

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

5. Lease Serial No.  
**UTU-01393-C**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

1a. Type of Work:  DRILL  REENTER

b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

**NATURAL BUTTES UNIT**

8. Lease Name and Well No.  
**NBU 1021-24B**

2. Name of Operator  
**WESTPORT OIL & GAS COMPANY L.P.**

9. API Well No.  
**43-047-37912**

3a. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

10. Field and Pool, or Exploratory  
**NATURAL BUTTES**

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface **NWNE 905'FNL, 1648'FEL** *628561X 39.42821*  
At proposed prod. Zone *4421792Y -107.415015*

11. Sec., T., R., M., or Blk. and Survey or Area  
**SECTION 24-T10S-R21E**

14. Distance in miles and direction from nearest town or post office\*  
**26.2 MILES SOUTHEAST OF OURAY, UTAH**

12. County or Parish  
**UINTAH**

13. State  
**UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **905'**

16. No. of Acres in lease **640.00**

17. Spacing Unit dedicated to this well **40.00**

18. Distance from proposed location\* to nearest well drilling, completed, applied for, on this lease, ft. **REFER TO TOPO C**

19. Proposed Depth **9100'**

20. BLM/BIA Bond No. on file **CO-1203**

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **5122'GL**

22. Approximate date work will start\* **UPON APPROVAL**

23. Estimated duration **TO BE DETERMINED**

24. Attachments

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

- |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification.</li> <li>6. Such other site specific information and/or plans as may be required by the authorized office.</li> </ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

25. Signature *[Signature]* Name (Printed/Typed) **SHEILA UPCHEGO** Date **3/7/2006**

Title **REGULATORY ANALYST**

Approved by (Signature) *[Signature]* Name (Printed/Typed) **BRADLEY G. HILL** Date **05-19-06**

Title **ENVIRONMENTAL MANAGER**

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

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

\*(Instructions on reverse)

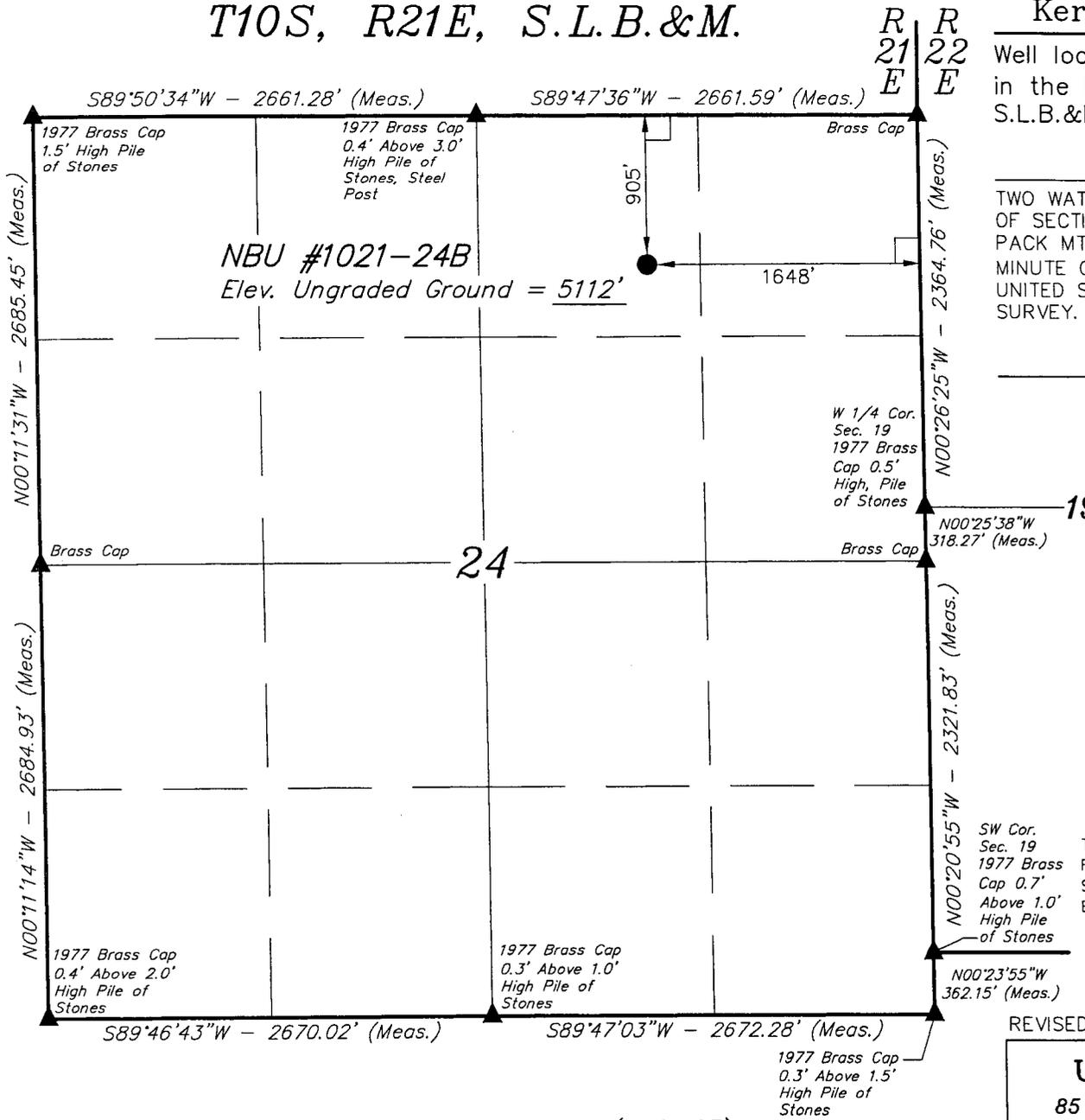
**Federal Approval of this  
Action is Necessary**

FILED

**MAR 10 2006**

BUREAU OF LAND MANAGEMENT

# T10S, R21E, S.L.B.&M.



## Kerr-McGee Oil & Gas Onshore LP

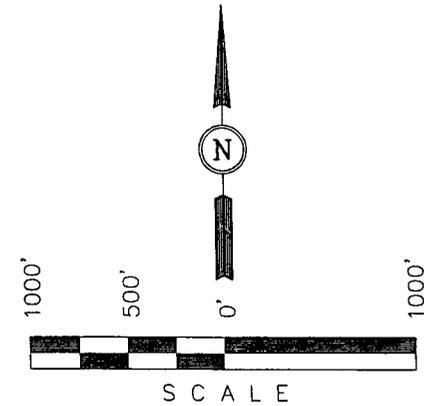
Well location, NBU #1021-24B, located as shown in the NW 1/4 NE 1/4 of Section 24, T10S, R21E, S.L.B.&M. Uintah County, Utah.

### 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, UTAH 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.

*John H. Hays*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH.

REVISED: 01-14-06

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 12-12-05	DATE DRAWN: 12-17-05
PARTY P.J. N.F. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

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

(NAD 83)  
 LATITUDE = 39°56'18.17" (39.938381)  
 LONGITUDE = 109°29'46.04" (109.496122)

(NAD 27)  
 LATITUDE = 39°56'18.29" (39.938414)  
 LONGITUDE = 109°29'43.57" (109.495436)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

**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      3b. Phone No. (include area code)  
**1368 SOUTH 1200 EAST VERNAL, UT 84078      (435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEE ATTACHED**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Other <b>CHANGE OF OPERATOR</b>
	<input 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 Operations (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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

**RECEIVED**  
**MAY 10 2006**

**BLM BOND = C01203**  
**BIA BOND = RLB0005239**

**APPROVED 5/16/06**  
*Earlene Russell*  
**Division of Oil, Gas and Mining**  
**Earlene Russell, Engineering Technician**

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

Name (Printed/Typed) <b>RANDY BAYNE</b>	Title <b>DRILLING MANAGER</b>
Signature <i>Randy Bayne</i>	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by	Title	Date
-------------	-------	------

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 18 U.S.C. Section 1001, 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.

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DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

**APPROVED** 5/16/06  
*Earlene Russell*  
**Division of Oil, Gas and Mining**  
**Earlene Russell, Engineering Technician**

**RECEIVED**  
**MAY 10 2006**

**DIV. OF OIL, GAS & MINING**

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

Name (Printed/Typed) <b>BRAD LANEY</b>	Title <b>ENGINEERING SPECIALIST</b>
Signature	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by <i>Brad Laney</i>	Title	Date <b>5-9-06</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office  
From: Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED  
MAR 28 2006  
BLM OF UT, CO, & NM

**Name of Company:**

**OLD**

**Westport O&G Co. L.P.**  
 1670 Broadway  
 Suite 2800  
 Denver CO 80202

**NEW NID**

**Kerr-McGee**  
 1999 Broadway  
 Suite 3700  
 Denver, CO 80202

\*\*\*\*\*

**January 4, 2006**

**(817) CORPORATE MERGER RECOGNIZED**

**(DATE)**

\*\*\*\*\*

UTSL-065814A	UTU-01198D	UTU-075939	UTU-38418	UTU-64376	UTU-75517
UTSL-070220A	UTU-01301	UTU-0109054	UTU-38419	UTU-65222	UTU-75699
UTSL-071756	UTU-01304	UTU-0129384	UTU-38420	UTU-65223	UTU-76041
UTSL-071803A	UTU-01393B	UTU-0109054	UTU-38421	UTU-66401	UTU-76242
UTSL-071861	UTU-01393C	UTU-0132568A	UTU-38423	UTU-66746	UTU-76493
UTU-0281	UTU-01393D	UTU-0136484	UTU-38424	UTU-67178	UTU-76495
UTU-0282	UTU-01416	UTU-013769A	UTU-38425	UTU-67549	UTU-76503
UTU-0285A	UTU-01416A	UTU-0142175	UTU-38426	UTU-86834	UTU-76829
UTU-0336	UTU-01470D	UTU-0143276	UTU-38427	UTU-67868	UTU-76830
UTU-0336A	UTU-01791	UTU-0143933	UTU-38428	UTU-68999	UTU-76831
UTU-0337	UTU-01791A	UTU-0146551	UTU-40729	UTU-71417	UTU-76836
UTU-0343	UTU-02270A	UTU-0145824	UTU-40736	UTU-71418	UTU-77084
UTU-0344A	UTU-02277A	UTU-0149077	UTU-42469	UTU-71423	UTU-77290
UTU-0385	UTU-02277B	UTU-0149078	UTU-43917	UTU-71424	UTU-77530
UTU-0460	UTU-02277C	UTU-0149079	UTU-46699	UTU-71694	UTU-77531
UTU-0462	UTU-02278	UTU-0149080	UTU-49530	UTU-72027	UTU-78032
UTU-0463	UTU-02278A	UTU-0149081	UTU-50687	UTU-72028	UTU-78228
UTU-0464	UTU-02278C	UTU-4478	UTU-51026	UTU-73020	UTU-78714
UTU-0466	UTU-02651	UTU-4485	UTU-54017	UTU-73021	UTU-78727
UTU-0468	UTU-02651B	UTU-14646	UTU-52298	UTU-73409	UTU-78852
UTU-0469	UTU-02842B	UTU-10291	UTU-53860	UTU-73175	UTU-78853
UTU-0470	UTU-06674	UTU-20895	UTU-53861	UTU-73409	UTU-78854
UTU-0471	UTU-07386	UTU-25880	UTU-54017	UTU-73450	UTU-79005
UTU-0472	UTU-08344	UTU-28212	UTU-58097	UTU-73685	UTU-80201
UTU-0473	UTU-08344A	UTU-28213	UTU-60739	UTU-73749	UTU-80202
UTU-0474	UTU-08345	UTU-28652	UTU-60754	UTU-74413	UTU-80553
UTU-0647	UTU-08346	UTU-29535	UTU-60763	UTU-74414	UTU-80554
UTU-01190	UTU-08347	UTU-29797	UTU-60767	UTU-74415	UTU-80557
UTU-01191	UTU-08348	UTU-30289	UTU-60768	UTU-74416	UTU-80560
UTU-01191A	UTU-010953	UTU-31260	UTU-60774	UTU-74425	UTU-80561
UTU-01195	UTU-010954	UTU-31736	UTU-60821	UTU-74473	UTU-80562
UTU-01195B	UTU-010954A	UTU-34705	UTU-60822	UTU-74898	UTU-80563
UTU-01196A	UTU-010956	UTU-34711	UTU-60944	UTU-74954	UTU-80643X
UTU-01196B	UTU-011336	UTU-37116	UTU-60951	UTU-75091	UTU-80564
UTU-01196C	UTU-019188	UTU-37355	UTU-61263	UTU-75096	UTU-80565
UTU-01196D	UTU-015630A	UTU-37573	UTU-61396	UTU-75097	UTU-80666
UTU-01196E	UTU-025187	UTU-37943	UTU-63016D	UTU-75108	UTU-80691
UTU-01198A	UTU-037166	UTU-38261	UTU-63016X	UTU-75132	UTU-80922
UTU-01198B	UTU-037167	UTU-38401	UTU-63065A	UTU-75247	UTU-80932
UTU-01198C	UTU-013769B	UTU-38411	UTU-63065X	UTU-75248	UTU-80933

UTU-80934					
UTU-80935					
UTU-80936					
UTU-80937					
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UTU-81202					
UTU-81161					
UTU-81203					
UTU-81655					
UTU-81656					
UTU-81657					
UTU-81694					
UTU-81696					
UTU-82190					
UTU-82191					
UTU-82192					
UTU-82541					
UTU-84207					
UTU-84208					



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

## NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

**Attachment:**

List of OG Leases to each of the following offices:  
MMS MRM, MS 357B-1  
WY, UT, NM/OK/TX, MT/ND, WY State Offices  
CO Field Offices

**Wyoming State Office**

Rider #1 to Bond WY2357  
Rider #2 to Bond WY1865  
Rider #3 to Bond WY1127

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	<input 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
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other <b>PIPELINE CHANGE</b>

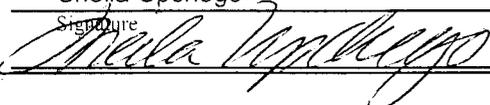
13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

THE OPERATOR REQUESTS AUTHORIZATION TO CHANGE THE PIPELINE ROUTE TO THE FOLLOWING APPROXIMATELY 200' OF 4" PIPELINE FROM THE PROPOSED WELL LOCATION TO THE TIE-IN POINT.

PLEASE REFER TO THE ATTACHED TOPO D MAP FOR PIPELINE PLACEMENT.

