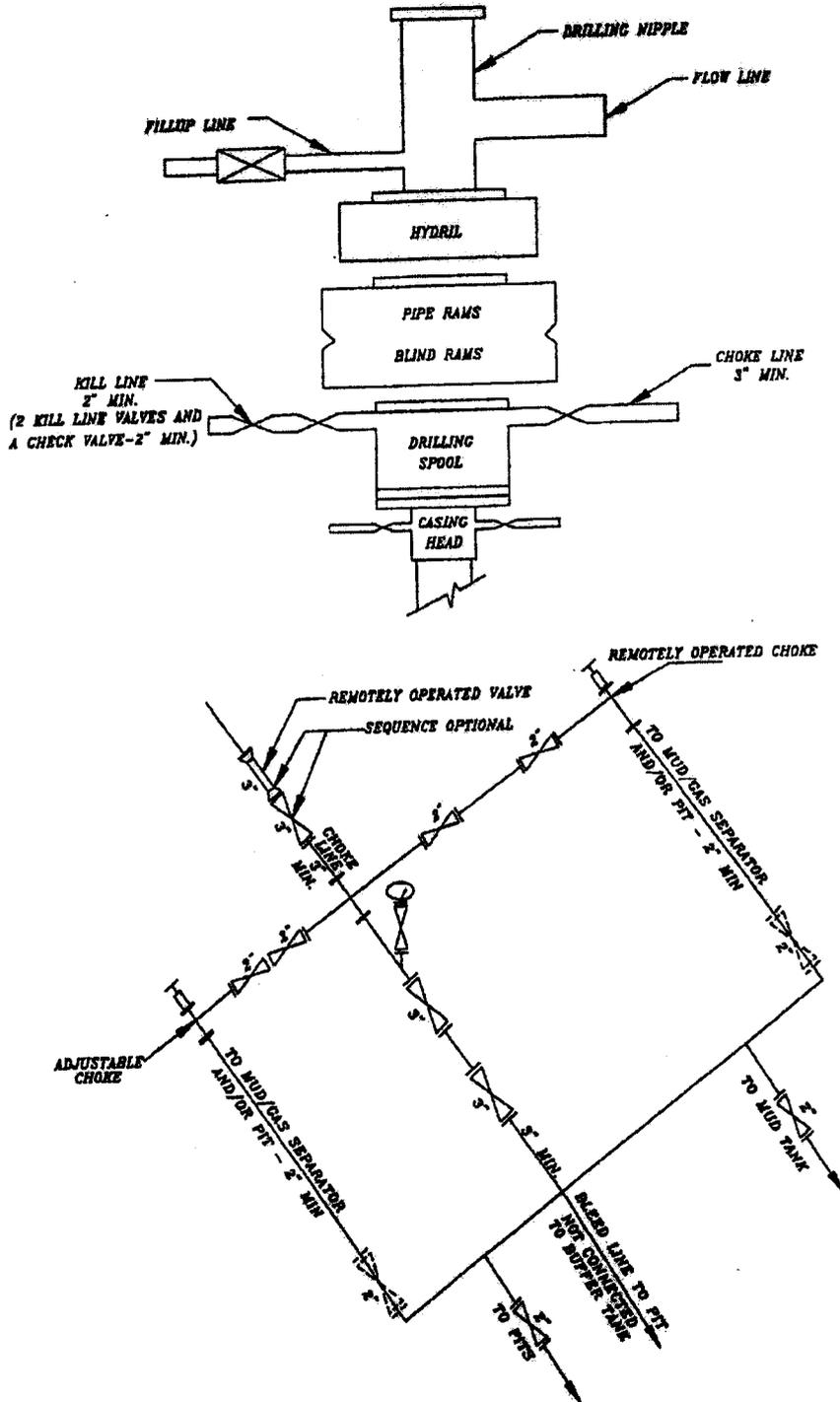
Conclusion

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



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

**NBU 921-11B3S
Twin to NBU 195
NWNE Sec. 11 ,T9S,R21E
UINTAH COUNTY, UTAH
UTU-0141317**

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 190' +/- 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.

The access road was centerline flagged during time of staking.

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.

A 170' rights-of-way will be required. Approximately 170' of 4" steel pipeline is proposed from the location to the tie-in point in Section 11, T9S, R21E. Please refer to the Topo Map D. The pipeline will be constructed utilizing existing rights were possible and pulled into place using a rubber tired tractor. The pipeline will be butt-welded together.

Variations to Best Management Practices (BMPs) Requested:

Approximately 170' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

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 Carlsbad Canyon Brown (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.

Upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

| | |
|---------------------|---------|
| Crested Wheat Grass | 12 lbs. |
|---------------------|---------|

Operator shall call the BLM for the seed mixture when 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:**• Antelope Stipulations**

No construction from May 15 through June 20.

Critical Soils Stipulations:

No construction when wet.

13. Other Information:

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

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

Kevin McIntyre
Regulatory Analyst I
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

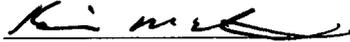
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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 Indian Affairs Nationwide Bond #RLB0005239.

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 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 by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Kevin McIntyre

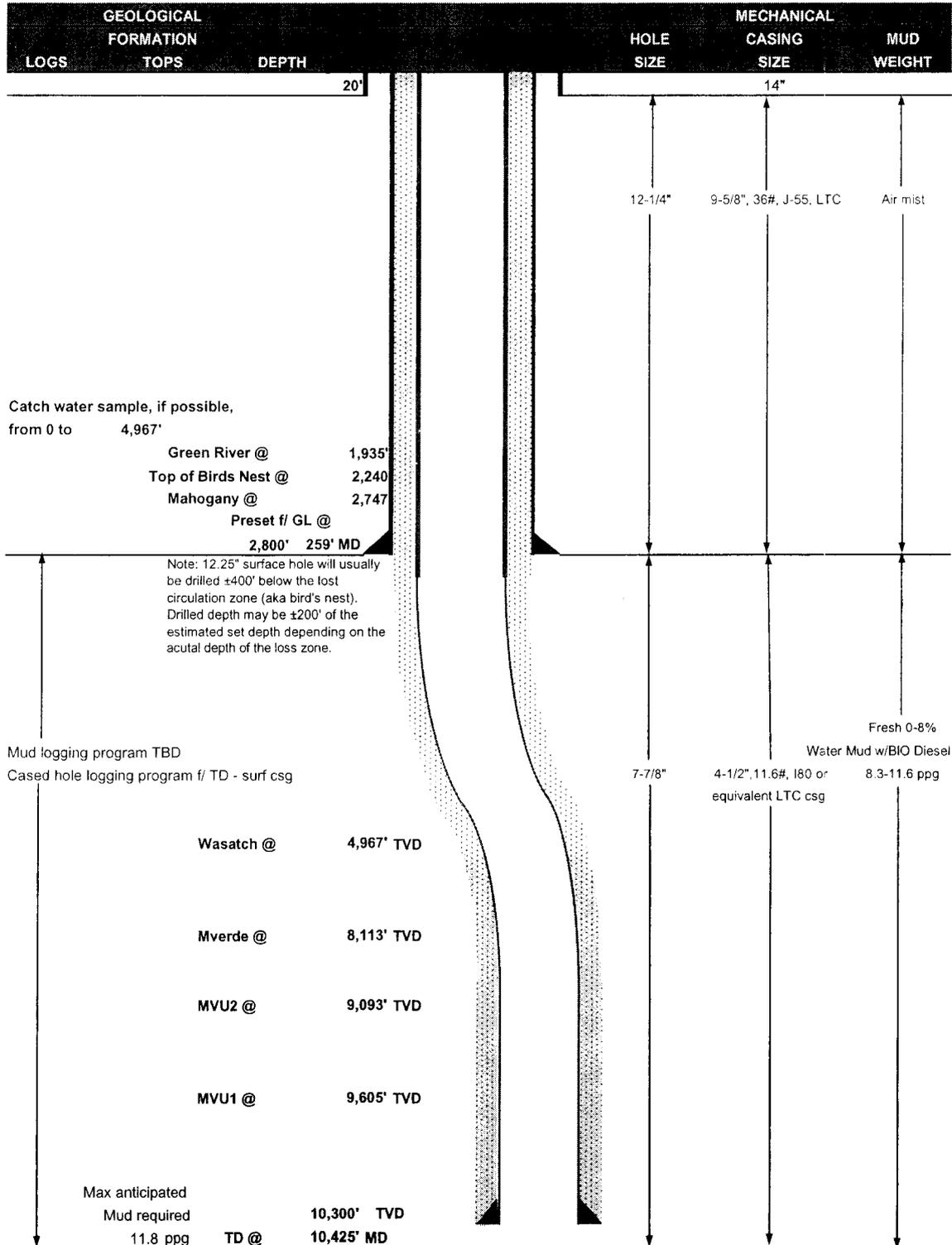
7/30/2008

Date



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

| | | | | | |
|-------------------|--|-----------|------------|---------------|------------|
| COMPANY NAME | KERR-McGEE OIL & GAS ONSHORE LP | | DATE | July 30, 2008 | |
| WELL NAME | NBU 921-11B3S | | TD | 10,300' TVD | 10,425' MD |
| FIELD | Natural Buttes | COUNTY | Uintah | STATE | Utah |
| | | ELEVATION | 4,832' GL | | KB 4,847' |
| SURFACE LOCATION | NWNE 706' FNL & 2028' FEL, Sec. 11, T 9S R 21E | | | | |
| | Latitude: | 40.055919 | Longitude: | -109.516161 | NAD 27 |
| BTM HOLE LOCATION | NWNE 1158' FNL & 2589' FEL, Sec. 11, T 9S R 21E | | | | |
| | Latitude: | 40.054683 | Longitude: | -109.518164 | NAD 27 |
| OBJECTIVE ZONE(S) | Wasatch/Mesaverde | | | | |
| ADDITIONAL INFO | Regulatory Agencies: BLM (MINERALS), 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' | | | | | | |
| SURFACE | 9-5/8" | 0 to 2800 | 36.00 | J-55 | LTC | 3520 0.87 | 2020 1.54 | 453000 5.72 |
| PRODUCTION | 4-1/2" | 0 to 10300 | 11.60 | I-80 | LTC | 7780 1.92 | 6350 1.00 | 201000 1.93 |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point)-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 0.0 ppg) .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 4120 psi

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|------------|-----------------|-------------|--|---------|--------|--------|-------|
| SURFACE | LEAD | 500 | Premium cmt + 2% CaCl + .25 pps flocele | 215 | 60% | 15.60 | 1.18 |
| Option 1 | TOP OUT CMT (1) | 200 | 20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele | 50 | | 15.60 | 1.18 |
| | TOP OUT CMT (2) | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| SURFACE | LEAD | 1500 | NOTE: If well will circulate water to surface, option 2 will be utilized 65/35 Poz + 6% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOW | 360 | 35% | 12.60 | 1.81 |
| Option 2 | TAIL | 500 | Premium cmt + 2% CaCl + .25 pps flocele | 180 | 35% | 15.60 | 1.18 |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| PRODUCTION | LEAD | 7,610' | Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 830 | 60% | 11.00 | 3.38 |
| | TAIL | 2,690' | 50/50 Poz/G + 10% salt + 2% gel +.1% R-3 | 760 | 60% | 14.30 | 1.31 |

*Substitute caliper hole volume plus 15% excess 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 to top of tail cement with 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. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____
Brad Laney

DATE: _____

DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____



Weatherford[®]

Drilling Services

Proposal



NBU 921-11B3S

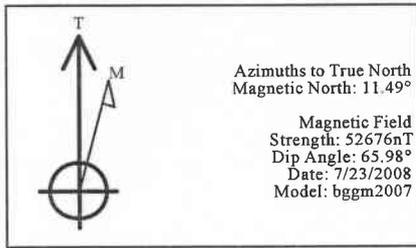
UINTAH COUNTY, UTAH

WELL FILE: **PLAN 1**

JULY 29, 2008

Weatherford International, Ltd.

2000 Oil Drive
Casper, Wyoming
+1.307.265.1413 Main
+1.307.235.3958 Fax
www.weatherford.com



| SECTION DETAILS | | | | | | | | | | |
|-----------------|----------|-------|--------|----------|---------|---------|------|--------|--------|------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
| 1 | 0.00 | 0.00 | 231.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 2860.00 | 0.00 | 231.23 | 2860.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 3685.37 | 24.76 | 231.23 | 3659.92 | -109.95 | -136.90 | 3.00 | 231.23 | 175.59 | |
| 4 | 4354.06 | 24.76 | 231.23 | 4267.13 | -285.32 | -355.27 | 0.00 | 0.00 | 435.66 | |
| 5 | 5592.11 | 0.00 | 231.23 | 5467.00 | -450.25 | -560.62 | 2.00 | 180.00 | 719.04 | |
| 6 | 10425.11 | 0.00 | 231.23 | 10300.00 | -450.25 | -560.62 | 0.00 | 0.00 | 719.04 | PBHL 11B3S |

 KB = 4850
GR = 4832

| WELL DETAILS | | | | | | | |
|--------------|-------|-------|-----------|------------|---------------|----------------|------|
| Name | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
| 11B3S | 0.00 | 0.00 | 633571.76 | 2555261.65 | 40°03'21.310N | 109°30'58.180W | N/A |

