

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-0464
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 1022-6L-1
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWSW LOT 6, 2451'FSL, 708'FWL		9. API Well No. 43-047-38526
At proposed prod. Zone 44261487 -109-487219		10. Field and Pool, or Exploratory NATURAL BUTTES
14. Distance in miles and direction from nearest town or post office* 21.75 MILES SOUTHEAST OF OURAY, UTAH		11. Sec., T., R., M., or Blk, and Survey or Area SEC. 6, T10S, R22E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 708'	16. No. of Acres in lease 206.97	12. County or Parish UINTAH
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	13. State UTAH
19. Proposed Depth 9200'	20. BLM/BIA Bond No. on file BOND NO: WY-2357	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5098'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 8/24/2006
Title REGULATORY ANALYST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-29-06
Title ENVIRONMENTAL MANAGER	Office ENVIRONMENTAL MANAGER	

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

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

*(Instructions on reverse)

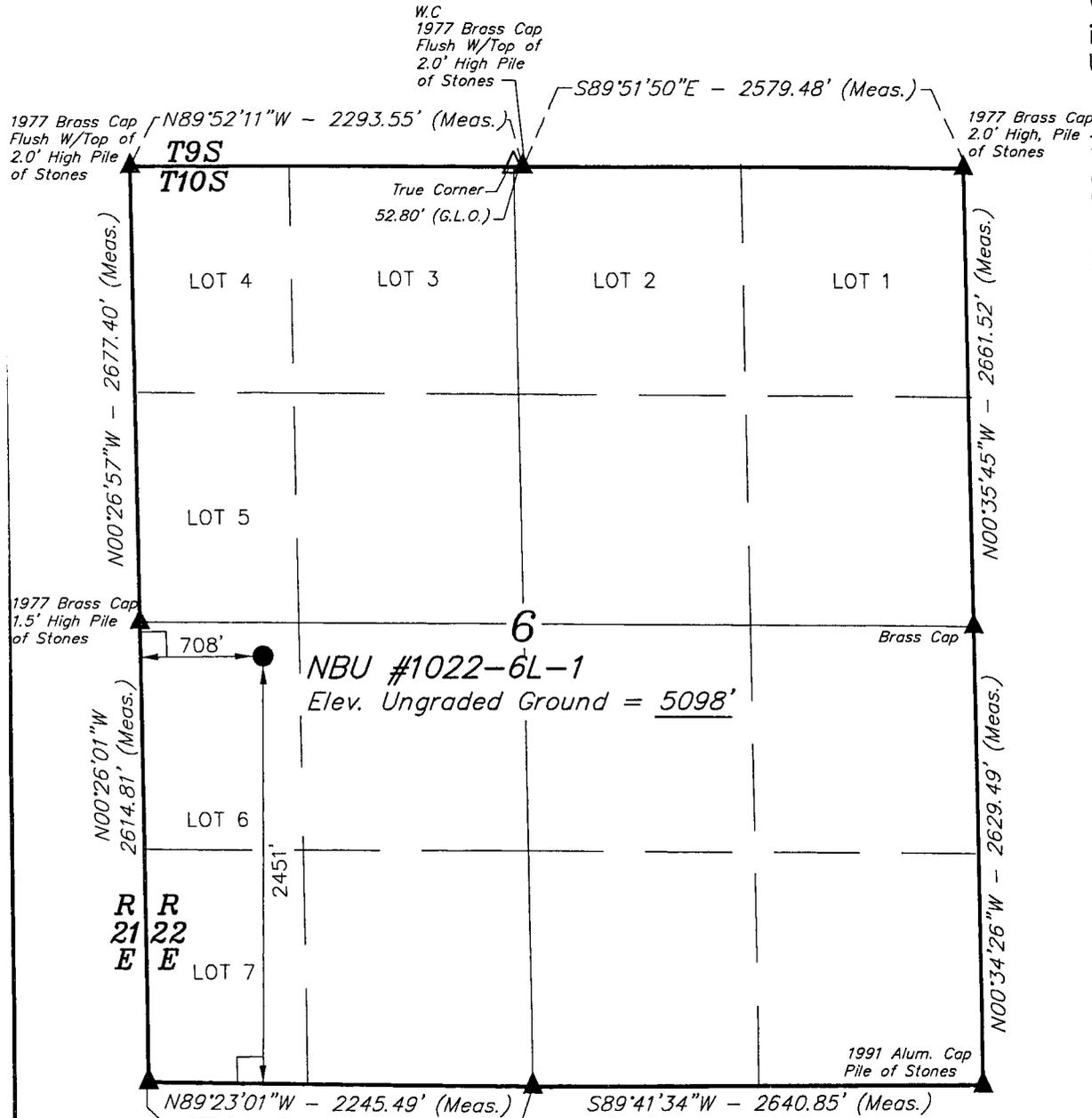
AUG 28 2006

Federal Approval of this
Action is Necessary

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

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-6L-1, located as shown in Lot 6 of Section 6, T10S, R22E, S.L.B.&M. Uintah County, Utah.

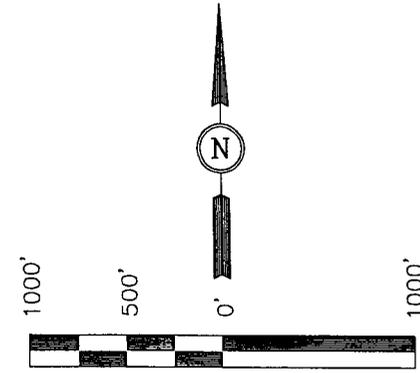


BASIS OF ELEVATION

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, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

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



CERTIFIED REGISTERED LAND SURVEYOR

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

REGISTERED LAND SURVEYOR
REGISTERED TO PRACTICE IN THE
STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.
 - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set On Ground)
- 1977 Brass Cap
0.4' Above 1.5'
High Pile of
Stones, Steel Post
- 1991 Alum. Cap
1.0' High, Pile of
Stones, Steel Post
- LATITUDE = 39°58'38.87" (39.977464)
- LONGITUDE = 109°29'17.01" (109.488058)
- (NAD 83)
- LATITUDE = 39°58'39.00" (39.977500)
- LONGITUDE = 109°29'14.54" (109.487372)
- (NAD 27)

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

SCALE 1" = 1000'	DATE SURVEYED: 04-12-06	DATE DRAWN: 04-20-06
PARTY P.J. J.A. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

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 1022-41-4	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 1022-51-4	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.