**MAR 29 2006**

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

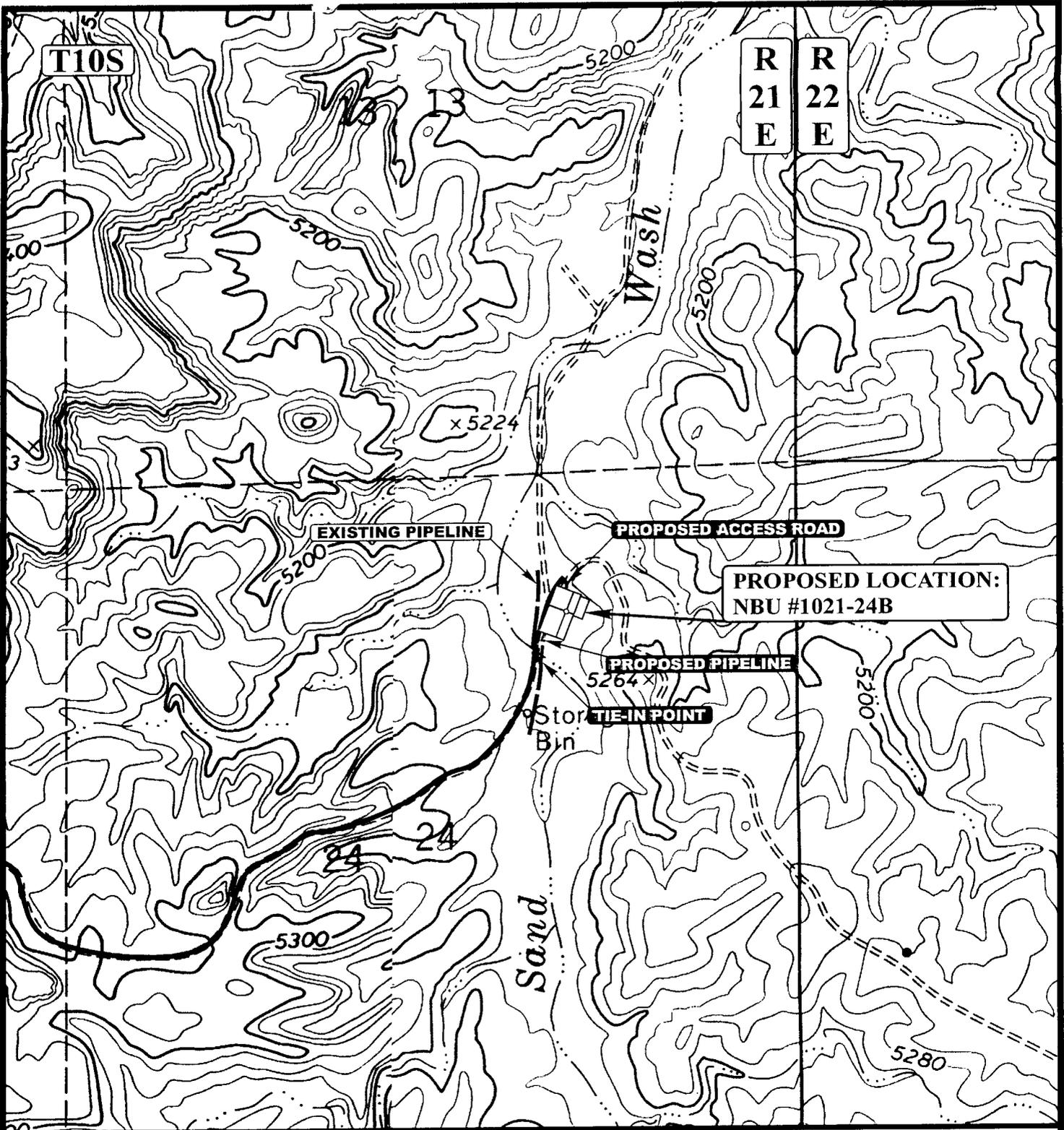
Name (Printed/Typed) <b>Sheila Upchego</b>	Title <b>Regulatory Analyst</b>
Signature 	Date <b>March 24, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by	Title	Date
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.	Office <b>Accepted by the Utah Division of Oil, Gas, and Mining</b>	Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001, 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.

**FOR RECORD ONLY**



APPROXIMATE TOTAL PIPELINE DISTANCE = 200' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

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

NBU #1021-24B

SECTION 24, T10S, R21E, S.L.B.&M.

905' FNL 1648' FEL



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

**TOPOGRAPHIC MAP** 01 14 06  
MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 03-17-06 **D TOPO**

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

**IN REPLY REFER TO:**

**3160  
(UT-922)**

March 17, 2006

**Memorandum**

**To:** Assistant District Manager Minerals, Vernal District  
**From:** Michael Coulthard, Petroleum Engineer  
**Subject:** 2006 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 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-37910	NBU 1021-24I Sec 24 T10S R21E 2272 FSL 0870 FEL	
43-047-37911	NBU 1021-24C Sec 24 T10S R21E 0626 FNL 1887 FWL	
43-047-37912	NBU 1021-24B Sec 24 T10S R21E 0905 FNL 1648 FEL	
43-047-37913	NBU 1021-25G Sec 25 T10S R21E 2445 FNL 2079 FEL	
43-047-37914	NBU 1021-25H Sec 25 T10S R21E 2377 FNL 0127 FEL	
43-047-37917	NBU 1021-25E Sec 25 T10S R21E 2301 FNL 0183 FWL	
43-047-37907	NBU 1021-03L Sec 03 T10S R21E 2618 FSL 0315 FWL	
43-047-37908	NBU 1021-03D Sec 03 T10S R21E 0285 FNL 0915 FWL	
43-047-37909	NBU 1021-03H Sec 03 T10S R21E 1884 FNL 0506 FEL	
43-047-37894	NBU 920-14L Sec 14 T09S R20E 1907 FSL 0707 FWL	
43-047-37895	NBU 920-15B Sec 15 T09S R20E 0501 FNL 1876 FEL	
43-047-37896	NBU 920-15C Sec 15 T09S R20E 0684 FNL 2181 FWL	
43-047-37897	NBU 920-21E Sec 21 T09S R20E 1851 FNL 0032 FWL	
43-047-37898	NBU 920-22A Sec 22 T09S R20E 0937 FNL 0584 FEL	
43-047-37899	NBU 920-27A Sec 27 T09S R20E 0579 FNL 0728 FEL	
43-047-37900	NBU 920-27G Sec 27 T09S R20E 1907 FNL 2023 FEL	
43-047-37901	NBU 920-27F Sec 27 T09S R20E 1888 FNL 2014 FWL	
43-047-37902	NBU 920-27C Sec 27 T09S R20E 0699 FNL 1937 FWL	
43-047-37903	NBU 920-27B Sec 27 T09S R20E 0934 FNL 1805 FEL	
43-047-37904	NBU 920-27D Sec 27 T09S R20E 0731 FNL 0971 FWL	
43-047-37905	NBU 920-27I Sec 27 T09S R20E 2152 FSL 0491 FEL	
43-047-37906	NBU 920-27H Sec 27 T09S R20E 2023 FNL 1089 FEL	

Page 2

Our records indicate the NBU 1021-24I and the 1021-24B are closer than 460 feet from uncommitted land within the Natural Butte Unit. The NBU 1021-25H is located **outside** of the Natural Buttes Unit and is closer than 460 feet from the Unit Boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

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



**KERR-McGEE OIL & GAS ONSHORE LP**  
1999 BROADWAY, SUITE 3700 • DENVER, COLORADO 80202

RECEIVED  
JAN 27 2006  
DIV. OF OIL, GAS & MINING

PHONE: 303-296-3600  
FAX: 303-296-3601

January 24, 2006

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

RE: NBU 1021-24B  
T10S-R21 E  
Section 24: NWNE  
905' FNL, 1,648' FEL  
Uintah County, Utah

Dear Ms. Whitney:

Kerr-McGee Oil & Gas Onshore LP, formerly known as Westport Oil and Gas Company, L.P., has submitted a permit to drill the captioned well to test the Wasatch and Mesaverde formations. The well is located at an exception location to State Rule 173-14 (NBU). The well location is less than 460' from the unit boundary. Kerr-McGee owns 100% of the leasehold in the offset lands and has no objection to the exception location.

Kerr-McGee requests your approval of this exception location. If you have any questions or require any additional information, please do not hesitate to call me at 720-264-2618.

Sincerely,

W. Chris Latimer, CPL  
Senior Landman

cc: Raleen Weddle

**NBU #1021-24B  
NW/NE Sec. 24, T10S,R21E  
UINTAH COUNTY, UTAH  
UTU-01393-C**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1100'
Wasatch	4300'
Mesaverde	7025'
TD	9100'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1100'
Gas	Wasatch	4300'
Gas	Mesaverde	7025'
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 9100' TD, approximately equals 5642 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3640 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.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*





**Kerr-McGee Oil & Gas Onshore LP  
DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2000	32.30	H-40	STC	0.66*****	1.46	4.49
PRODUCTION	4-1/2"	0 to 9100	11.60	I-80	LTC	2.26	1.17	2.18

- 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 = 11.5 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 3440 psi
- \*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

**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 Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
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	3,800'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	420	60%	11.00	3.38
	TAIL	5,300'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1480	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained  
\*Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

**FLOAT EQUIPMENT & CENTRALIZERS**

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint 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 Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

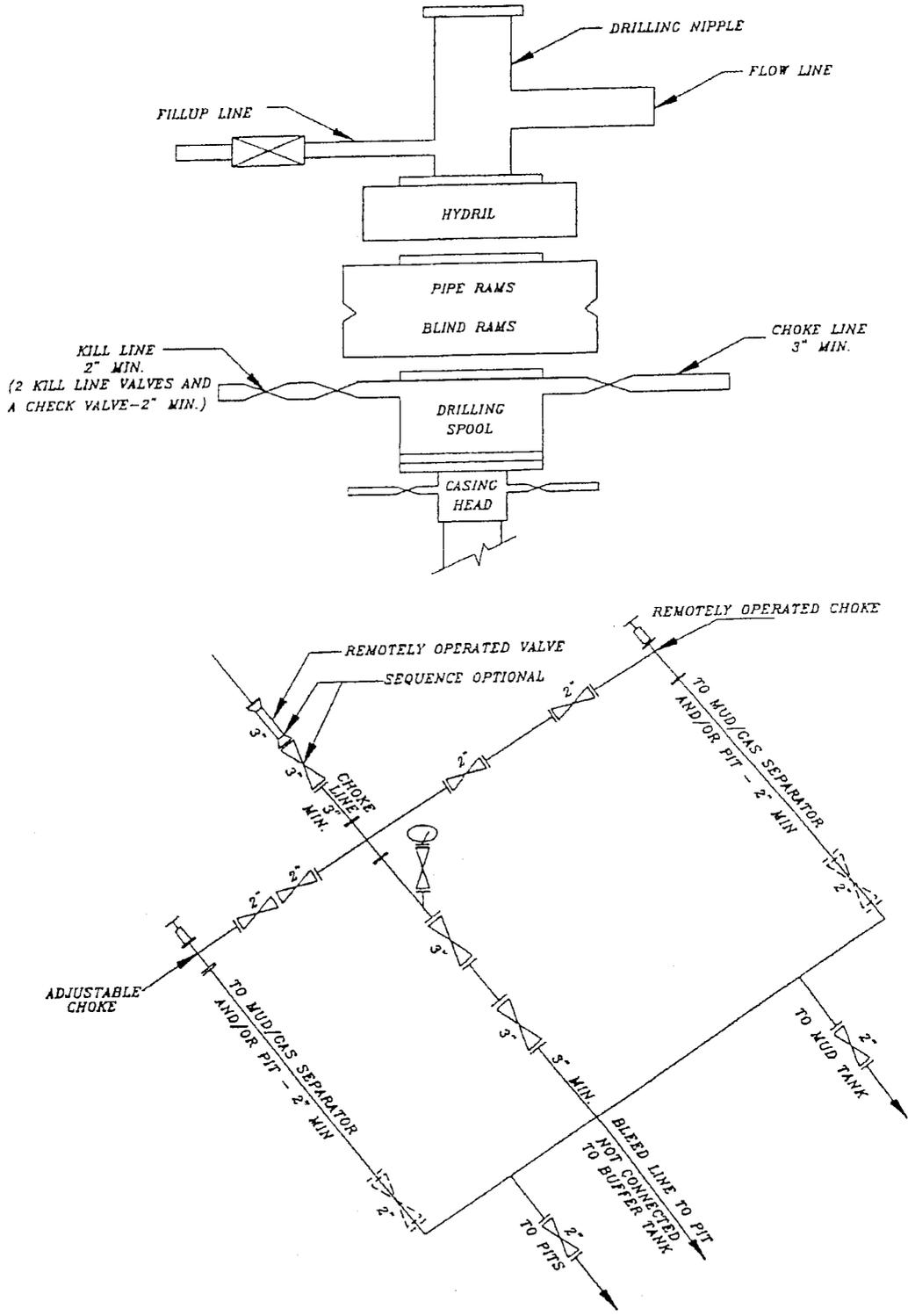
DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney

DRILLING SUPERINTENDENT: \_\_\_\_\_  
Randv Bavne NBU1021-24B APD.xls

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 1021-24B  
NWNE SEC 24-T10S-R21E  
UINTAH COUNTY, UTAH  
UTU-01393-C**

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

An onsite inspection was conducted for the NBU 1021-24B on 03/02/06 for the subject well.

**1. Existing Roads:**

Refer to the attached location directions.

**A paleontologist shall be present to monitor construction.**

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

**2. Planned Access Roads:**

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

Approximately 120' +/- of new access road is proposed. Refer to Topo Map B.

**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.

**Variances to Best Management Practices (BMPs) Requested:**

Bury the pipeline across the wash. As discussed at the on-site inspection.

Approximately 100' +/- 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.

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.*

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 (*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.

As per previous onsite discussion, a 20 mil reserve pit liner with felt will be used.

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.*

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. 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	4 lbs.
Needle and Thread Grass	4 lbs.
Indian Rice Grass	4 lbs.

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

**11. Surface Ownership:**

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

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

**12. Stipulations:**

**Critical Soils:** No Construction When Wet.

**Wildlife Stipulations:**

**ANTELOPE STIPULATIONS:** No construction or drilling from May 15<sup>th</sup> through June 20<sup>th</sup>.

**13. Other Information:**

A Class III archaeological survey and a paleontological survey have been performed and will be filed when received.