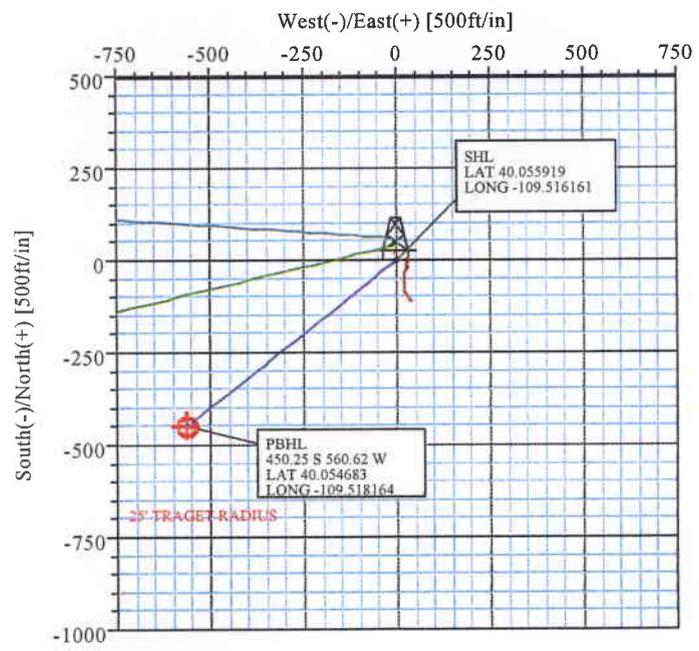
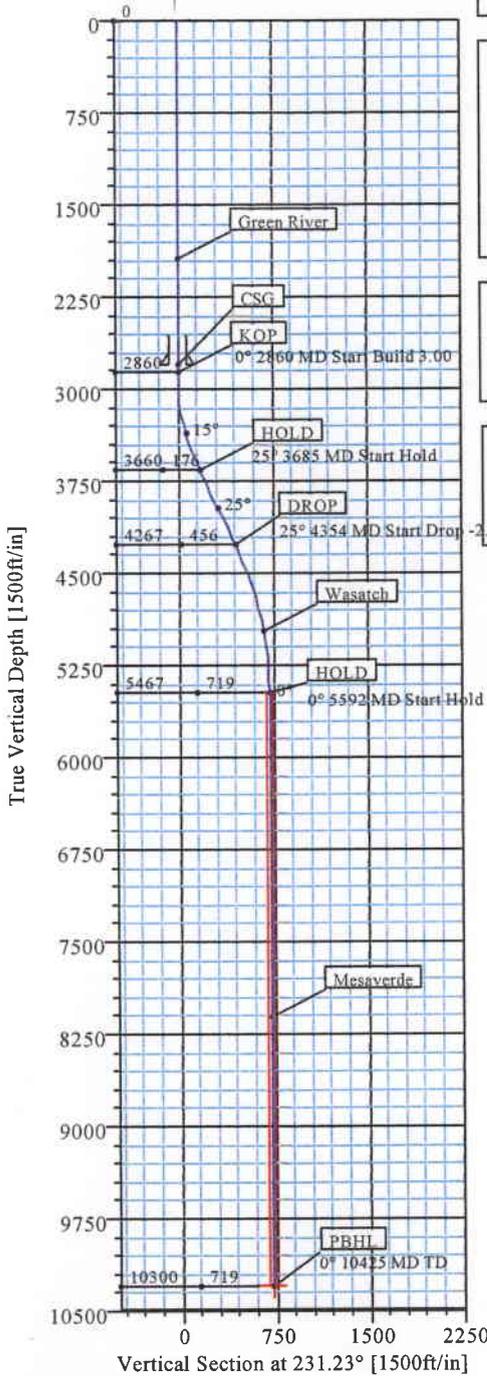
| FORMATION TOP DETAILS | | | |
|-----------------------|---------|---------|-------------|
| No. | TVDPath | MDPath | Formation |
| 1 | 1935.00 | 1935.00 | Green River |
| 2 | 4967.00 | 5089.54 | Wasatch |
| 3 | 8113.00 | 8238.11 | Mesaverde |

FIELD DETAILS
UINTAH COUNTY, UTAH (NAD 27)
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: Utah, Central Zone
Magnetic Model: bggm2007
System Datum: Mean Sea Level
Local North: True North

| CASING DETAILS | | | | |
|----------------|---------|---------|------|------|
| No. | TVD | MD | Name | Size |
| 1 | 2800.00 | 2800.00 | CSG | 0.00 |

| LEGEND | |
|--|-------------------|
|  | 11B3T (1) |
|  | 11C2S (1) |
|  | 11C3S (1) |
|  | EXISTING N195 (1) |
|  | Plan #1 |

| TARGET DETAILS | | | | | | |
|----------------|----------|---------|---------|---------------|----------------|---------------------|
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
| PBHL 11B3S | 10300.00 | -450.25 | -560.62 | 40°03'16.860N | 109°31'05.390W | Circle (Radius: 25) |



Weatherford WELL PLAN REPORT

| | | | |
|--|---|-----------------------|----------------|
| Company: Anadarko-Kerr-McGee | Date: 7/24/2008 | Time: 08:41:37 | Page: 1 |
| Field: UINTAH COUNTY, UTAH (NAD 27) | Co-ordinate(NE) Reference: Well: 11B3S, True North | | |
| Site: NBU 921-11B PAD | Vertical (TVD) Reference: SITE 4850.0 | | |
| Well: 11B3S | Section (VS) Reference: Well (0.00N,0.00E,231.23Azi) | | |
| Wellpath: 1 | Survey Calculation Method: Minimum Curvature | Db: Sybase | |

| | |
|-----------------------|---------------------------------|
| Plan: Plan #1 | Date Composed: 7/23/2008 |
| | Version: 1 |
| Principal: Yes | Tied-to: From Surface |

Field: UINTAH COUNTY, UTAH (NAD 27)

| | |
|--|---------------------------------------|
| Map System: US State Plane Coordinate System 1927 | Map Zone: Utah, Central Zone |
| Geo Datum: NAD27 (Clarke 1866) | Coordinate System: Well Centre |
| Sys Datum: Mean Sea Level | Geomagnetic Model: bggm2007 |

Site: NBU 921-11B PAD

| | | |
|--------------------------------------|-------------------------------|-----------------------------------|
| Site Position: | Northing: 633571.76 ft | Latitude: 40 3 21.310 N |
| From: Geographic | Easting: 2555261.65 ft | Longitude: 109 30 58.180 W |
| Position Uncertainty: 0.00 ft | | North Reference: True |
| Ground Level: 4832.00 ft | | Grid Convergence: 1.27 deg |

| | |
|--------------------------------------|-----------------------------------|
| Well: 11B3S | Slot Name: |
| Well Position: +N/-S 0.00 ft | Northing: 633571.76 ft |
| +E/-W 0.00 ft | Easting: 2555261.65 ft |
| Position Uncertainty: 0.00 ft | Latitude: 40 3 21.310 N |
| | Longitude: 109 30 58.180 W |

| | |
|---|---|
| Wellpath: 1 | Drilled From: Surface |
| Current Datum: SITE | Tie-on Depth: 0.00 ft |
| Magnetic Data: 7/23/2008 | Above System Datum: Mean Sea Level |
| Field Strength: 52676 nT | Declination: 11.49 deg |
| Vertical Section: Depth From (TVD) | Mag Dip Angle: 65.98 deg |
| ft | +N/-S ft |
| | +E/-W ft |
| | Direction deg |
| 0.00 | 0.00 |
| | 0.00 |
| | 231.23 |

Plan Section Information

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg | Target |
|----------|-------------|-------------|-----------|-------------|-------------|------------------|--------------------|-------------------|------------|------------|
| 0.00 | 0.00 | 231.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2860.00 | 0.00 | 231.23 | 2860.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3685.37 | 24.76 | 231.23 | 3659.92 | -109.95 | -136.90 | 3.00 | 3.00 | 0.00 | 231.23 | |
| 4354.06 | 24.76 | 231.23 | 4267.13 | -285.32 | -355.27 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5592.11 | 0.00 | 231.23 | 5467.00 | -450.25 | -560.62 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 10425.11 | 0.00 | 231.23 | 10300.00 | -450.25 | -560.62 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL 11B3S |

Survey

| MD ft | Incl deg | Azim deg | TVD ft | N/S ft | E/W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|---------|
| 2800.00 | 0.00 | 231.23 | 2800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | CSG |
| 2860.00 | 0.00 | 231.23 | 2860.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | KOP |
| 2900.00 | 1.20 | 231.23 | 2900.00 | -0.26 | -0.33 | 0.42 | 3.00 | 3.00 | 0.00 | |
| 3000.00 | 4.20 | 231.23 | 2999.87 | -3.21 | -4.00 | 5.13 | 3.00 | 3.00 | 0.00 | |
| 3100.00 | 7.20 | 231.23 | 3099.37 | -9.43 | -11.74 | 15.06 | 3.00 | 3.00 | 0.00 | |
| 3200.00 | 10.20 | 231.23 | 3198.21 | -18.90 | -23.53 | 30.18 | 3.00 | 3.00 | 0.00 | |
| 3300.00 | 13.20 | 231.23 | 3296.12 | -31.60 | -39.34 | 50.46 | 3.00 | 3.00 | 0.00 | |
| 3400.00 | 16.20 | 231.23 | 3392.83 | -47.49 | -59.13 | 75.83 | 3.00 | 3.00 | 0.00 | |
| 3500.00 | 19.20 | 231.23 | 3488.09 | -66.52 | -82.83 | 106.23 | 3.00 | 3.00 | 0.00 | |
| 3600.00 | 22.20 | 231.23 | 3581.62 | -88.65 | -110.38 | 141.58 | 3.00 | 3.00 | 0.00 | |
| 3685.37 | 24.76 | 231.23 | 3659.92 | -109.95 | -136.90 | 175.59 | 3.00 | 3.00 | 0.00 | HOLD |
| 3700.00 | 24.76 | 231.23 | 3673.20 | -113.79 | -141.68 | 181.72 | 0.00 | 0.00 | 0.00 | |
| 3800.00 | 24.76 | 231.23 | 3764.01 | -140.01 | -174.34 | 223.60 | 0.00 | 0.00 | 0.00 | |
| 3900.00 | 24.76 | 231.23 | 3854.81 | -166.24 | -206.99 | 265.48 | 0.00 | 0.00 | 0.00 | |
| 4000.00 | 24.76 | 231.23 | 3945.62 | -192.47 | -239.65 | 307.37 | 0.00 | 0.00 | 0.00 | |

Weatherford

WELL PLAN REPORT

| | | | |
|---|--|---|-------------------------------------|
| Company: Anadarko-Kerr-McGee Field: UINTAH COUNTY, UTAH (NAD 27) Site: NBU 921-11B PAD Well: 11B3S Wellpath: 1 | Date: 7/24/2008 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method: | Time: 08:41:37 Well: 11B3S, True North SITE: 4850.0 Well (0.00N,0.00E,231.23Azi) Minimum Curvature | Page: 2 Db: Sybase |
|---|--|---|-------------------------------------|

Survey

| MD ft | Incl deg | Azim deg | TVD ft | N/S ft | E/W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|-----------|
| 4100.00 | 24.76 | 231.23 | 4036.43 | -218.69 | -272.30 | 349.25 | 0.00 | 0.00 | 0.00 | |
| 4200.00 | 24.76 | 231.23 | 4127.23 | -244.92 | -304.96 | 391.13 | 0.00 | 0.00 | 0.00 | |
| 4300.00 | 24.76 | 231.23 | 4218.04 | -271.15 | -337.61 | 433.02 | 0.00 | 0.00 | 0.00 | |
| 4354.06 | 24.76 | 231.23 | 4267.13 | -285.32 | -355.27 | 455.66 | 0.00 | 0.00 | 0.00 | DROP |
| 4400.00 | 23.84 | 231.23 | 4309.00 | -297.16 | -370.01 | 474.57 | 2.00 | -2.00 | 0.00 | |
| 4500.00 | 21.84 | 231.23 | 4401.15 | -321.47 | -400.27 | 513.38 | 2.00 | -2.00 | 0.00 | |
| 4600.00 | 19.84 | 231.23 | 4494.60 | -343.75 | -428.01 | 548.96 | 2.00 | -2.00 | 0.00 | |
| 4700.00 | 17.84 | 231.23 | 4589.24 | -363.97 | -453.19 | 581.26 | 2.00 | -2.00 | 0.00 | |
| 4800.00 | 15.84 | 231.23 | 4684.95 | -382.11 | -475.78 | 610.23 | 2.00 | -2.00 | 0.00 | |
| 4900.00 | 13.84 | 231.23 | 4781.60 | -398.15 | -495.75 | 635.84 | 2.00 | -2.00 | 0.00 | |
| 5000.00 | 11.84 | 231.23 | 4879.10 | -412.07 | -513.08 | 658.07 | 2.00 | -2.00 | 0.00 | |
| 5089.54 | 10.05 | 231.23 | 4967.00 | -422.72 | -526.34 | 675.07 | 2.00 | -2.00 | 0.00 | Wasatch |
| 5100.00 | 9.84 | 231.23 | 4977.31 | -423.85 | -527.74 | 676.88 | 2.00 | -2.00 | 0.00 | |
| 5200.00 | 7.84 | 231.23 | 5076.11 | -433.47 | -539.73 | 692.25 | 2.00 | -2.00 | 0.00 | |
| 5300.00 | 5.84 | 231.23 | 5175.40 | -440.93 | -549.02 | 704.16 | 2.00 | -2.00 | 0.00 | |
| 5400.00 | 3.84 | 231.23 | 5275.03 | -446.22 | -555.60 | 712.60 | 2.00 | -2.00 | 0.00 | |
| 5500.00 | 1.84 | 231.23 | 5374.91 | -449.32 | -559.46 | 717.56 | 2.00 | -2.00 | 0.00 | |
| 5592.11 | 0.00 | 231.23 | 5467.00 | -450.25 | -560.62 | 719.04 | 2.00 | -2.00 | 0.00 | HOLD |
| 5600.00 | 0.00 | 231.23 | 5474.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 5700.00 | 0.00 | 231.23 | 5574.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 5800.00 | 0.00 | 231.23 | 5674.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 5900.00 | 0.00 | 231.23 | 5774.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6000.00 | 0.00 | 231.23 | 5874.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6100.00 | 0.00 | 231.23 | 5974.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6200.00 | 0.00 | 231.23 | 6074.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6300.00 | 0.00 | 231.23 | 6174.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6400.00 | 0.00 | 231.23 | 6274.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6500.00 | 0.00 | 231.23 | 6374.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6600.00 | 0.00 | 231.23 | 6474.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6700.00 | 0.00 | 231.23 | 6574.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6800.00 | 0.00 | 231.23 | 6674.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 6900.00 | 0.00 | 231.23 | 6774.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7000.00 | 0.00 | 231.23 | 6874.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7100.00 | 0.00 | 231.23 | 6974.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7200.00 | 0.00 | 231.23 | 7074.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7300.00 | 0.00 | 231.23 | 7174.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7400.00 | 0.00 | 231.23 | 7274.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7500.00 | 0.00 | 231.23 | 7374.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7600.00 | 0.00 | 231.23 | 7474.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7700.00 | 0.00 | 231.23 | 7574.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7800.00 | 0.00 | 231.23 | 7674.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 7900.00 | 0.00 | 231.23 | 7774.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8000.00 | 0.00 | 231.23 | 7874.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8100.00 | 0.00 | 231.23 | 7974.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8200.00 | 0.00 | 231.23 | 8074.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8238.11 | 0.00 | 231.23 | 8113.00 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | Mesaverde |
| 8300.00 | 0.00 | 231.23 | 8174.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8400.00 | 0.00 | 231.23 | 8274.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8500.00 | 0.00 | 231.23 | 8374.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8600.00 | 0.00 | 231.23 | 8474.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8700.00 | 0.00 | 231.23 | 8574.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8800.00 | 0.00 | 231.23 | 8674.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 8900.00 | 0.00 | 231.23 | 8774.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |

Weatherford WELL PLAN REPORT

| | | | |
|--|---|-----------------------|----------------|
| Company: Anadarko-Kerr-McGee | Date: 7/24/2008 | Time: 08:41:37 | Page: 3 |
| Field: UINTAH COUNTY, UTAH (NAD 27) | Co-ordinate(NE) Reference: Well: 11B3S, True North | | |
| Site: NBU 921-11B PAD | Vertical (TVD) Reference: SITE 4850.0 | | |
| Well: 11B3S | Section (VS) Reference: Well (0.00N,0.00E,231.23Azi) | | |
| Wellpath: 1 | Survey Calculation Method: Minimum Curvature | Db: Sybase | |

Survey

| MD ft | Incl deg | Azim deg | TVD ft | N/S ft | E/W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|--------------------|-------------------|------------|
| 9000.00 | 0.00 | 231.23 | 8874.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9100.00 | 0.00 | 231.23 | 8974.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9200.00 | 0.00 | 231.23 | 9074.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9300.00 | 0.00 | 231.23 | 9174.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9400.00 | 0.00 | 231.23 | 9274.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9500.00 | 0.00 | 231.23 | 9374.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9600.00 | 0.00 | 231.23 | 9474.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9700.00 | 0.00 | 231.23 | 9574.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9800.00 | 0.00 | 231.23 | 9674.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 9900.00 | 0.00 | 231.23 | 9774.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 10000.00 | 0.00 | 231.23 | 9874.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 10100.00 | 0.00 | 231.23 | 9974.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 10200.00 | 0.00 | 231.23 | 10074.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 10300.00 | 0.00 | 231.23 | 10174.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 10400.00 | 0.00 | 231.23 | 10274.89 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | |
| 10425.11 | 0.00 | 231.23 | 10300.00 | -450.25 | -560.62 | 719.04 | 0.00 | 0.00 | 0.00 | PBHL 11B3S |

Targets

| Name | Description Dip. | Dir. | TVD ft | +N/-S ft | +E/-W ft | Map Northing ft | Map Easting ft | <--- Latitude ---> | | | <--- Longitude ---> | | | | |
|------------|----------------------|------|-----------|-------------|-------------|-----------------------|----------------------|--------------------|-----|--------|---------------------|-----|-----|-------|---|
| | | | | | | | | Deg | Min | Sec | Deg | Min | Sec | | |
| PBHL 11B3S | | | 10300.00 | -450.25 | -560.62 | 633109.1925547 | 111.15 | 40 | 3 | 16.860 | N | 109 | 31 | 5.390 | W |
| | -Circle (Radius: 25) | | | | | | | | | | | | | | |
| | -Plan hit target | | | | | | | | | | | | | | |

Casing Points

| MD ft | TVD ft | Diameter in | Hole Size in | Name |
|----------|-----------|----------------|-----------------|------|
| 2800.00 | 2800.00 | 0.00 | 0.00 | CSG |

Annotation

| MD ft | TVD ft | |
|----------|-----------|------|
| 2860.00 | 2860.00 | KOP |
| 3685.36 | 3659.91 | HOLD |
| 4354.06 | 4267.13 | DROP |
| 5592.11 | 5467.00 | HOLD |
| 10425.10 | 10299.99 | PBHL |

Formations

| MD ft | TVD ft | Formations | Lithology | Dip Angle deg | Dip Direction deg |
|----------|-----------|-------------|-----------|------------------|----------------------|
| 1935.00 | 1935.00 | Green River | | 0.00 | 0.00 |
| 5089.54 | 4967.00 | Wasatch | | 0.00 | 0.00 |
| 8238.11 | 8113.00 | Mesaverde | | 0.00 | 0.00 |



Weatherford

Weatherford Drilling Services

GeoDec v4.3.065

Report Date: July 29, 2008
 Job Number: _____
 Customer: ANADARKO
 Well Name: NBU 921-11B3S
 API Number: _____
 Rig Name: _____
 Location: UINTAH COUNYT, UTAH
 Block: _____
 Engineer: R JOYNER

| | |
|---|---|
| Geodetic Latitude / Longitude | Geodetic Latitude / Longitude |
| System: Latitude / Longitude | System: Latitude / Longitude |
| Projection: Geodetic Latitude and Longitude | Projection: Geodetic Latitude and Longitude |
| Datum: NAD 1927 (NADCON CONUS) | Datum: NAD 1927 (NADCON CONUS) |
| Ellipsoid: Clarke 1866 | Ellipsoid: Clarke 1866 |
| Latitude 40 3 21.310000 DMS | Latitude 40.0559194 DEG |
| Longitude -109 30 58.180000 DMS | Longitude -109.5161611 DEG |

Geodetic Location WGS84 Elevation = 0.0 Meters
 Latitude = 40.05592° N 40° 3 min 21.310 sec
 Longitude = 109.51616° W 109° 30 min 58.180 sec

| | | | |
|------------------------|--------------|---------------------|----------|
| Magnetic Declination = | 11.4880° | [True North Offset] | |
| Local Gravity = | .9995 g | | |
| Local Field Strength = | 52675 nT | Magnetic Vector X = | 21011 nT |
| Magnetic Dip = | 65.9820° | Magnetic Vector Y = | 4270 nT |
| Magnetic Model = | bggm2007 | Magnetic Vector Z = | 48114 nT |
| Spud Date = | Jul 29, 2008 | Magnetic Vector H = | 21440 nT |

Signed: _____

Date: _____

Weatherford Anticollision Report

| | | | | | | | |
|----------------------------|------------------------------|-----------------------------------|-------------------------|--------------|----------|--------------|---|
| Company: | Anadarko-Kerr-McGee | Date: | 7/28/2008 | Time: | 10:16:31 | Page: | 1 |
| Field: | UINTAH COUNTY, UTAH (NAD 27) | Co-ordinate(NE) Reference: | Well: 11B3S, True North | | | | |
| Reference Site: | NBU 921-11B PAD | Vertical (TVD) Reference: | SITE 4850.0 | | | | |
| Reference Well: | 11B3S | | | | | | |
| Reference Wellpath: | 1 | Db: Sybase | | | | | |

| | |
|--|---|
| NO GLOBAL SCAN: Using user defined selection & scan criteria Interpolation Method: MD + Stations Interval: 100.00 ft Depth Range: 0.00 to 9376.38 ft Maximum Radius: 10000.00 ft | Reference: Plan: Plan #1 Error Model: ISCWSA Ellipse Scan Method: Closest Approach 3D Error Surface: Ellipse |
|--|---|

| | |
|-----------------------|---------------------------------|
| Plan: Plan #1 | Date Composed: 7/23/2008 |
| Principal: Yes | Version: 1 |
| | Tied-to: From Surface |

| Site | Well | Wellpath | Reference MD ft | Offset MD ft | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|-----------------|---------------|-----------------------|--------------------|-----------------|---------------------------|------------------------|----------------------|---------|
| NBU 921-11B PAD | 11B3T | 1 V0 Plan: Plan #1 V1 | 2900.00 | 2900.00 | 19.68 | 7.78 | 1.65 | |
| NBU 921-11B PAD | EXISTING N195 | 1 V0 | 3000.00 | 3000.04 | 36.60 | 29.23 | 4.96 | |

Site: NBU 921-11B PAD
Well: 11B3T
Wellpath: 1 V0 Plan: Plan #1 V1
Inter-Site Error: 0.00 ft

| Reference MD ft | TVD ft | Offset MD ft | TVD ft | Semi-Major Axis Ref ft | Offset ft | TFO-HS deg | Offset Location North ft | East ft | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|--------------------|-----------|-----------------|-----------|------------------------------|--------------|---------------|--------------------------------|------------|---------------------------|------------------------|----------------------|---------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 350.81 | 19.22 | -3.11 | 19.47 | | | No Data |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.09 | 0.09 | 350.81 | 19.22 | -3.11 | 19.47 | 19.30 | 113.37 | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.30 | 0.30 | 350.81 | 19.22 | -3.11 | 19.47 | 18.88 | 32.97 | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.50 | 0.50 | 350.81 | 19.22 | -3.11 | 19.47 | 18.46 | 19.29 | |
| 400.00 | 400.00 | 400.00 | 400.00 | 0.71 | 0.71 | 350.81 | 19.22 | -3.11 | 19.47 | 18.04 | 13.63 | |
| 500.00 | 500.00 | 500.00 | 500.00 | 0.92 | 0.92 | 350.81 | 19.22 | -3.11 | 19.47 | 17.62 | 10.54 | |
| 600.00 | 600.00 | 600.00 | 600.00 | 1.13 | 1.13 | 350.81 | 19.22 | -3.11 | 19.47 | 17.20 | 8.59 | |
| 700.00 | 700.00 | 700.00 | 700.00 | 1.34 | 1.34 | 350.81 | 19.22 | -3.11 | 19.47 | 16.78 | 7.25 | |
| 800.00 | 800.00 | 800.00 | 800.00 | 1.55 | 1.55 | 350.81 | 19.22 | -3.11 | 19.47 | 16.37 | 6.27 | |
| 900.00 | 900.00 | 900.00 | 900.00 | 1.76 | 1.76 | 350.81 | 19.22 | -3.11 | 19.47 | 15.95 | 5.53 | |
| 1000.00 | 1000.00 | 1000.00 | 1000.00 | 1.97 | 1.97 | 350.81 | 19.22 | -3.11 | 19.47 | 15.53 | 4.94 | |
| 1100.00 | 1100.00 | 1100.00 | 1100.00 | 2.18 | 2.18 | 350.81 | 19.22 | -3.11 | 19.47 | 15.11 | 4.47 | |
| 1200.00 | 1200.00 | 1200.00 | 1200.00 | 2.39 | 2.39 | 350.81 | 19.22 | -3.11 | 19.47 | 14.69 | 4.07 | |
| 1300.00 | 1300.00 | 1300.00 | 1300.00 | 2.60 | 2.60 | 350.81 | 19.22 | -3.11 | 19.47 | 14.27 | 3.75 | |
| 1400.00 | 1400.00 | 1400.00 | 1400.00 | 2.81 | 2.81 | 350.81 | 19.22 | -3.11 | 19.47 | 13.85 | 3.47 | |
| 1500.00 | 1500.00 | 1500.00 | 1500.00 | 3.02 | 3.02 | 350.81 | 19.22 | -3.11 | 19.47 | 13.43 | 3.23 | |
| 1600.00 | 1600.00 | 1600.00 | 1600.00 | 3.23 | 3.23 | 350.81 | 19.22 | -3.11 | 19.47 | 13.02 | 3.02 | |
| 1700.00 | 1700.00 | 1700.00 | 1700.00 | 3.44 | 3.44 | 350.81 | 19.22 | -3.11 | 19.47 | 12.60 | 2.83 | |
| 1800.00 | 1800.00 | 1800.00 | 1800.00 | 3.65 | 3.65 | 350.81 | 19.22 | -3.11 | 19.47 | 12.18 | 2.67 | |
| 1900.00 | 1900.00 | 1900.00 | 1900.00 | 3.86 | 3.86 | 350.81 | 19.22 | -3.11 | 19.47 | 11.76 | 2.52 | |
| 2000.00 | 2000.00 | 2000.00 | 2000.00 | 4.07 | 4.07 | 350.81 | 19.22 | -3.11 | 19.47 | 11.34 | 2.39 | |
| 2100.00 | 2100.00 | 2100.00 | 2100.00 | 4.27 | 4.27 | 350.81 | 19.22 | -3.11 | 19.47 | 10.92 | 2.28 | |
| 2200.00 | 2200.00 | 2200.00 | 2200.00 | 4.48 | 4.48 | 350.81 | 19.22 | -3.11 | 19.47 | 10.50 | 2.17 | |
| 2300.00 | 2300.00 | 2300.00 | 2300.00 | 4.69 | 4.69 | 350.81 | 19.22 | -3.11 | 19.47 | 10.08 | 2.07 | |
| 2400.00 | 2400.00 | 2400.00 | 2400.00 | 4.90 | 4.90 | 350.81 | 19.22 | -3.11 | 19.47 | 9.66 | 1.99 | |
| 2500.00 | 2500.00 | 2500.00 | 2500.00 | 5.11 | 5.11 | 350.81 | 19.22 | -3.11 | 19.47 | 9.25 | 1.90 | |
| 2600.00 | 2600.00 | 2600.00 | 2600.00 | 5.32 | 5.32 | 350.81 | 19.22 | -3.11 | 19.47 | 8.83 | 1.83 | |
| 2700.00 | 2700.00 | 2700.00 | 2700.00 | 5.53 | 5.53 | 350.81 | 19.22 | -3.11 | 19.47 | 8.41 | 1.76 | |
| 2800.00 | 2800.00 | 2800.00 | 2800.00 | 5.74 | 5.74 | 350.81 | 19.22 | -3.11 | 19.47 | 7.99 | 1.70 | |
| 2860.00 | 2860.00 | 2860.00 | 2860.00 | 5.87 | 5.87 | 350.81 | 19.22 | -3.11 | 19.47 | 7.74 | 1.66 | |
| 2900.00 | 2900.00 | 2900.00 | 2900.00 | 5.95 | 5.95 | 120.63 | 19.22 | -3.11 | 19.68 | 7.78 | 1.65 | |
| 3000.00 | 2999.87 | 2999.87 | 2999.87 | 6.16 | 6.16 | 130.96 | 19.22 | -3.11 | 22.45 | 10.14 | 1.82 | |
| 3100.00 | 3099.37 | 3099.37 | 3099.37 | 6.38 | 6.37 | 145.32 | 19.22 | -3.11 | 29.92 | 17.21 | 2.35 | |
| 3200.00 | 3198.21 | 3198.21 | 3198.21 | 6.60 | 6.57 | 156.62 | 19.22 | -3.11 | 43.25 | 30.17 | 3.31 | |
| 3300.00 | 3296.12 | 3296.12 | 3296.12 | 6.85 | 6.78 | 163.85 | 19.22 | -3.11 | 62.41 | 48.98 | 4.65 | |
| 3400.00 | 3392.83 | 3392.83 | 3392.83 | 7.14 | 6.98 | 168.34 | 19.22 | -3.11 | 87.11 | 73.33 | 6.32 | |

Weatherford Anticollision Report

| | | | | |
|----------------------------|------------------------------|-----------------------------------|-------------------------|----------------|
| Company: | Anadarko-Kerr-McGee | Date: 7/28/2008 | Time: 10:16:31 | Page: 2 |
| Field: | UINTAH COUNTY, UTAH (NAD 27) | | | |
| Reference Site: | NBU 921-11B PAD | Co-ordinate(NE) Reference: | Well: 11B3S, True North | |
| Reference Well: | 11B3S | Vertical (TVD) Reference: | SITE 4850.0 | |
| Reference Wellpath: | 1 | Db: Sybase | | |