**NBU #1022-6L-1
NENWSW LOT 6, SEC 6-T10S-R22E
UINTAH COUNTY, UTAH
UTU-0464**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1252'
Top of Birds Nest Water	1572'
Mahogany	2196'
Wasatch	4489'
Mesaverde	7092'
MVU2	7990'
MVL1	8623'
TD	9200'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1252'
	Top of Birds Nest Water	1572'
	Mahogany	2196'
Gas	Wasatch	4489'
Gas	Mesaverde	7092'
Gas	MVU2	7990'
Gas	MVL1	8623'
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 9200' TD, approximately equals 5704 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3680 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 2080	32.30	H-40	STC	0.65*****	1.41	4.32
PRODUCTION	4-1/2"	0 to 9200	11.60	I-80	LTC	2.24	1.15	2.16

- 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 3478 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		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	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	3,980'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	440	60%	11.00	3.38
	TAIL	5,220'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1460	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 Tolco 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.

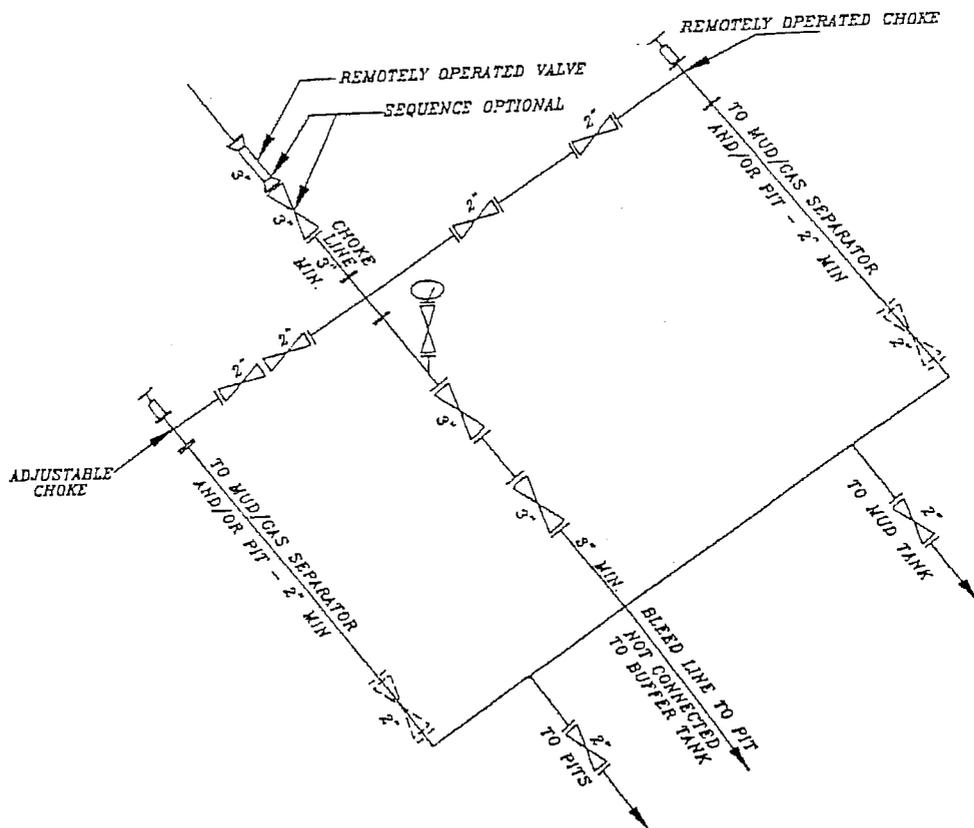
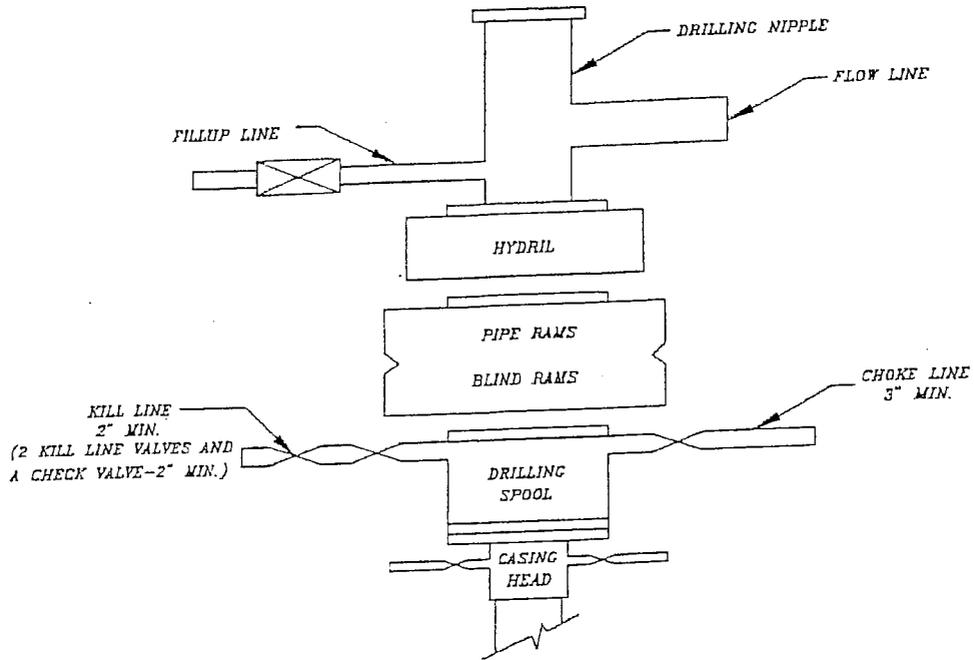
DRILLING ENGINEER: _____
Brad Laney

DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU #1022-6L-1
NENWSW LOT 6, SEC 6-T10S-R22E
UINTAH COUNTY, UTAH
UTU-0464**

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 150' +/- of 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 1350' +/- of 4" pipeline is proposed to tie-into an existing pipeline. 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 and straw 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. These two Archaeological Reports are 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.

WILDLIFE STIPULATIONS:

GOLDEN EAGLE: No construction or drilling from February 1st – July 15th. A letter to waive the golden eagle may be submitted to the BLM office.

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

8/24/2006

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-6L-1
SECTION 6, 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 4.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN NORTHWESTLERY DIRECTION APPROXIMATELY 0.25 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 150' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 52.85 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6L-1
LOCATED IN UTAH COUNTY, UTAH
SECTION 6, T10S, R22E, S.L.B.&M.