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:**

Sheila Upchego  
Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

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 BLM Nationwide Bond #CO-1203.

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.

  
Sheila Upchego

3/7/2006  
Date

Kerr-McGee Oil & Gas Onshore LP  
NBU #1021-24B  
SECTION 24, T10S, 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, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 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, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 7.5 MILES TO BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 120' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 49.7 MILES.

# Kerr-McGee Oil & Gas Onshore LP

NBU #1021-24B

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 24, T10S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	12	15	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: P.J.	DRAWN BY: C.P.		REVISED: 01-14-06	

# Kerr-McGee Oil & Gas Onshore LP

NBU #1021-24B

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 24, T10S, R21E, S.L.B.&M.

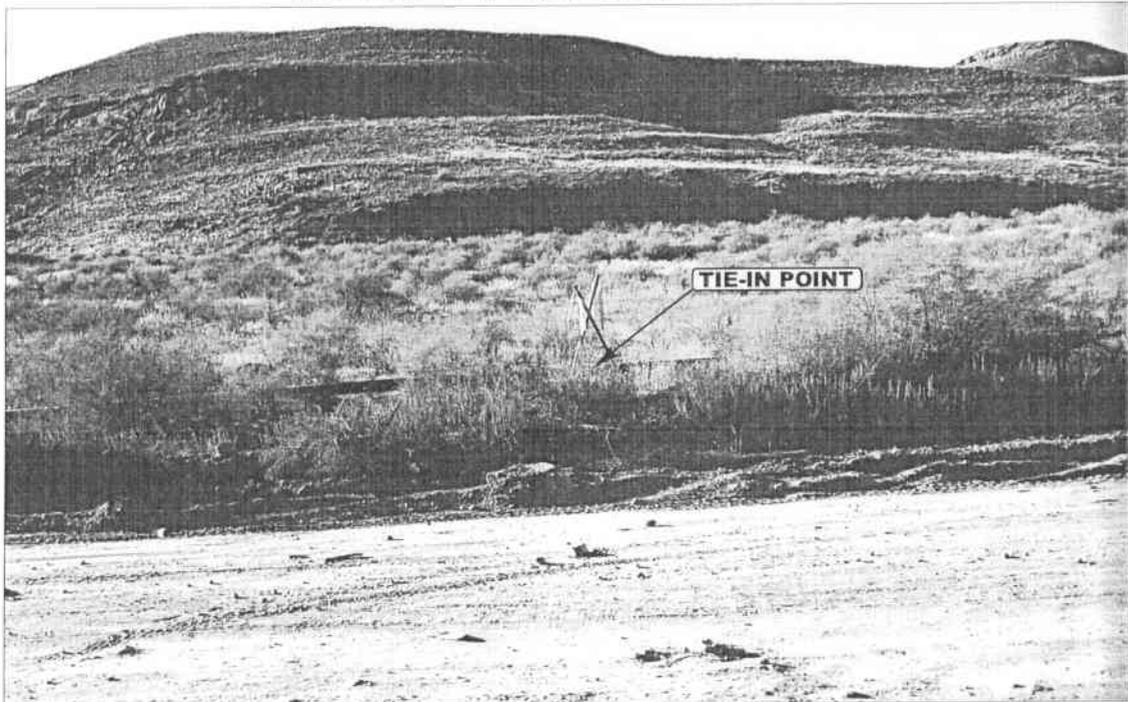


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

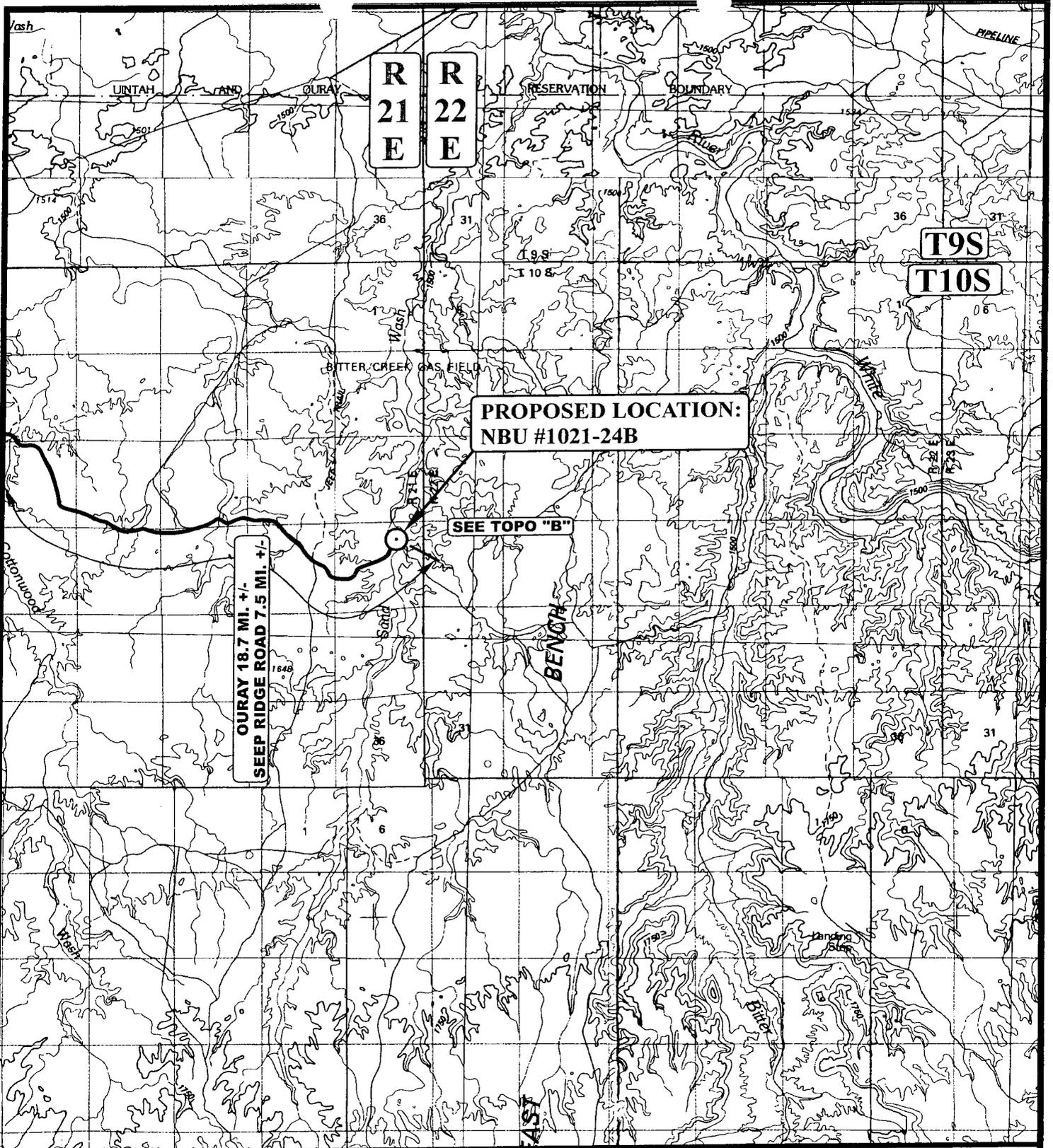
12 15 05  
MONTH DAY YEAR

PHOTO

TAKEN BY: P.J.

DRAWN BY: C.P.

REVISED: 01-14-06



**PROPOSED LOCATION:  
NBU #1021-24B**

SEE TOPO "B"

OURAY 18.7 MI. +/-  
SEEP RIDGE ROAD 7.5 MI. +/-

**LEGEND:**

⊙ PROPOSED LOCATION

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

NBU #1021-24B  
SECTION 24, T10S, R21E, S.L.B.&M.  
905' FNL 1648' FEL

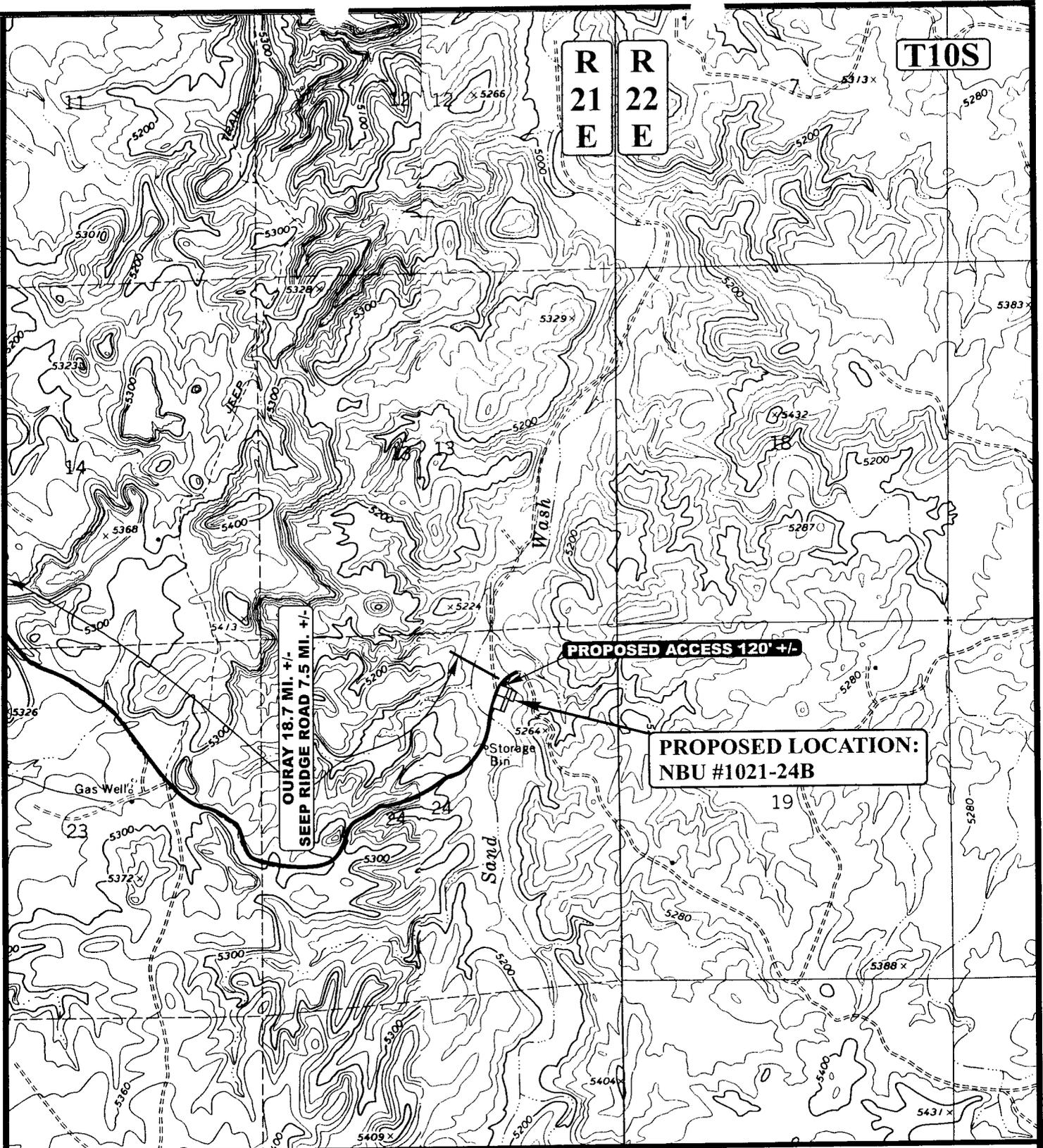


**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC** 12 15 05  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 01-14-06





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

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

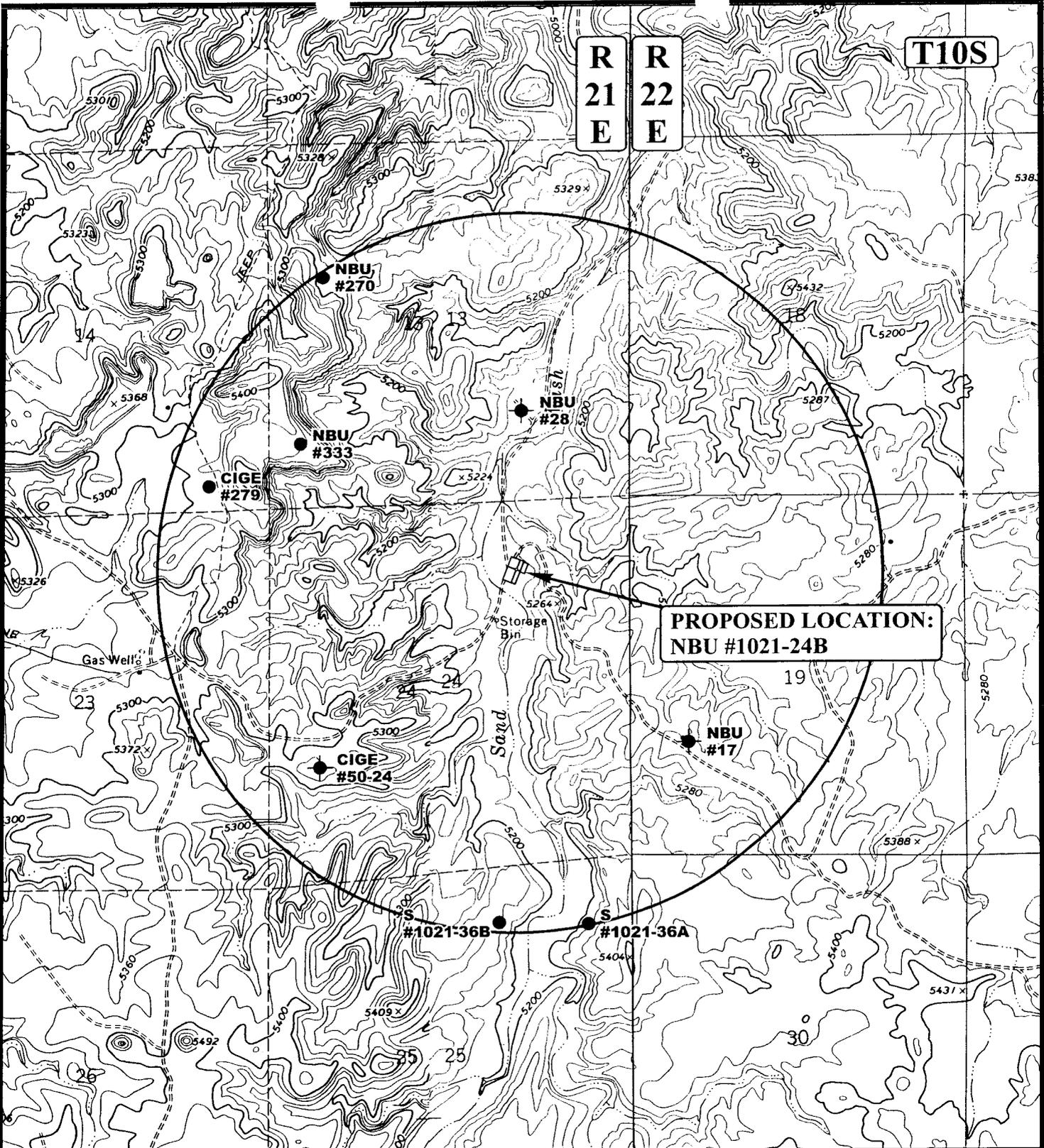


**Kerr-McGee Oil & Gas Onshore LP**

NBU #1021-24B  
 SECTION 24, T10S, R21E, S.L.B.&M.  
 905' FNL 1648' FEL

TOPOGRAPHIC	12	15	05
MAP	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.		REVISED: 01-14-06