Site: NBU 921-11B PAD
 Well: 11B3T
 Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

| Reference MD ft | TVD ft | Offset | | Semi-Major Axis | | | Offset Location | | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|-----------------------|-----------|----------|-----------|-----------------|--------------|---------------|-----------------|------------|---------------------------|------------------------|----------------------|---------|
| | | MD ft | TVD ft | Ref ft | Offset ft | TFO-HS deg | North ft | East ft | | | | |
| 3500.00 | 3488.09 | 3488.09 | 3488.09 | 7.47 | 7.18 | 171.20 | 19.22 | -3.11 | 117.07 | 102.98 | 8.31 | |
| 3600.00 | 3581.62 | 3581.62 | 3581.62 | 7.88 | 7.38 | 173.10 | 19.22 | -3.11 | 152.13 | 137.72 | 10.56 | |
| 3685.37 | 3659.92 | 3659.92 | 3659.92 | 8.28 | 7.54 | 174.25 | 19.22 | -3.11 | 185.97 | 171.30 | 12.68 | |
| 3700.00 | 3673.20 | 3673.20 | 3673.20 | 8.36 | 7.57 | 174.43 | 19.22 | -3.11 | 192.07 | 177.34 | 13.04 | |
| 3800.00 | 3764.01 | 3764.01 | 3764.01 | 8.90 | 7.76 | 175.43 | 19.22 | -3.11 | 233.82 | 218.64 | 15.40 | |
| 3900.00 | 3854.81 | 3854.81 | 3854.81 | 9.48 | 7.95 | 176.12 | 19.22 | -3.11 | 275.61 | 259.97 | 17.62 | |
| 4000.00 | 3945.62 | 3945.62 | 3945.62 | 10.09 | 8.14 | 176.63 | 19.22 | -3.11 | 317.43 | 301.32 | 19.71 | |
| 4100.00 | 4036.43 | 4036.43 | 4036.43 | 10.74 | 8.33 | 177.03 | 19.22 | -3.11 | 359.26 | 342.68 | 21.67 | |
| 4200.00 | 4127.23 | 4127.23 | 4127.23 | 11.41 | 8.52 | 177.34 | 19.22 | -3.11 | 401.10 | 384.05 | 23.52 | |
| 4300.00 | 4218.04 | 4218.04 | 4218.04 | 12.09 | 8.71 | 177.59 | 19.22 | -3.11 | 442.95 | 425.41 | 25.25 | |
| 4354.06 | 4267.13 | 4267.13 | 4267.13 | 12.47 | 8.81 | 177.70 | 19.22 | -3.11 | 465.58 | 447.77 | 26.15 | |
| 4400.00 | 4309.00 | 4309.00 | 4309.00 | 12.70 | 8.90 | 177.81 | 19.22 | -3.11 | 484.47 | 466.49 | 26.94 | |
| 4500.00 | 4401.15 | 4401.15 | 4401.15 | 12.98 | 9.09 | 178.00 | 19.22 | -3.11 | 523.27 | 505.10 | 28.81 | |
| 4600.00 | 4494.60 | 4494.60 | 4494.60 | 13.26 | 9.29 | 178.15 | 19.22 | -3.11 | 558.83 | 540.49 | 30.47 | |
| 4700.00 | 4589.24 | 4589.24 | 4589.24 | 13.52 | 9.49 | 178.28 | 19.22 | -3.11 | 591.11 | 572.60 | 31.94 | |
| 4800.00 | 4684.95 | 4684.95 | 4684.95 | 13.76 | 9.69 | 178.37 | 19.22 | -3.11 | 620.07 | 601.41 | 33.22 | |
| 4900.00 | 4781.60 | 4781.60 | 4781.60 | 13.98 | 9.89 | 178.45 | 19.22 | -3.11 | 645.67 | 626.87 | 34.34 | |
| 5000.00 | 4879.10 | 4879.10 | 4879.10 | 14.16 | 10.10 | 178.52 | 19.22 | -3.11 | 667.89 | 648.96 | 35.29 | |
| 5100.00 | 4977.31 | 4977.31 | 4977.31 | 14.31 | 10.30 | 178.57 | 19.22 | -3.11 | 686.70 | 667.66 | 36.07 | |
| 5200.00 | 5076.11 | 5076.11 | 5076.11 | 14.42 | 10.51 | 178.60 | 19.22 | -3.11 | 702.06 | 682.94 | 36.71 | |
| 5300.00 | 5175.40 | 5175.40 | 5175.40 | 14.48 | 10.72 | 178.63 | 19.22 | -3.11 | 713.97 | 694.78 | 37.20 | |
| 5400.00 | 5275.03 | 5275.03 | 5275.03 | 14.50 | 10.92 | 178.65 | 19.22 | -3.11 | 722.41 | 703.17 | 37.55 | |
| 5500.00 | 5374.91 | 5374.91 | 5374.91 | 14.47 | 11.13 | 178.67 | 19.22 | -3.11 | 727.37 | 708.10 | 37.75 | |
| 5592.11 | 5467.00 | 5467.00 | 5467.00 | 14.41 | 11.33 | 49.90 | 19.22 | -3.11 | 728.85 | 705.37 | 31.05 | |
| 5600.00 | 5474.89 | 5474.89 | 5474.89 | 14.41 | 11.34 | 49.90 | 19.22 | -3.11 | 728.85 | 705.36 | 31.03 | |
| 5700.00 | 5574.89 | 5574.89 | 5574.89 | 14.50 | 11.55 | 49.90 | 19.22 | -3.11 | 728.85 | 705.03 | 30.61 | |
| 5800.00 | 5674.89 | 5674.89 | 5674.89 | 14.60 | 11.76 | 49.90 | 19.22 | -3.11 | 728.85 | 704.71 | 30.20 | |
| 5900.00 | 5774.89 | 5774.89 | 5774.89 | 14.70 | 11.97 | 49.90 | 19.22 | -3.11 | 728.85 | 704.38 | 29.79 | |
| 6000.00 | 5874.89 | 5874.89 | 5874.89 | 14.80 | 12.18 | 49.90 | 19.22 | -3.11 | 728.85 | 704.05 | 29.40 | |
| 6100.00 | 5974.89 | 5974.89 | 5974.89 | 14.91 | 12.39 | 49.90 | 19.22 | -3.11 | 728.85 | 703.72 | 29.01 | |
| 6200.00 | 6074.89 | 6074.89 | 6074.89 | 15.01 | 12.60 | 49.90 | 19.22 | -3.11 | 728.85 | 703.39 | 28.63 | |
| 6300.00 | 6174.89 | 6174.89 | 6174.89 | 15.12 | 12.81 | 49.90 | 19.22 | -3.11 | 728.85 | 703.05 | 28.26 | |
| 6400.00 | 6274.89 | 6274.89 | 6274.89 | 15.23 | 13.02 | 49.90 | 19.22 | -3.11 | 728.85 | 702.71 | 27.89 | |
| 6500.00 | 6374.89 | 6374.89 | 6374.89 | 15.35 | 13.23 | 49.90 | 19.22 | -3.11 | 728.85 | 702.37 | 27.53 | |
| 6600.00 | 6474.89 | 6474.89 | 6474.89 | 15.46 | 13.44 | 49.90 | 19.22 | -3.11 | 728.85 | 702.03 | 27.18 | |
| 6700.00 | 6574.89 | 6574.89 | 6574.89 | 15.58 | 13.65 | 49.90 | 19.22 | -3.11 | 728.85 | 701.69 | 26.84 | |
| 6800.00 | 6674.89 | 6674.89 | 6674.89 | 15.70 | 13.86 | 49.90 | 19.22 | -3.11 | 728.85 | 701.34 | 26.50 | |
| 6900.00 | 6774.89 | 6774.89 | 6774.89 | 15.82 | 14.07 | 49.90 | 19.22 | -3.11 | 728.85 | 700.99 | 26.17 | |
| 7000.00 | 6874.89 | 6874.89 | 6874.89 | 15.94 | 14.28 | 49.90 | 19.22 | -3.11 | 728.85 | 700.64 | 25.84 | |
| 7100.00 | 6974.89 | 6974.89 | 6974.89 | 16.07 | 14.48 | 49.90 | 19.22 | -3.11 | 728.85 | 700.29 | 25.52 | |
| 7200.00 | 7074.89 | 7074.89 | 7074.89 | 16.20 | 14.69 | 49.90 | 19.22 | -3.11 | 728.85 | 699.94 | 25.21 | |
| 7300.00 | 7174.89 | 7174.89 | 7174.89 | 16.32 | 14.90 | 49.90 | 19.22 | -3.11 | 728.85 | 699.58 | 24.91 | |
| 7400.00 | 7274.89 | 7274.89 | 7274.89 | 16.45 | 15.11 | 49.90 | 19.22 | -3.11 | 728.85 | 699.23 | 24.61 | |
| 7500.00 | 7374.89 | 7374.89 | 7374.89 | 16.59 | 15.32 | 49.90 | 19.22 | -3.11 | 728.85 | 698.87 | 24.31 | |
| 7600.00 | 7474.89 | 7474.89 | 7474.89 | 16.72 | 15.53 | 49.90 | 19.22 | -3.11 | 728.85 | 698.51 | 24.03 | |
| 7700.00 | 7574.89 | 7574.89 | 7574.89 | 16.85 | 15.74 | 49.90 | 19.22 | -3.11 | 728.85 | 698.15 | 23.74 | |
| 7800.00 | 7674.89 | 7674.89 | 7674.89 | 16.99 | 15.95 | 49.90 | 19.22 | -3.11 | 728.85 | 697.79 | 23.47 | |
| 7900.00 | 7774.89 | 7774.89 | 7774.89 | 17.13 | 16.16 | 49.90 | 19.22 | -3.11 | 728.85 | 697.42 | 23.19 | |
| 8000.00 | 7874.89 | 7874.89 | 7874.89 | 17.27 | 16.37 | 49.90 | 19.22 | -3.11 | 728.85 | 697.06 | 22.93 | |
| 8100.00 | 7974.89 | 7974.89 | 7974.89 | 17.41 | 16.58 | 49.90 | 19.22 | -3.11 | 728.85 | 696.69 | 22.67 | |
| 8200.00 | 8074.89 | 8074.89 | 8074.89 | 17.55 | 16.79 | 49.90 | 19.22 | -3.11 | 728.85 | 696.33 | 22.41 | |

Weatherford Anticollision Report

| | | | | | | | |
|---------------------|------------------------------|----------------------------|-------------------------|-------|----------|-------|--------|
| Company: | Anadarko-Kerr-McGee | Date: | 7/28/2008 | Time: | 10:16:31 | Page: | 3 |
| Field: | UINTAH COUNTY, UTAH (NAD 27) | Co-ordinate(NE) Reference: | Well: 11B3S, True North | | | | |
| Reference Site: | NBU 921-11B PAD | Vertical (TVD) Reference: | SITE 4850.0 | | | | |
| Reference Well: | 11B3S | | | | | | |
| Reference Wellpath: | 1 | | | | | Db: | Sybase |

Site: NBU 921-11B PAD
Well: 11B3T
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

| Reference MD ft | TVD ft | Offset | | Semi-Major Axis | | | Offset Location | | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|--------------------|-----------|----------|-----------|-----------------|--------------|---------------|-----------------|------------|---------------------------|------------------------|----------------------|---------|
| | | MD ft | TVD ft | Ref ft | Offset ft | TFO-HS deg | North ft | East ft | | | | |
| 8300.00 | 8174.89 | 8174.89 | 8174.89 | 17.69 | 17.00 | 49.90 | 19.22 | -3.11 | 728.85 | 695.96 | 22.16 | |
| 8400.00 | 8274.89 | 8274.89 | 8274.89 | 17.84 | 17.21 | 49.90 | 19.22 | -3.11 | 728.85 | 695.59 | 21.91 | |
| 8500.00 | 8374.89 | 8374.89 | 8374.89 | 17.98 | 17.42 | 49.90 | 19.22 | -3.11 | 728.85 | 695.22 | 21.67 | |
| 8600.00 | 8474.89 | 8474.89 | 8474.89 | 18.13 | 17.63 | 49.90 | 19.22 | -3.11 | 728.85 | 694.85 | 21.44 | |
| 8700.00 | 8574.89 | 8574.89 | 8574.89 | 18.28 | 17.84 | 49.90 | 19.22 | -3.11 | 728.85 | 694.47 | 21.20 | |
| 8800.00 | 8674.89 | 8674.89 | 8674.89 | 18.43 | 18.05 | 49.90 | 19.22 | -3.11 | 728.85 | 694.10 | 20.98 | |
| 8900.00 | 8774.89 | 8774.89 | 8774.89 | 18.58 | 18.25 | 49.90 | 19.22 | -3.11 | 728.85 | 693.72 | 20.75 | |
| 9000.00 | 8874.89 | 8874.89 | 8874.89 | 18.73 | 18.46 | 49.90 | 19.22 | -3.11 | 728.85 | 693.35 | 20.53 | |
| 9100.00 | 8974.89 | 8974.89 | 8974.89 | 18.88 | 18.67 | 49.90 | 19.22 | -3.11 | 728.85 | 692.97 | 20.32 | |
| 9200.00 | 9074.89 | 9074.89 | 9074.89 | 19.04 | 18.88 | 49.90 | 19.22 | -3.11 | 728.85 | 692.59 | 20.10 | |
| 9300.00 | 9174.89 | 9174.89 | 9174.89 | 19.19 | 19.09 | 49.90 | 19.22 | -3.11 | 728.85 | 692.22 | 19.90 | |

