

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01191-A
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 1022-5N-2
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SESW 1228'FSL, 1980'FWL <i>39. 974064</i> At proposed prod. Zone <i>631055 X</i> <i>4425796 Y -109.465333</i>		9. API Well No. <i>43047-38521</i>
14. Distance in miles and direction from nearest town or post office* 23 MILES SOUTHEAST OF OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1228'	16. No. of Acres in lease 1363.21	11. Sec., T., R., M., or Blk, and Survey or Area SEC. 5, T10S, R22E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 9120'	12. County or Parish UINTAH
20. BLM/BIA Bond No. on file BOND NO: WY-2357	13. State UTAH	17. Spacing Unit dedicated to this well 20.00
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5241'UNGRADED GL	22. Approximate date work will start*	23. Estimated duration

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 8/23/2006
Title REGULATORY ANALYST		
Approved by Signature 	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL MANAGER	Date 08-29-06
Title	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.

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)

RECEIVED

AUG 28 2006

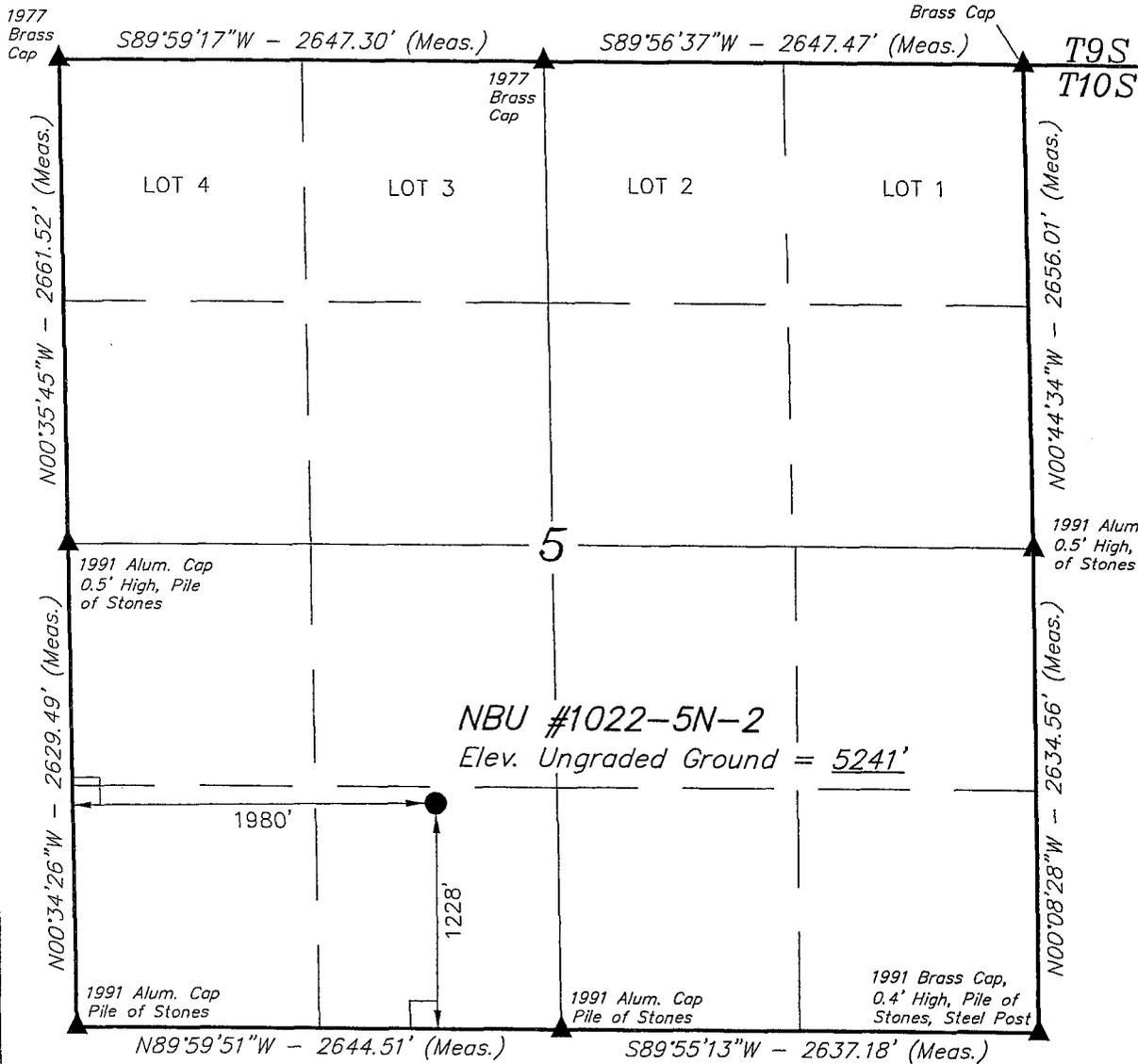
DIV. OF OIL, GAS & MINING

Federal Approval of this action is Necessary

T10S, R22E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-5N-2, located as shown in the SE 1/4 SW 1/4 of Section 5, T10S, R22E, S.L.B.&M. Uintah County, Utah.

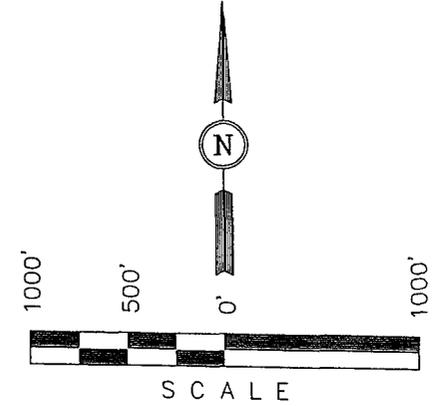


BASIS OF ELEVATION

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

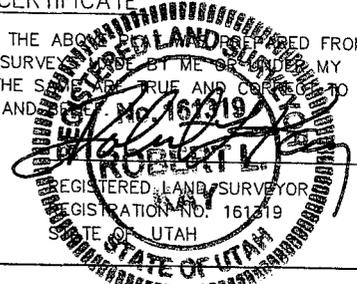
BASIS OF BEARINGS

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE DESCRIBED WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 161319



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

- LEGEND:**
- = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 39°58'26.76" (39.974100)
 LONGITUDE = 109°27'57.85" (109.466069)
 (NAD 27)
 LATITUDE = 39°58'26.88" (39.974133)
 LONGITUDE = 109°27'55.39" (109.465386)

SCALE 1" = 1000'	DATE SURVEYED: 04-11-06	DATE DRAWN: 04-12-06
PARTY T.A. S.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU #1022-5N-2
NWSESW SEC 5-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01191-A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1304'
Top of Birds Nest Water	1641'
Mahogany	2269'
Wasatch	4498'
Mesaverde	7032'
MVU2	7978'
MVL1	8538'
TD	9120'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1304'
	Top of Birds Nest Water	1641'
	Mahogany	2269'
Gas	Wasatch	4498'
Gas	Mesaverde	7032'
Gas	MVU2	7978'
Gas	MVL1	8538'
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 9120' TD, approximately equals 5654 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3648 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

Please 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 2150	32.30	H-40	STC	0.66*****	1.36	4.18
PRODUCTION	4-1/2"	0 to 9120	11.60	I-80	LTC	2.26	1.16	201000

- 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 3447 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	Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized					
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	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	3,990'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	440	60%	11.00	3.38
	TAIL	5,130'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1440	60%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

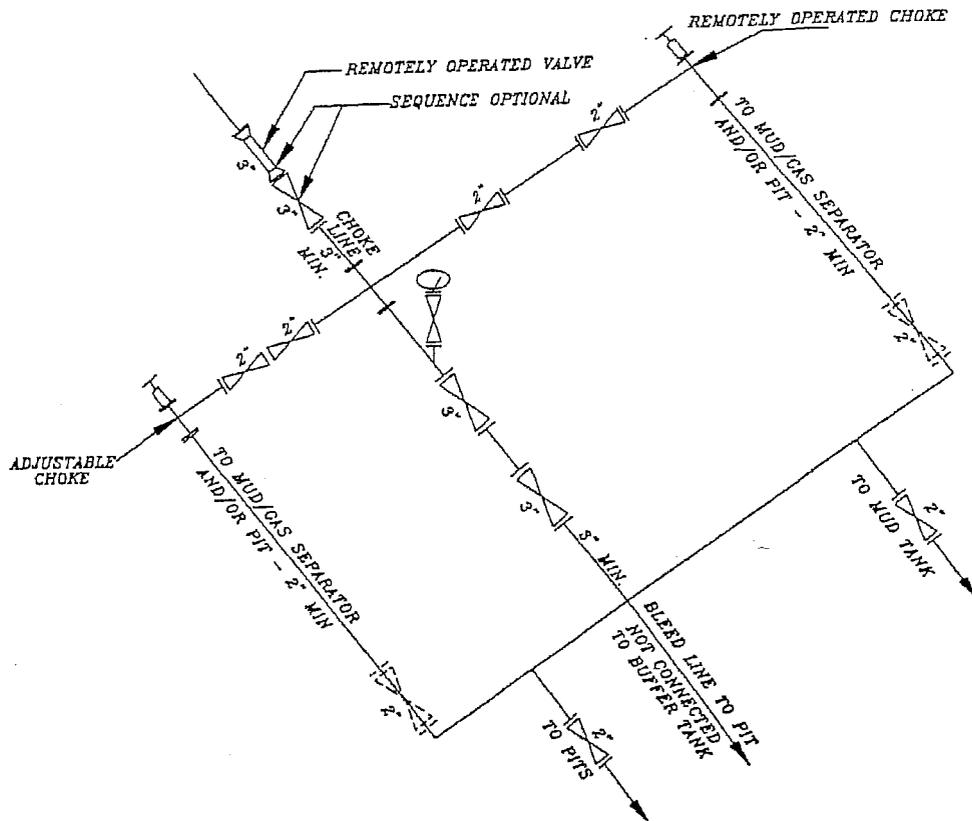
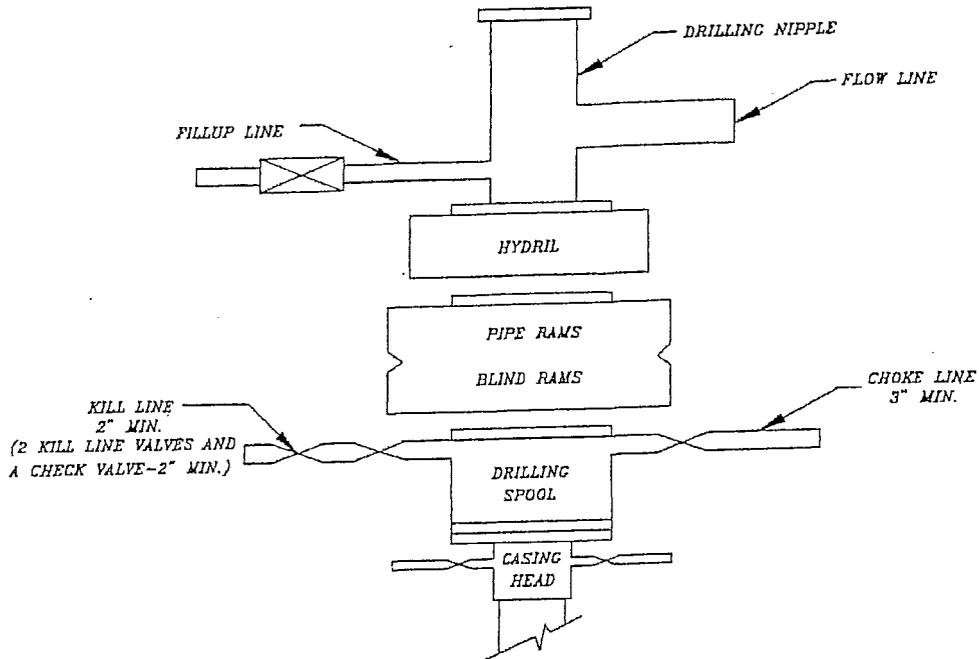
ADDITIONAL INFORMATION

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: _____
 Randy Bayne

DATE: _____
 DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU #1022-5N-2
NWSESW SEC 5-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01191-A

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

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

2. **Planned Access Roads:**

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

Approximately 140' +/- of re-route access road is proposed. Please refer to the attached 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.

Approximately 1600' +/- of 4" pipeline is proposed to tie-in to an existing pipeline is proposed. Refer to Topo Map D.

Variances to Best Management Practices (BMPs) Requested:

The pipeline shall 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.

A 20 mil reserve pit liner with felt will be used. As discussed at the on-site inspection.