**B**  
 TOPO



R  
21  
E

R  
22  
E

T10S

**PROPOSED LOCATION:  
NBU #1021-24B**

- LEGEND:**
- ⊗ DISPOSAL WELLS
  - PRODUCING WELLS
  - ⬤ SHUT IN WELLS
  - ⊗ WATER WELLS
  - ABANDONED WELLS
  - TEMPORARILY ABANDONED

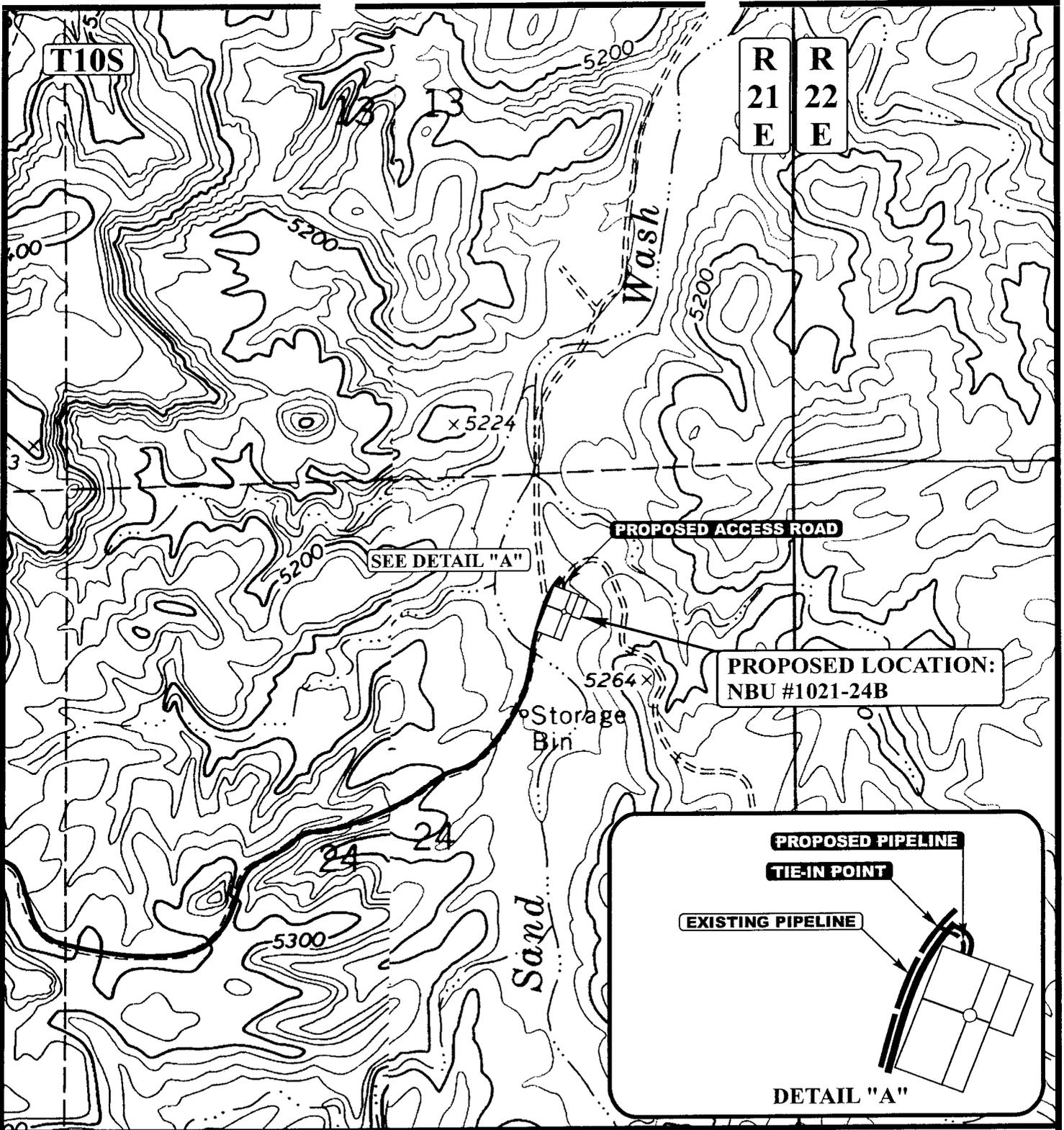
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**U&L S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC	12	15	05	<b>C</b> TOPO
MAP	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: C.P.		REVISED: 01-14-06	



APPROXIMATE TOTAL PIPELINE DISTANCE = 100' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



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

NBU #1021-24B  
 SECTION 24, T10S, R21E, S.L.B.&M.  
 905' FNL 1648' FEL



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TOPOGRAPHIC	12	15	05
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SCALE: 1" = 1000'	DRAWN BY: C.P.		REVISED: 01-14-06

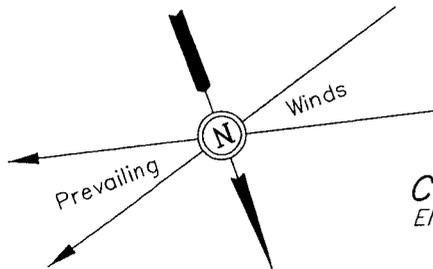


# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

## LOCATION LAYOUT FOR

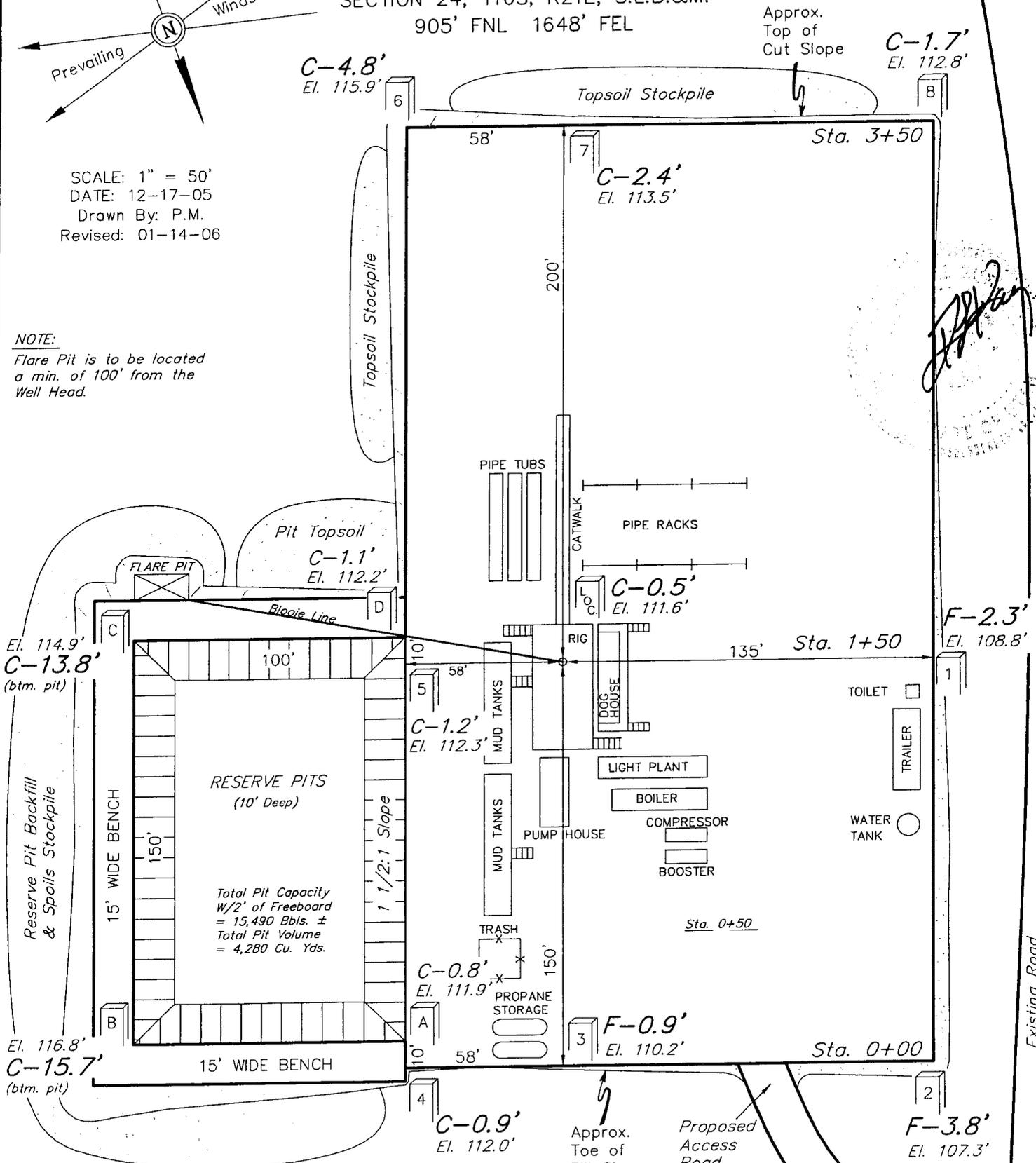
NBU #1021-24B  
SECTION 24, T10S, R21E, S.L.B.&M.  
905' FNL 1648' FEL



SCALE: 1" = 50'  
DATE: 12-17-05  
Drawn By: P.M.  
Revised: 01-14-06

**NOTE:**

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



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5111.6'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5111.1'

# Kerr-McGee Oil & Gas Onshore LP

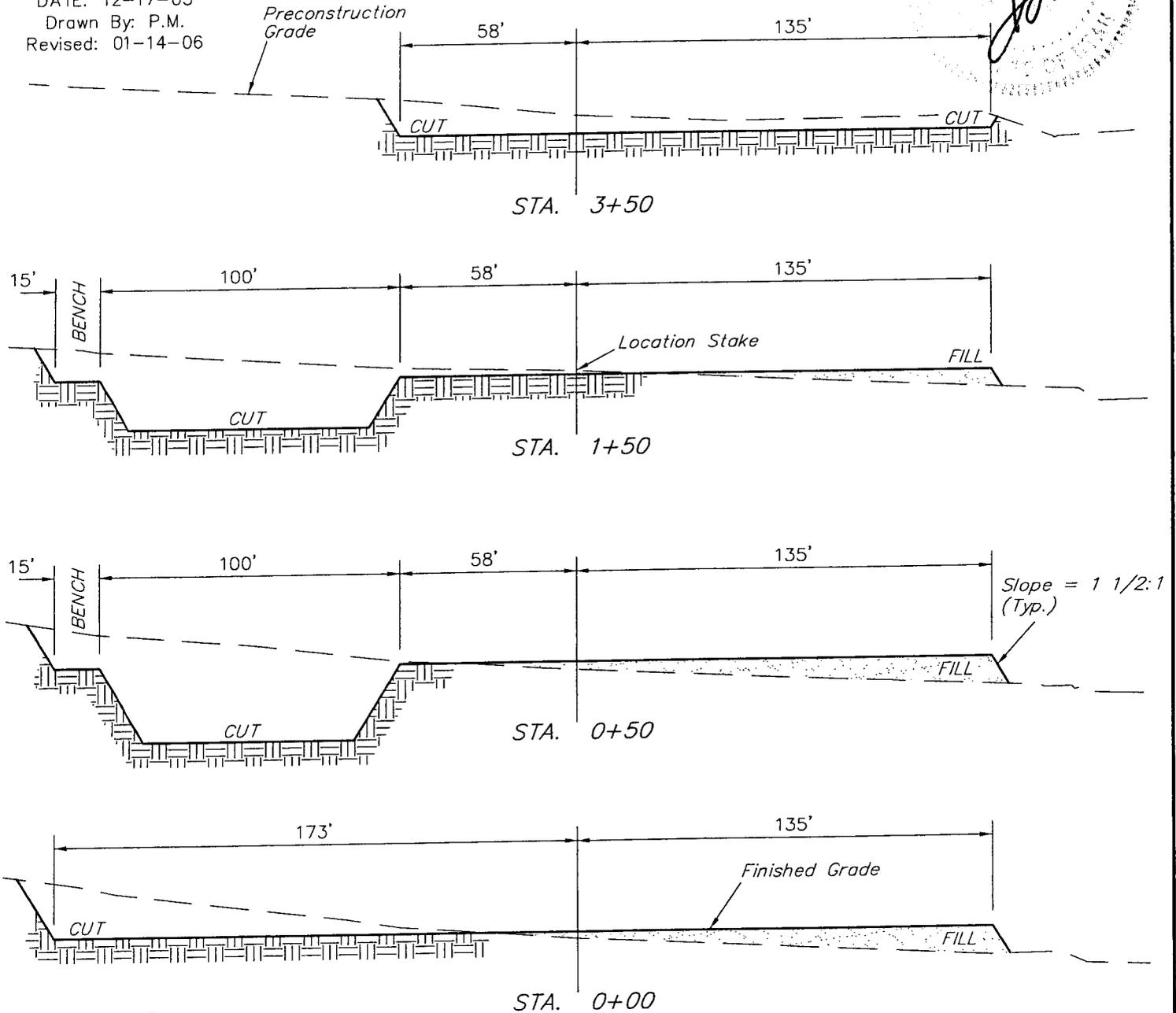
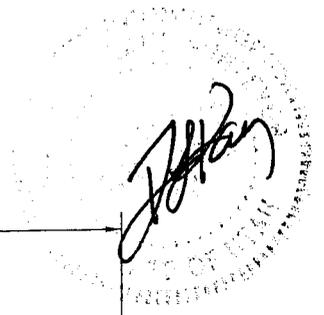
FIGURE #2

## TYPICAL CROSS SECTIONS FOR

NBU #1021-24B  
SECTION 24, T10S, R21E, S.L.B.&M.  
905' FNL 1648' FEL

1" = 20'  
X-Section Scale  
1" = 50'

DATE: 12-17-05  
Drawn By: P.M.  
Revised: 01-14-06



**NOTE:**

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

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

CUT	
(6") Topsoil Stripping	= 1,800 Cu. Yds.
Remaining Location	= 7,630 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,430 CU.YDS.</b>
<b>FILL</b>	<b>= 2,870 CU.YDS.</b>

EXCESS MATERIAL	= 6,560 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,940 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,620 Cu. Yds.