Site: NBU 921-11B PAD
Well: EXISTING N195
Wellpath: 1 V0

Inter-Site Error: 0.00 ft

| Reference MD ft | TVD ft | Offset | | Semi-Major Axis | | | Offset Location | | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|--------------------|-----------|----------|-----------|-----------------|--------------|---------------|-----------------|------------|---------------------------|------------------------|----------------------|---------|
| | | MD ft | TVD ft | Ref ft | Offset ft | TFO-HS deg | North ft | East ft | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 78.26 | 5.77 | 27.76 | 28.35 | | | No Data |
| 100.00 | 100.00 | 99.91 | 99.91 | 0.09 | 0.09 | 78.57 | 5.65 | 27.94 | 28.51 | 28.33 | 166.02 | |
| 200.00 | 200.00 | 199.94 | 199.94 | 0.30 | 0.27 | 80.17 | 4.91 | 28.34 | 28.76 | 28.19 | 51.02 | |
| 300.00 | 300.00 | 299.95 | 299.94 | 0.50 | 0.46 | 83.17 | 3.44 | 28.76 | 28.97 | 28.01 | 30.16 | |
| 400.00 | 400.00 | 399.87 | 399.84 | 0.71 | 0.47 | 85.56 | 2.27 | 29.27 | 29.36 | 28.18 | 24.88 | |
| 500.00 | 500.00 | 499.63 | 499.60 | 0.92 | 0.48 | 87.31 | 1.42 | 30.25 | 30.29 | 28.88 | 21.60 | |
| 600.00 | 600.00 | 600.07 | 600.03 | 1.13 | 0.50 | 89.17 | 0.45 | 30.91 | 30.92 | 29.28 | 18.92 | |
| 700.00 | 700.00 | 700.10 | 700.05 | 1.34 | 0.54 | 91.99 | -1.07 | 30.76 | 30.78 | 28.90 | 16.40 | |
| 800.00 | 800.00 | 800.14 | 800.07 | 1.55 | 0.54 | 95.22 | -2.79 | 30.46 | 30.59 | 28.51 | 14.67 | |
| 900.00 | 900.00 | 900.19 | 900.11 | 1.76 | 0.40 | 97.62 | -4.01 | 30.02 | 30.29 | 28.14 | 14.07 | |
| 1000.00 | 1000.00 | 1000.15 | 1000.07 | 1.97 | 0.29 | 99.61 | -5.01 | 29.57 | 29.99 | 27.73 | 13.28 | |
| 1100.00 | 1100.00 | 1100.47 | 1100.37 | 2.18 | 0.29 | 102.62 | -6.38 | 28.50 | 29.21 | 26.74 | 11.83 | |
| 1200.00 | 1200.00 | 1200.41 | 1200.29 | 2.39 | 0.31 | 105.72 | -7.61 | 27.03 | 28.08 | 25.39 | 10.44 | |
| 1300.00 | 1300.00 | 1300.28 | 1300.15 | 2.60 | 0.32 | 108.77 | -8.78 | 25.84 | 27.29 | 24.38 | 9.37 | |
| 1400.00 | 1400.00 | 1400.06 | 1399.90 | 2.81 | 0.39 | 112.81 | -10.55 | 25.08 | 27.21 | 24.01 | 8.52 | |
| 1500.00 | 1500.00 | 1499.84 | 1499.67 | 3.02 | 0.50 | 117.03 | -12.71 | 24.91 | 27.97 | 24.46 | 7.96 | |
| 1600.00 | 1600.00 | 1599.71 | 1599.50 | 3.23 | 0.70 | 121.89 | -15.54 | 24.97 | 29.42 | 25.50 | 7.52 | |
| 1700.00 | 1700.00 | 1699.75 | 1699.50 | 3.44 | 0.76 | 124.96 | -17.82 | 25.48 | 31.10 | 26.93 | 7.46 | |
| 1800.00 | 1800.00 | 1799.29 | 1799.02 | 3.65 | 0.82 | 126.26 | -19.73 | 26.90 | 33.37 | 28.94 | 7.54 | |
| 1900.00 | 1900.00 | 1898.93 | 1898.60 | 3.86 | 0.95 | 126.14 | -21.66 | 29.66 | 36.75 | 31.99 | 7.72 | |
| 2000.00 | 2000.00 | 2000.25 | 1999.88 | 4.07 | 0.91 | 123.83 | -21.61 | 32.25 | 38.82 | 33.90 | 7.89 | |
| 2100.00 | 2100.00 | 2101.17 | 2100.79 | 4.27 | 0.74 | 121.73 | -19.95 | 32.26 | 37.94 | 32.98 | 7.65 | |
| 2200.00 | 2200.00 | 2201.16 | 2200.75 | 4.48 | 0.66 | 120.72 | -18.32 | 30.82 | 35.86 | 30.77 | 7.04 | |
| 2300.00 | 2300.00 | 2301.02 | 2300.59 | 4.69 | 0.72 | 121.31 | -17.63 | 28.99 | 33.93 | 28.55 | 6.30 | |
| 2400.00 | 2400.00 | 2400.46 | 2400.02 | 4.90 | 0.86 | 123.55 | -18.26 | 27.54 | 33.04 | 27.30 | 5.76 | |
| 2500.00 | 2500.00 | 2500.33 | 2499.88 | 5.11 | 0.96 | 125.37 | -19.22 | 27.08 | 33.20 | 27.16 | 5.50 | |
| 2600.00 | 2600.00 | 2600.25 | 2599.79 | 5.32 | 1.05 | 126.58 | -20.08 | 27.06 | 33.70 | 27.36 | 5.31 | |
| 2700.00 | 2700.00 | 2700.26 | 2699.79 | 5.53 | 1.14 | 128.87 | -21.52 | 26.70 | 34.30 | 27.66 | 5.17 | |
| 2800.00 | 2800.00 | 2800.43 | 2799.95 | 5.74 | 1.11 | 131.31 | -22.90 | 26.06 | 34.69 | 27.88 | 5.09 | |
| 2860.00 | 2860.00 | 2860.38 | 2859.89 | 5.87 | 1.11 | 132.41 | -23.49 | 25.72 | 34.83 | 27.90 | 5.02 | |
| 2900.00 | 2900.00 | 2900.34 | 2899.85 | 5.95 | 1.11 | 261.51 | -24.04 | 25.41 | 35.04 | 28.02 | 4.99 | |
| 3000.00 | 2999.87 | 3000.04 | 2999.52 | 6.16 | 1.25 | 257.44 | -26.05 | 24.60 | 36.60 | 29.23 | 4.96 | |
| 3100.00 | 3099.37 | 3099.73 | 3099.19 | 6.38 | 1.28 | 247.05 | -28.44 | 23.86 | 40.36 | 32.72 | 5.28 | |
| 3200.00 | 3198.21 | 3198.85 | 3198.28 | 6.60 | 1.32 | 233.26 | -30.60 | 23.18 | 48.15 | 40.26 | 6.10 | |

Weatherford Anticollision Report

| | | | | | | | | |
|----------------------------|------------------------------|-----------------------------------|-------------------------|--------------|----------|--------------|------------|--------|
| Company: | Anadarko-Kerr-McGee | Date: | 7/28/2008 | Time: | 10:16:31 | Page: | 4 | |
| Field: | UINTAH COUNTY, UTAH (NAD 27) | Co-ordinate(NE) Reference: | Well: 11B3S, True North | | | | | |
| Reference Site: | NBU 921-11B PAD | Vertical (TVD) Reference: | SITE 4850.0 | | | | | |
| Reference Well: | 11B3S | | | | | | Db: | Sybase |
| Reference Wellpath: | 1 | | | | | | | |

Site: NBU 921-11B PAD
Well: EXISTING N195
Wellpath: 1 V0

Inter-Site Error: 0.00 ft

| Reference | | Offset | | Semi-Major Axis | | | Offset Location | | Ctr-Ctr | Edge | Separation | Warning |
|-----------|-----------|----------|-----------|-----------------|--------------|---------------|-----------------|------------|----------------|----------------|------------|---------|
| MD ft | TVD ft | MD ft | TVD ft | Ref ft | Offset ft | TFO-HS deg | North ft | East ft | Distance ft | Distance ft | Factor | |
| 3300.00 | 3296.12 | 3296.92 | 3296.33 | 6.85 | 1.35 | 220.48 | -32.66 | 22.66 | 62.02 | 53.92 | 7.66 | |
| 3400.00 | 3392.83 | 3393.79 | 3393.18 | 7.14 | 1.39 | 210.87 | -34.75 | 22.44 | 82.56 | 74.28 | 9.98 | |
| 3500.00 | 3488.09 | 3489.28 | 3488.64 | 7.47 | 1.54 | 204.18 | -36.83 | 22.45 | 109.39 | 100.83 | 12.79 | |
| 3600.00 | 3581.62 | 3583.04 | 3582.38 | 7.88 | 1.70 | 199.55 | -38.86 | 22.60 | 142.01 | 133.17 | 16.08 | |
| 3685.37 | 3659.92 | 3661.98 | 3661.30 | 8.28 | 1.73 | 196.67 | -40.52 | 22.73 | 174.08 | 165.12 | 19.43 | |
| 3700.00 | 3673.20 | 3675.41 | 3674.73 | 8.36 | 1.73 | 196.19 | -40.79 | 22.73 | 179.89 | 170.90 | 20.00 | |
| 3800.00 | 3764.01 | 3767.28 | 3766.58 | 8.90 | 1.73 | 193.55 | -42.48 | 22.50 | 219.69 | 210.44 | 23.77 | |
| 3900.00 | 3854.81 | 3859.46 | 3858.75 | 9.48 | 1.72 | 191.68 | -44.17 | 21.99 | 259.51 | 250.02 | 27.34 | |
| 4000.00 | 3945.62 | 3952.07 | 3951.32 | 10.09 | 1.71 | 190.44 | -46.58 | 21.50 | 299.19 | 289.44 | 30.70 | |
| 4100.00 | 4036.43 | 4044.67 | 4043.86 | 10.74 | 1.76 | 189.61 | -49.70 | 21.06 | 338.64 | 328.56 | 33.62 | |
| 4200.00 | 4127.23 | 4137.04 | 4136.17 | 11.41 | 1.89 | 188.98 | -53.07 | 20.58 | 377.98 | 367.49 | 36.05 | |
| 4300.00 | 4218.04 | 4229.17 | 4228.24 | 12.09 | 1.98 | 188.49 | -56.58 | 20.07 | 417.23 | 406.35 | 38.38 | |
| 4354.06 | 4267.13 | 4278.57 | 4277.60 | 12.47 | 2.00 | 188.27 | -58.43 | 19.79 | 438.47 | 427.42 | 39.70 | |
| 4400.00 | 4309.00 | 4320.67 | 4319.67 | 12.70 | 2.01 | 188.04 | -59.98 | 19.56 | 456.22 | 445.08 | 40.95 | |
| 4500.00 | 4401.15 | 4413.27 | 4412.22 | 12.98 | 2.04 | 187.62 | -63.25 | 19.08 | 492.61 | 481.45 | 44.14 | |
| 4600.00 | 4494.60 | 4507.70 | 4506.57 | 13.26 | 2.12 | 187.38 | -67.01 | 18.90 | 525.79 | 514.58 | 46.87 | |
| 4700.00 | 4589.24 | 4603.16 | 4601.91 | 13.52 | 2.19 | 187.31 | -71.60 | 19.18 | 555.68 | 544.42 | 49.34 | |
| 4800.00 | 4684.95 | 4697.00 | 4695.62 | 13.76 | 2.39 | 187.36 | -76.54 | 19.96 | 582.45 | 571.03 | 50.98 | |
| 4900.00 | 4781.60 | 4791.46 | 4789.94 | 13.98 | 2.58 | 187.48 | -81.58 | 21.29 | 606.31 | 594.74 | 52.38 | |
| 5000.00 | 4879.10 | 4886.59 | 4884.94 | 14.16 | 2.65 | 187.63 | -86.37 | 22.93 | 627.23 | 615.65 | 54.15 | |
| 5100.00 | 4977.31 | 4982.25 | 4980.50 | 14.31 | 2.72 | 187.75 | -90.35 | 24.54 | 645.17 | 633.61 | 55.78 | |
| 5200.00 | 5076.11 | 5077.89 | 5076.06 | 14.42 | 2.79 | 187.88 | -93.85 | 26.37 | 660.16 | 648.61 | 57.16 | |
| 5300.00 | 5175.40 | 5173.72 | 5171.77 | 14.48 | 2.86 | 188.10 | -97.60 | 28.91 | 672.23 | 660.72 | 58.43 | |
| 5400.00 | 5275.03 | 5271.63 | 5269.55 | 14.50 | 3.03 | 188.41 | -101.64 | 32.10 | 681.29 | 669.74 | 58.97 | |
| 5500.00 | 5374.91 | 5370.44 | 5368.21 | 14.47 | 3.24 | 188.78 | -105.83 | 35.56 | 687.08 | 675.46 | 59.11 | |
| 5592.11 | 5467.00 | 5462.39 | 5460.03 | 14.41 | 3.34 | 60.39 | -109.65 | 38.81 | 689.48 | 672.95 | 41.71 | |
| 5600.00 | 5474.89 | 5470.31 | 5467.94 | 14.41 | 3.34 | 60.43 | -109.95 | 39.08 | 689.56 | 673.02 | 41.69 | |
| 5700.00 | 5574.89 | 5490.00 | 5487.60 | 14.50 | 3.35 | 60.51 | -110.67 | 39.71 | 695.22 | 678.56 | 41.72 | |
| 5800.00 | 5674.89 | 5490.00 | 5487.60 | 14.60 | 3.35 | 60.51 | -110.67 | 39.71 | 714.69 | 697.93 | 42.62 | |
| 5900.00 | 5774.89 | 5490.00 | 5487.60 | 14.70 | 3.35 | 60.51 | -110.67 | 39.71 | 747.16 | 730.28 | 44.28 | |
| 6000.00 | 5874.89 | 5490.00 | 5487.60 | 14.80 | 3.35 | 60.51 | -110.67 | 39.71 | 791.01 | 774.03 | 46.58 | |
| 6100.00 | 5974.89 | 5490.00 | 5487.60 | 14.91 | 3.35 | 60.51 | -110.67 | 39.71 | 844.49 | 827.40 | 49.42 | |
| 6200.00 | 6074.89 | 5490.00 | 5487.60 | 15.01 | 3.35 | 60.51 | -110.67 | 39.71 | 905.88 | 888.68 | 52.67 | |
| 6300.00 | 6174.89 | 5490.00 | 5487.60 | 15.12 | 3.35 | 60.51 | -110.67 | 39.71 | 973.69 | 956.38 | 56.24 | |
| 6400.00 | 6274.89 | 5490.00 | 5487.60 | 15.23 | 3.35 | 60.51 | -110.67 | 39.71 | 1046.68 | 1029.25 | 60.06 | |
| 6500.00 | 6374.89 | 5490.00 | 5487.60 | 15.35 | 3.35 | 60.51 | -110.67 | 39.71 | 1123.83 | 1106.28 | 64.05 | |
| 6600.00 | 6474.89 | 5490.00 | 5487.60 | 15.46 | 3.35 | 60.51 | -110.67 | 39.71 | 1204.35 | 1186.68 | 68.18 | |
| 6700.00 | 6574.89 | 5490.00 | 5487.60 | 15.58 | 3.35 | 60.51 | -110.67 | 39.71 | 1287.60 | 1269.81 | 72.38 | |
| 6800.00 | 6674.89 | 5490.00 | 5487.60 | 15.70 | 3.35 | 60.51 | -110.67 | 39.71 | 1373.09 | 1355.17 | 76.65 | |
| 6900.00 | 6774.89 | 5490.00 | 5487.60 | 15.82 | 3.35 | 60.51 | -110.67 | 39.71 | 1460.42 | 1442.38 | 80.95 | |
| 7000.00 | 6874.89 | 5490.00 | 5487.60 | 15.94 | 3.35 | 60.51 | -110.67 | 39.71 | 1549.28 | 1531.11 | 85.26 | |
| 7100.00 | 6974.89 | 5490.00 | 5487.60 | 16.07 | 3.35 | 60.51 | -110.67 | 39.71 | 1639.43 | 1621.13 | 89.57 | |
| 7200.00 | 7074.89 | 5490.00 | 5487.60 | 16.20 | 3.35 | 60.51 | -110.67 | 39.71 | 1730.66 | 1712.23 | 93.86 | |
| 7300.00 | 7174.89 | 5490.00 | 5487.60 | 16.32 | 3.35 | 60.51 | -110.67 | 39.71 | 1822.81 | 1804.24 | 98.14 | |
| 7400.00 | 7274.89 | 5490.00 | 5487.60 | 16.45 | 3.35 | 60.51 | -110.67 | 39.71 | 1915.75 | 1897.04 | 102.38 | |
| 7500.00 | 7374.89 | 5490.00 | 5487.60 | 16.59 | 3.35 | 60.51 | -110.67 | 39.71 | 2009.37 | 1990.52 | 106.58 | |
| 7600.00 | 7474.89 | 5490.00 | 5487.60 | 16.72 | 3.35 | 60.51 | -110.67 | 39.71 | 2103.57 | 2084.58 | 110.75 | |
| 7700.00 | 7574.89 | 5490.00 | 5487.60 | 16.85 | 3.35 | 60.51 | -110.67 | 39.71 | 2198.29 | 2179.15 | 114.87 | |
| 7800.00 | 7674.89 | 5490.00 | 5487.60 | 16.99 | 3.35 | 60.51 | -110.67 | 39.71 | 2293.46 | 2274.17 | 118.94 | |
| 7900.00 | 7774.89 | 5490.00 | 5487.60 | 17.13 | 3.35 | 60.51 | -110.67 | 39.71 | 2389.02 | 2369.59 | 122.97 | |
| 8000.00 | 7874.89 | 5490.00 | 5487.60 | 17.27 | 3.35 | 60.51 | -110.67 | 39.71 | 2484.93 | 2465.35 | 126.94 | |