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:

Galletta Grass	20 lbs.
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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. Other Information:

A Class III Archaeological Survey Report No. 06-164, completed on May 3, 2006 for the well location; also, a Archaeological Survey Report No. 06-363 completed on July 31, 2006 for the pipeline. Submitted along with the Application for Permit to Drill. The paleontological survey have been performed and will be filed when received by our office.

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 with the boundaries of the unit.

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

Sheila Ucphego
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 #WY-2357.

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

8/23/2006

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-5N-2
SECTION 5, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 5.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.0 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5N-2

LOCATED IN UINTAH COUNTY, UTAH

SECTION 5, T10S, R22E, S.L.B.&M.

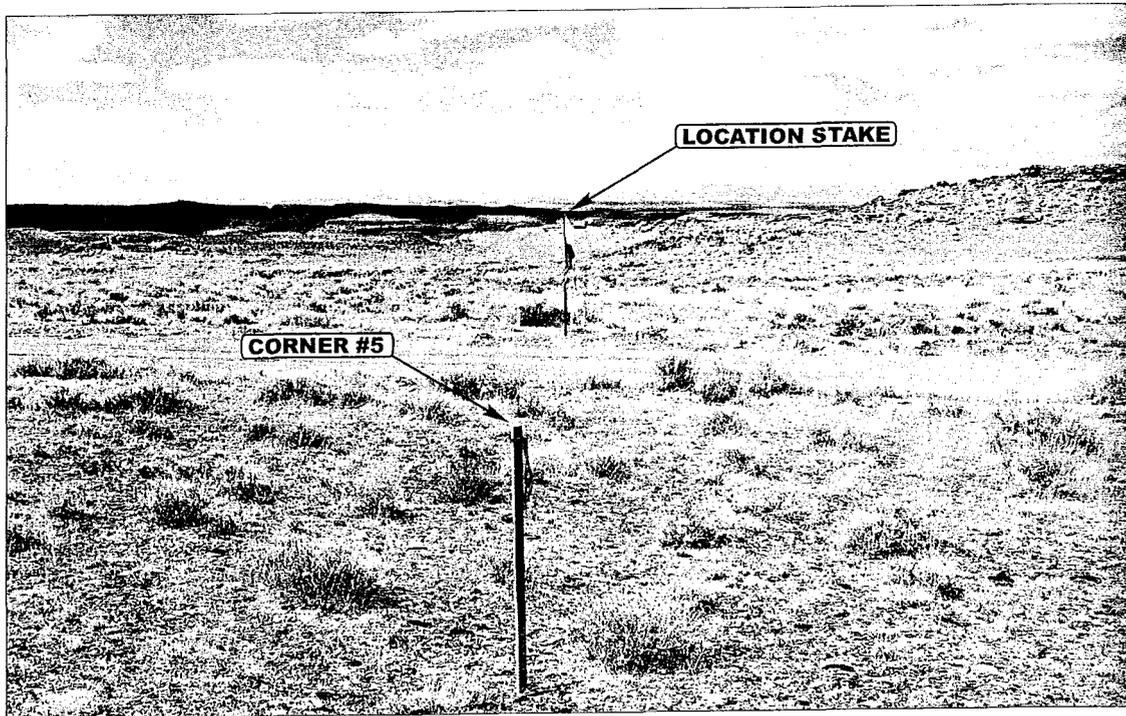


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

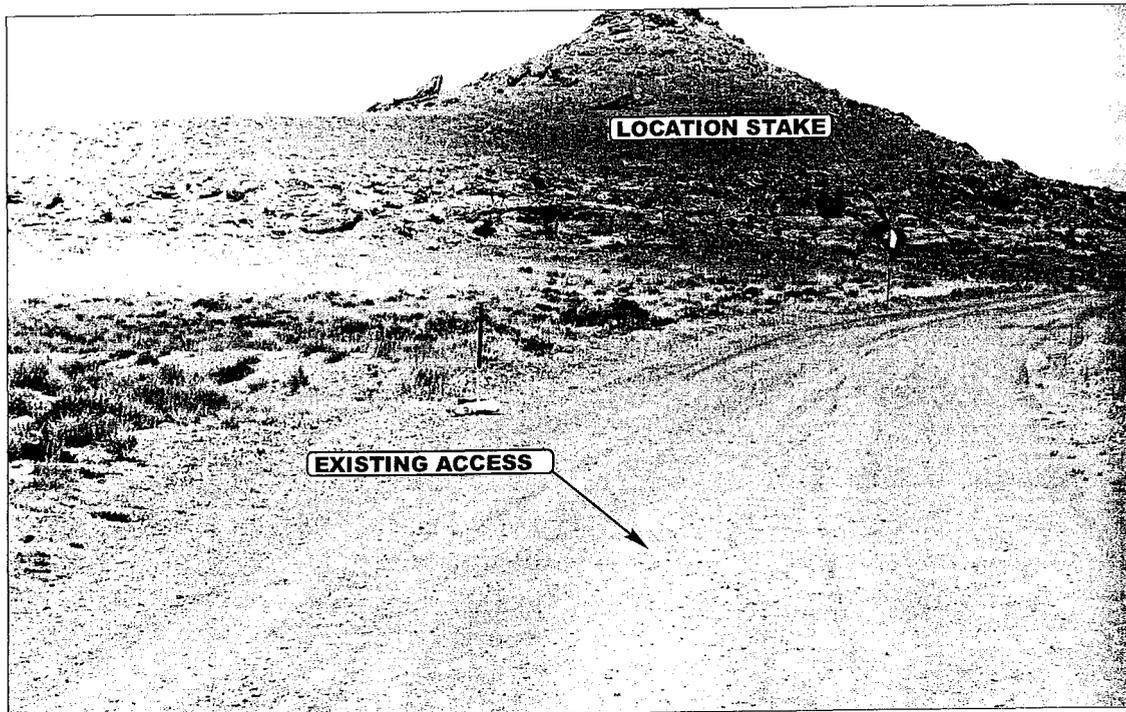


PHOTO: VIEW FROM EXISTING ACCESS

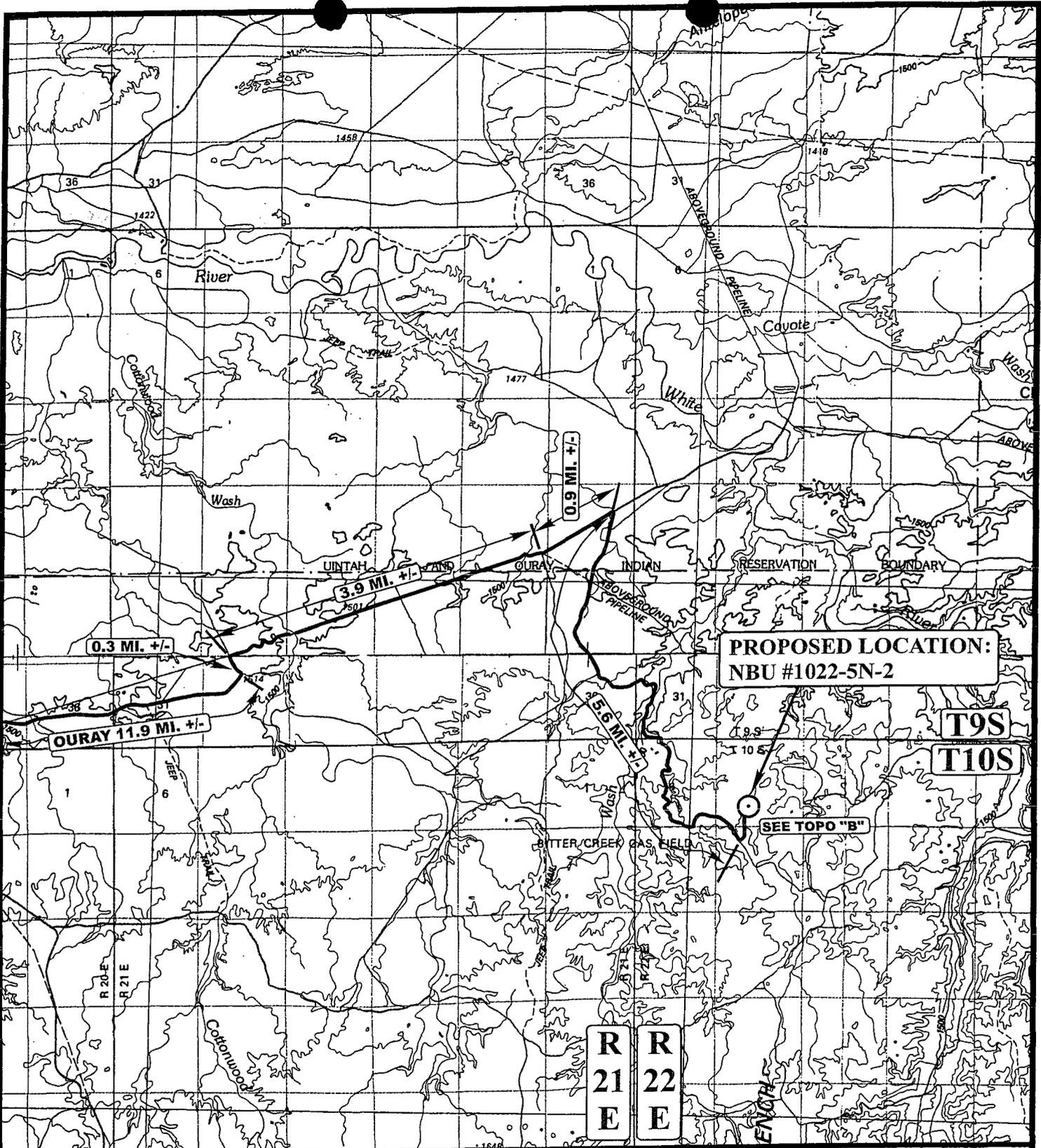
CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

LOCATION PHOTOS			04	12	06	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: T.A.	DRAWN BY: LDK	REVISED: 00-00-00				



LEGEND:

⊙ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5N-2

SECTION 5, T10S, R22E, S.L.B.&M.

1228' FSL 1980' FWL



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

TOPOGRAPHIC
MAP

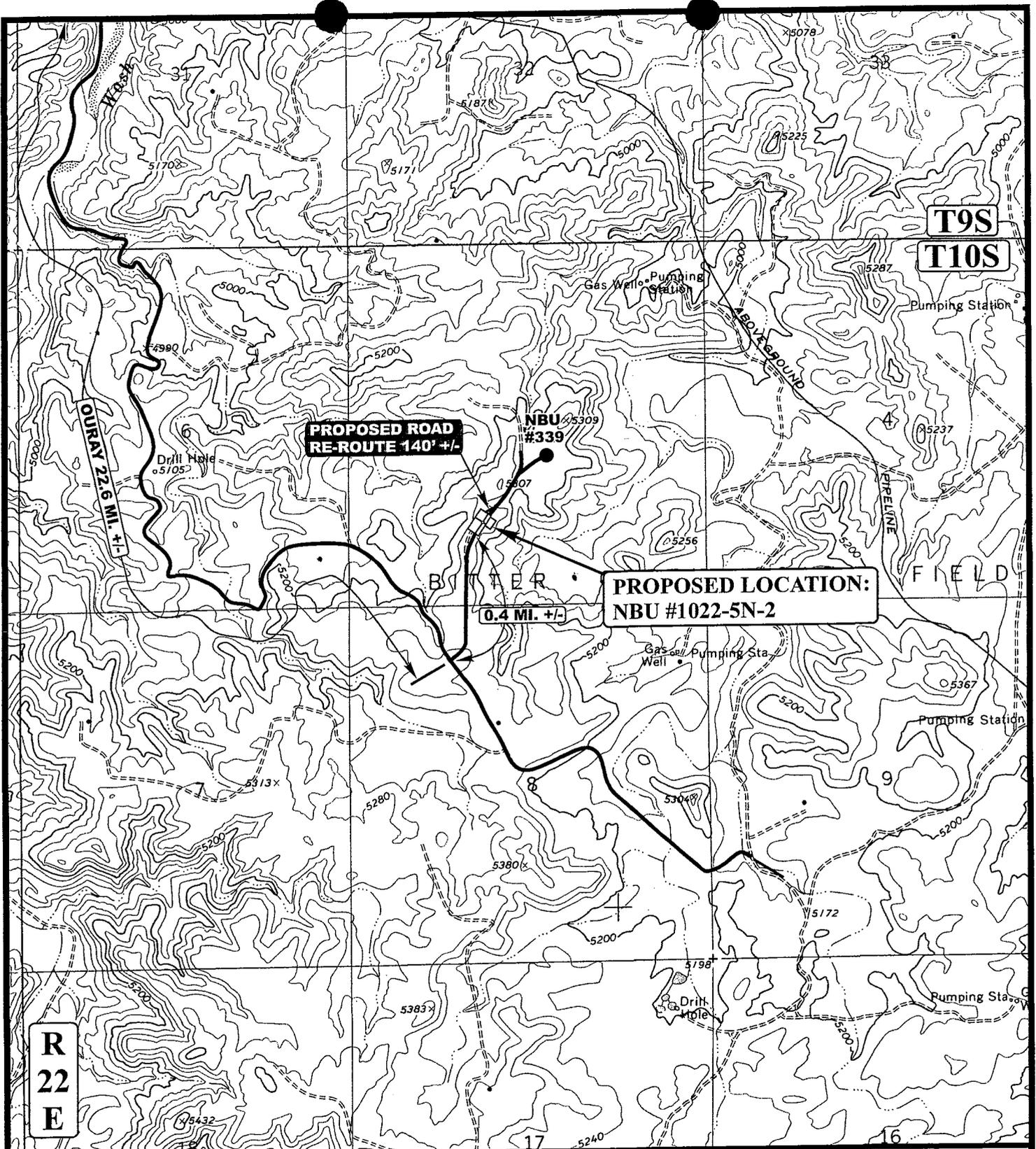
04	12	06
MONTH	DAY	YEAR

SCALE: 1:100,000

DRAWN BY: LDK

REVISED: 00-00-00





**R
22
E**

LEGEND:

- EXISTING ROAD
- PROPOSED ROAD RE-ROUTE



Kerr-McGee Oil & Gas Onshore LP

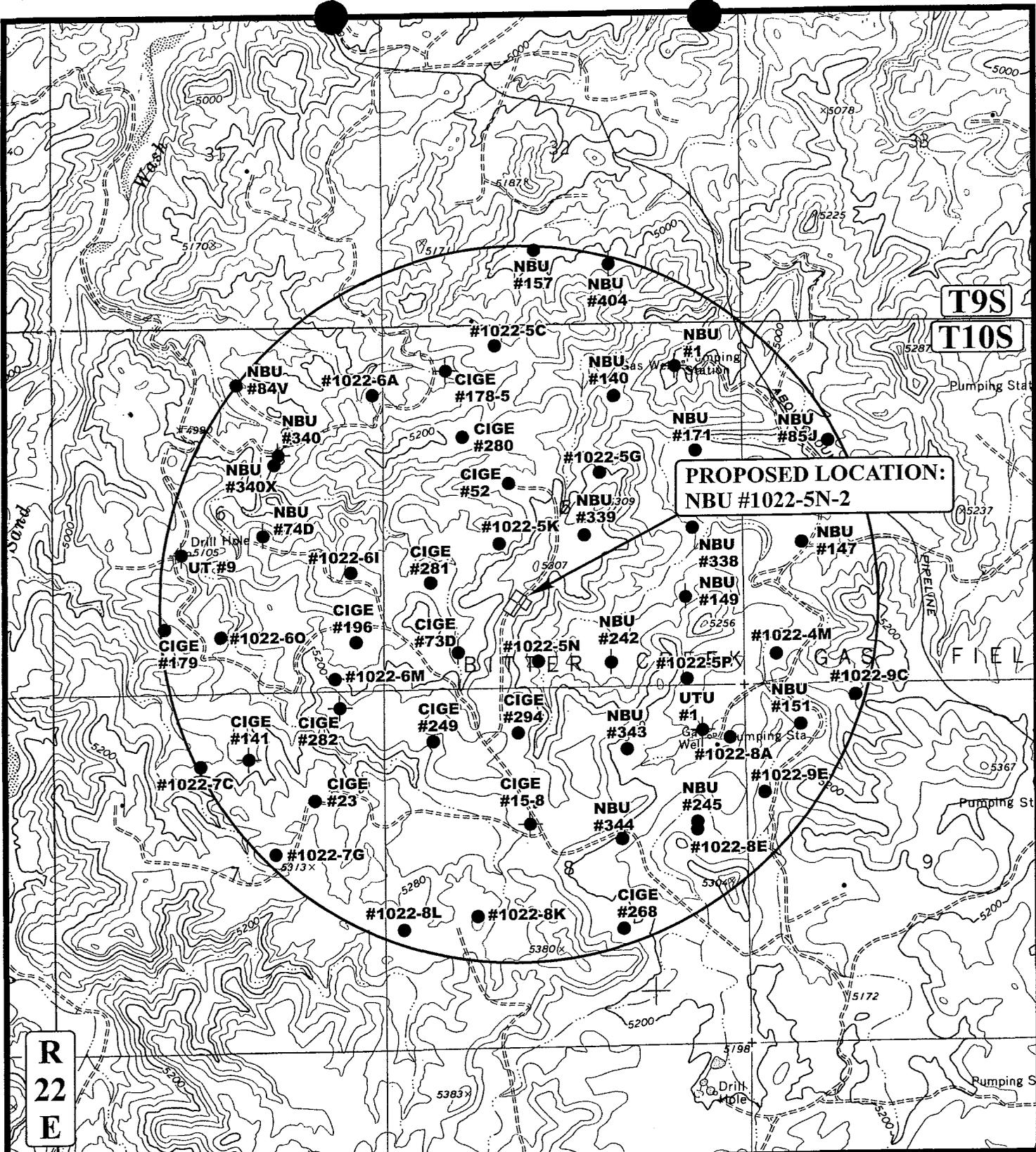
NBU #1022-5N-2
SECTION 5, T10S, R22E, S.L.B.&M.
1228' FSL 1980' FWL



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

TOPOGRAPHIC MAP	04	12	06
	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: LDK	REVISED: 00-00-00	

B
TOPO



**PROPOSED LOCATION:
NBU #1022-5N-2**

**R
22
E**

**T9S
T10S**

LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

Kerr-McGee Oil & Gas Onshore LP

**NBU #1022-5N-2
SECTION 5, T10S, R22E, S.L.B.&M.
1228' FSL 1980' FWL**



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



TOPOGRAPHIC MAP
04 12 06
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: LDK REVISED: 00-00-00



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5N-2

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 5, T10S, R22E, S.L.B.&M.

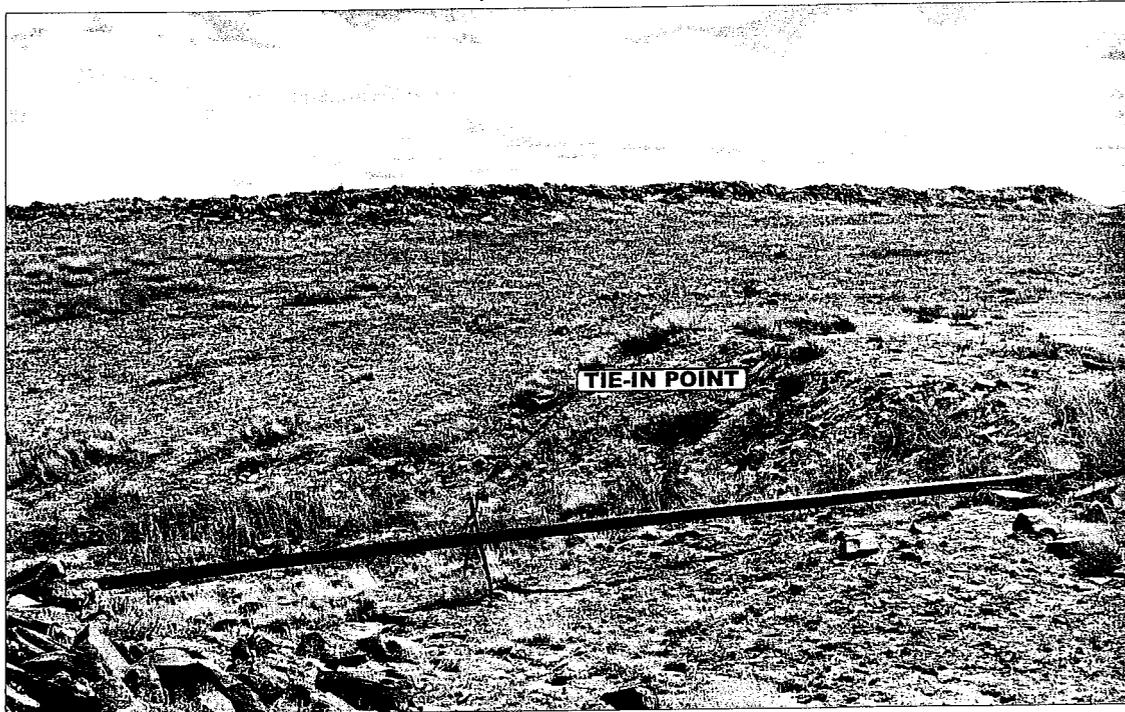


PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

PIPELINE PHOTOS

04 12 06
MONTH DAY YEAR

PHOTO

TAKEN BY: T.A.

DRAWN BY: LDK

REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1022-5N-2

SECTION 5, T10S, R22E, S.L.B.&M.

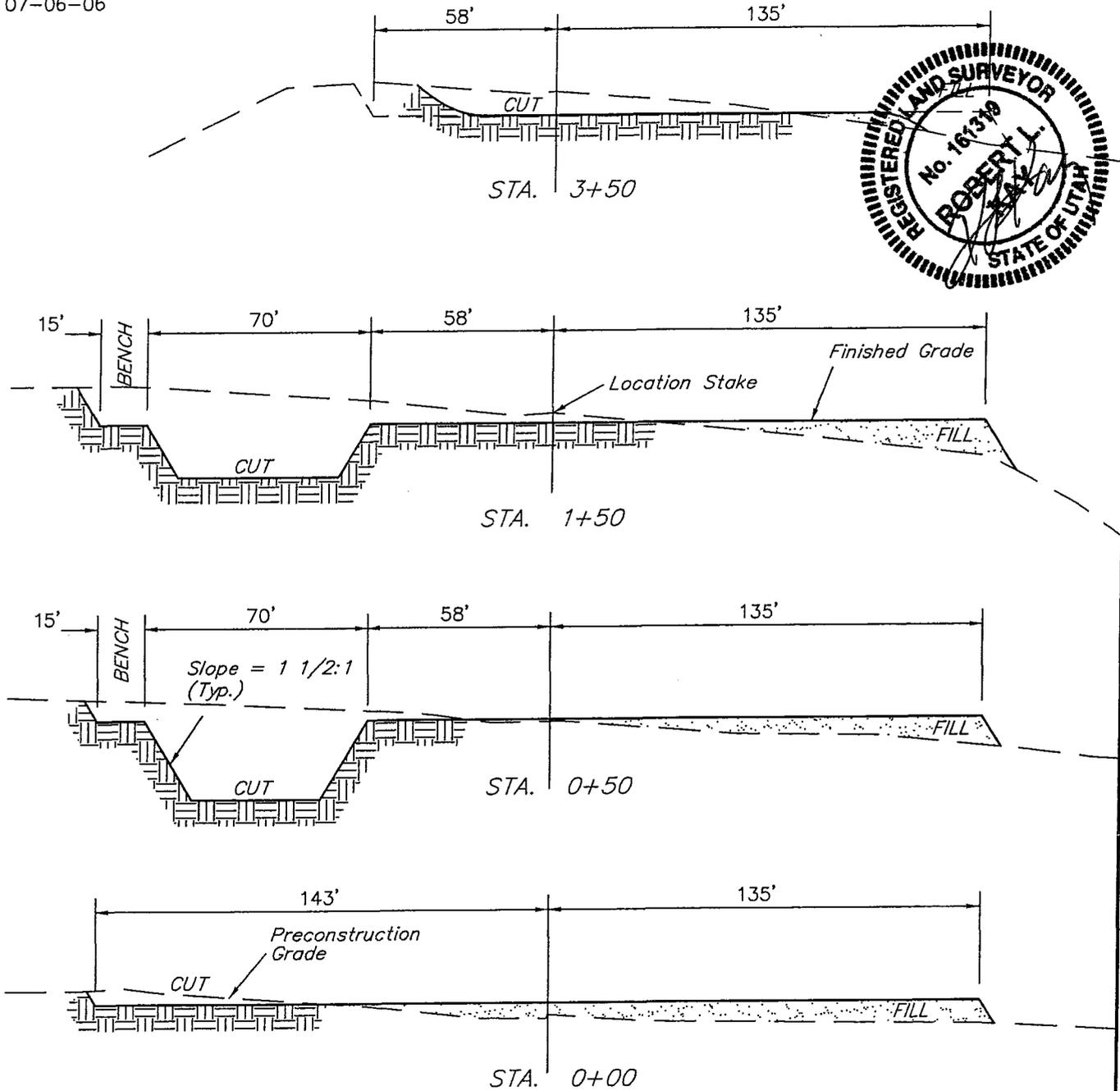
1228' FSL 1980' FWL

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

DATE: 04-12-06

Drawn By: C.H.