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

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/10/2006

API NO. ASSIGNED: 43-047-37912

WELL NAME: NBU 1021-24B  
 OPERATOR: WESTPORT OIL & GAS CO ( N2115 )  
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NWNE 24 100S 210E  
 SURFACE: 0905 FNL 1648 FEL  
 BOTTOM: 0905 FNL 1648 FEL  
 COUNTY: UINTAH  
 LATITUDE: 39.93838 LONGITUDE: -109.4953  
 UTM SURF EASTINGS: 628561 NORTHINGS: 4421792  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-01393-C  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

Plat  
 Bond: Fed[1] Ind[] Sta[] Fee[]  
 (No. CO-1203 )  
 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:

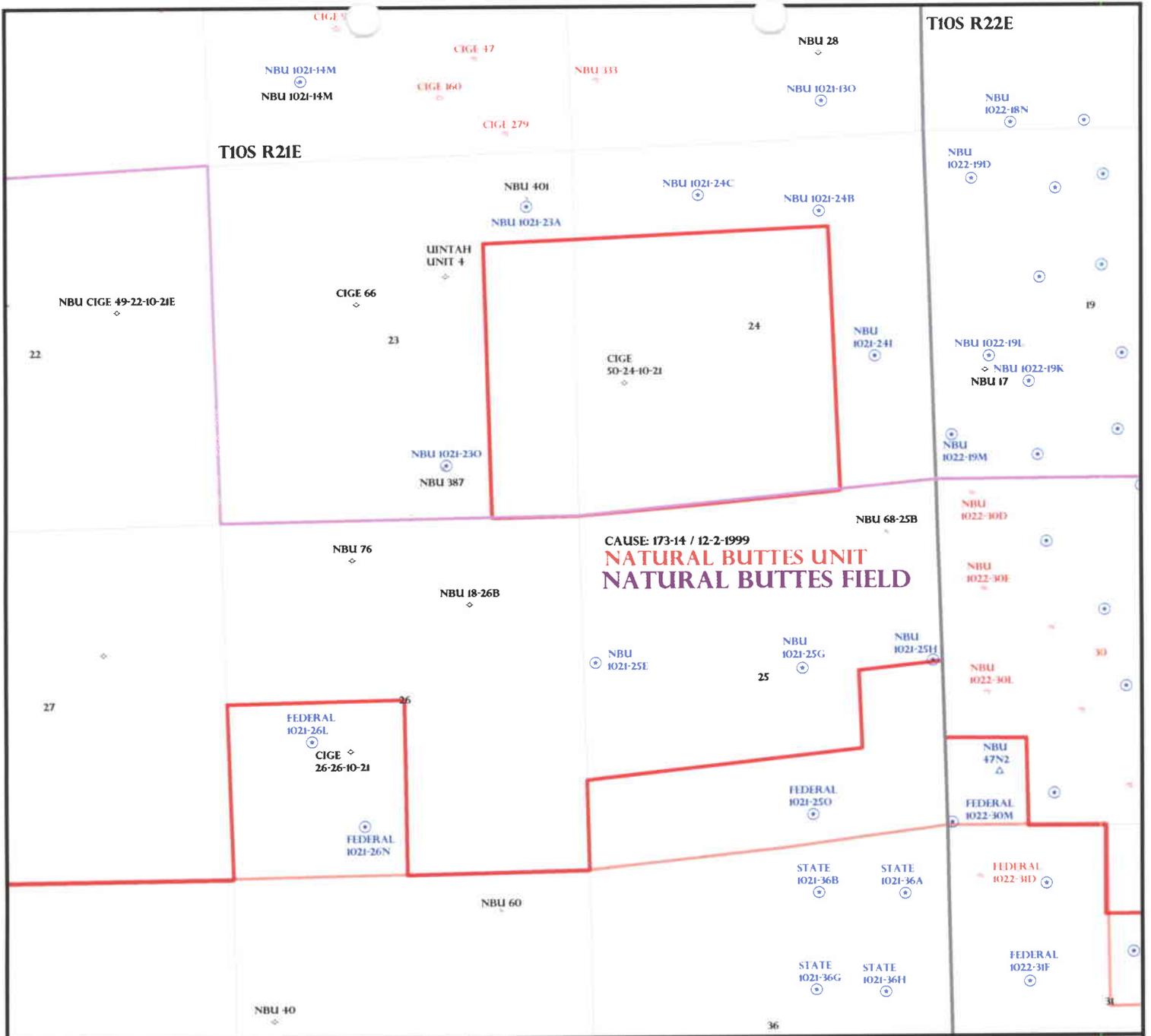
\_\_\_ R649-2-3.  
 Unit: NATURAL BUTTES  
 \_\_\_ R649-3-2. General  
 Siting: 460' From Qtr/Qtr & 920' Between Wells  
 R649-3-3. Exception  
 Drilling Unit  
 Board Cause No: 173-14  
 Eff Date: 12-2-99  
 Siting: 460' fr a bdy E. uncomm. Tract  
 \_\_\_ R649-3-11. Directional Drill

COMMENTS:

See Separate file

STIPULATIONS:

1- Federal Approval  
2- OIL SHALE



OPERATOR: WESTPORT O&G CO (N2115)

SEC: 24,25 T. 10S R. 21E

FIELD: NATURAL BUTTES (630)

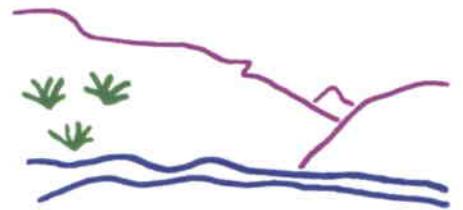
COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 16-MARCH-2006

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		<b>1/6/2006</b>
<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	

WELL NAME	CA No.	Unit:	NATURAL BUTTES UNIT					
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- 7. Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- 8. Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter 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  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEE ATTACHED**

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Other <b>CHANGE OF OPERATOR</b>
	<input 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 Operations (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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

**RECEIVED**

**MAY 10 2006**

DIV. OF OIL, GAS & MINING

*BLM BOND = C01203  
BIA BOND = RLB0005239*

**APPROVED 5/16/06**

*Earlene Russell*  
**Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician**

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

Name (Printed/Typed) <b>RANDY BAYNE</b>	Title <b>DRILLING MANAGER</b>
Signature <i>Randy Bayne</i>	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by	Title	Date
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.	Office	

Title 18 U.S.C. Section 1001, 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter 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  
**WESTPORT OIL & GAS COMPANY L.P.**

3a. Address **1368 SOUTH 1200 EAST VERNAL, UT 84078**  
3b. Phone No. (include area code) **(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEE ATTACHED**

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION					
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Other CHANGE OF OPERATOR		
	<input 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 Operations (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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

**APPROVED** 5/16/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
MAY 10 2006

DIV OF OIL, GAS & MINING

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

Name (Printed/Typed)

**BRAD LANEY**

Signature

Title

**ENGINEERING SPECIALIST**

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

*Brad Laney*

Title

Office

Date

**5-9-06**

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 18 U.S.C. Section 1001, 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.



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

#### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

**Attachment:**

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERAL



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 19, 2006

Kerr-McGee Oil & Gas Onshore, LP  
1368 South 1200 East  
Vernal, UT 84078

Re: Natural Buttes Unit 1021-24B Well, 905' FNL, 1648' FEL, NW NE, Sec. 24,  
T. 10 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-37912.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

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

**Well Name & Number** Natural Buttes Unit 1021-24B

**API Number:** 43-047-37912

**Lease:** UTU-01393-C

**Location:** NW NE                      **Sec.** 24                      **T.** 10 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 within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

**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. 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.

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

UTU-01393-C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

NATURAL BUTTES

8. Well Name and No.

NBU 1021-24B

9. API Well No.

4304737912

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH, UTAH

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE, LP

3a. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

435-781-7003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

905' FNL, 1648' FEL  
NWNE, SEC 24-T10S-R21E

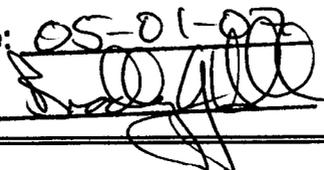
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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"/> Alter 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 checked="" type="checkbox"/> Other APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	DOG M
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

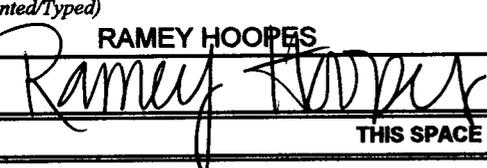
THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MAY 19, 2006.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 05-01-07  
By: 

5:36 07  
RM

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

Name (Printed/Typed) RAMEY HOOPES	Title REGULATORY CLERK
Signature 	Date April 24, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
-------------	-------	------

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.	Office
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------

Title 18 U.S.C. Section 1001, 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.

MAY 01 2007

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304737912  
**Well Name:** NBU 1021-24B  
**Location:** NWNE, SEC 24-T10S-R21E  
**Company Permit Issued to:** KERR-MCGEE OIL AND GAS ONSHORE LP  
**Date Original Permit Issued:** 5/19/2006

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 right-of-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

  
Signature

4/24/2007

Date

Title: REGULATORY CLERK

Representing: KERR-MCGEE OIL AND GAS ONSHORE L

RECEIVED

MAR - 8 2006

Form 3160-3  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
**UTU-01393-C**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

**NATURAL BUTTES UNIT**

8. Lease Name and Well No.

**NBU 1021-24B**

9. API Well No.

**43-047-3712**

10. Field and Pool, or Exploratory

**NATURAL BUTTES**

11. Sec., T., R., M., or Blk, and Survey or Area

**SECTION 24-T10S-R21E**

12. County or Parish

**UINTAH**

13. State

**UTAH**

1a. Type of Work:  DRILL  REENTER

b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
**KERR MCGEE OIL & GAS ONSHORE LP**

3A. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **NWNE 905'FNL, 1648'FEL**

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*  
**26.2 MILES SOUTHEAST OF OURAY, UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
**905'**

16. No. of Acres in lease  
**640.00**

17. Spacing Unit dedicated to this well  
**40.00**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
**REFER TO TOPO C**

19. Proposed Depth  
**9100'**

20. BLM/BIA Bond No. on file  
**CO-1203**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**5122'GL**

22. Approximate date work will start\*  
**UPON APPROVAL**

23. Estimated duration  
**TO BE DETERMINED**

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>7/13/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>Tracy Kenczka</b>	Date <b>7-27-2007</b>
Title <b>Land &amp; Mineral Resources</b>	Office	

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

Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on reverse)

NOTICE OF APPROVAL

RECEIVED

JUL 31 2007

DIV. OF OIL, GAS & MINING

N05 12/30/05  
06BM0701A

UDOGM

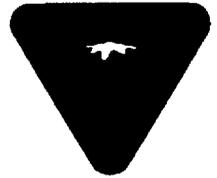


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

<b>Company:</b>	<b>Kerr-McGee Oil &amp; Gas Onshore, LP</b>	<b>Location:</b>	<b>NWNE, Sec. 24, T10S, R21E</b>
<b>Well No:</b>	<b>NBU 1021-24B</b>	<b>Lease No:</b>	<b>UTU-01393-C</b>
<b>API No:</b>	<b>43-047-37912</b>	<b>Agreement:</b>	<b>Natural Buttes Unit</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

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

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

**NOTIFICATION REQUIREMENTS**

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

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

***Surface COAs:***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

***Site Specific COAs:***

- The lessee/operator is given notice that lands in the lease have been identified as containing crucial pronghorn (antelope) habitat. It is requested that the lessee/operator not initiate surface disturbing activities or drilling from May 15 through June 20. A survey may be conducted by a qualified biologist or a BLM representative during this timing period to determine if pronghorn are in the area.
- 4 to 6 inches of topsoil shall be stripped from the location and windrowed as shown on the cut sheet. The topsoil shall then be broadcast seeded with the recommended seed mix immediately after it has been windrowed and the seed walked into the soil with a dozer.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.
- As discussed on the onsite conducted on March 2, 2006 the pipeline will be buried where it crosses the wash.

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

### **SITE SPECIFIC DOWNHOLE COAs:**

A variance is granted for O.O. #2 III. E. 1.

- The blooie line shall be straight or have targeted tees for bends in the line.
- Not requiring an automatic igniter or continuous pilot on the blooie line
- If a mist system is used, the requirement for a deduster shall be waived.

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

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

**OPERATING REQUIREMENT REMINDERS:**

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

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter 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 AND GAS ONSHORE, LP**

3a. Address **1368 SOUTH 1200 EAST, VERNAL, UTAH 84078** 3b. Phone No. (include area code) **435-781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW/NE SEC. 24, T10S, R21E 905'FNL, 1648'FEL**

5. Lease Serial No.  
**UTU-01393-C**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**UNIT #891008900A  
NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 1021-24B**

9. API Well No.  
**4304737912**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH, UTAH**

12. CHECK APPROPRIATE BOX(ES) 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"/> Alter 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 checked="" type="checkbox"/> Other <b>APD EXTENSION</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>DOGM</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MAY 19, 2006.

**COPY SENT TO OPERATOR**

Date: 5-21-2008

Initials: KS

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

Date: 05-20-08

**RECEIVED**

**MAY 19 2008**

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed) **SHEILA UPCHEGO** Title **SENIOR LAND ADMIN SPECIALIST**  
Signature *[Signature]* Date **May 15, 2008**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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. Office \_\_\_\_\_

Title 18 U.S.C. Section 1001, 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.