Weatherford Anticollision Report

| | | | | | | | | |
|----------------------------|------------------------------|-----------------------------------|-------------------------|--------------|----------|--------------|------------|--------|
| Company: | Anadarko-Kerr-McGee | Date: | 7/28/2008 | Time: | 10:16:31 | Page: | 5 | |
| Field: | UINTAH COUNTY, UTAH (NAD 27) | Co-ordinate(NE) Reference: | Well: 11B3S, True North | | | | | |
| Reference Site: | NBU 921-11B PAD | Vertical (TVD) Reference: | SITE 4850.0 | | | | | |
| Reference Well: | 11B3S | | | | | | Db: | Sybase |
| Reference Wellpath: | 1 | | | | | | | |

Site: NBU 921-11B PAD
 Well: EXISTING N195
 Wellpath: 1 V0

Inter-Site Error: 0.00 ft

| Reference | | Offset | | Semi-Major Axis | | | Offset Location | | Ctr-Ctr | Edge | Separation | Warning |
|-----------|---------|---------|---------|-----------------|--------|--------|-----------------|-------|----------|----------|------------|---------|
| MD | TVD | MD | TVD | Ref | Offset | TFO-HS | North | East | Distance | Distance | Factor | |
| ft | ft | ft | ft | ft | ft | deg | ft | ft | ft | ft | | |
| 8100.00 | 7974.89 | 5490.00 | 5487.60 | 17.41 | 3.35 | 60.51 | -110.67 | 39.71 | 2581.15 | 2561.42 | 130.86 | |
| 8200.00 | 8074.89 | 5490.00 | 5487.60 | 17.55 | 3.35 | 60.51 | -110.67 | 39.71 | 2677.64 | 2657.77 | 134.72 | |
| 8300.00 | 8174.89 | 5490.00 | 5487.60 | 17.69 | 3.35 | 60.51 | -110.67 | 39.71 | 2774.39 | 2754.36 | 138.53 | |
| 8400.00 | 8274.89 | 5490.00 | 5487.60 | 17.84 | 3.35 | 60.51 | -110.67 | 39.71 | 2871.36 | 2851.18 | 142.28 | |
| 8500.00 | 8374.89 | 5490.00 | 5487.60 | 17.98 | 3.35 | 60.51 | -110.67 | 39.71 | 2968.53 | 2948.19 | 145.98 | |
| 8600.00 | 8474.89 | 5490.00 | 5487.60 | 18.13 | 3.35 | 60.51 | -110.67 | 39.71 | 3065.88 | 3045.39 | 149.62 | |
| 8700.00 | 8574.89 | 5490.00 | 5487.60 | 18.28 | 3.35 | 60.51 | -110.67 | 39.71 | 3163.39 | 3142.75 | 153.21 | |
| 8800.00 | 8674.89 | 5490.00 | 5487.60 | 18.43 | 3.35 | 60.51 | -110.67 | 39.71 | 3261.06 | 3240.26 | 156.74 | |
| 8900.00 | 8774.89 | 5490.00 | 5487.60 | 18.58 | 3.35 | 60.51 | -110.67 | 39.71 | 3358.87 | 3337.90 | 160.22 | |
| 9000.00 | 8874.89 | 5490.00 | 5487.60 | 18.73 | 3.35 | 60.51 | -110.67 | 39.71 | 3456.80 | 3435.67 | 163.64 | |
| 9100.00 | 8974.89 | 5490.00 | 5487.60 | 18.88 | 3.35 | 60.51 | -110.67 | 39.71 | 3554.84 | 3533.56 | 167.01 | |
| 9200.00 | 9074.89 | 5490.00 | 5487.60 | 19.04 | 3.35 | 60.51 | -110.67 | 39.71 | 3652.99 | 3631.54 | 170.32 | |
| 9300.00 | 9174.89 | 5490.00 | 5487.60 | 19.19 | 3.35 | 60.51 | -110.67 | 39.71 | 3751.24 | 3729.63 | 173.58 | |

Kerr-McGee Oil & Gas Onshore LP

NBU #921-11B3S, #921-11B3T, #921-11C3S & #921-11C2S
SECTION 11, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 5.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 190' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 190' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.4 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-11B3S, #921-11B3T, #921-11C3S & #921-11C2S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 11, T9S, R21E, S.L.B.&M.

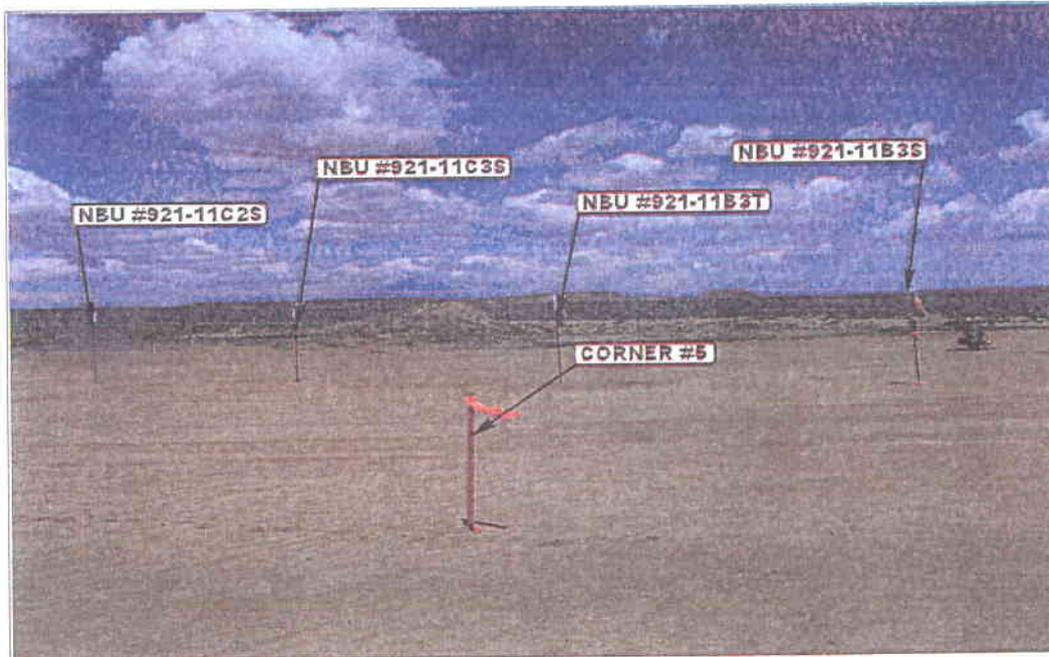


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



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

| | | | | | | |
|------------------------|--|----------------|-----------|-------------------|-----------|-------|
| LOCATION PHOTOS | | | 06 | 27 | 08 | PHOTO |
| | | | MONTH | DAY | YEAR | |
| TAKEN BY: L.K. & T.A. | | DRAWN BY: J.J. | | REVISED: 00-00-00 | | |

Kerr-McGee Oil & Gas Onshore LP
NBU #921-11B3S, #921-11B3T, #921-11C3S & #921-11C2S
 LOCATED IN UTAH COUNTY, UTAH
 SECTION 11, T9S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



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

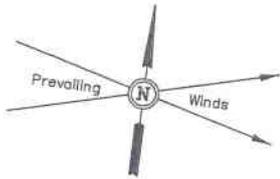
| | | | | | | |
|-----------------------|----------------|-------------------|-----------|-----------|-----------|--------------|
| LOCATION PHOTO | | | 06 | 27 | 08 | PHOTO |
| | | | MONTH | DAY | YEAR | |
| TAKEN BY: T.A. | DRAWN BY: J.J. | REVISED: 00-00-00 | | | | |

Kerr-McGee Oil & Gas Onshore LP

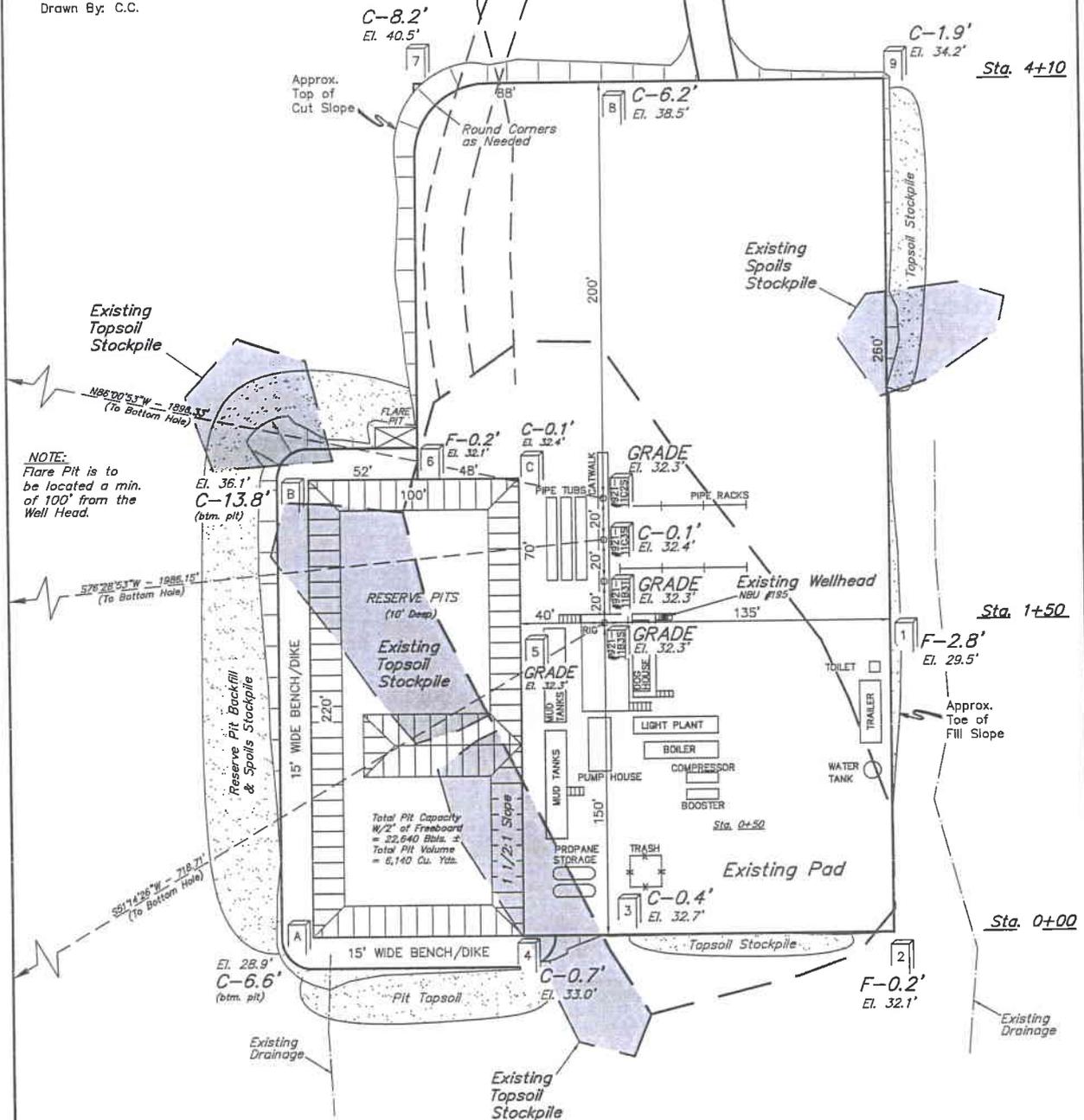
FIGURE #1

SITE PLAN LAYOUT FOR

NBU #921-11B3S, #921-11B3T,
#921-11C3S & #921-11C2S
SECTION 11, T9S, R21E, S.L.B.&M.
NW 1/4 NE 1/4



SCALE: 1" = 50'
DATE: 06-06-08
Drawn By: C.C.



NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Total Pit Capacity
W/2' of Freeboard
= 22,640 Bbls. ±
Total Pit Volume
= 5,140 Cu. Yds.