REV: 07-06-06



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,710 Cu. Yds.
Remaining Location	= 5,540 Cu. Yds.
TOTAL CUT	= 7,250 CU.YDS.
FILL	= 4,150 CU.YDS.

EXCESS MATERIAL	= 3,100 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,100 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/28/2006

API NO. ASSIGNED: 43-047-38521

WELL NAME: NBU 1022-5N-2

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SESW 05 100S 220E
 SURFACE: 1228 FSL 1980 FWL
 BOTTOM: 1228 FSL 1980 FWL
 COUNTY: UINTAH
 LATITUDE: 39.97406 LONGITUDE: -109.4653
 UTM SURF EASTINGS: 631055 NORTHINGS: 4425796
 FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-01191-A
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WY-2357)
- 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: 12.2.1999
Siting: 460' fr a bdr of well min. track
- _____ R649-3-11. Directional Drill

COMMENTS:

See Separate file

STIPULATIONS:

1- Federal Approval
2- OIL SHALE

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:
3160
(UT-922)

August 29, 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
(PZ MesaVerde)		
43-047-38513	NBU 1022-3M-4T	Sec 03 T10S R22E 0639 FSL 0665 FWL
43-047-38514	NBU 1022-4D-1T	Sec 04 T10S R22E 0565 FNL 1162 FWL
43-047-38515	NBU 1022-4I-4	Sec 04 T10S R22E 1656 FSL 0537 FEL
43-047-38516	NBU 1022-4E-1T	Sec 04 T10S R22E 1623 FNL 1289 FWL
43-047-38517	NBU 1022-4J-4T	Sec 04 T10S R22E 1385 FSL 1941 FEL
43-047-38511	NBU 922-34O-3	Sec 34 T09S R22E 0011 FSL 1433 FEL
43-047-38512	NBU 922-34D-3	Sec 34 T09S R22E 1217 FNL 0162 FWL
43-047-38525	NBU 1022-6G-1	Sec 06 T10S R22E 1372 FNL 1338 FEL
43-047-38526	NBU 1022-6L-1	Sec 06 T10S R22E 2451 FSL 0708 FWL
43-047-38527	NBU 1022-6P-4	Sec 06 T10S R22E 0413 FSL 0281 FEL
43-047-38528	NBU 1022-6C-4	Sec 06 T10S R22E 1178 FNL 2192 FEL
43-047-38518	NBU 1022-5O-1	Sec 05 T10S R22E 0873 FSL 1630 FEL
43-047-38519	NBU 1022-5M-2	Sec 05 T10S R22E 1219 FSL 0116 FWL
43-047-38520	NBU 1022-5I-4	Sec 05 T10S R22E 1955 FSL 0139 FEL
43-047-38521	NBU 1022-5N-2	Sec 05 T10S R22E 1228 FSL 1980 FWL
43-047-38522	NBU 1022-5C-4	Sec 05 T10S R22E 1269 FNL 2606 FWL
43-047-38523	NBU 1022-5D-4T	Sec 05 T10S R22E 0696 FNL 0894 FWL
43-047-38524	NBU 1022-5L-1	Sec 05 T10S R22E 2132 FSL 0986 FWL

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



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

August 29, 2006

Kerr McGee Oil & Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 1022-5N-2 Well, 1228' FSL, 1980' FWL, SE SW, Sec. 5,
T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38521.

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 1022-5N-2
API Number: 43-047-38521
Lease: UTU-01191-A

Location: SE SW Sec. 5 T. 10 South R. 22 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-01191-A

6. If Indian, Allottee or Tribe Name

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

UNIT #8910089 00A

8. Well Name and No.

NBU 1022-5N-2

9. API Well No.

4304738521

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)

1228 FSL, 1980 FWL
SESW, SEC 5-T10S-R22E

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 recompleat 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 recompleat 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 AUGUST 29, 2006.

Utah Division of
Oil, Gas and Mining

RECEIVED

JUL 17 2007

Date: 07-18-07
By: *[Signature]*

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

RAMEY HOOPES

Title

LAND SPECIALIST I

Signature

[Signature]

Date

July 3, 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.

(Instructions on reverse)

7-20-07
RM

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

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

API: 4304738521
Well Name: NBU 1022-5N-2
Location: SESW, SEC 5-T10S-R22E
Company Permit Issued to: KERR-MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 8/29/2006

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

Ramey Horpes
Signature

7/3/2007

Date

Title: LAND SPECIALIST I

Representing: Kerr McGee Oil and Gas Onshore LP

RECEIVED
JUL 17 2007
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
		7. UNIT or CA AGREEMENT NAME: 891008900A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: NBU 1022-5N-2
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP		9. API NUMBER: 4304738521
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779		PHONE NUMBER: (720) 929-6226
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1228' FSL & 1980' FWL		10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 5 10S 22E <i>SESW</i>		COUNTY: Uintah STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Kerr-McGee Oil & Gas Onshore, LP, respectfully requests an APD Extension for one year for this location, so that drilling operations may be completed. The original APD was approved by the Utah Division of Oil, Gas, and Mining on 8/29/2006.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 7-14-08
By: [Signature]

COPY SENT TO OPERATOR
Date: 7.15.2008
Initials: KS

NAME (PLEASE PRINT) <u>Kevin McInlyve</u>	TITLE <u>Regulatory Analyst I</u>
SIGNATURE <u>[Signature]</u>	DATE <u>7/9/2008</u>

(This space for State use only)

RECEIVED
JUL 11 2008



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

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

API: 4304738521
Well Name: NBU 1022-5N-2
Location: SWSE Sec. 5, T10S R22E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore, LP
Date Original Permit Issued: 8/29/2006

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

7/9/2008
Date

Title: Regulatory Analyst I

Representing: Kerr-McGee Oil & Gas Onshore, LP

RECEIVED

JUL 11 2008

DIV. OF OIL, GAS & MINING

RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AUG 24 2006

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU-01191-A	
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
8. Lease Name and Well No. NBU 1022-5N-2	
9. API Well No. 43-047-38521	
10. Field and Pool, or Exploratory NATURAL BUTTES	
11. Sec., T., R., M., or Blk, and Survey or Area SEC. 5, T10S, R22E	
12. County or Parish UINTAH	13. State UTAH
14. Distance in miles and direction from nearest town or post office* 23 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) 1228'	16. No. of Acres in lease 1363.21
17. Spacing Unit dedicated to this well 20.00	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 9120'
20. BLM/BIA Bond No. on file BOND NO: WY-2357 WYB000 291	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5241'UNGRADED GL	22. Approximate date work will start*
	23. Estimated duration

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 8/23/2006
Title REGULATORY ANALYST		
Approved by (Signature) 	Name (Printed/Typed) STEVE KEVEKA	Date AUG 25 2008
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

RECEIVED

SEP 02 2008

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

DLB M 1705A
Entered in AFMSS
Date 11-20-06

NDS 05/09/06

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

Company:	Kerr McGee Oil & Gas Onshore LP	Location:	NWSESW, Sec. 5, T10S, R22E
Well No:	NBU 1022-5N-2	Lease No:	UTU-01191-A
API No:	43-047-38521	Agreement:	Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
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
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
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)***

- 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.
- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- 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.
- Seeding shall occur in the fall (August 1st until snow or ground is frozen).

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

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe. A field copy of the CBL shall be submitted to the BLM Vernal Field Office.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ($\frac{1}{4}$ $\frac{1}{4}$, 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. 1004-0137
Expires: July 31, 2010

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-01191A
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		6. If Indian, Allottee, or Tribe Name N/A
3a. Address P.O. Box 173779, Denver, CO 80217-3779	3b. Phone No. (include area code) 720.929.6226	7. If Unit or CA. Agreement Name and/or No. 891008900A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE SW Sec. 5 T 10S R 22E 1228 FSL 1980 FWL		8. Well Name and No. NBU 1022-5N-2
		9. API Well No. 43-047-38521
		10. Field and Pool, or Exploratory Area Natural Buttes
		11. County or Parish, State Uintah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Revised Topo D</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 Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore, LP, respectfully submits this revised TOPO D for NBU 1022-5N-2 per the onsite with the BLM.

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

Name (Printed/ Typed) Kevin McIntyre	Title Regulatory Analyst
Signature 	Date 12/5/08

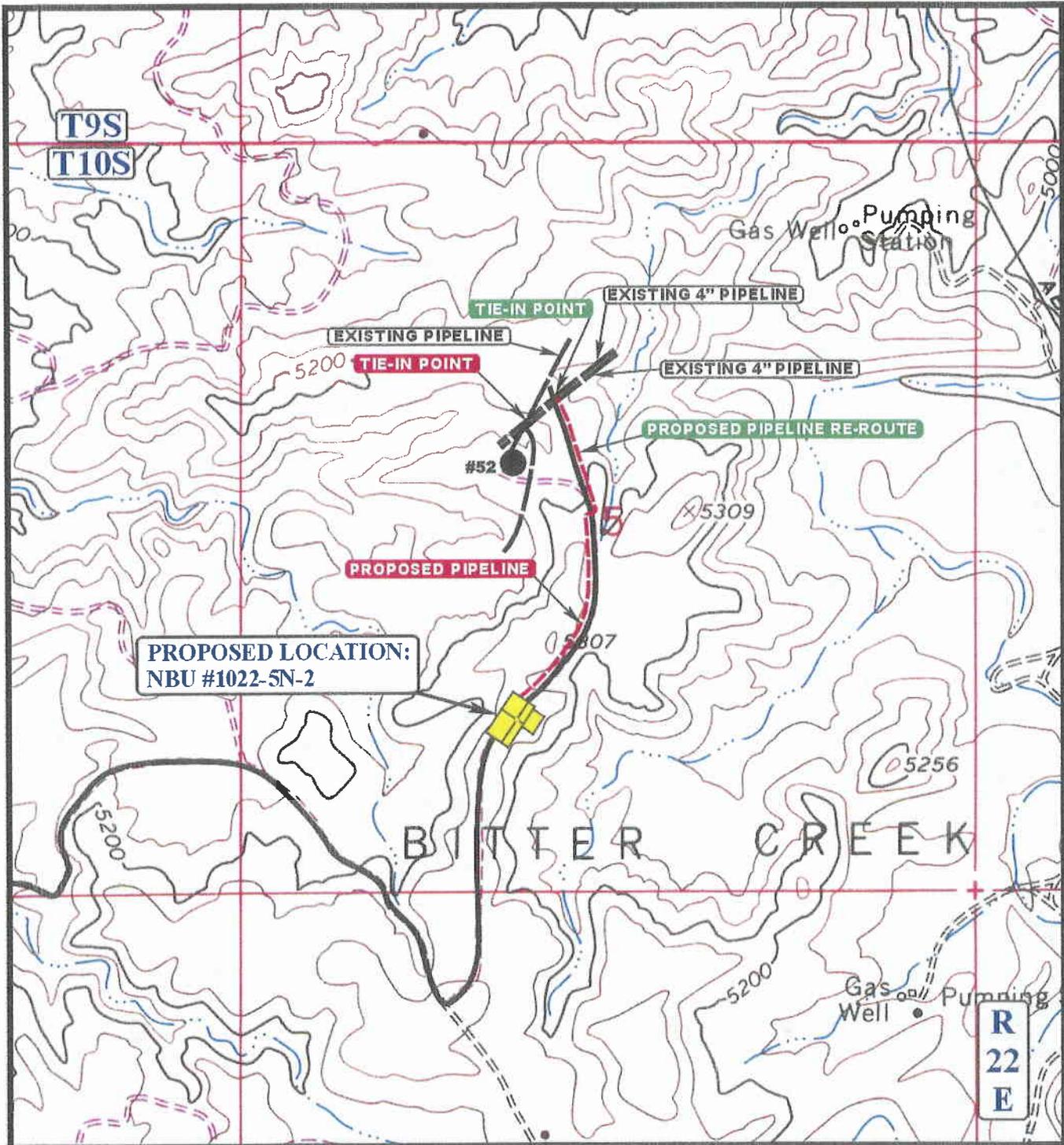
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

(Instructions on page 2)

RECEIVED
DEC 09 2008



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,450' +/-

LEGEND:

	PROPOSED ACCESS ROAD
	EXISTING PIPELINE
	PROPOSED PIPELINE
	PROPOSED PIPELINE RE-ROUTE

Kerr-McGee Oil & Gas Onshore LP
 NBU #1022-5N-2
 SECTION 5, T10S, R22E, S.L.B.&M.
 1228' FSL 1980' FWL

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



TOPOGRAPHIC MAP 04 12 06
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: LDK REV: 11-24-08 Z.L. **TOPO**

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

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

Well Name: NBU 1022-5N-2

Api No: 43-047-38521 Lease Type: FEDERAL

Section 05 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 01/10/2009

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 01/13/2009 Signed CHD

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
4304738521	NBU 1022-5N-2		SESW	5	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	1/10/2009			1/15/09	
Comments: <u>MIRU PETE MARTIN BUCKET RIG. WSMVD</u> SPUD WELL LOCATION ON 01/10/2009 AT 0800 HRS.							