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304737912  
**Well Name:** NBU 1021-24B  
**Location:** NW/NE SEC. 24, T10S, R21E  
**Company Permit Issued to:** KERR McGEE OIL & GAS ONSHORE LP  
**Date Original Permit Issued:** 5/19/2006

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 right-of-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

  
Signature

5/15/2008

Date

Title: SENOIR LAND ADMIN SPECIALIST

Representing: KERR-McGEE OIL & GAS ONSHORE LP

RECEIVED  
MAY 19 2008  
DIV. OF OIL, GAS & MINING



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

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
 Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737912	NBU 1021-24B		NWNE	24	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	8/4/2008			<u>8/14/08</u>	
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 08/04/2008 AT 1230 HRS.							

Well 2

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

Well 3

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

**ACTION CODES:**

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

SHEILA UPCHEGO

Name (Please Print)

*(Handwritten Signature)*

Signature

REGULATORY ANALYST

8/5/2008

Title

Date

**RECEIVED**

**AUG 05 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.

UTU-01393-C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A  
NATURAL BUTTES UNIT

8. Well Name and No.

**NBU 1021-24B**

9. API Well No.

4304737912

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

**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

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW/NE SEC. 24, T10S, R21E 905'FNL, 1648'FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Other <u>WELL SPUD</u>
	<input 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 Operations (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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

**SPUD WELL LOCATION ON 08/04/2008 AT 1230 HRS.**

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

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

August 5, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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.

Office

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

**RECEIVED**

(Instructions on reverse)

**AUG 11 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

*Do not use this form for proposals to drill or reenter 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  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW/NE SEC. 24, T10S, R21E 905'FNL, 1648'FEL**

5. Lease Serial No.  
**UTU-01393-C**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**UNIT #891008900A  
 NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 1021-24B**

9. API Well No.  
**4304737912**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input 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"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity <input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>SET SURFACE</u> <input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <u>CSG</u> <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal
<input checked="" type="checkbox"/> Subsequent Report	
<input type="checkbox"/> Final Abandonment Notice	

13. Describe Proposed or Completed Operations (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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices 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.

MIRU PROPETRO AIR RIG ON 08/09/2008. DRILLED 12 1/4" SURFACE HOLE TO 2070'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT 240 PSI LIFT. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 3RD TOP OUT W/ 225 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL. WORT.

**RECEIVED**  
**AUG 19 2008**

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

Name (Printed/Typed)

**SHEILA UPCHEGO**

Signature



Title

**REGULATORY ANALYST**

Date

**August 13, 2008**

**DIV. OF OIL, GAS & MINING**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
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.	Office	

Title 18 U.S.C. Section 1001, 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**UTU-01393-C**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**UNIT #891008900A  
NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 1021-24B**

9. API Well No.  
**4304737912**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

**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  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW/NE SEC. 24, T10S, R21E 905'FNL, 1648'FEL**

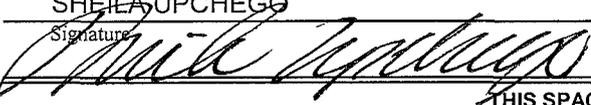
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Other <b>FINAL DRILLING OPERATIONS</b>
	<input 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 Operations (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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices 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.

FINISHED DRILLING FROM 2070' TO 8900' ON 09/24/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/350 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1285 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DROPPED PLUG & DISPLACED W/137.5 BBLS FRESH WATER @3050 PSI BUMPED PLUG @3457 PSI FLOATS HELD W/1.5 BBL RETURN.THROUGH OUT CMT JOB 10 BBLS CMT TO SURFACE LAND CASING HANGER & TEST 5000 PSI OK. NIPPLE DOWN BOP & CLEAN RIG TANKS.  
**RELEASED PIONEER RIG 54 ON 09/25/2008 AT MIDNIGHT.**

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

Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Title <b>REGULATORY ANALYST</b>
Signature 	Date <b>September 29, 2008</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by	Title	Date
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.	Office	

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

**RECEIVED**  
**OCT 06 2008**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.  
**UTU-01393-C**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 1021-24B**

9. API Well No.  
**4304737912**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

**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  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**905' FNL, 1648' FEL  
NWNE, SEC.24, T10S-R21E**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Other <b>PRODUCTION START-UP</b>
	<input 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 Operations (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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/19/2008 AT 0900 HRS.  
PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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

Name (Printed/Typed) <b>SHAILA UPCHEGO</b>	Title <b>SENIOR LAND ADMIN SPECIALIST</b>
Signature <i>Shaila Upchego</i>	Date <b>October 20, 2008</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by	Title	Date
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.	Office	

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(Instructions on reverse)

**RECEIVED**  
**OCT 27 2008**  
DIV. OF OIL, GAS & MINING

Wins No.: 95237

NBU 1021-24B

## Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 08/09/2008	GL 5,112	KB 5112	ROUTE V44
API 4304737912	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 39.93838 / -109.49612	Q-Q/Sect/Town/Range: NWNE / 24 / 10S / 21E		Footages: 905.00' FNL 1,648.00' FEL		

## Wellbore: NBU 1021-24B

MTD 8,900	TVD 8,896	PBMD 8,853	PBTVD
EVENT INFORMATION:		START DATE: 8/4/2008	AFE NO.: 2020847
EVENT ACTIVITY: DRILLING		END DATE: 9/25/2008	
OBJECTIVE: DEVELOPMENT		DATE WELL STARTED PROD.: 8/9/2008	
OBJECTIVE 2: VERTICAL WELL		Event End Status: COMPLETE	
REASON: DRILL PROD HOLE			

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	08/04/2008	08/04/2008	08/04/2008	08/04/2008	08/04/2008	08/04/2008	08/04/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
8/4/2008	12:30 - 19:00	6.50	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1230 HR 8/4/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 54 BLM AND STATE NOTIFIED OF SPUD
8/9/2008	4:30 - 12:00	7.50	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0430 HR 8/9/08 DA AT REPORT TIME 570'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1140'
8/10/2008	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD HIT WATER @ 1170' DA AT REPORT TIME 1260'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1590'
8/11/2008	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1810'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG T/D @ 2070' CONDITION HOLE 1 HR
8/12/2008	0:00 - 5:00	5.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
	5:00 - 10:00	5.00	DRLSUR	11		P	RUN 2026' OF 9 5/8 CSG HAD TO RIG UP AND CIRCULATE LAST JNT DOWN LAND CSG AND RIG DOWN AIR RIG

	10:00 - 11:00	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 350 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS TO PIT 240 PSI LIFT
	11:00 - 11:30	0.50	DRLSUR	15		P	1ST TOP JOB 100 SKS DOWN BS WOC
	11:30 - 13:00	1.50	DRLSUR	15		P	2ND TOP JOB 200 SKS DOWN BS WOC
	13:00 - 15:00	2.00	DRLSUR	15		P	3RD TOP JOB 225 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	15:00 - 15:00	0.00	DRLSUR				NO VISIBLE LEAKS PIT 1/2 FULL WORT
9/14/2008	<u>SUPERVISOR:</u> STUART NEILSON						
	18:00 - 0:00	6.00	DRLPRO	01	E	P	RDRT
9/15/2008	<u>SUPERVISOR:</u> STUART NEILSON						
	0:00 - 7:00	7.00	DRLPRO	01	E	P	RDRT
	7:00 - 19:00	12.00	DRLPRO	01	A	P	MOVE RIG & SET IN
	19:00 - 0:00	5.00	DRLPRO	01	B	P	RURT
9/16/2008	<u>SUPERVISOR:</u> KENT MOORE						
	0:00 - 14:00	14.00	MIRU	01	B	P	RURT
	14:00 - 18:00	4.00	DRLPRO	13	A	P	N/UP BOP, FLOW LINE, CHOKE LINE, SEPERATOR & FLARE LINE
	18:00 - 0:00	6.00	DRLPRO	13	C	P	TEST BOP - RAMS, KELLY, KELLY VALVES, FLOOR VALVES, CHOKE, CHOKE LINE & 4" MANUAL VALVES 250 LOW 5000 HIGH, ANNULAR 250 LOW 2500 HIGH, CASING 1500
9/17/2008	<u>SUPERVISOR:</u> KENT MOORE						
	0:00 - 1:30	1.50	DRLPRO	13	C	P	TEST BOP - BLIND RAM DOOR SEAL FAILED ON TESTING CASING - REPLACE SEAL RETEST CASING & BLIND RAM DOOR SEAL
	1:30 - 2:00	0.50	DRLPRO	13	B	P	INSTALL WEARBUSHING
	2:00 - 7:30	5.50	DRLPRO	05	A	P	HPJSM - R/UP P/UP MACHINE - P/UP BHA/DP TO 1947' - R/DN P/UP MACHINE
	7:30 - 9:30	2.00	DRLPRO	05	A	P	P/UP ROTATING HEAD RUBBER - CENTER BOP - CHECK SURFACE EQUIPMENT FOR LEAKS - KELLY HOSE CONNECTIONS LEAKING - FLOWLINE LEAKING

7:30 - 9:30	2.00	DRLPRO	05	A	P	P/UP ROTATING HEAD RUBBER - CENTER BOP - CHECK SURFACE EQUIPMENT FOR LEAKS - KELLY HOSE CONNECTIONS LEAKING - FLOWLINE LEAKING
9:30 - 10:00	0.50	DRLPRO	06	A	P	RIG SER
10:00 - 13:00	3.00	DRLPRO	02	F	P	DRILL CMT, FE & RATHOLE TO 2089'
13:00 - 14:00	1.00	DRLPRO	02	B	P	DRLG F/2089' TO 2175' ( 86' ) MW 8.4
14:00 - 14:30	0.50	DRLPRO	09	A	P	WLS - 1.33
14:30 - 20:30	6.00	DRLPRO	02	B	P	DRLG F/2175' TO 2713' ( 538' @ 89.7fph ) MW 8.6
20:30 - 21:00	0.50	DRLPRO	09	A	P	WLS - 1.16
21:00 - 0:00	3.00	DRLPRO	02	B	P	DRLG F/2713' TO 3000' ( 287' @ 95.6fph ) MW 9.2

9/18/2008

SUPERVISOR: KENT MOORE

0:00 - 2:30	2.50	DRLPRO	02	B	P	DRLG F/3000' TO 3219' ( 219' @ 87.6fph ) MW 9.3
2:30 - 3:00	0.50	DRLPRO	09	A	P	WLS - 1.07
3:00 - 9:00	6.00	DRLPRO	02	B	P	DRLG F/3219' TO 3694' ( 475' @ 79.2fph ) MW 9.4
9:00 - 9:30	0.50	DRLPRO	09	A	P	WLS - 1.96
9:30 - 13:30	4.00	DRLPRO	02	B	P	DRLG F/3694' TO 3979' ( 285' @ 71.3fph ) MW 9.4
13:30 - 14:00	0.50	DRLPRO	06	A	P	RIG SER
14:00 - 0:00	10.00	DRLPRO	02	B	P	DRLG F/3979' TO 4700' ( 721' @ 72.1fph ) MW 9.5

9/19/2008

SUPERVISOR: KENT MOORE

0:00 - 13:00	13.00	DRLPRO	02	B	P	DRLG F/4700' TO 5560' ( 860' @ 66.1fph ) MW 9.6
13:00 - 13:30	0.50	DRLPRO	06	A	P	RIG SER
13:30 - 16:30	3.00	DRLPRO	02	B	P	DRLG F/5560' TO 5687' ( 127' @ 42.3fph ) MW 9.6
16:30 - 17:00	0.50	DRLPRO	09	A	P	WLS - 2.25

16:30 - 17:00	0.50	DRLPRO	09	A	P	WLS - 2.25
17:00 - 0:00	7.00	DRLPRO	02	B	P	DRLG F/5687' TO 6035' ( 348' @ 49.7fph) MW 9.6

9/20/2008

SUPERVISOR: KENT MOORE

0:00 - 13:00	13.00	DRLPRO	02	B	P	DRLG F/6035' TO 6395' ( 360' @ 27.7fph) MW 10.0
13:00 - 13:30	0.50	DRLPRO	07	B	P	WORK ON MUD PUMP (VALVES/SEAT ON BOTH #1 & #2 PUMPS)
13:30 - 17:30	4.00	DRLPRO	05	A	P	TFNB - TIGHT F/3300' TO 2800' 40/60K O/PULL
17:30 - 18:00	0.50	DRLPRO	06	A	P	RIG SER
18:00 - 19:00	1.00	DRLPRO	07	A	P	C/OUT KELLY SPINNER ASSEMBLY
19:00 - 0:00	5.00	DRLPRO	05	A	P	RIH - BRK CIRC @ 2000' - NO HOLE PROBLEMS ON RIH

9/21/2008

SUPERVISOR: KENT MOORE

0:00 - 14:30	14.50	DRLPRO	02	B	P	DRLG F/6395' TO 7047' ( 652' @ 44.9fph) MW 10.3
14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SER
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRLG F/7047' TO 7475' ( 428' @ 47.5fph) MW 10.5

9/22/2008

SUPERVISOR: KENT MOORE

0:00 - 16:00	16.00	DRLPRO	02	B	P	DRLG F/7475' TO 8059' ( 584' @ 38.5fph) MW 10.8
16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SER
16:30 - 0:00	7.50	DRLPRO	02	B	P	DRLG F/8059' TO 8316' ( 257' @ 34.3fph) MW 11.0

9/23/2008

SUPERVISOR: KENT MOORE

0:00 - 14:00	14.00	DRLPRO	02	B	P	DRLG 8316' TO 8629' ( 313' @ 22.4fph) MW 11.0
14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SER
14:30 - 0:00	9.50	DRLPRO	02	B	P	DRLG F/8629' TO 8823' ( 194' @ 20.4fph) MW 11.2

9/24/2008

SUPERVISOR: KENT MOORE

0:00 - 3:00	3.00	DRLPRO	02	B	P	DRLG F/8823' TO 8900 ( 77' @ 25.7fph) MW 11.2
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Wins No.: 95237

NBU 1021-24B

API No.: 4304737912

0:00 - 3:00	3.00	DRLPRO	02	B	P	DRLG F/8623' TO 8900 ( 77' @ 25.7fph) MW 11.2
3:00 - 3:30	0.50	DRLPRO	04	C	P	CIRC
3:30 - 4:30	1.00	DRLPRO	07	B	P	REPAIR MUD PUMPS
4:30 - 6:00	1.50	DRLPRO	04	C	P	CIRC
6:00 - 12:30	6.50	DRLPRO	05	E	P	W/TRIP TO 9 5/8 CSG SHOE - WORK TIGHT AREA @ 2640'
12:30 - 13:30	1.00	DRLPRO	04	A	P	CIRC - HPJSM - R/UP L/DN MACHINE
13:30 - 21:30	8.00	DRLPRO	05	A	P	LDDP/BHA - RETRIEVE WEARBUSHING
21:30 - 0:00	2.50	DRLPRO	08	A	P	HPJSM - R/UP BAKER ATLAS - RUN TRIPLE COMBO