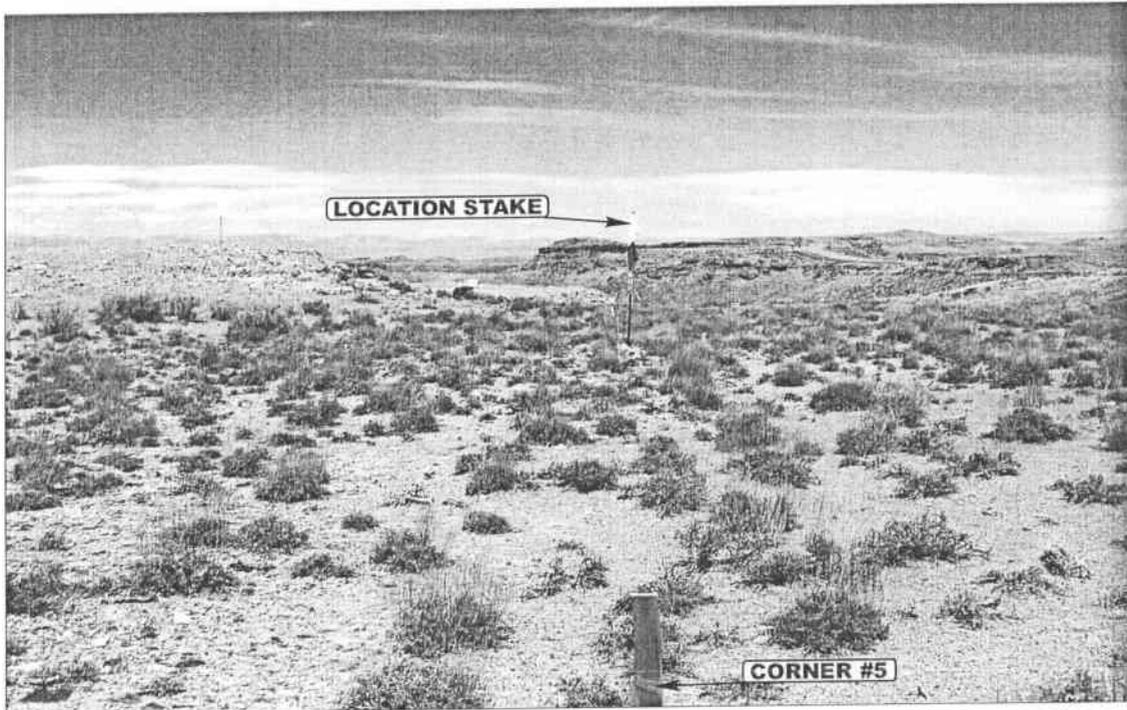


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

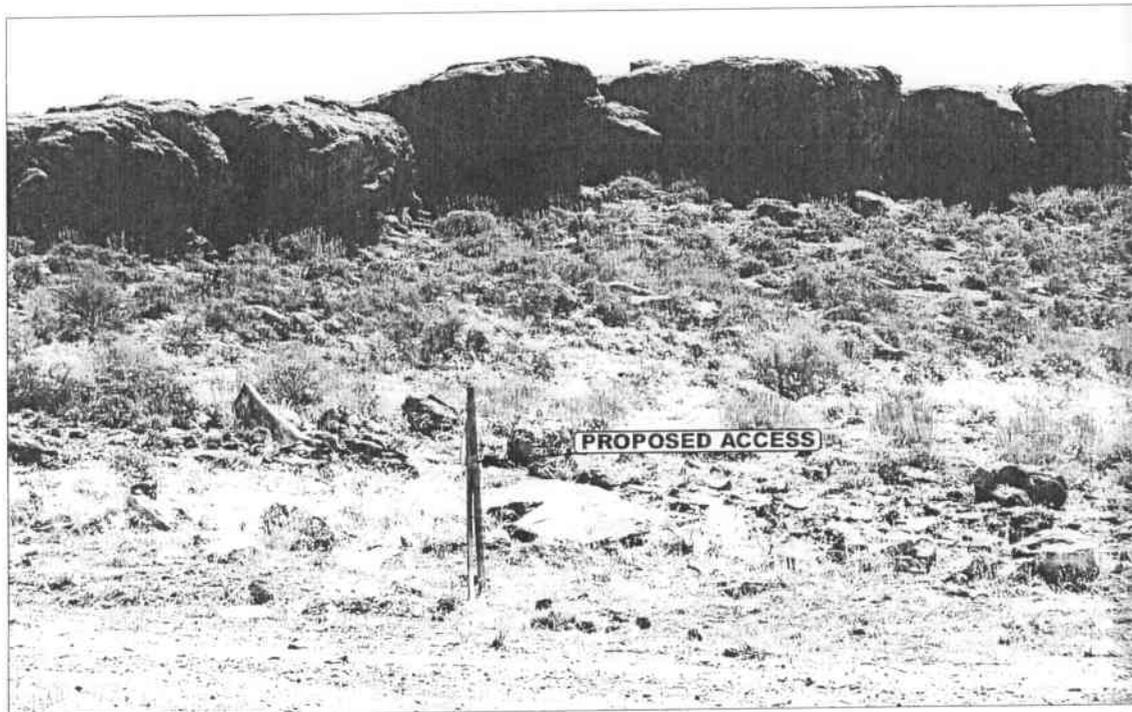


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

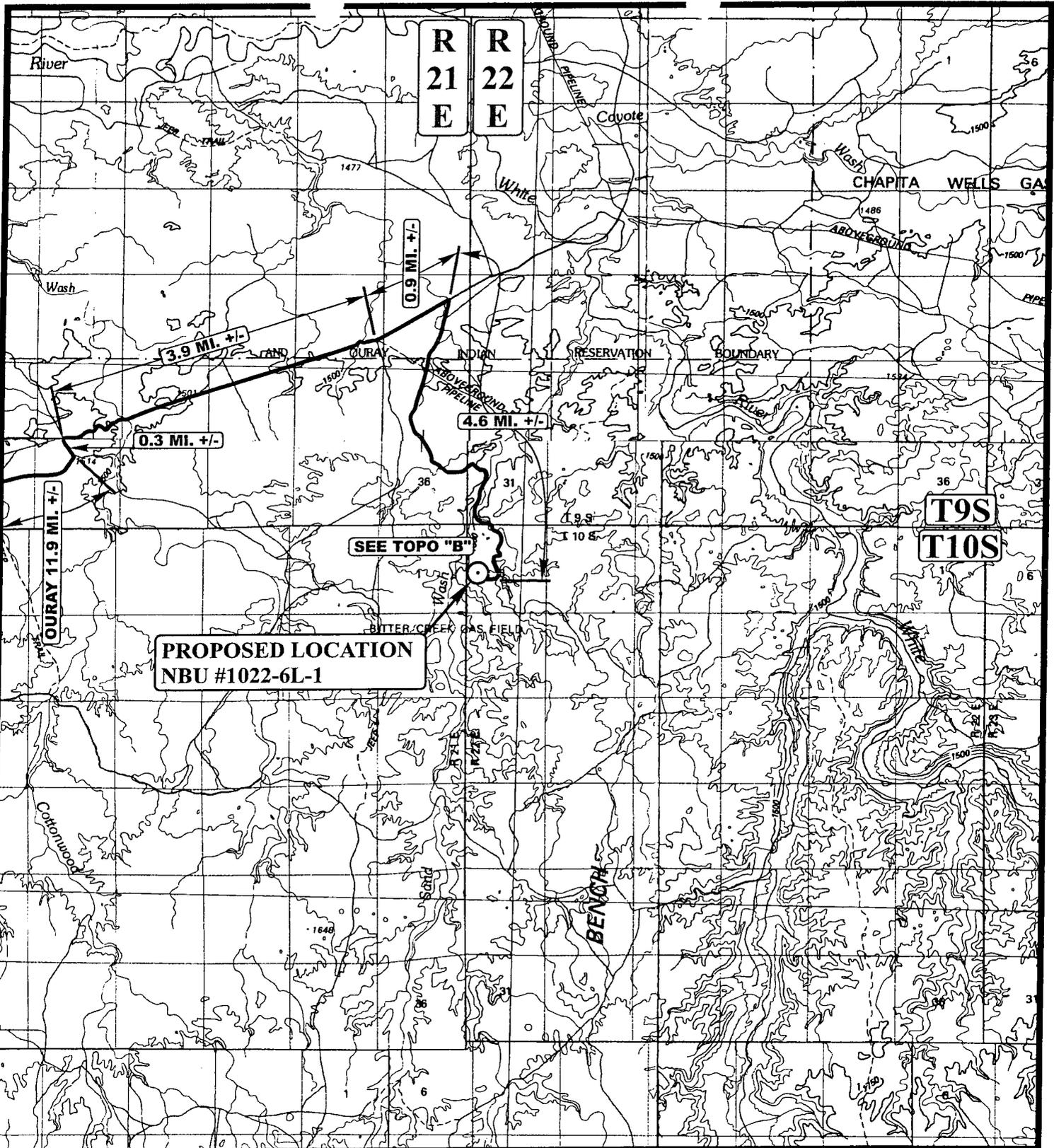
CAMERA ANGLE: SOUTHERLY



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