NOTES:

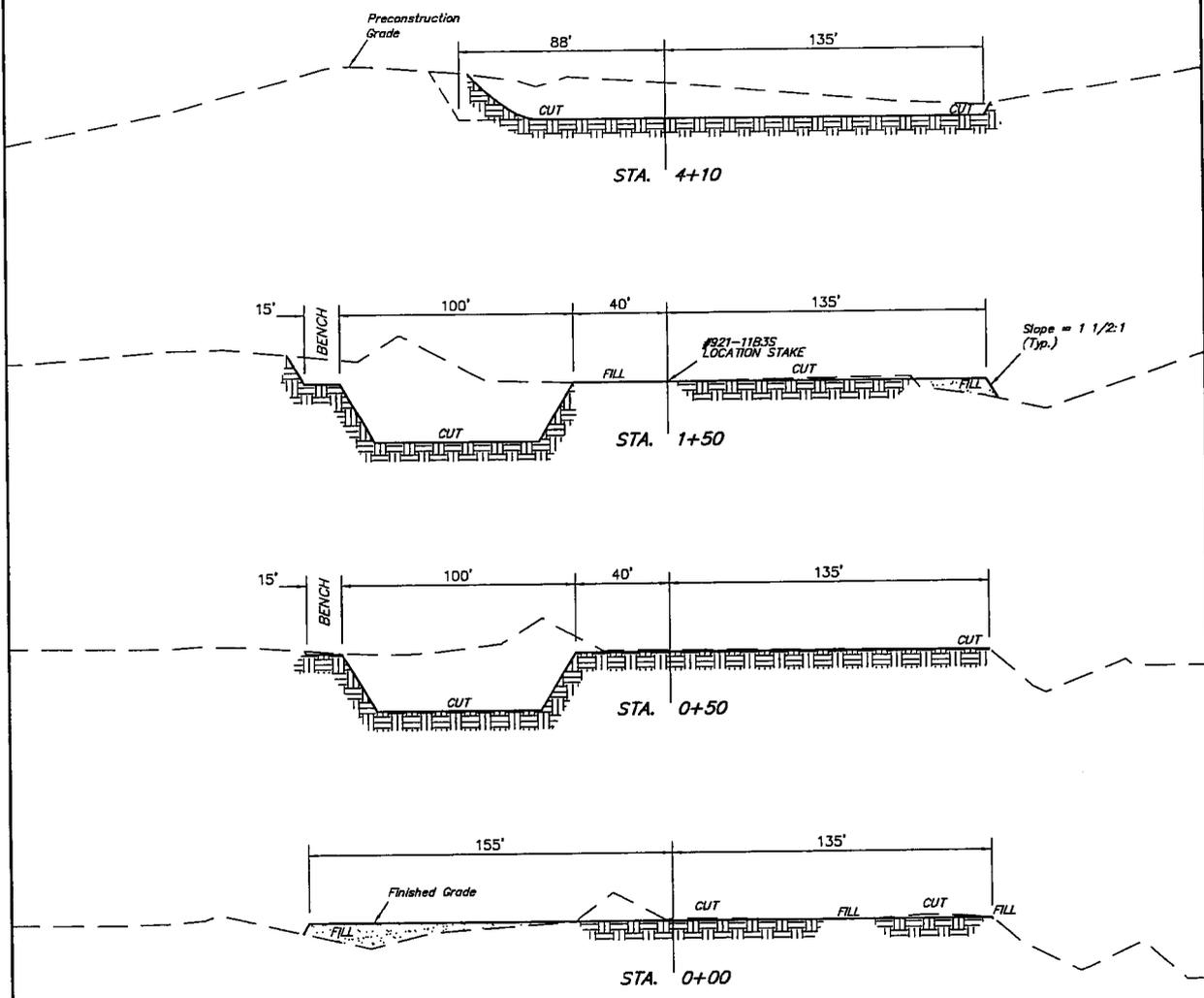
Elev. Ungraded Ground At #921-11B3S Loc. Stake = 4832.3'
FINISHED GRADE ELEV. AT #921-11B3S LOC. STAKE = 4832.3'

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

1" = 20'
X-Section
Scale
1" = 50'
DATE: 06-06-08
Drawn By: C.C.

TYPICAL CROSS SECTIONS FOR
NBU #921-11B3S, #921-11B3T,
#921-11C3S & #921-11C2S
SECTION 11, T9S, R21E, S.L.B.&M.
NW 1/4 NE 1/4



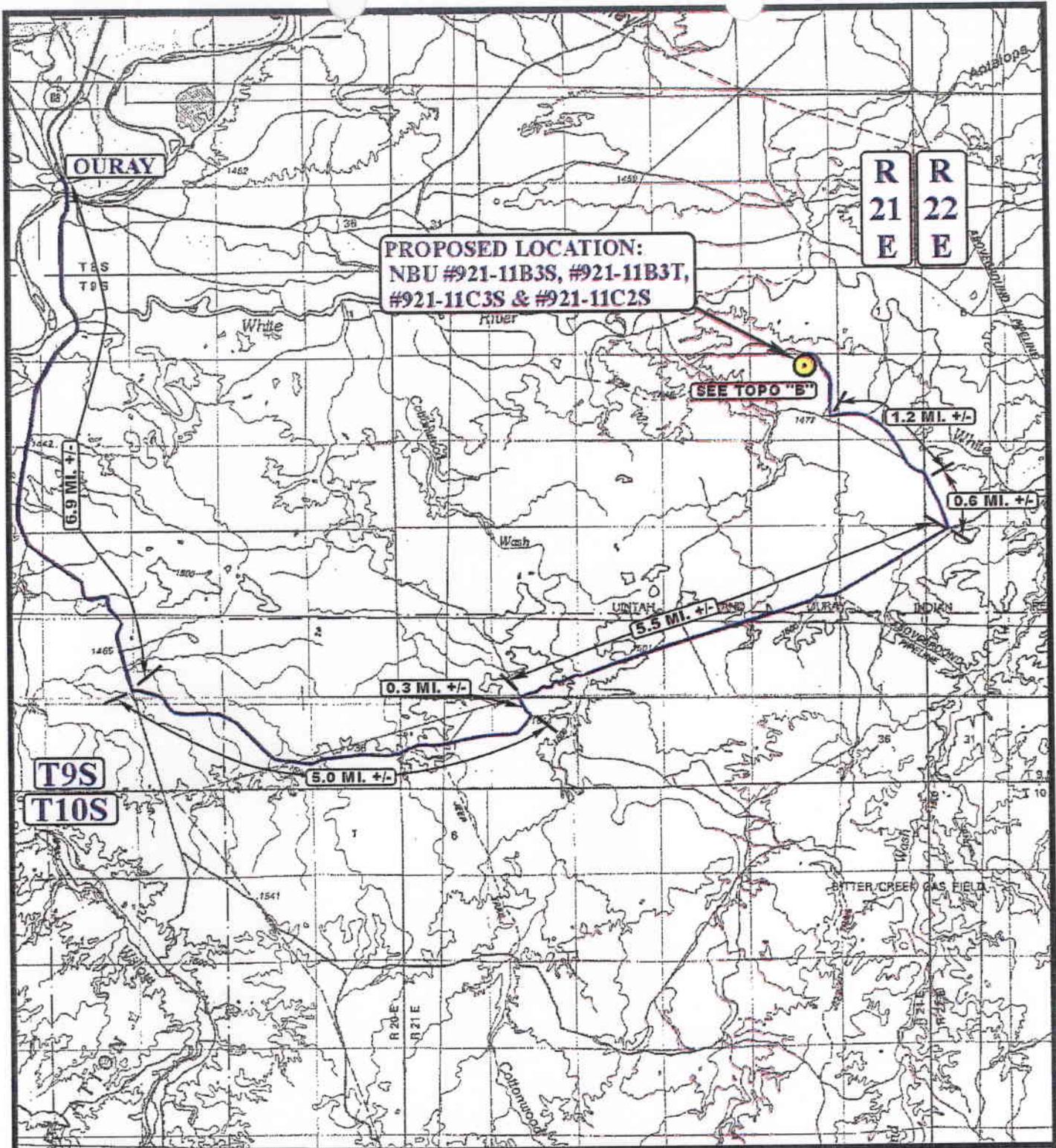
NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

| | |
|-------------------------|-------------------------|
| CUT | |
| (12") Topsoil Stripping | = 2,490 Cu. Yds. |
| (New Construction Only) | |
| Remaining Location | = 11,270 Cu. Yds. |
| TOTAL CUT | = 13,760 CU.YDS. |
| FILL | = 1,180 CU.YDS. |

| | |
|--------------------------------|--------------------------|
| EXCESS MATERIAL | = 12,580 Cu. Yds. |
| Topsoil & Pit Backfill | = 5,560 Cu. Yds. |
| (1/2 Pit Vol.) | |
| EXCESS UNBALANCE | = 7,020 Cu. Yds. |
| (After Interim Rehabilitation) | |



PROPOSED LOCATION:
 NBU #921-11B3S, #921-11B3T,
 #921-11C3S & #921-11C2S

R 21 E
R 22 E

SEE TOPO "B"

1.2 MI. +/-

0.6 MI. +/-

5.5 MI. +/-

0.3 MI. +/-

5.0 MI. +/-

T9S
T10S

LEGEND:

PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #921-11B3S, #921-11B3T, #921-11C3S & #921-11C2S
 SECTION 11, T9S, R21E, S.L.B.&M.
 NW 1/4 NE 1/4



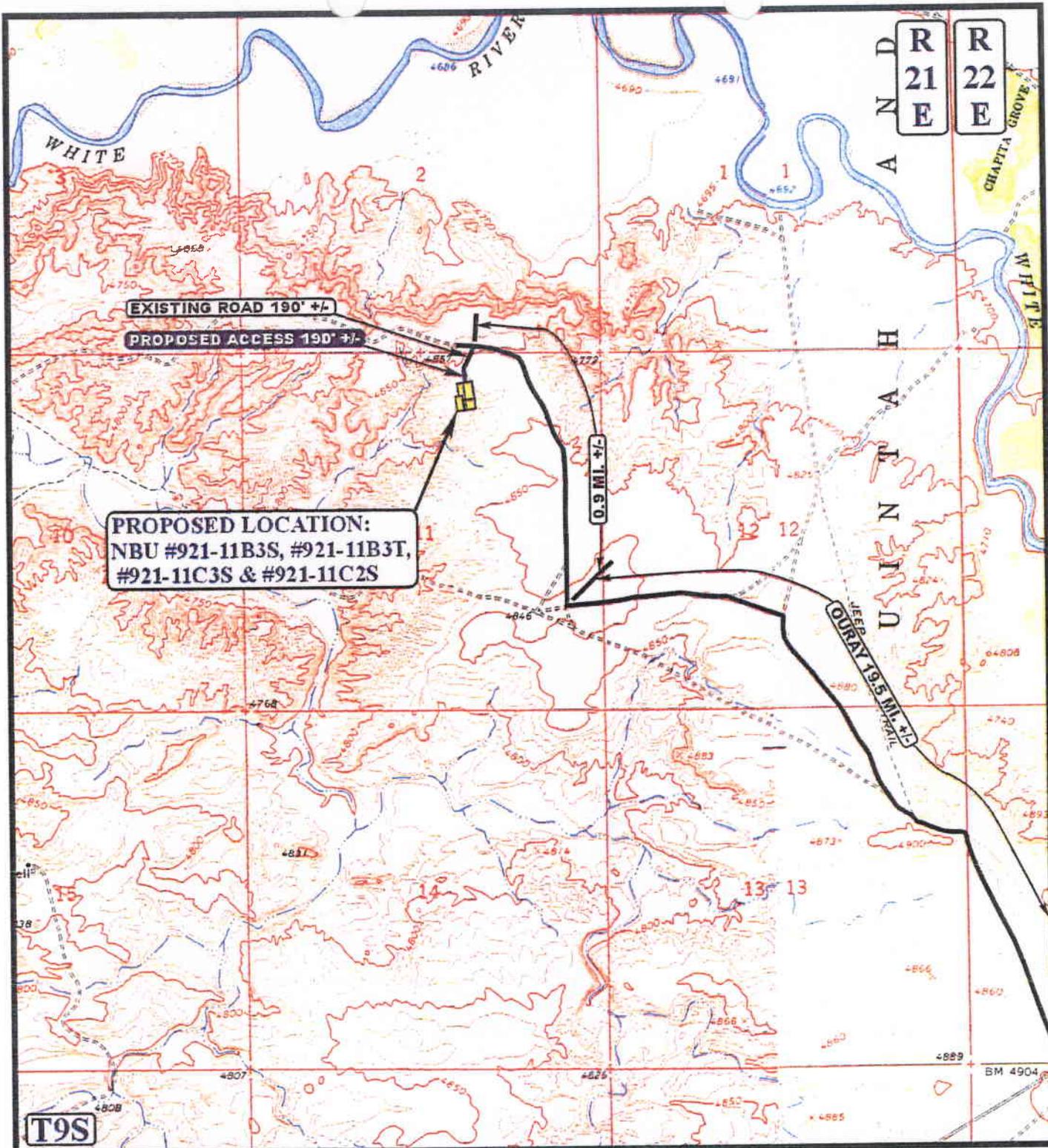
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 27 08
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.J. REVISED: 00-00-00

A
TOPO



EXISTING ROAD 190' +/-

PROPOSED ACCESS 190' +/-

PROPOSED LOCATION:
 NBU #921-11B3S, #921-11B3T,
 #921-11C3S & #921-11C2S

0.9 MI. +/-

KERR-MCGEE OIL & GAS ONSHORE LP

T9S

LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #921-11B3S, #921-11B3T, #921-11C3S & #921-11C2S
 SECTION 11, T9S, R21E, S.L.B.&M.
 NW 1/4 NE 1/4



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

TOPOGRAPHIC MAP 06 27 08
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

B
 TOPO

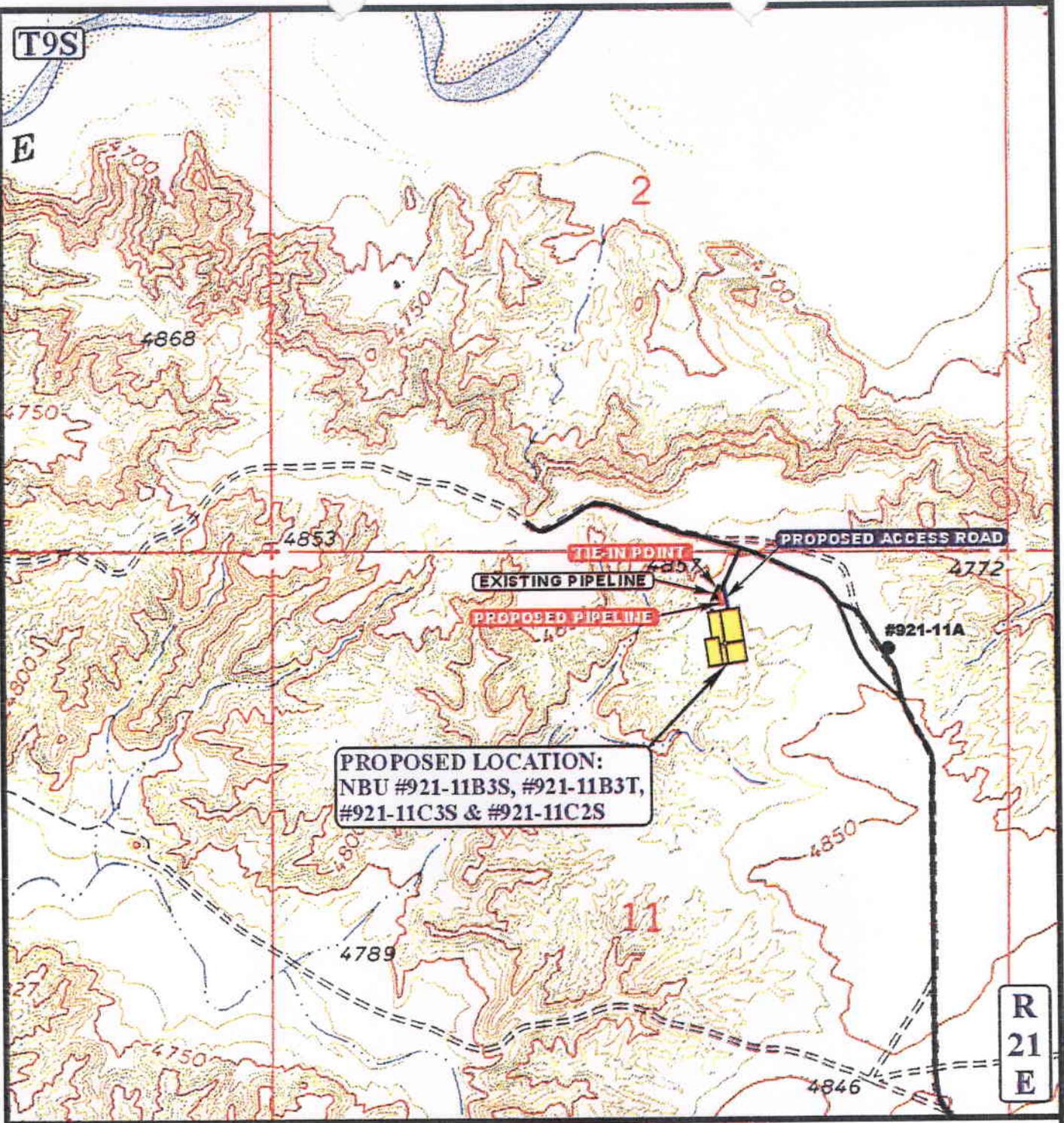
T9S

E

2

11

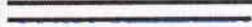
R
21
E



PROPOSED LOCATION:
 NBU #921-11B3S, #921-11B3T,
 #921-11C3S & #921-11C2S

APPROXIMATE TOTAL PIPELINE DISTANCE = 170' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