Well 2

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

Well 3

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

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

1/12/2009

Date

RECEIVED

JAN 13 2009

(5/2009)

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.

5. Lease Serial No.
UTU01191A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
NBU 1022-5N-2

9. API Well No.
43-047-38521

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. County or Parish, and State
UINTAH COUNTY, UT

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
Contact: SHEILA UPCHEGO
Email: sheila.upchego@anadarko.com

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 5 T10S R22E SESW 1228FSL 1980FWL

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"/> 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 Well Spud
	<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 recompleat 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 recompleat 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.)

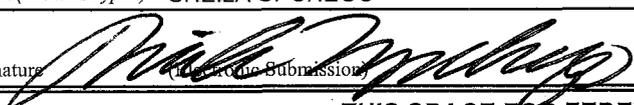
MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 01/10/2009 AT 0800 HRS.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #66264 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 

Date 01/13/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE 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 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

RECEIVED

JAN 20 2009

DIV. OF OIL, GAS & MINING

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. UTU01191A
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-5N-2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E SESW 1228FSL 1980FWL		9. API Well No. 43-047-38521
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

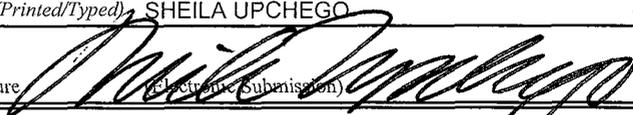
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 Drilling Operations
	<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.)

MIRU PROPETRO AIR RIG ON 01/11/2009. DRILLED 12 1/4" SURFACE HOLE TO 2390'. 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 40 PSI LIFT LAND PLUG FLOATS HELD. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE WOC. 2ND TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE WOC. 3RD TOP OUT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE WOC. 4TH TOP OUT W/225 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

14. I hereby certify that the foregoing is true and correct. Electronic Submission #66437 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  (Electronic Submission)	Date 01/19/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE 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 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 **

RECEIVED
JAN 27 2009

DIV. OF OIL, GAS & MINING

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. UTU01191A
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-5N-2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E SESW 1228FSL 1980FWL		9. API Well No. 43-047-38521
		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 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 Drilling Operations
	<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	

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FINISHED DRILLING FROM 2390' TO 9200' ON 02/12/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/380 SX PREM LITE II @11.2 PPG 3.13 YIELD. TAILED CMT W/1230 SX 50/50 POZ @14.3 PPG 1.31 YIELD. WASH LINES DROP PLUG & DISPLACE W/138 BBLs CLAYTREATED W/1 GAL MAGNACIDE @8.3 PPG BUMPED PLUG W/3316 PSI & PLUG HELD 2789 PUMPING PSI 527 OVER PSI. 1.5 BBL BLEED OFF. 100% RETURNS W/5 BBL CMT BACK TO SURFACE. FLUSH BOP & EMPTY UPRIGHTS LAYED DOWN LANDING JT SET MANDREL PACKING ASSEMBLY & TEST TO 5000 PSI NIPPLE DOWN BOP DROP 20 CHLORINE TABS DOWN CSG. INSTALL NIGHT CAP & CLEAN MUD PITS.

RELEASED PIONEER RIG 69 ON 02/13/2009 AT 2230 HRS.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #67343 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>Sheila Upchego</i> (Electronic Submission)	Date 02/17/2009

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

RECEIVED

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** FEB 19 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-5N-2
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385210000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1228 FSL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 05 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/7/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 3/7/2010 AT 10:00 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 08, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/8/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: _____
	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-5N-2
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385210000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1228 FSL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 05 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/7/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 3/7/2010 AT 10:00 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 08, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/8/2010	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU01191A

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU63047A

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

8. Lease Name and Well No.
NBU 1022-5N-2

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

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

9. API Well No.
43-047-38521

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface SESW 1228FSL 1980FWL 39.97413 N Lat, 109.46539 W Lon
 At top prod interval reported below SESW 1228FSL 1980FWL 39.97413 N Lat, 109.46539 W Lon
 At total depth SESW 1228FSL 1980FWL 39.97413 N Lat, 109.46539 W Lon

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
or Area Sec 5 T10S R22E Mer SLB

12. County or Parish
UINTAH

13. State
UT

14. Date Spudded
01/10/2009

15. Date T.D. Reached
02/12/2009

16. Date Completed
 D & A Ready to Prod.
03/07/2010

17. Elevations (DF, KB, RT, GL)*
5240 GL

18. Total Depth: MD 9200
TVD 9198 7197

19. Plug Back T.D.: MD 9150
TVD 9148 7147

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
BHV-TRIPLE COMBO LOG

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		2372		900			
7.875	4.500 I-80	11.6		9194		1610			

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	8785							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	7030	7035	7030 TO 7035	0.360	15	OPEN
B) MESAVERDE	7095	9128	7095 TO 9128	0.360	306	OPEN
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7030 TO 7141	PMP 1,561 BBLs SLICK H20 & 72,796 LBS 30/50 SD.
7222 TO 9128	PMP 8,134 BBLs SLICK H20 & 294,724 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/07/2010	03/22/2010	24	→	0.0	2381.0	220.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	965 SI	1490.0	→	0	2381	220		PGW	

28a. Production - Interval B

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

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #84006 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
 ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED
APR 07 2010

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	1346				
MAHOGANY	2121				
WASATCH	4550	7045			
MESAVERDE	7072	9200			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS WELL COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

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

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

**Electronic Submission #84006 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (please print) ANDY LYTLE Title REGULATORY ANALYST

Signature  (Electronic Submission) Date 04/01/2010

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

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 1022-5N-2	Wellbore No.	OH
Well Name	NBU 1022-5N-2	Common Name	NBU 1022-5N-2
Project	UTAH-UINTAH	Site	NBU 1022-5N-2
Vertical Section Azimuth	6.19 (°)	North Reference	True
Origin N/S	0.0 (ft)	Origin E/W	0.0 (ft)
Spud Date	1/11/2009	UWI	0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0
Active Datum	RKB @5,259.00ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	TOTCO
Started	2/6/2009	Ended	
Tool Name	INC	Engineer	

2.1.1 Tie On Point

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

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
2/6/2009	Tie On	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2/6/2009	NORMAL	2,417.00	0.94		2,416.89	19.83	0.00	19.71	0.04	0.04	0.00	0.00
2/6/2009	NORMAL	3,428.00	1.65		3,427.63	42.67	0.00	42.43	0.07	0.07	0.00	0.00
2/7/2009	NORMAL	4,439.00	1.74		4,438.18	72.58	0.00	72.16	0.01	0.01	0.00	0.00
2/7/2009	NORMAL	5,460.00	1.43		5,458.79	100.82	0.00	100.23	0.03	-0.03	0.00	180.00
2/9/2009	NORMAL	6,744.00	1.43		6,742.39	132.86	0.00	132.09	0.00	0.00	0.00	0.00
2/11/2009	NORMAL	8,317.00	1.30		8,314.95	170.33	0.00	169.34	0.01	-0.01	0.00	180.00

2.2 Survey Name: GYRO 050409

Survey Name	GYRO 050409	Company	MS ENERGY SERVICES
Started	5/4/2009	Ended	
Tool Name	GMS	Engineer	

2.2.1 Tie On Point

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

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
5/4/2009	Tie On	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NORMAL	100.00	0.25	308.26	100.00	0.14	-0.17	0.12	0.25	0.25	0.00	308.26
	NORMAL	200.00	0.25	118.26	200.00	0.17	-0.15	0.15	0.50	0.00	170.00	175.00
	NORMAL	300.00	0.25	308.26	300.00	0.20	-0.13	0.18	0.50	0.00	-170.00	-175.00
	NORMAL	400.00	0.25	338.25	400.00	0.54	-0.38	0.49	0.13	0.00	29.99	104.99
	NORMAL	500.00	0.25	337.25	500.00	0.94	-0.55	0.88	0.00	0.00	-1.00	-90.50
	NORMAL	600.00	0.25	344.24	600.00	1.35	-0.69	1.27	0.03	0.00	6.99	93.49
	NORMAL	700.00	0.25	342.24	700.00	1.77	-0.82	1.67	0.01	0.00	-2.00	-91.00
	NORMAL	800.00	0.25	339.23	799.99	2.18	-0.96	2.06	0.01	0.00	-3.01	-91.50
	NORMAL	900.00	0.25	351.21	899.99	2.60	-1.07	2.47	0.05	0.00	11.98	95.99
	NORMAL	1,000.00	0.25	348.20	999.99	3.03	-1.15	2.89	0.01	0.00	-3.01	-91.50
	NORMAL	1,100.00	0.25	336.19	1,099.99	3.44	-1.28	3.28	0.05	0.00	-12.01	-96.00
	NORMAL	1,200.00	0.25	306.19	1,199.99	3.77	-1.55	3.58	0.13	0.00	-30.00	-105.00
	NORMAL	1,300.00	0.50	277.19	1,299.99	3.95	-2.15	3.70	0.31	0.25	-29.00	-52.31
	NORMAL	1,400.00	0.75	208.18	1,399.98	3.43	-2.90	3.10	0.74	0.25	-69.01	-108.28
	NORMAL	1,500.00	1.00	196.17	1,499.97	2.02	-3.45	1.63	0.31	0.25	-12.01	-42.37
	NORMAL	1,600.00	1.25	209.17	1,599.95	0.23	-4.22	-0.23	0.36	0.25	13.00	52.22
	NORMAL	1,700.00	1.00	225.17	1,699.93	-1.34	-5.37	-1.91	0.40	-0.25	16.00	136.33
	NORMAL	1,800.00	1.00	208.18	1,799.92	-2.73	-6.40	-3.40	0.30	0.00	-16.99	-98.49
	NORMAL	1,900.00	1.00	173.23	1,899.90	-4.36	-6.71	-5.06	0.60	0.00	-34.95	-107.47
	NORMAL	2,000.00	1.00	195.27	1,999.89	-6.07	-6.84	-6.77	0.38	0.00	22.04	101.02
	NORMAL	2,100.00	1.00	182.32	2,099.87	-7.78	-7.11	-8.50	0.23	0.00	-12.95	-96.47
	NORMAL	2,200.00	1.00	188.37	2,199.86	-9.52	-7.27	-10.25	0.11	0.00	6.05	93.02
	NORMAL	2,300.00	1.00	192.41	2,299.84	-11.23	-7.58	-11.99	0.07	0.00	4.04	92.02
	NORMAL	2,400.00	1.00	144.46	2,399.83	-12.80	-7.26	-13.50	0.81	0.00	-47.95	-113.97
	NORMAL	2,500.00	1.00	177.50	2,499.82	-14.38	-6.72	-15.02	0.57	0.00	33.04	106.52
	NORMAL	2,600.00	1.00	151.55	2,599.80	-16.02	-6.26	-16.60	0.45	0.00	-25.95	-102.97
	NORMAL	2,700.00	1.00	160.82	2,699.79	-17.61	-5.56	-18.11	0.16	0.00	9.27	94.63
	NORMAL	2,800.00	1.00	153.87	2,799.77	-19.22	-4.89	-19.63	0.12	0.00	-6.95	-93.47
	NORMAL	2,900.00	1.00	169.91	2,899.76	-20.86	-4.35	-21.21	0.28	0.00	16.04	98.02
	NORMAL	3,000.00	1.00	162.96	2,999.74	-22.55	-3.95	-22.85	0.12	0.00	-6.95	-93.47
	NORMAL	3,200.00	1.25	167.00	3,199.70	-26.35	-2.94	-26.51	0.13	0.13	2.02	19.63
	NORMAL	3,400.00	1.50	183.04	3,399.65	-31.09	-2.59	-31.18	0.23	0.13	8.02	65.18
	NORMAL	3,600.00	1.50	179.09	3,599.58	-36.32	-2.69	-36.40	0.05	0.00	-1.98	-91.97
	NORMAL	3,800.00	1.25	179.14	3,799.52	-41.12	-2.61	-41.16	0.13	-0.13	0.03	179.75
	NORMAL	4,000.00	1.50	173.18	3,999.46	-45.90	-2.27	-45.87	0.14	0.13	-2.98	-32.77
	NORMAL	4,200.00	1.50	154.23	4,199.39	-50.85	-0.82	-50.65	0.25	0.00	-9.48	-99.47
	NORMAL	4,400.00	1.75	161.25	4,399.31	-56.10	1.30	-55.64	0.16	0.13	3.51	42.07
	NORMAL	4,600.00	1.75	165.24	4,599.22	-61.95	3.06	-61.26	0.06	0.00	2.00	91.99
	NORMAL	4,800.00	1.50	169.24	4,799.14	-67.47	4.32	-66.61	0.14	-0.13	2.00	157.59
	NORMAL	5,000.00	1.50	165.24	4,999.07	-72.57	5.48	-71.56	0.05	0.00	-2.00	-92.00
	NORMAL	5,200.00	1.25	154.24	5,199.01	-77.07	7.10	-75.86	0.18	-0.13	-5.50	-138.85
	NORMAL	5,400.00	1.50	178.23	5,398.96	-81.65	8.12	-80.30	0.31	0.13	12.00	78.82
	NORMAL	5,600.00	1.50	174.22	5,598.89	-86.87	8.47	-85.45	0.05	0.00	-2.01	-92.00
	NORMAL	5,800.00	1.50	162.22	5,798.82	-91.97	9.53	-90.41	0.16	0.00	-6.00	-96.00
	NORMAL	6,000.00	1.75	150.22	5,998.74	-97.11	11.85	-95.27	0.21	0.13	-6.00	-59.79
	NORMAL	6,200.00	1.75	154.19	6,198.65	-102.51	14.69	-100.33	0.06	0.00	1.99	91.98
	NORMAL	6,400.00	1.75	169.18	6,398.56	-108.26	16.60	-105.84	0.23	0.00	7.50	97.49
	NORMAL	6,600.00	2.00	170.17	6,598.45	-114.70	17.77	-112.12	0.13	0.13	0.50	7.88
	NORMAL	6,800.00	1.50	127.19	6,798.36	-119.72	20.45	-116.82	0.68	-0.25	-21.49	-131.43
	NORMAL	7,000.00	1.25	134.18	6,998.31	-122.82	24.10	-119.51	0.15	-0.13	3.50	149.60
	NORMAL	7,200.00	1.75	130.18	7,198.24	-126.31	27.99	-122.56	0.26	0.25	-2.00	-13.83
	NORMAL	7,400.00	1.75	119.18	7,398.14	-129.77	32.99	-125.46	0.17	0.00	-5.50	-95.50
	NORMAL	7,600.00	2.00	110.18	7,598.04	-132.47	38.94	-127.50	0.19	0.13	-4.50	-54.23
	NORMAL	7,800.00	2.50	117.18	7,797.88	-135.66	46.09	-129.91	0.28	0.25	3.50	32.32
	NORMAL	8,000.00	2.25	122.17	7,997.71	-139.75	53.30	-133.19	0.16	-0.13	2.50	142.88
	NORMAL	8,200.00	2.00	128.16	8,197.57	-143.99	59.36	-136.76	0.17	-0.13	3.00	141.35