LOCATION PHOTOS	04	18	06	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: P.J.	DRAWN BY: C.P.		REVISED: 00-00-00	

- Since 1964 -



PROPOSED LOCATION
NBU #1022-6L-1

SEE TOPO "B"

LEGEND:

○ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

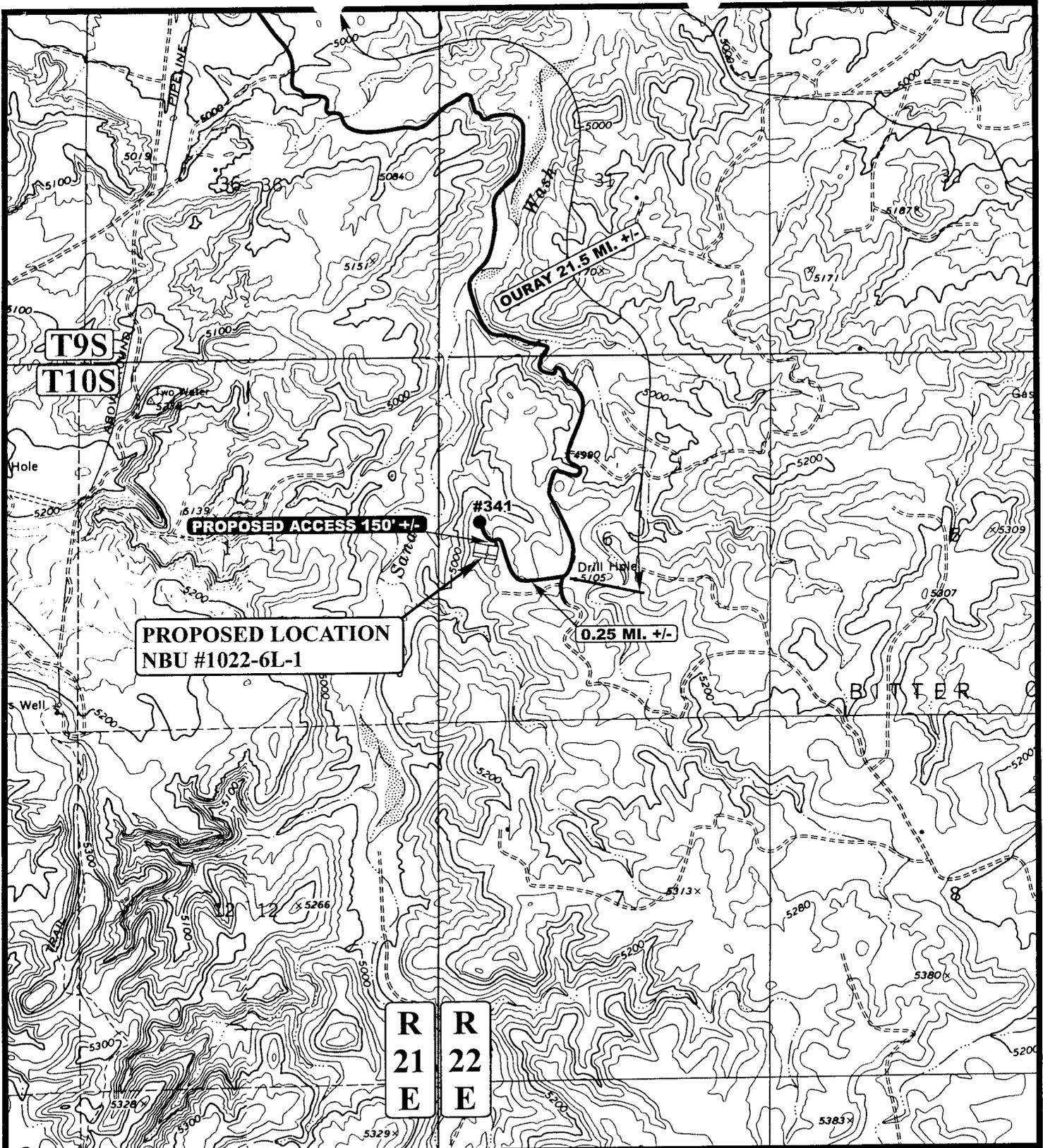
NBU #1022-6L-1
SECTION 6, T10S, R22E, S.L.B.&M.
2451' FSL 708' FWL