9/25/2008

SUPERVISOR: KENT MOORE

0:00 - 5:00	5.00	DRLPRO	08	A	P	RUN TRIPLE COMBO TO LOGGES TD @ 8882'
5:00 - 15:00	10.00	CSG	11	B	P	HPJSM, R/UP CASING CREW - RUN 212 JTS 4 1/2 PROD CASING TO 8898' - (WASH F/8865' TO 8898') -
15:00 - 16:30	1.50	CSG	04	A	P	CIRC
16:30 - 19:30	3.00	CSG	15	A	P	HPJSM - R/UP BJ - TEST LINES 5000 - CEMENT 4.5 PROD CASING - PUMP 20 BBLs MUD CLEAN, 20 SKS SCAVENGER 9.5 ppg 8.45 YIELD, 350 SKS LEAD 11.0 ppg 3.38 YIELD, 1285 SKS TAIL 14.3 ppg 1.31 YIELD, DROPPED PLUG & DISPLACED W/137.5 BBLs FRESH WATER @ 3050 PSI - BUMPED PLUG @ 3457 PSI - FLOATS HELD W/1.5 BBL RETURN - GOOD RETURNS THROUGH CEMENT JOB - 10 BBLs CEMENT TO SURFACE
19:30 - 20:30	1.00	CSG	11	B	P	LAND CASING HANGER & TEST 5000 PSI "OK"
20:30 - 0:00	3.50	CSG	13	A	P	N/DN BOP & CLEAN RIG TANKS - RELEASE RIG @ 00:00 HRS 9/25/08 - RESERVE PIT 1/2 - LINER OK - NO VISABLE LEAKS

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 10/13/2008 AFE NO.: 2020847  
 OBJECTIVE: DEVELOPMENT END DATE: 10/16/2008  
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.: 8/9/2008  
 REASON: MV Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location  
 10/13/2008

MILES 3 / 3

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
10/13/2008	SUPERVISOR: GARTH McCONKIE						
	7:00 - 7:15	0.25	COMP	48		P	DAY 1 - JSA & SM #1
	7:15 - 15:30	8.25	COMP	31	I	P	WHP = 0 PSI.  MIRU, SPOT EQUIP. NDWH, NUBOP. R/U FLOOR & TBG EQUIP.  P/U 3 7/8" MILL & BIT SUB. RIH ON 212 JTS NEW 2 3/8" 4.7# J55 TBG. EOT @ 6655'.  POOH W/TBG & STD BK IN DRK. L/D MILL & BIT SUB. NDBOP, NU FRAC VALVES.  15:30 SWI - SDFN. PREP WELL TO FRAC IN AM.

10/14/2008	SUPERVISOR: GARTH McCONKIE						
	7:00 - 7:15	0.25	COMP	48		P	DAY 2 - JSA & SM #2
	7:15 - 8:00	0.75	COMP	47	C	P	WHP = 0 PSI. REPLACE FLANGE BOLT ON WELL HEAD.
	8:00 - 8:45	0.75	COMP	33	C	P	MIRU B & C QUICK TEST. PT CSG & FRAC VALVES TO 7500 PSI. (GOOD TEST). RDMO B & C QUICK TEST.
	8:45 - 10:00	1.25	COMP	37	B	P	MIRU CUTTERS WIRELINE. STG #1) RIH W/3 3/8" GNS, 23 GRM, 0.36 HOLE, 120 DEG PHSG. PERF THE M.V. @ 8524' - 28', 3 SPF, 8480' - 88', 3 SPF, 8402' - 04', 3 SPF, 42 HOLES.
	10:00 - 15:15	5.25	COMP	46	F	S	MIRU BJ SERVICES. WAITING ON BJ TO GET RIGGED UP TO PUMP.
	15:15 - 16:10	0.92	COMP	36	E	P	STG #1) WHP = 312 PSI. BRK DWN PERF 4.7 BPM @ 4468 PSI. ISIP = 3150 PSI, FG = 0.82. PMP 250 BBLS 51.3 BPM @ 5600 PSI. 42/42 PERFS OPEN - 100%. MP 5760 PSI, MR 53.8 BPM, AP 5404 PSI, AR 48.3 BPM. ISIP = 2846 PSI, FG = 0.78. NPI = (-340) PSI, PMPD 2150 BBLS SLK WTR. 76,668 LBS OTTOWA SND, 4,682 LBS TLC SND, 81,350 LBS TOTAL SAND, 250 GAL 15% HCL.
	16:10 - 16:50	0.67	COMP	37	B	P	STG #2) RIH W/3 3/8" GNS, 23 GRM, 0.36 HOLE, 90 & 120 DEG PHSG. SET BAKER 8K CBP @ 8350'. PERF THE M.V. @ 8314' - 20', 4 SPF, 8136' - 42', 3 SPF, 42 HOLES.
	17:39 - 18:50	1.18	COMP	36	E	P	STG #2) WHP = 830 PSI. BRK DWN PERF 3.7 BPM @ 5291 PSI. ISIP = 2992 PSI, FG = 0.81. PMP 250 BBLS 40.8 BPM @ 4650 PSI. 42/42 PERFS OPEN - 100%. 169 BBLS INTO PAD SHUT DWN - LEAK ON WH BETWEEN BJ HEAD & F.V. (RESTART JOB FROM START OF PAD). MP 5038 PSI, MR 41.5 BPM, AP 4561 PSI, AR 41 BPM. ISIP = 2789 PSI, FG = 0.79. NPI = (-203) PSI, PMPD 2946 BBLS SLK WTR. 101,270 LBS OTTOWA SND, 6,658 LBS TLC SND, 107,928 LBS TOTAL SAND, 250 GAL 15% HCL.
	18:50 - 19:15	0.42	COMP	46		P	SWI - SDFN. PREP WELL TO CONT. FRAC IN AM

10/15/2008	SUPERVISOR: GARTH McCONKIE						
	7:00 - 7:15	0.25	COMP	48		P	DAY 3 - JSA & SM #3
	7:15 - 7:50	0.58	COMP	37	B	P	WHP = 2200 PSI. STG #3) RIH W/3 3/8" GNS, 23 GRM, 0.36 HOLE, 120 DEG PHSG. SET BAKER 8K CBP @ 7802'. PERF THE M.V. @ 7766' - 72', 3 SPF, 7700' - 05', 3 SPF, 7588' - 91', 3 SPF, 42 HOLES.
	7:50 - 9:12	1.37	COMP	46	F	Z	WAITING ON BJ TO ARRIVE ON LOCATION. HAD TO SWAP OUT PUMP FROM PREVIOUS DAY.
	9:12 - 9:50	0.63	COMP	36	E	P	STG #3) WHP = 338 PSI. BRK DWN PERF 4.3 BPM @ 4746 PSI. ISIP = 2224 PSI, FG = 0.74. PMP 125 BBLS 52.1 BPM @ 4500 PSI. 42/42 PERFS OPEN - 100%. MP 4322 PSI, MR 52.8 BPM, AP 4098 PSI, AR 52.3 BPM. ISIP = 2553 PSI, FG = 0.78. NPI = 329 PSI, PMPD 1508 BBLS SLK WTR. 54,523 LBS OTTOWA SND, 5,700 LBS TLC SND, 60,223 LBS TOTAL SAND, 250 GAL 15% HCL.

Wins No.: 95237

NBU 1021-24B

API No.: 4304737912

9:50 - 10:35	0.75	COMP	37	B	P	STG #4) RIH W/3 3/8" GNS, 23 GRM, 0.36 HOLE, 120 DEG PHSG. SET BAKER 8K CBP @ 7437'. PERF THE M.V. @ 7400' - 07', 3 SPF, 7328' - 31', 3 SPF, 7244' - 48', 3 SPF, 42 HOLES.
10:35 - 12:15	1.67	COMP	46	F	S	WAITING ON BJ TO GET SAND ON LOCATION TO CONT. TO FRAC.
12:15 - 14:10	1.92	COMP	36	E	P	STG #4) WHP = 266 PSI. BRK DWN PERF 1.5 BPM @ 7297 PSI. ISIP = 2594 PSI, FG = 0.80. PMP 530 BBLS 45 BPM @ 6900 PSI. 12/42 PERFS OPEN - 29%. 295 BBLS IN PMP 3 BBLS 15% HCL. (NO PSI BRK @ PERFS). 1120 BBLS IN INCR. FR TO 1/M. 400# DROP IN PRES. 2980 BBLS IN - END OF SWEEP - 50.4 BPM @ 5620 PSI 21/42 PERFS OPEN - 50%. STG PMPD TO COMPLETION. MP 6943 PSI, MR 50.5 BPM, AP 6164 PSI, AR 46.2 BPM. ISIP = 2915 PSI, FG = 0.85. NPI = 321 PSI, PMPD 4116 BBLS SLK WTR. 149,354 LBS OTTOWA SND, 5,816 LBS TLC SND, 155,170 LBS TOTAL SAND, 325 GAL 15% HCL
14:10 - 15:00	0.83	COMP	37	B	P	STG #5) RIH W/3 3/8" GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET BAKER 8K CBP @ 7187'. PERF THE M.V. @ 7160' - 64', 4 SPF, 7076' - 82', 4 SPF, 40 HOLES.
15:00 - 15:41	0.68	COMP	36	E	P	STG #5) WHP = 213 PSI. BRK DWN PERF 4.3 BPM @ 5481 PSI. ISIP = 2520 PSI, FG = 0.80. PMP 110 BBLS 51.4 BPM @ 4500 PSI. 40/40 PERFS OPEN - 100%. MP 4648 PSI, MR 51.6 BPM, AP 4549 PSI, AR 51.4 BPM. ISIP = 3120 PSI, FG = 0.89. NPI = 600 PSI, PMPD 1478 BBLS SLK WTR. 52,854 LBS OTTOWA SND, 6,176 LBS TLC SND, 59,030 LBS TOTAL SAND, 250 GAL 15% HCL.
15:41 - 16:25	0.73	COMP	37	B	P	STG #6) RIH W/3 3/8" GNS, 23 GRM, 0.36 HOLE, 90 DEG PHSG. SET BAKER 8K CBP @ 6996'. PERF THE M.V. @ 6960' - 66', 3 SPF, 6901' - 06', 3 SPF, 6787' - 90'. 3 SPF, 42 HOLES.
16:25 - 16:25	0.00	COMP	36	E	P	STG #6) WHP = 710 PSI. BRK DWN PERF 4 BPM @ 3265 PSI. ISIP = 2289 PSI, FG = 0.78. PMP 120 BBLS 51.2 BPM @ 4540 PSI. 40/42 PERFS OPEN - 95%. MP 4569 PSI, MR 52.0 BPM, AP 4399 PSI, AR 51.6 BPM. ISIP = 3016 PSI, FG = 0.89. NPI = 727 PSI, PMPD 1599 BBLS SLK WTR. 56,287 LBS OTTOWA SND, 7,522 LBS TLC SND, 63,831 LBS TOTAL SAND. KILL PLUG) RIH SET BAKER 8K CBP @ 6737'. 18:30 SWI - SDFN. PREP WELL TO DRLG 6 CBP's IN AM.
			37			

10/16/2008

SUPERVISOR: GARTH McCONKIE

7:00 - 7:15

0.25

COMP

48

P

DAY 4 - JSA &amp; SM #4

7:15 - 17:30

10.25

COMP

44

C

P

WHP = 0 PSI. R/D FLOOR, N/D FRAC VALVES, NUBOP, R/U FLOOR & TBG EQUIP.  
 PU 3 7/8" BIT, POBS & XN NIPPLE. RIH ON NEW 2 3/8" 4.7# J55 TBG. TAG FILL @ 6722'.  
 R/U PWR SWVL & RIG PMP. EST. CIRC. W/2% KCL WTR. P/T BOP TO 3000 PSI. C/O 15' OF SND. CBP @ 6737'.

CBP #1) DRLG OUT BAKER 8K CBP @ 6737' IN 10 MIN. 300 PSI INCR. RIH TAG SND @ 6966'. C/O 30' OF SND. 50 PSI DIFF.

CBP #2) DRLG OUT BAKER 8K CBP @ 6996' IN 10 MIN. 500 PSI INCR. RIH TAG SND @ 7157'. C/O 30' OF SND. 150 PSI DIFF.

CBP #3) DRLG OUT BAKER 8K CBP @ 7187' IN 20 MIN. 300 PSI INCR. RIH TAG SND @ 7407'. C/O 30' OF SND. 100 PSI DIFF.

CBP #4) DRLG OUT BAKER 8K CBP @ 7437' IN 10 MIN. 500 PSI INCR. RIH TAG SND @ 7772'. C/O 30' OF SND. 200 PSI DIFF.

CBP #5) DRLG OUT BAKER 8K CBP @ 7802' IN 10 MIN. 200 PSI INCR. RIH TAG SND @ 8320'. C/O 30' OF SND. 250 PSI DIFF.

CBP #6) DRLG OUT BAKER 8K CBP @ 8350' IN 10 MIN. 100 PSI INCR. RIH TAG SND @ 8788'. C/O 65' OF SND. 250 PSI DIFF. PBTD @ 8853'. CIRC WELL CLEAN.

RD PWR SWVL. POOH & LD 25 JTS ON FLOAT. LAND TBG ON HANGER W/258 JTS NEW 2 3/8" 4.7# J55 TBG. EOT @ 8079.71'. POBS & XN NIPPLE @ 8101.74'.

R/D FLOOR & TBG EQUIP. FCP = 250 PSI. NDBOP, DROP BALL, NUWH. PMP OFF BIT @ 2000 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. OPEN WELL TO F.B.T. ON 20 CHOKE. FTP = 0000 PSI. SICP = 1250 PSI.

15:30 TURN WELL TO FLOWBACK CREW.  
 LTR = 11,551 BBLS.  
 R/D SERVICE UNIT. ROAD RIG TO NBU 420.  
 17:30 SDFN.