2.2.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
5/4/2009	NORMAL	8,400.00	1.25	122.15	8,397.49	-147.31	63.95	-139.56	0.38	-0.38	-3.01	-170.19
	NORMAL	8,600.00	1.50	108.15	8,597.43	-149.29	68.29	-141.06	0.21	0.13	-7.00	-60.48
	NORMAL	8,800.00	1.50	128.14	8,797.37	-151.72	72.84	-142.99	0.26	0.00	10.00	99.99
	NORMAL	9,000.00	2.00	145.12	8,997.27	-156.20	76.89	-147.00	0.36	0.25	8.49	54.74
	NORMAL	9,150.00	2.50	146.12	9,147.16	-161.06	80.21	-151.48	0.33	0.33	0.67	4.99

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-5N-2 Spud Conductor: 1/10/2009 Spud Date: 1/11/2009
 Project: UTAH-UINTAH Site: NBU 1022-5N-2 Rig Name No: PROPETRO/, PIONEER 68/68
 Event: DRILLING Start Date: 1/11/2009 End Date: 2/13/2009
 Active Datum: RKB @5,259.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/11/2009	19:00 - 0:00	5.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD @ 1900 HR 1/11/09 DA AT REPORT TIME 840'
1/12/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1100'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT ALITTLE WATER @ 1260' DA AT REPORT TIME 1260'
1/13/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD 1410'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT TRONA WATER @ 1500' CIRCULATE WITH SKID PUMP 1650'
1/14/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1950'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 2220'
1/15/2009	0:00 - 0:00	24.00	DRLSUR					NO VISIBLE LEAKS PIT 20% FULL WORT
	0:00 - 10:00	10.00	DRLSUR	02		P		RIG T/D @ 2390' CONDITION HOLE 1 HR RUN SURVEY 1.5 DEG.
	10:00 - 13:00	3.00	DRLSUR	06		P		TRIP DP OUT OF HOLE
	13:00 - 16:30	3.50	DRLSUR	12				RUN 2353' OF 9 5/8 CSG AND RIG DOWN AIR RIG
	16:30 - 17:30	1.00	DRLSUR	12		P		CEMENT 1ST STAGE WITH 350 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS TO PIT 40 PSI LIFT LAND PLUG FLOATS HELD
	17:30 - 18:00	0.50	DRLSUR	12		P		1ST TOP JOB 100 SKS DOWN BS WOC
	18:00 - 20:00	2.00	DRLSUR	12		P		2ND TOP JOB 100 SKS DOWN BS WOC
	20:00 - 22:00	2.00	DRLSUR	12		P		3RD TOP JOB 125 SKS DOWN BS WOC
	22:00 - 0:00	2.00	DRLSUR	12		P		4TH TOP JOB 225 SKS DOWN BS GOOD CMT TO SURFACE AND FELL BACK + - 10' WILL READY MIX TO SURFACE
2/3/2009	21:30 - 0:00	2.50	DRLPRO	01	E	P		RIG DOWN TO MOVE TO NBU 1022-5N-2
2/4/2009	0:00 - 7:30	7.50	DRLPRO	01	E	P		RIGGING DOWN
	7:30 - 17:00	9.50	DRLPRO	01	A	P		(HELD SAFETY MEETING) ANADARKO SAFETY REP ON LOCATION. MOVE RIG TO NBU 1022-5N-2. RAISE DERRICK,SCOPE SUB,SET WIND WALLS & STAIRS W/ CRANE,SCOPE DERRICK. L & S RELEASED @ 16:00. 3 BED,4 HAUL,2 FORKLIFTS,2 SWAMPERS,1 PUSHER. J & C CRANE RELEASED @ 17:00. 1 OPERATOR ,2 SWAMPERS
	17:00 - 0:00	7.00	DRLPRO	01	B	P		RIGGING UP, MECHANIC CHANGING OUT WITCHITA BRAKE
2/5/2009	0:00 - 13:00	13.00	DRLPRO	01	B	P		RURT.REPLACING WITCHITA BRAKE W/ MECHANIC & WELDERS.FIX OIL SEAL LEAKS IN DRAWWORKS,REPLACE MISC BAD WATER VALVES IN DAY TANK & DRAWWORKS COOLANT TANK.FINISH RIGGING UP.
	13:00 - 17:30	4.50	DRLPRO	14	A	P		NIPPLE UP & FUNCTION TEST BOP,RIG UP FLARE LINES.
	17:30 - 22:30	5.00	DRLPRO	15	A	P		HELD SAFETY MEETING W/ B & C QUICK TEST.RIG UP & TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVES F/ 250 PSI LOW TO 5000 PSI HIGH.TEST HYDRIL 250 PSI LOW TO 2500 PSI HIGH. TEST CSG TO 1500 PSI & HOLD 30 MIN.RIG DOWN B & C QUICKTEST.
	22:30 - 0:00	1.50	DRLPRO	06	A	P		INSTALL WEAR RING.HELD SAFETY MEETING W/ WEATHERFORD TRS. RIG UP EQUIPMENT.PICK UP BHA.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-5N-2 Spud Conductor: 1/10/2009 Spud Date: 1/11/2009
 Project: UTAH-UINTAH Site: NBU 1022-5N-2 Rig Name No: PROPETRO/, PIONEER 68/68
 Event: DRILLING Start Date: 1/11/2009 End Date: 2/13/2009
 Active Datum: RKB @5,259.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
2/6/2009	0:00 - 3:30	3.50	DRLPRO	06	A	P		PICK UP BHA & 48 JTS DP TO 2197' RIG DOWN WEATHERFORD	
	3:30 - 5:00	1.50	DRLPRO	09	A	P		SLIP & CUT DRLG LINE, KELLY UP ON JT 49 & INSTALL ROTATING HEAD RUBBER.	
	5:00 - 8:00	3.00	DRLPRO	02	F	P		DRILL CMT & FLOAT EQUIPMENT. FEW MINOR RIG PROBLEMS.	
	8:00 - 10:00	2.00	DRLPRO	08	B	S		SHALE SHAKERS DOWN, WAIT ON ELECTRICIAN TO REPLACE STARTER.	
	10:00 - 10:30	0.50	DRLPRO	07	A	P		RIG SERVICE	
	10:30 - 11:30	1.00	DRLPRO	02	B	P		ROTARY SPUD @ 10:30 02/06/2009 DRILL 2408' - 2492' = 84' = 84 FPH VIS 28 SPM 125 GPM 473 MOTOR RPM 76 SPP ON/OFF 675/500 DIFF 175 P/U-S/O-ROT WT 80-77-79	
	11:30 - 12:00	0.50	DRLPRO	10	A	P		SURVEY @ 2417' .94 DEG	
	12:00 - 22:30	10.50	DRLPRO	02	B	P		DRILL 2492' - 3503' = 1011' = 96.2 FPH WOB 18, RPM 50, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 1370/1143, P/U-S/O-ROT WT 107/100/105 WOB 18, DIFF PSI ,MW 8.4, VIS 29	
	22:30 - 0:00	1.50	DRLPRO	10	A	P		SURVEY @ 3428' 1.65 DEG	
	2/7/2009	0:00 - 10:00	10.00	DRLPRO	02	B	P		DRILL 3503' - 4419' = 916' = 91.6 FPH, WOB 18, RPM 50, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 1625/1381, P/U-S/O-ROT WT 115/110/122, DIFF PSI 244, MW 9.0, VIS 33
10:00 - 10:30		0.50	DRLPRO	07	A	P		RIG SERVICE	
10:30 - 11:30		1.00	DRLPRO	02	B	P		DRILL 4419' - 4514' = 95' = 95.0 FPH, WOB 18, RPM 50, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 1690/1500, P/U-S/O-ROT 116/114/113, DIFF 270, MW 9.0, VIS 33	
11:30 - 12:00		0.50	DRLPRO	10	A	P		SURVEY @ 4439' 1.74 DEG	
12:00 - 23:00		11.00	DRLPRO	02	B	P		DRILL 4514' - 5526' = 1012' = 92.0 FPH, WOB 18, RPM 50, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 1981/1765, P/U-S/O-ROT 125/117/123, DIFF 276, MW 9.7, VIS 34	
23:00 - 23:30		0.50	DRLPRO	10	A	P		SURVEY @ 5460' 1.43 DEG	
23:30 - 0:00		0.50	DRLPRO	02	B	P		DRILL 5526' - 5573' = 47' = 94.0 FPH, WOB 19, RPM 50, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 1981/1765, P/U-S/O-ROT 125/117/123, DIFF 280, MW 9.7, VIS 34	
2/8/2009		0:00 - 14:00	14.00	DRLPRO	02	B	P		DRILL 5573' - 6441' = 868' = 62.0 FPH, WOB 20, RPM 50, 125 SPM, GPM 473, MOTOR RPM 76, SPP ON/OFF 2100/1821, P/U-S/O-ROT 150/130/140, DIFF 280, MW 9.9, VIS 36
		14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE
		14:30 - 0:00	9.50	DRLPRO	02	B	P		DRILL 6441' - 6838' = 397' = 41.7 FPH, WOB 23, RPM 50, 125 SPM, GPM 473, MOTOR RPM 76, SPP ON/OFF 1989/1685, P/U-S/O-ROT 153/136/148, DIFF 210, MW 10.0, VIS 36
2/9/2009	0:00 - 3:00	3.00	DRLPRO	02	B	P		DRILL 6838' - 6919' = 81' = 27.0 FPH, WOB 24, RPM 50, 125 SPM, GPM 473, MOTOR RPM 76, SPP ON/OFF 2174/1899, P/U-S/O-ROT 155/138/150, DIFF 175, MW 10.1, VIS 36	
	3:00 - 4:00	1.00	DRLPRO	05	C	P		CIRCULATE F/ BIT TRIP, DROP SURVEY.	
	4:00 - 9:00	5.00	DRLPRO	06	A	P		TOOH F/ BIT # 2. HUGHES Q504X. SURVEY @ 6744 1.43 DEG	
	9:00 - 13:30	4.50	DRLPRO	06	A	P		SWITCH BITS & TIH, FILL @ SHOE & 5100'	
	13:30 - 14:00	0.50	DRLPRO	03	E	P		WASH & REAM 32' TO BOTTOM, NO FILL.	
	14:00 - 15:00	1.00	DRLPRO	02	B	P		DRILL 6919' - 6950' = 31' = 62.0 FPH, WOB 18, RPM 50, 125 SPM, GPM 473, MOTOR RPM 76, SPP ON/OFF 2200/2000, P/U-S/O-ROT 150/165/145, DIFF 200, MW 10.5, VIS 38	