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

TOPOGRAPHIC	04	18	06
MAP	MONTH	DAY	YEAR
SCALE: 1:100,000	DRAWN BY: C.P.		REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6L-1
SECTION 6, T10S, R22E, S.L.B.&M.
2451' FSL 708' FWL



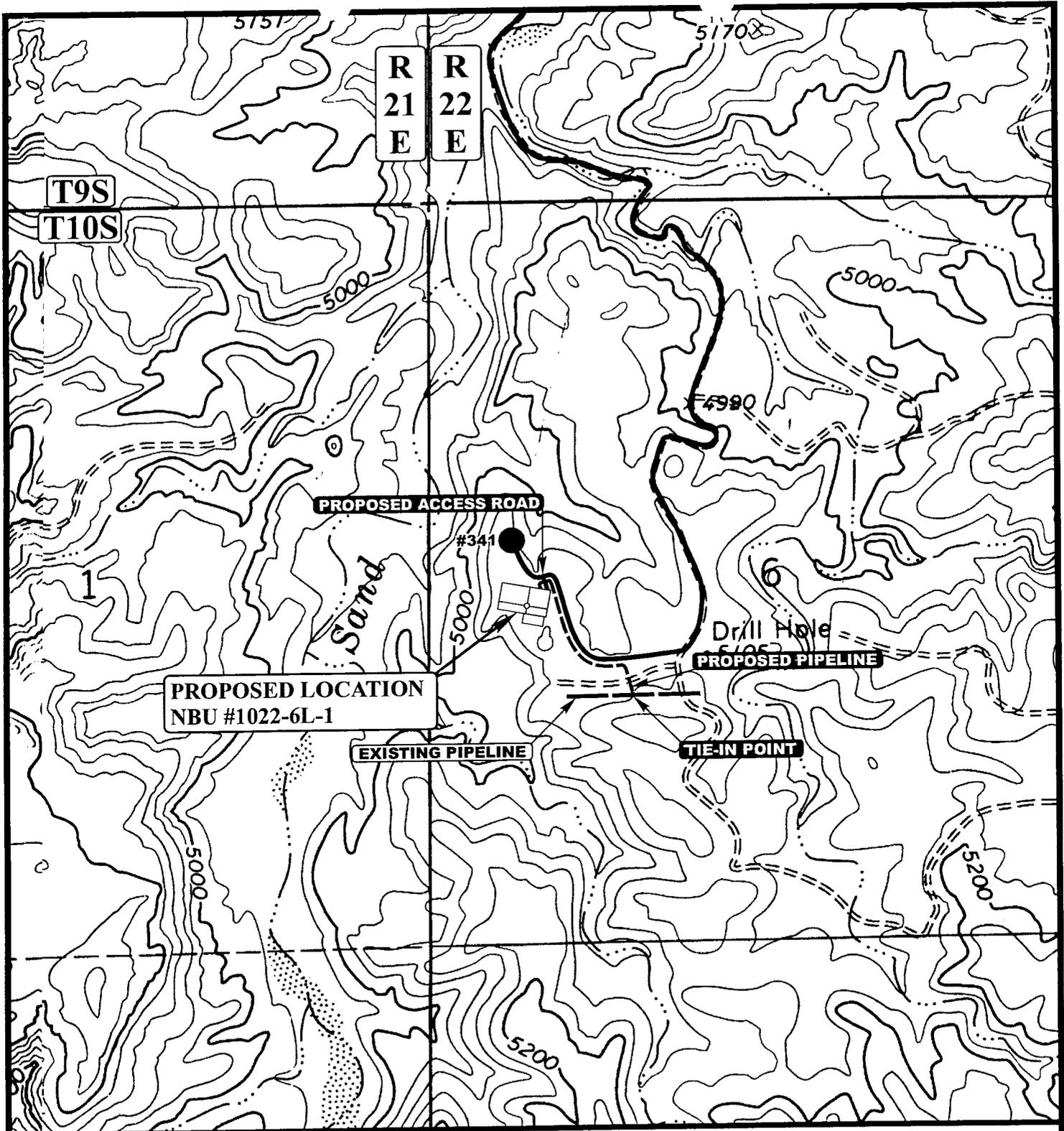
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

04	18	06
MONTH	DAY	YEAR

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





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,350' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-6L-1

SECTION 6, T10S, R22E, S.L.B.&M.

2451' FSL 708' FWL



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

TOPOGRAPHIC	04	18	06
MAP	MONTH	DAY	YEAR
SCALE: 1" = 1000'	DRAWN BY: C.P.		REVISED: 07-05-06



Kerr-McGee Oil & Gas Onshore LP
NBU #1022-6L-1
PIPELINE ALIGNMENT
LOCATED IN UINTAH COUNTY, UTAH
SECTION 6, T10S, R22E, S.L.B.&M.