Kerr-McGee Oil & Gas Onshore LP

NBU #195A, #921-11B3S, #921-11B3T, #921-11C3S & #921-11C2S
 SECTION 11, T9S, R21E, S.L.B.&M.
 NW 1/4 NE 1/4



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

**TOPOGRAPHIC
 MAP**

06 27 08
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.J. REVISED: 00-00-00

**D
 TOPO**

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/04/2008

API NO. ASSIGNED: 43-047-40299

WELL NAME: NBU 921-11B3S
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: KEVIN MCINTYRE

PHONE NUMBER: 720-929-6226

PROPOSED LOCATION:

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

NWNE 11 090S 210E
 SURFACE: 0706 FNL 2028 FEL
 BOTTOM: 1158 FNL 2589 FEL
 COUNTY: UINTAH
 LATITUDE: 40.05592 LONGITUDE: -109.5162
 UTM SURF EASTINGS: 626563 NORTHINGS: 4434808
 FIELD NAME: UNDESIGNATED (2)

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-0141317
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- 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: 17314
Eff Date: 12-2-1999
Siting: 460' fr. Underg. E. undercomm Tract
- R649-3-11. Directional Drill

COMMENTS:

See Separate File

STIPULATIONS:

*1- Federal Approval
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)

August 5, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 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 2008 within the Natural Buttes Unit, Uintah County, Utah.

| API # | WELL NAME | LOCATION |
|---------------------------------|--|----------|
| (Proposed PZ Wasatch/MesaVerde) | | |
| 43-047-40298 | NBU 921-11D4S Sec 11 T09S R21E 0667 FNL 2033 FEL BHL Sec 11 T09S R21E 1137 FNL 1317 FWL | |
| 43-047-40299 | NBU 921-11B3S Sec 11 T09S R21E 0706 FNL 2028 FEL BHL Sec 11 T09S R21E 1158 FNL 2589 FEL | |
| 43-047-40301 | NBU 921-11C2S Sec 11 T09S R21E 0647 FNL 2036 FEL BHL Sec 11 T09S R21E 0521 FNL 1354 FWL | |
| 43-047-40302 | NBU 921-11BT Sec 11 T09S R21E 0687 FNL 2030 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



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

August 5, 2008

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

Re: NBU 921-11B3S Well, Surface Location 706' FNL, 2028' FEL, NW NE, Sec. 11, T. 9 South, R. 21 East, Bottom Location 1158' FNL, 2589' FEL, NW NE, Sec. 11, T. 9 South, R. 21 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 43-047-40299.

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 921-11B3S

API Number: 43-047-40299

Lease: UTU-0141317

Surface Location: NW NE **Sec.** 11 **T.** 9 South **R.** 21 East

Bottom Location: NW NE **Sec.** 11 **T.** 9 South **R.** 21 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 with 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 Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. 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

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Kerr-McGee Oil & Gas Onshore, LP

3a. Address
P.O. Box 173779, Denver, CO 80217-3779

3b. Phone No. (include area code)
720.929.6226

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW NE Sec. 11 T 9S R 21E
706 FNL 2028 FEL

5. Lease Serial No.
UTU-0141317

6. If Indian, Allottee, or Tribe Name
Ute Tribe

7. If Unit or CA. Agreement Name and/or No.
891008900A

8. Well Name and No.
NBU 921-11B3S

9. API Well No.
43-047-40299

10. Field and Pool, or Exploratory Area
Natural Buttes

11. County or Parish, State
Uintah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|--|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/ Resume) | <input type="checkbox"/> Water Shut-off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| | <input checked="" type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and abandon | <input type="checkbox"/> Temporarily Abandon | _____ |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug back | <input type="checkbox"/> Water Disposal | _____ |

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore, LP, respectfully submits the following revised TOPO D for NBU 921-11B3S, per the conditions of the tribal onsite.

RECEIVED
OCT 06 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)

Kevin McIntyre

Title

Regulatory Analyst

Signature



Date

10/1/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

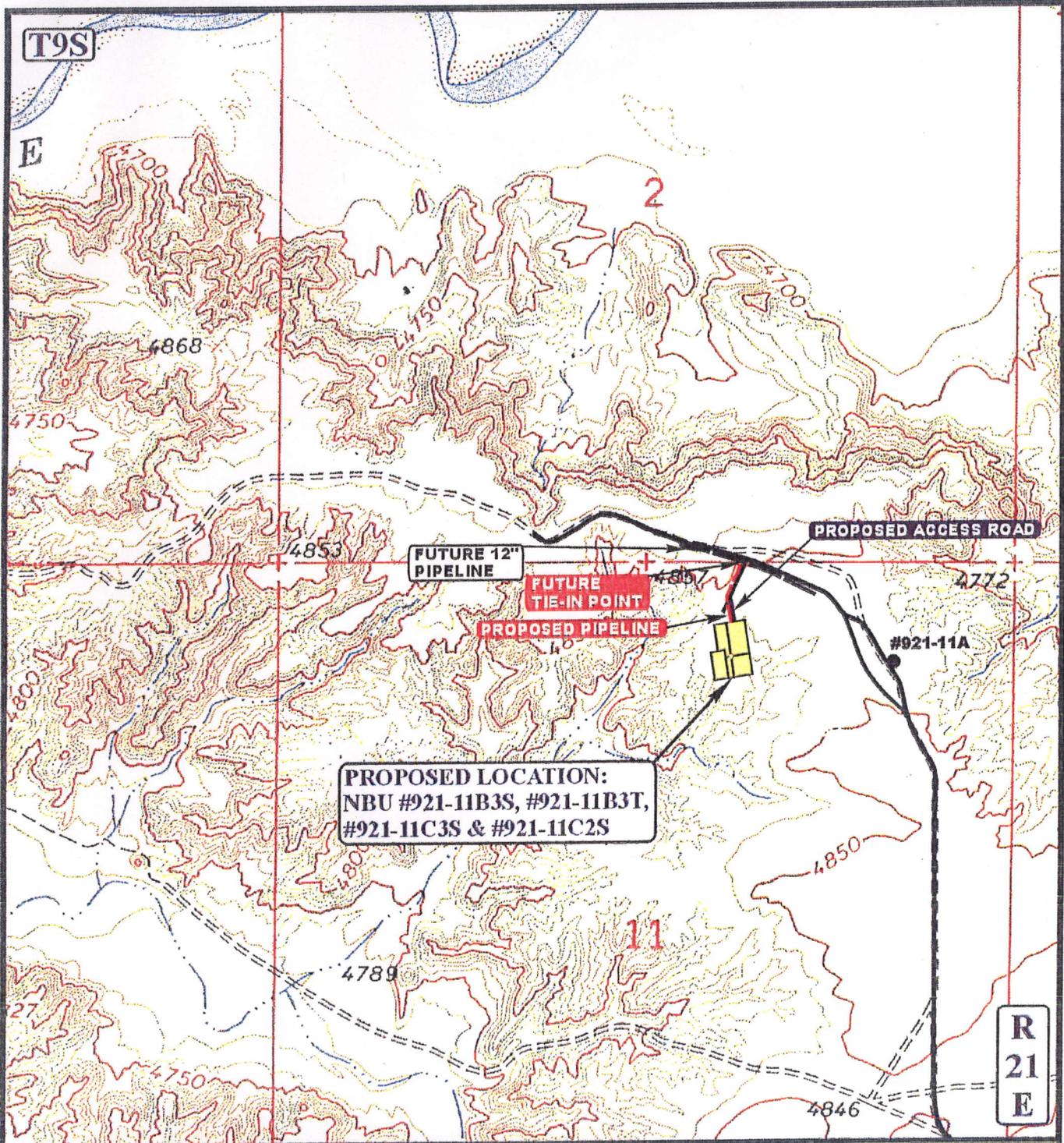
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



APPROXIMATE TOTAL PIPELINE DISTANCE = 486' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

Kerr-McGee Oil & Gas Onshore LP

NBU #921-11B3S, #921-11B3T, #921-11C3S & #921-11C2S
SECTION 11, T9S, R21E, S.L.B.&M.
NW 1/4 NE 1/4



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

TOPOGRAPHIC MAP 06 27 08
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.J. REVISED: 09-17-08

D
TOPO

RECEIVED

OCT 06 2008

DIV. OF OIL, GAS & MINING

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0141317 |
| 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 921-11B3S |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047402990000 |
| 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: 0706 FNL 2028 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 11 Township: 09.0S Range: 21.0E 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: 7/31/2009 | <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 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 checked="" 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.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 29, 2009

By:

| | | |
|--|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Danielle Piernot | PHONE NUMBER 720 929-6156 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 7/27/2009 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047402990000

API: 43047402990000

Well Name: NBU 921-11B3S

Location: 0706 FNL 2028 FEL QTR NWNE SEC 11 TWP 090S RNG 210E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 8/5/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

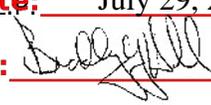
**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Danielle Piernot

Date: 7/27/2009

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: July 29, 2009

By: 

RECEIVED July 27, 2009

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0141317 |
| 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 921-11B3S |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047402990000 |
| 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: 0706 FNL 2028 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 11 Township: 09.0S Range: 21.0E 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: 8/9/2010 <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 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 checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> |

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

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

Date: August 09, 2010
By:

| | | |
|--|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Danielle Piernot | PHONE NUMBER 720 929-6156 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 8/9/2010 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047402990000

API: 43047402990000

Well Name: NBU 921-11B3S

Location: 0706 FNL 2028 FEL QTR NWNE SEC 11 TWP 090S RNG 210E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 8/5/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

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

Signature: Danielle Piernot

Date: 8/9/2010

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: August 09, 2010

By: 

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
|---|--|---|
| | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0141317 |
| SUNDRY NOTICES AND REPORTS ON WELLS | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| 1. TYPE OF WELL Gas Well | | 8. WELL NAME and NUMBER: NBU 921-11B3S |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 9. API NUMBER: 43047402990000 |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6515 Ext | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0706 FNL 2028 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 11 Township: 09.0S Range: 21.0E Meridian: S | | COUNTY: UINTAH |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/11/2011 <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 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 checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. | | |
| Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you. | | |
| | | Approved by the Utah Division of Oil, Gas and Mining |
| | | Date: <u>07/11/2011</u> |
| | | By: <u></u> |
| NAME (PLEASE PRINT) Andy Lytle | PHONE NUMBER 720 929-6100 | TITLE Regulatory Analyst |
| SIGNATURE N/A | | DATE 7/11/2011 |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047402990000

API: 43047402990000

Well Name: NBU 921-11B3S

Location: 0706 FNL 2028 FEL QTR NWNE SEC 11 TWP 090S RNG 210E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 8/5/2008

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- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Andy Lytle

Date: 7/11/2011

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-0141317

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 921-11B3S

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

9. API NUMBER:
43047402990000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779
PHONE NUMBER: 720 929-6514

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0706 FNL 2028 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 11 Township: 09.0S Range: 21.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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

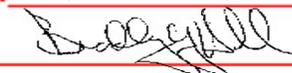
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/5/2012 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> 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 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 checked="" type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input type="text"/> |

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

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

Date: July 31, 2012

By: 

NAME (PLEASE PRINT)
Danielle Piernot

PHONE NUMBER
720 929-6156

TITLE
Regulatory Analyst

SIGNATURE
N/A

DATE
7/31/2012



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078
<http://www.blm.gov/ut/st/en/fo/vernal.html>



April 1, 2103

IN REPLY REFER TO:
3160 (UTG011)

Julie Jacobson
Kerr McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779

43 047 40299

Re: Request to Return APD
Well No. NBU 921-11B3S
NWNE, Sec. 11, T9S, R21E
Uintah County, Utah
Lease No. UTU-0141317
Natural Buttes Unit

Dear Julie:

The Application for Permit to Drill (APD) for the above referenced well received in this office on August 7, 2008, is being returned unapproved per your request to this office in an email message to Natural Resource Specialist Tyler Cox received on March 7, 2013. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Resource Minerals

Enclosures

cc: UDOGM

bcc: Well File

RECEIVED

MAY 01 2013

DIV. OF OIL, GAS & MINING



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 19, 2013

Teena Paulo
Anadarko Petroleum
1099 18th Street, Suite 600
Denver, CO 80202

43 047 40299
NBU 921-11B3S
9S 21E 11

Re: APDs Rescinded for Anadarko Petroleum
Uintah County

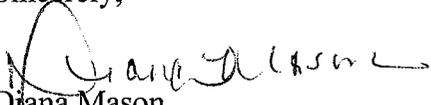
Dear Ms. Paulo:

Enclosed find the list of APDs that you requested to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective July 10, 2013.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal



| | |
|----------------|---------------|
| 43-047-40298 | NBU 921-11D4S |
| → 43-047-40299 | NBU 921-11B3S |
| 43-047-40301 | NBU 921-11C2S |
| 43-047-40302 | NBU 921-11B3T |
| 43-047-39427 | NBU 425.04E |