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-5N-2 Spud Conductor: 1/10/2009 Spud Date: 1/11/2009
 Project: UTAH-UINTAH Site: NBU 1022-5N-2 Rig Name No: PROPETRO/, PIONEER 68/68
 Event: DRILLING Start Date: 1/11/2009 End Date: 2/13/2009
 Active Datum: RKB @5,259.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRILL 6950' - 7437' = 487'=57.2 FPH, WOB 19, RPM 50, 125 SPM, 473 GPM, MOTOR RPM 76, SPP ON/OFF 2425/2057, P/U-S/O-ROT 160/144/155, DIFF 363, MW 10.6, VIS 38
2/10/2009	0:00 - 9:00	9.00	DRLPRO	02	B	P		DRILL 7437' - 7931' =494'=54.8 FPH, WOB 19, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 2460/2140, P/U-S/O-ROT 170/150/163, DIFF 320, MW 10.6, VIS 38
	9:00 - 11:00	2.00	DRLPRO	08	B	P		CHANGE OUT SWIVEL PACKING ASSEMBLY
	11:00 - 16:00	5.00	DRLPRO	02	B	P		DRILL 7931' - 8152'=221'=44.2 FPH, WOB 20, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 2420/2120, P/U-S/O-ROT 175/150/167, DIFF 240, MW 10.9, VIS 40
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL 8152' - 8392' = 240' = 32 FPH, WOB 24, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 2350/2230, P/U-S/O-ROT 175/155/167, DIFF 165, MW 11.1, VIS 40
2/11/2009	0:00 - 1:30	1.50	DRLPRO	05	C	P		CIRCULATE, MIX & PUMP PILL.DROP SURVEY.
	1:30 - 8:00	6.50	DRLPRO	06	A	P		TOOH F/ BIT # 3. LAYDOWN JARS & IBS, SWITCH BITS.
	8:00 - 12:00	4.00	DRLPRO	06	A	P		TIH W/ BIT # 3. HUGHES Q506X, FILL @ SHOE & 5400'
	12:00 - 12:30	0.50	DRLPRO	03	E	P		WASH & REAM 32' TO BOTTOM, NO FILL
	12:30 - 16:30	4.00	DRLPRO	02	B	P		DRILL 8392' - 8559'=167'=41.7 FPH, WOB 19, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 2380/2160, P/U-S/O-ROT 180/155/168, DIFF 225, MW 11.4, VIS 42
	16:30 - 17:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRILL 8559' - 8844'=452'=41.0 FPH, WOB 19, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 2530/2180, P/U-S/O-ROT 177/163/172, DIFF 350, MW 11.5, VIS 43
2/12/2009	0:00 - 10:30	10.50	DRLPRO	02	B	P		DRILL 8844' - 9200' =356' = 000 FPH, WOB 24, SPM 125, GPM 473, MOTOR RPM 76, SPP ON/OFF 2660/2360, P/U-S/O-ROT 185/160/178, DIFF 260, MW 11.7, VIS 43
	10:30 - 12:00	1.50	DRLPRO	05	C	P		CIRCULATE F/ SHORT TRIP
	12:00 - 13:00	1.00	DRLPRO	06	A	P		SHORT TRIP 10 STDS TO 8549'
	13:00 - 14:30	1.50	DRLPRO	05	C	P		CIRCULATE TO LDDS. BOTTOMS UP GAS 4407' UTS, NO GAS CUT IN MUD. (HELD SAFETY MEETING W/ WEATHERFORD TRS) & RIG UP EQUIPMENT.
	14:30 - 23:30	9.00	DRLPRO	06	A	P		LDDS, BREAK DOWN KELLY & PULL WEAR RING. RIG DOWN WEATHERFORD TRS.
	23:30 - 0:00	0.50	DRLPRO	11	G	P		HELD SAFETY MEETING W/ HALLIBURTON & RIG UP EQUIPMENT
2/13/2009	0:00 - 5:30	5.50	DRLPRO	11	G	P		RUN TRIPLE COMBO LOGGS F/ 9209' & GR TO SURFACE, RIG DOWN HALLIBURTON.
	5:30 - 6:30	1.00	DRLPRO	12	A	P		HELD SAFETY MEETING W/ WEATHERFORD TRS & RIG CREW. RIG UP EQUIPMENT.
	6:30 - 12:00	5.50	DRLPRO	12	C	P		RUN 4.5 PRODUCTION CSG, TAG @ 9209', PICK UP & LAND CSG W/ FLUTED MANDREL HANGER.
	12:00 - 13:30	1.50	DRLPRO	05	D	P		PICK UP BJ HEAD & CIRCULATE OUT GAS W/ RIG PUMP. 5641 UTS GAS @ SURFACE CIRC THRU BUSTER W/ 10'-15' FLARE, .BOTTOMS UP GAS 4981' W/ 11.7 TO 11.1 GAS CUT 10' - 15' FLARE, VENTING BUSTER.

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-5N-2		Spud Conductor: 1/10/2009	Spud Date: 1/11/2009
Project: UTAH-UINTAH		Site: NBU 1022-5N-2	Rig Name No: PROPETRO/, PIONEER 68/68
Event: DRILLING		Start Date: 1/11/2009	End Date: 2/13/2009
Active Datum: RKB @5,259.00ft (above Mean Sea Leve) UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:30 - 17:30	4.00	DRLPRO	12	E	P		(HELD SAFETY MEETING W/ BJ) (SWITCH LINES & TEST TO 4000 PSI) (PUMP 20 BBLs MUD CLEAN) (PUMP 20 BBLs FRESH WATER) (PUMP 223 BBLs LEAD, 380 SCKs PREMIUM LITE 11 @ 11.2 PPG, 3.13cf SACK YIELD) (PUMP 287 BBLs TAIL, 1230 SCKs 50:50 POZ MIX @ 14.3 PPG, 1.31 cf SACK YIELD) (WASH LINES DROP PLUG & DISPLACE W/ 138 BBLs CLAYTREATED, W/ 1 GL MAGNACIDE @ 8.3 PPG) (BUMPED PLUG W/ 3316 PSI & PLUG HELD) (2789 PUMPING PSI) (527 OVER PSI) (1.5 BBLs BLEED OFF) (100 % RETURNS W/ 5 BBLs CMT BACK TO SURFACE) (FLUSH BOP & EMPTY UPRIGHTS W/ BJ PUMP) RIGGED DOWN BJ & LAYED DOWN LANDING JOINT, SET MANDREL PACKING ASSEMBLY & TEST TO 5000 PSI.
	17:30 - 22:30	5.00	DRLPRO	14	A	P		NIPPLE DOWN BOP, DROP 20 CHLORINE TABS DOWN CSG, INSTALL NIGHT CAP & CLEAN MUD PITS. RELEASE RIG @ 22:30 02/13/2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-5N-2	Spud Conductor: 1/10/2009	Spud Date: 1/11/2009
Project: UTAH-UINTAH	Site: NBU 1022-5N-2	Rig Name No:
Event: COMPLETION	Start Date: 2/26/2010	End Date: 3/5/2010
Active Datum: RKB @5,259.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/1/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #1
	7:15 - 10:30	3.25	COMP	30	A	P		ROAD RIG AND EQUIP. TO LOC, MIRU, N/D WH, N/U BOPS, R/U TBG EQUIP,
	10:30 - 15:30	5.00	COMP	31	I	P		P/U 3 7/8" BIT TIH W/ 2 3/8" J-55 TBG, TALLY TBG IN HOLE, TAG PBSD @ 9148', CIRC WELL CLEAN, P/O LAY DN 68 JTS ON TRAILER, TOOH 50 STANDS, EOT @ 5000', SWI, SDFN,
	15:30 - 17:30	2.00	COMP	31	I	P		HSM, TRIPPING TBG & TESTING CSG, STAYING AWAY F/ WELL HEAD.
3/2/2010	7:00 - 7:30	0.50	COMP	48		P		SICP 0, SITP 0, POOH W/ 23/8 L/D MILL, ND BOPS NU FRAC VALVES, TEST CSG & FRAC VALVES TO 7K. RU CASED HOLE SOLUTIONS.
	7:30 - 15:00	7.50	COMP	31	I	P		(STG 1) RIH W/ 31/8 EXP GUNS, 23 GRM, .36" HOLES, 90 DEG PHASING. PERF 9125'-9128' 4 SPF 12 HLS, 9105'-9109' 4 SPF 16 HLS, 9094'-9097' 4 SPF 12 HLS, TOTAL 40 HOLES, POOH SWI PREP TO RFAC IN AM.
3/3/2010	6:30 - 7:00	0.50	COMP	48		P		HSM, FRACING & PERFORATING
	7:00 - 8:00	1.00	COMP	36	E	P		MIRU SUPERIOR, PRIME UP PUMPS & LINES. PRESSURE TEST SURFACE LINES TO 8,000 PSI. (STG 1) WHP 56 PSI, BRK 4450 PSI, @ 4.7 BPM, ISIP 2537 PSI, FG .72.
	8:00 - 10:13	2.22	COMP	36	E	P		PUMP 100 BBLs @ 52 BPM @ 6025 PSI = 64% PERFS OPEN. MP 6689 PSI, MR 52.2 BPM, AP 5712 PSI, AR 50.1 BPM, ISIP 2894 PSI, FG .76. NPI 357 PSI, PMPD 885 BBLs OF SW & 16,759 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 21, 759 LBS. (STG 2) PU 4 1/2" CBP & 31/8 EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING SET 8K CBP @ 8988' & PERF 8956'-8958' 4 SPF 8 HLS, 8904'-8906' 4 SPF 8 HLS, 8866'-8869' 4 SPF 12 HLS, 8816'-8818' 4 SPF 8 HLS, 36 HOLES. WHP 439 PSI, BRK 3406 PSI, @ 4.7 BPM, ISIP 2346 PSI, FG .70. PUMP 100 BBLs @ 52.6 BPM @ 5253 PSI = 78% PERFS OPEN. MP 6434 PSI, MR 53.4 BPM, AP 5569 PSI, AR 52.3 BPM, ISIP 2691 PSI, FG .74. NPI 345 PSI, PMPD 1137 BBLs OF SW & 37,527 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 42,527 LBS.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-5N-2		Spud Conductor: 1/10/2009		Spud Date: 1/11/2009	
Project: UTAH-UINTAH		Site: NBU 1022-5N-2		Rig Name No:	
Event: COMPLETION		Start Date: 2/26/2010		End Date: 3/5/2010	
Active Datum: RKB @5,259.00ft (above Mean Sea Leve		UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:13 - 11:58	1.75	COMP	36	E	P		(STG 3) PU 41/2" CBP & 31/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING SET 8K CBP @ 8774' & PERF 8740'-8744' 4 SPF 16 HLS, 8718'-8720' 3 SPF 6 HLS, 8660'-8664' 3 SPF 12 HLS, 8614'-8617' 3 SPF 9 HLS, 43 HOLES. WHP 695 PSI, BRK 3339 PSI, @ 4.7 BPM, ISIP 2468 PSI, FG .72. PUMP 100 BBLS @ 49.9 BPM @ 5167 PSI = 63% PERFS OPEN. AFTER 341 BBLS LOST SEAL @ BLEANDER GOT FIXED CONTINUE W/ JOB.9269 SND IN. MP 5534 PSI, MR 51.2 BPM, AP 5216 PSI, AR 50.4 BPM, ISIP 2593 PSI, FG .74. NPI 125 PSI, PMPD 741 BBLS OF SW & 19,608 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 24,608 LBS.
	11:58 - 14:24	2.43	COMP	36	E	P		(STG 4) PU 41/2" CBP & 31/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING SET 8K CBP @ 8534' & PERF 8502'-8504' 3 SPF 6 HLS, 8455'-8457' 4 SPF 8 HLS, 8422'-8424' 4 SPF 8 HLS, 8398'-8400' 3 SPF 6 HLS, 8367'-8369' 4 SPF 8 HLS, 8314'-8315' 3 SPF 3 HLS, 39 HOLES. WHP 919 PSI, BRK 5316 PSI, @ 3.4 BPM, ISIP 2826 PSI, FG .77. PUMP 100 BBLS @ 52.6 BPM @ 5253 PSI = 78% PERFS OPEN. AFTER 478 BBLS WTR & 43,160 LBS SAND EQUILIZER LINE LEAKING SHUT DWN TO FIX, 20 BBLS FROM SWEEP, WE JUST STARTED ON SWEEP. MP 6601 PSI, MR 51.2 BPM, AP 5729 PSI, AR 50.6 BPM, ISIP 2756 PSI, FG .77. NPI -70 PSI, PMPD 2195 BBLS OF SW & 79,335 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 84,335 LBS.
	14:24 - 15:56	1.53	COMP	36	E	P		(STG 5) PU 41/2" CBP & 31/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING SET 8K CBP @ 7972' & PERF 7939'-7942' 4 SPF 12 HLS, 7889'-7892' 4 SPF 12 HLS, 7845'-7848' 3 SPF 9 HLS, 7790'-7793' 3 SPF 9 HLS, 42 HOLES WHP 5 PSI, BRK 2836 PSI, @ 4.7 BPM, ISIP 2095 PSI, FG .70. PUMP 100 BBLS @ 50.8 BPM @ 5586 PSI = 69% PERFS OPEN. MP 5901 PSI, MR 51.2 BPM, AP 5073 PSI, AR 50.8 BPM, ISIP 2502 PSI, FG .76. NPI 407 PSI, PMPD 984 BBLS OF SW & 32,217 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 37,217 LBS.
	15:56 - 17:25	1.48	COMP	36	E	P		(STG 6) PU 41/2" CBP & 31/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING SET 8K CBP @ 7754' & PERF 7720'-7724' 4 SPF 16 HLS, 7646'-7651' 3 SPF 15 HLS, 7570'-7574' 3 SPF 12 HLS.43 HOLES. WHP 60 PSI, BRK 2710 PSI, @ 5.3 BPM, ISIP 2175 PSI, FG .72. PUMP 100 BBLS @ 50.9 BPM @ 4750 PSI = 62% PERFS OPEN. MP 6243 PSI, MR 51.2 BPM, AP 4788 PSI, AR 50.9 BPM, ISIP 2584 PSI, FG .78. NPI 409 PSI, PMPD 1165 BBLS OF SW & 39,925 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 44,925 LBS.