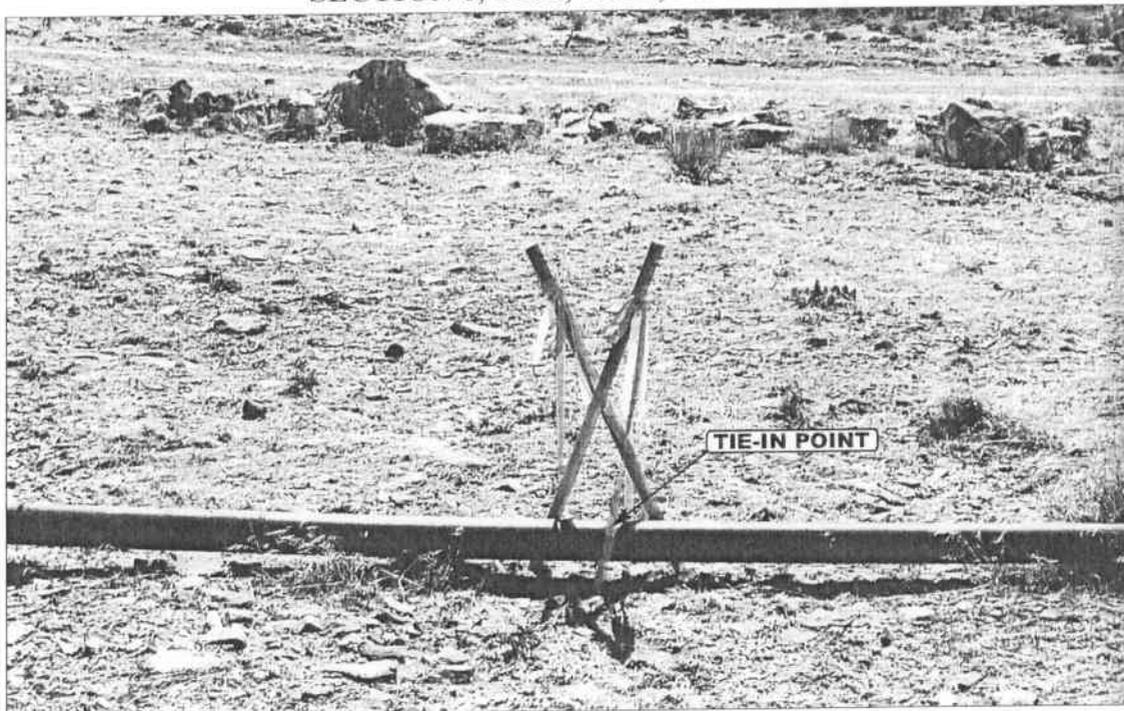


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHERLY

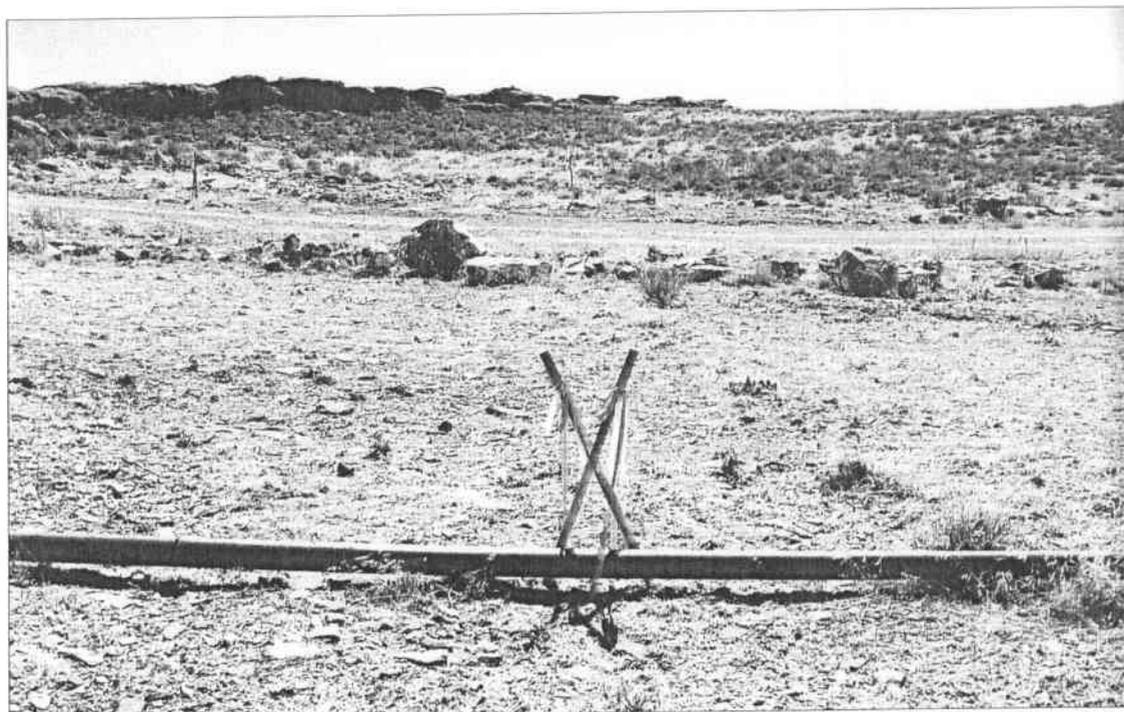


PHOTO: VIEW OF PIPELINE AT LOCATION

CAMERA ANGLE: SOUTHERLY



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

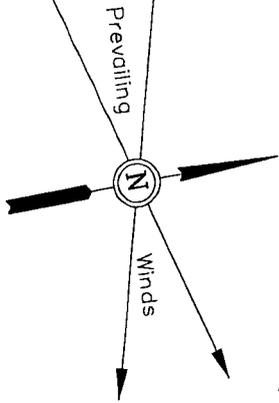
- Since 1964 -

PIPELINE PHOTOS	04	18	06	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: P.J.	DRAWN BY: C.P.		REVISED: 00-00-00	

Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

NBU #1022-6L-1
SECTION 6, T10S, R22E, S.L.B.&M.
2451' FSL 708' FWL



C-3.2'
El. 5101.7'