10/17/2008	<u>SUPERVISOR:</u> GARTH McCONKIE								
	7:00 -		33	A					7 AM FLBK REPORT: CP 1400#, TP 1375#, 20/64" CK, 50 BWPH, TRACE SAND, MED. GAS TTL BBLS RECOVERED: 3435 BBLS LEFT TO RECOVER: 10716
10/18/2008	<u>SUPERVISOR:</u> RANDY BROTHERSON								
	7:00 -		33	A					7 AM FLBK REPORT: CP 1200#, TP 1450#, 20/64" CK, 45 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 4576 BBLS LEFT TO RECOVER: 9575
10/19/2008	<u>SUPERVISOR:</u> RANDY BROTHERSON								
	9:00 -	PROD							WELL TURNED TO SALES @ 0900 HR ON 10/19/2008 - FTP 1650#, CP 1900#, CK 20/64". 700 MCFD. 688 BWPD
10/19/2008	<u>SUPERVISOR:</u> RANDY BROTHERSON								
	7:00 -		33	A					7 AM FLBK REPORT: CP 1700#, TP 1500#, 20/64" CK, 37 BWPH, TRACE SAND, MED GAS TTL BBLS RECOVERED: 5537 BBLS LEFT TO RECOVER: 8914
10/20/2008	<u>SUPERVISOR:</u> RANDY BROTHERSON								
	7:00 -		33	A					7 AM FLBK REPORT: CP 2350#, TP 1600#, 20/64" CK, 21 BWPH, CLEAN SAND, 1000 GAS TTL BBLS RECOVERED: 6154 BBLS LEFT TO RECOVER: 7997

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU01393C

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

2. Name of Operator **KERR-MCGEE OIL & GAS ONSHORE** Contact: **SHEILA UPCHEGO**  
 Mail: **sheila.upchegeo@anadarko.com**

3. Address **1368 SOUTH 1200 EAST** 3a. Phone No. (include area code)  
**VERNAL, UT 84078** Ph: **435-781-7024**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **NWNE 905FNL 1648FEL**  
 At top prod interval reported below **NWNE 905FNL 1648FEL**  
 At total depth **NWNE 905FNL 1648FEL**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
 7. Unit or CA Agreement Name and No.  
**UNIT #891008900A**  
 8. Lease Name and Well No.  
**NBU 1021-24B**  
 9. API Well No. **43-047-37912**  
 10. Field and Pool, or Exploratory  
**NATURAL BUTTES**  
 11. Sec., T., R., M., or Block and Survey  
 or Area **Sec 24 T10S R21E Mer SLB**  
 12. County or Parish **UINTAH** 13. State **UT**  
 17. Elevations (DF, KB, RT, GL)\*  
**5122 GL**

14. Date Spudded **08/04/2008** 15. Date T.D. Reached **09/24/2008** 16. Date Completed  
 D & A  Ready to Prod.  
**10/19/2008**

18. Total Depth: MD **8900** TVD \_\_\_\_\_ 19. Plug Back T.D.: MD **8853** TVD \_\_\_\_\_  
 20. Depth Bridge Plug Set: MD \_\_\_\_\_ TVD \_\_\_\_\_

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL-CCL-GR, Comp 2, CN, Cell, ITDI**

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2070		875			
7.875	4.500 I-80	11.6		8900		1635			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8080							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	6787	8528	6787 TO 8528	0.360	250	OPEN
B) <b>WSMVD</b>						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6787 TO 8528	PMP 13,795 BBLs SLICK H2O & 527,541# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/19/2008	10/24/2008	24	→	20.0	1552.0	670.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18/64	1397 ST	2273.0	→	20	1552	670		PGW	

28a. Production - Interval B

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	958				
MAHOGANY	1084				
WASATCH	4122	6637			
MESAVERDE	6758	8646			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

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

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

Electronic Submission #65580 Verified by the BLM Well Information System.  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

RECEIVED  
DEC 18 2008

Name (please print) SHEILA UPCHEGO Title OPERATIONS

Signature  Date 12/15/2008

DIV. OF OIL, GAS & MINING

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01393C
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3b. Phone No. (include area code) Ph: 435-781-7024		8. Well Name and No. NBU 1021-24B
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T10S R21E NWNE 905FNL 1648FEL		9. API Well No. 43-047-37912
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input 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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.)

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE WASATCH FORMATION. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH FORMATION ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

**RECEIVED**  
**JAN 27 2009**

**DIV. OF OIL, GAS & MINING**

**COPY SENT TO OPERATOR**

Date: 2.24.2009

Initials: KS

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

**Electronic Submission #66510 verified by the BLM Well Information System  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal**

Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature <i>[Handwritten Signature]</i>	Date 01/21/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>[Handwritten Signature]</i>	Title <u>Pet Eng.</u>	Date <u>2/17/09</u>
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.		Federal Approval Of This Action Is Necessary
Office <u>DOGUM</u>		

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.

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

*+ Cause 173-14*

**Name:** NBU 1021-24B  
**Location:** NW NE Sec 24 T10S R21E  
**Uintah County, UT**  
**Date:** 01/08/2009

**ELEVATIONS:** 5112 GL 5131 KB

**TOTAL DEPTH:** 8900 **PBTD:** 8853  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2045'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 8898'  
 Marker Joint 4109-4130'

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

958' Green River  
 1171' Birds Nest  
 1684' Mahogany  
 4122' Wasatch  
 6758' Mesaverde  
 Estimated T.O.C. from CBL @2000

**GENERAL:**

- A minimum of 12 tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 9/24/2008
- 3 fracturing stages required for coverage.
- Procedure calls for CBP's (8000 psi) and 1 Flow Through Plug
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure 6200 psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~8106'
- Originally completed on 10/15/2008

**Existing Perforations:**

MESAVERDE 6787	6790	3	9
MESAVERDE 6901	6906	3	15
MESAVERDE 6960	6966	3	18
MESAVERDE 7076	7082	4	24
MESAVERDE 7160	7164	4	16
MESAVERDE 7244	7248	3	12
MESAVERDE 7328	7331	3	9
MESAVERDE 7400	7407	3	21
MESAVERDE 7588	7591	3	9
MESAVERDE 7700	7705	3	15
MESAVERDE 7766	7772	3	18
MESAVERDE 8136	8142	3	18
MESAVERDE 8314	8320	4	24
MESAVERDE 8402	8404	3	6
MESAVERDE 8480	8488	3	24
MESAVERDE 8524	8528	3	12

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8106'). Visually inspect for scale and consider replacing if needed.
3. P/U a mill and C/O to 8853'.
4. Set 8000 psi Flow Through Plug at ~ 6650'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
WASATCH	6630	6640	4	40
# of Perfs/stage				40
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6580' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~5671'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
WASATCH	5500	5502	4	8
WASATCH	5557	5562	4	20
WASATCH	5638	5641	4	12

# of Perfs/stage

40

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5450' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~5220'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5178	5181	4	12
WASATCH	5183	5190	4	28
# of Perfs/stage				40
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5128' flush only with recycled water. PLEASE NOTE RATE IS 40 BPM
11. Set 8000 psi CBP at~5128'.
12. TIH with 3 7/8" mill, sliding sleeve, SN and tubing.
13. Mill plugs (DO NOT DRILL FLOW THROUGH PLUG @ 6650') and clean out to 6650. Land tubing at ±5470' and open sleeve unless indicated otherwise by the well's behavior. This well will be commingled at this time.
14. RDMO
15. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.
16. MIRU
17. Mill Flow Through plug and commingle well. Land tubing at ~8106'
18. RDMO

**For design questions, please call**  
**Lisa Weber, Denver, CO**  
**(303)-242-6031 (Cell)**  
**(720)-946-2545 (Office)**

**For field implementation questions, please call**  
**Robert Miller, Vernal, UT**  
**4350781 7041 (Office)**

NOTES:

**NBU 1021-24B**  
**Perforation and CBP Summary**

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	6630	6640	4	40	6630	to	6638
	# of Perfs/stage				40	CBP DEPTH	5,671	
2	WASATCH	5500	5502	4	8	5497	to	5505
	WASATCH	5557	5562	4	20	5544	to	5564
	WASATCH	5638	5641	4	12	5565	to	5569
	WASATCH		No Perfs			5636	to	5643
	# of Perfs/stage				40	CBP DEPTH	5,220	
3	WASATCH	5178	5181	4	12	5178	to	5181
	WASATCH	5183	5190	4	28	5183	to	5190
	# of Perfs/stage				40	CBP DEPTH	5,128	
Totals					120			





<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01393-C
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 1021-24B
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047379120000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6100
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0905 FNL 1648 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 24 Township: 10.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/3/2015</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="PIPELINE RE-ROUTE"/>

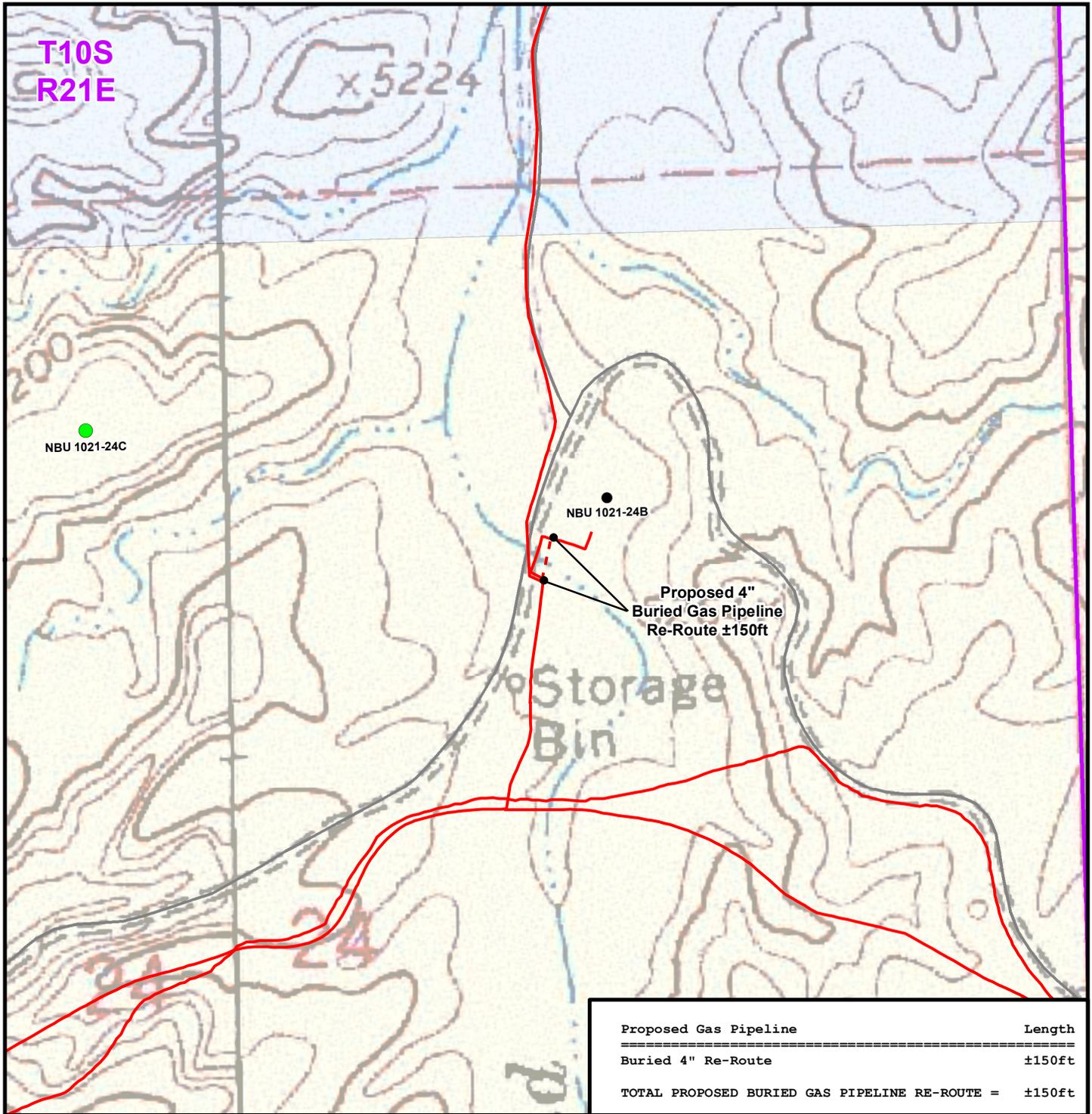
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to remove the 4 inch surface gas pipeline that spans the wash near NBU 1021-24B pad, trench across the wash and install a buried 4 inch gas pipeline. This will prevent the surface line from washing-out due to heavy rains. The approximate length of the pipeline to be buried is 150 ft. The attached Topo D2 and imaps exhibit depict the area in detail. Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 March 04, 2015**

<b>NAME (PLEASE PRINT)</b> Kristina Geno	<b>PHONE NUMBER</b> 720 929-6824	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/2/2015	

K:\ANADARKO\2012\2012\_10\_NBU\_AS-BUILTS\_MISC\GIS\NBU 1021-24B WASH CROSSING\NBU 1021-24B WASH CROSSING RE-ROUTE\_TOPO\_D.mxd/1/30/2015 12:38:06 PM



Proposed Gas Pipeline	Length
Buried 4" Re-Route	±150ft
<b>TOTAL PROPOSED BURIED GAS PIPELINE RE-ROUTE = ±150ft</b>	

**Legend**

- Well - Proposed    ■ Well Pad - Proposed    - - - Gas Pipeline - Proposed    - - - Liquid Pipeline - Proposed    - - - Road - Proposed    Bureau of Land Management
- Well - Existing    ■ Well Pad - Existing    - - - Gas Pipeline - To Be Upgraded    - - - Liquid Pipeline - Existing    - - - Road - Existing    Indian Reservation
- - - Gas Pipeline - Existing    State
- Private

**NBU 1021-24B**

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**PIPELINE EXHIBIT**  
**LOCATED IN SECTION 24, T10S, R21E,**  
**S.L.B.&M., UINTAH COUNTY, UTAH**

**Kerr-McGee Oil &  
 Gas Onshore L.P.**

1099 18th Street  
 Denver, Colorado 80202



**CONSULTING, LLC**  
 1095 Saberton Avenue  
 Sheridan, Wyoming 82801  
 Phone 307-674-0609  
 Fax 307-674-0182



SCALE: 1" = 500ft	NAD83 USP Central	SHEET NO: <span style="font-size: 2em; font-weight: bold;">1</span> OF 1
DRAWN: CPS	DATE: 30 Jan 2015	
REVISED:	DATE:	

**NBU 1021-24B Wash Crossing**