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-5N-2	Spud Conductor: 1/10/2009	Spud Date: 1/11/2009
Project: UTAH-UINTAH	Site: NBU 1022-5N-2	Rig Name No:
Event: COMPLETION	Start Date: 2/26/2010	End Date: 3/5/2010
Active Datum: RKB @5,259.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	17:25 - 19:00	1.58	COMP	34	H	P		(STG 7) PU 41/2" CBP & 31/8 EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING SET 8K CBP @ 7474' & PERF 7443'-7444' 4 SPF 4 HLS, 7422'-7424' 4 SPF 8 HLS, 7326'-7328' 4 SPF 8 HLS, 7284'-7286' 4 SPF 8 HLS, 7222'-7224' 4 SPF 8 HLS. 36 HOLES, POOH SWI SDFN
3/4/2010	7:00 - 8:06	1.10	COMP	36	E	P		HSM FRACING AND PERFORATINF & TRIPPING PIPE, (STG 7) WHP 765 PSI, BRK 3538 PSI, @ 4.7 BPM, ISIP 1949 PSI, FG .70. PUMP 100 BBLs @ 50.9 BPM @ 4339 PSI = 80% PERFS OPEN. MP 6291 PSI, MR 51.6 BPM, AP 4505 PSI, AR 51 BPM, ISIP 2266 PSI, FG .75. NPI 317 PSI, PMPD 1027 BBLs OF SW & 34,353 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 39,353 LBS.
	8:06 - 9:48	1.70	COMP	36	E	P		(STG 8) PU 41/2" CBP & 31/8 EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING SET 8K CBP @ 7171' & PERF 7139'-7141' 3 SPF 6 HLS, 7095'- 7102' 3 SPF 21 HLS, 7030'-7035' 3 SPF 15 HLS. 42 HOLES. WHP 1040 PSI, BRK 6441 PSI, @ 4.7 BPM, ISIP 1938 PSI, FG .71. PUMP 100 BBLs @ 52.8 BPM @ 4750 PSI = 71% PERFS OPEN. MP 6798 PSI, MR 53.4 BPM, AP 4389 PSI, AR 52.7 BPM, ISIP 2432 PSI, FG .78. NPI 494 PSI, PMPD 1561 BBLs OF SW & 67,796 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 72,796 LBS.
	9:48 - 11:00	1.20	COMP	34	I	P		(KILL PLUG) RIH 41/2" 8K HAL CBP & SET @ 6890' POOH.
	11:00 - 15:00	4.00	COMP	31	I	P		RD WL & FRAC CREW, ND FRAC VALVE, NU BOPS, RU FLOOR & EQUIP. PU RIH W/ 37/8 HURRICAN MILL & POBS & 217 JTS 23/8 J-55 TAG KILL PLUG @ 6890' RU DRILLING EQUIP PREP TO DRILL PLUGS IN AM, SWI SDFN.
3/5/2010	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ POWER SWIVEL.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-5N-2	Spud Conductor: 1/10/2009	Spud Date: 1/11/2009
Project: UTAH-UINTAH	Site: NBU 1022-5N-2	Rig Name No:
Event: COMPLETION	Start Date: 2/26/2010	End Date: 3/5/2010
Active Datum: RKB @5,259.00ft (above Mean Sea Leve) UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	D	P		<p>SICP 0, SITP 0, BREAK CIRC CONVENTIONAL TEST BOPS TO 3,000 PSI, RIH</p> <p>C/O 0' OF SAND TAG 1ST PLUG @ 6980' DRL PLG IN 50 MIN. 100# PSI INCREASE RIH.</p> <p>C/O 30' OF SAND TAG 2ND PLUG @ 7171' DRL PLG IN 35 MIN. 200# PSI INCREASE RIH.</p> <p>C/O 30' OF SAND TAG 3RD PLUG @ 7474' DRL PLG IN 20 MIN. 400# PSI INCREASE RIH.</p> <p>C/O 30' OF SAND TAG 4TH PLUG @ 7754' DRL PLG IN 10 MIN. 500# PSI INCREASE RIH.</p> <p>C/O 30' OF SAND TAG 5TH PLUG @ 7972' DRL PLG IN 20 MIN. 200# PSI INCREASE RIH.</p> <p>C/O 30' OF SAND TAG 6TH PLUG @ 8534' DRL PLG IN 5 MIN. 1000# PSI INCREASE RIH.</p> <p>C/O 30' OF SAND TAG 7TH PLUG @ 8774' DRL PLG IN 5 MIN. 800# PSI INCREASE RIH.</p> <p>C/O 30' OF SAND TAG 8TH PLUG @ 8988' DRL PLG IN 6 MIN. 500# PSI INCREASE RIH TAG @ 9128' C/O SND DWN TO PBTD @ 9150' CIRC CLEAN, RD SWIVEL. L/D 12 JTS, LAND TBG ON 278 JTS, RD FLOOR, ND BOPS DROP BALL, NU WH. PUMP OFF BIT LET SET FOR 30 MIN FOR BIT TO FALL. RIG DWN RIG & PARKED ON LOCATION, TURN WELL TO FB CREW, SDFWE.</p> <p>KB= 18' 4" 10 K FMC HANGER =.83' 278 JTS 23/8 J-55 = 8764.05' 1.875 POBS = 2.20' EOT @ 8785.08'</p> <p>296 JTS HAULED OUT 278 LANDED 18 TO RETURN.</p> <p>TWTR 10,095 BBLS TWR 2500 BBLS TWLTR 7595 BBLS</p>
3/6/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 2900#, TP 2950#, 20/64" CK, 0 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 3130 BBLS LEFT TO RECOVER: 6965</p>
3/7/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 3400#, TP 2200#, 20/64" CK, 45 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 3840 BBLS LEFT TO RECOVER: 6255</p>
	10:00 -		PROD	50				<p>WELL TURNED TO SALES @ 1000 HR ON 3/07/2010 - 2687 MCFD, 1080 BWPD, CP 3400#, FT 2400#, CK 20/64"</p>
3/8/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 3000#, TP 2125#, 20/64" CK, 40 BWPH, HEAVY SAND, 2 GAS TTL BBLS RECOVERED: 4849 BBLS LEFT TO RECOVER: 5246</p>

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-5N-2		Spud Conductor: 1/10/2009		Spud Date: 1/11/2009	
Project: UTAH-UINTAH			Site: NBU 1022-5N-2		Rig Name No:
Event: COMPLETION			Start Date: 2/26/2010		End Date: 3/5/2010
Active Datum: RKB @5,259.00ft (above Mean Sea Leve			UWI: 0/10/S/22/E/5/0/NESWSE/6/PM/S/1,228.00/W/0/1,980.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/9/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2750#, TP 1950#, 20/64" CK, 35 BWPH, MEDIUM SAND, 2.2 GAS TTL BBLS RECOVERED: 5676 BBLS LEFT TO RECOVER: 4419
3/10/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2550#, TP 1825#, 20/64" CK, 30 BWPH, LIGHT SAND, 2.1 GAS TTL BBLS RECOVERED: 6542 BBLS LEFT TO RECOVER: 3553
3/11/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2400#, TP 1675#, 20/64" CK, 25 BWPH, TRACE SAND, 2.1 GAS TTL BBLS RECOVERED: 7146 BBLS LEFT TO RECOVER: 2949

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-5N-2
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385210000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1228 FSL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 05 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/17/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests authorization to temporarily abandon the subject well location. The operator proposes to temporarily abandon the subject well to drill the NBU 1022-5N PAD; which consists of the following wells: NBU 1022-5N1CS, NBU 1022-5K4CS, NBU 1022-5L4CS, NBU 1022-5M1BS, NBU 1022-5O3AS, NBU 1022-5M4AS.

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

Date: June 19, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Luke Urban	PHONE NUMBER 720 929-6501	TITLE Regulatory Specialist
SIGNATURE N/A		DATE 6/17/2013

Well Name: **NBU 1022-5N-2**
 Surface Location: NESWSE Sec. 5, T10, R22E
 Uintah County, UT

6/12/13

Recommended action for disposition of well bore:

This well will be temporarily abandoned to accommodate drilling operations in one of 2 ways. We will either plug the wellbore as outlined in the attached procedure or Shut-In in the following manner: a) Set a tubing plug near EOT, install a flange over the tbg hanger, removal of master valve, set VR plugs in casing head at surface, and removal of casing wing valves, replaced with blind flanges.

API: 4304738521 LEASE#: UTU-01191-A
 ELEVATIONS: 5240' GL 5258' KB
 TOTAL DEPTH: 9200' PBDT: 9150'
 SURFACE CASING: 9 5/8", 36# J-55 @ 2372' (KB)
 PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 9194'
 TOC @ Surface per CBL
 PRODUCTION TUBING: 2 3/8" J-55, EOT @ 8785' (CMP rpt dated 3/5/10)
 PERFORATIONS: WASATCH 7030' - 7035'
 MESAVERDE 7095' - 9128'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.765	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3428	0.3132	0.0558

GEOLOGICAL TOPS:
 4550' Wasatch
 7072' Mesaverde

NBU 1022-5N-2 TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 23 sx of cement needed to perform procedure.

1. MIRU. KILL WELL AS NEEDED (TO INCLUDE SURFACE CSG PRESSURE). ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE MV/WAS PERFORATIONS (7030' - 9128')**: RIH W/ 4 1/2" CBP. SET @ ~7000'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX / 1.6 BBL / 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~6900'). REVERSE CIRCULATE W/ TREATED FRESH WATER (~35 BBLS).
5. **PLUG #2, PROTECT TOP OF WASATCH (4550')**: PUH TO ~4650'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **15 SX / 3.1 BBL / 17.4 CUFT** AND BALANCE PLUG W/ TOC @ ~4350' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER (~67 BBLS).
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 6/12/13