Sta. 3+50

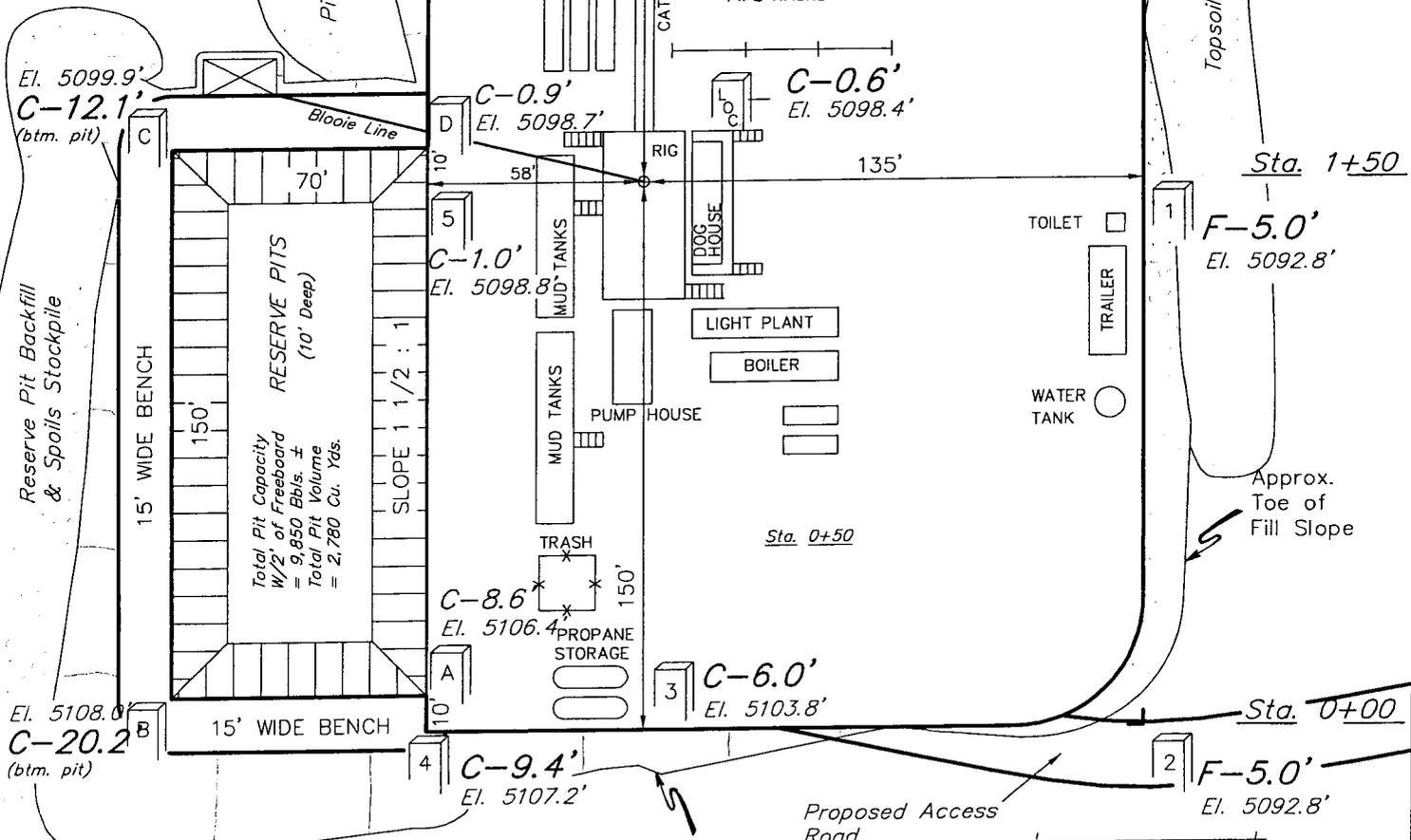
SCALE: 1" = 50'
DATE: 04-20-06
Drawn By: C.H.



Round Corners
as Needed

NOTE:

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5098.4'
FINISHED GRADE ELEV. AT LOC. STAKE = 5097.8'

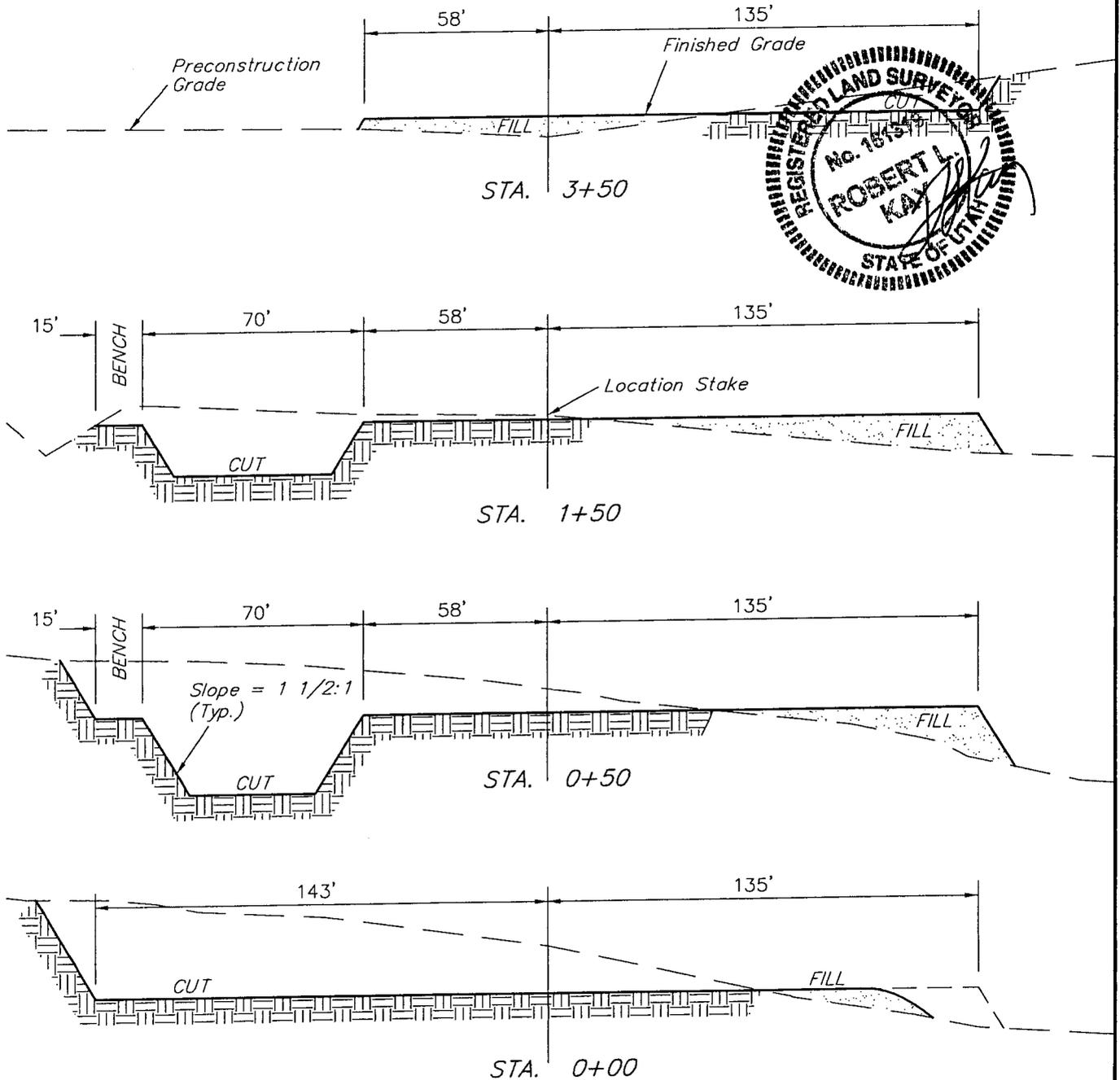
FIGURE #1

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR
 NBU #1022-6L-1
 SECTION 6, T10S, R22E, S.L.B.&M.
 2451' FSL 708' FWL

1" = 20'
 X-Section
 Scale
 1" = 50'
 DATE: 04-20-06
 Drawn By: C.H.



APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,810 Cu. Yds.
Remaining Location	=	8,360 Cu. Yds.
TOTAL CUT	=	10,170 CU.YDS.
FILL	=	4,570 CU.YDS.

EXCESS MATERIAL	=	5,600 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	2,400 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: 43-047-38526

WELL NAME: NBU 1022-6L-1
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NWSW 06 100S 220E
 SURFACE: 2451 FSL 0708 FWL
 BOTTOM: 2451 FSL 0708 FWL
 COUNTY: UINTAH
 LATITUDE: 39.97752 LONGITUDE: -109.4872
 UTM SURF EASTINGS: 629179 NORTHINGS: 4426148
 FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-0464
 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: 12-2-1969
Siting: 460' W u barry Fullerton Tract
- R649-3-11. Directional Drill

COMMENTS: Sq. Separate file

STIPULATIONS: 1- Federal Approval
2- OIL SHALE



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 1022-6L-1 Well, 2451' FSL, 708' FWL, NW SW, Sec. 6,
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 43-047-38526.

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 1022-6L-1

API Number: 43-047-38526

Lease: UTU-0464

Location: NW SW Sec. 6 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-0464

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 1022-6L-1

9. API Well No.

4304738526

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)

2451' FSL, 708' FWL
NWSW, SEC 6-T10S-R22E

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

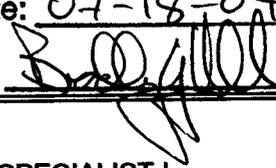
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON AUGUST 29, 2006.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-18-07

By: 

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

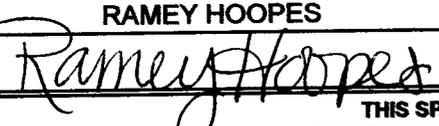
Name (Printed/Typed)

RAMEY HOOPES

Title

LAND SPECIALIST I

Signature



Date

July 5, 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)

RECEIVED
JUL 20 2007
PM

JUL 17 2007

DIV. OF OIL, GAS & MINING

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

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

API: 4304738526
Well Name: NBU 1022-6L-1
Location: NWSW, SEC 6-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 Hoopes
Signature

7/5/2007

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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779		7. UNIT or CA AGREEMENT NAME: 891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2451' FSL & 708' FWL COUNTY: Uintah		8. WELL NAME and NUMBER: NBU 1022-6L-1
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 6 10S 22E STATE: UTAH		9. API NUMBER: 4304738526
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field

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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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: 07-14-08
By: [Signature]

COPY SENT TO OPERATOR
Date: 7.15.2008
Initials: KS

NAME (PLEASE PRINT) <u>Kevin McIntyre</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
DIV. OF OIL, GAS & MINING



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

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

API: 4304738526
Well Name: NBU 1022-6L-1
Location: NWSW Sec. 6, 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

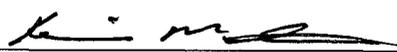
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-01195

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 1022-6L-1

9. API Well No.

43-047-38526

10. Field and Pool, or Exploratory

NATURAL BUTTES

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

SEC. 6, T10S, R22E

12. County or Parish

UINTAH

13. State

UTAH

1a. Type of Work: DRILL

REENTER

b. Type of Well: Oil Well Gas Well Other

Single Zone Multiple Zone

2. Name of Operator

KERR MCGEE OIL & GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface **NENWSW LOT 6, 2451'FSL, 708'FWL**

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*

21.75 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)

708'

16. No. of Acres in lease

577.75

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

9200'

20. BLM/BIA Bond No. on file

BOND NO: WY-2357 WY3000291

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

5098'UNGRADED GL

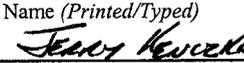
22. Approximate date work will start*

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:

- | | |
|---|---|
| <p>1. Well plat certified by a registered surveyor.</p> <p>2. A Drilling Plan.</p> <p>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).</p> | <p>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</p> <p>5. Operator certification.</p> <p>6. Such other site specific information and/or plans as may be required by the authorized office.</p> |
|---|---|

<p>25. Signature </p>	<p>Name (Printed/Typed) SHEILA UPCHEGO</p>	<p>Date 10/24/2006</p>
<p>Title REGULATORY ANALYST</p>	<p>Name (Printed/Typed)  TERRY KEENEY</p>	<p>Date AUG 25 2008</p>
<p>Approved by (Signature) </p>	<p>Office VERNAL FIELD OFFICE</p>	
<p>Title Assistant Field Manager Lands & Mineral Resources</p>		

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

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

UDOGM

06 BM 1677A

NDS 05/09/06



**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:	Lot 6, Sec. 6, T10S, R22E
Well No:	NBU 1022-6L-1	Lease No:	UTU-01195
API No:	43-047-38526	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).
- As in the APD, the operator has committed to not construct or drill from February 1st to July 15th to help protect golden eagles while they are nesting.

**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 500 ft above the surface casing shoe. Cement Top (TOC) standard will place cement behind casing across formation lost circulation zone, Birds Nest Zone.
- 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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
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 1022-6L-1
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385260000
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: 2451 FSL 0708 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 06 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 6/29/2009	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'.
 RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 06/29/2009 AT 1330 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 July 01, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/1/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
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
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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: 2451 FSL 0708 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 06 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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<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: 11/26/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

FINISHED DRILLING FROM 2130' TO 9258' ON 11/24/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. PUMP 20 BBLS WATER SPACER. LEAD CMT W/606 SX CLASS G PREM LITE @ 12.5 PPG, 2.02 YIELD. TAILED CMT W/129 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DROP PLUG & DISPLACE W/143.5 BBLS CLAYTREAT WATER, CMT BACK @ 113.5 BBLS DISPLACEMENT. 30 BBLS CMT TO RESERVE PIT. BUMP PLUG W/3428 PSI. FINAL LIFT PSI OF 2750. EST TOP OF TAIL 4000'. PLUG BACK @ 9202. FLUSH OUT STACK, BUSTER & CHOKE. N/D BOP & CLEAN PITS. RELEASE PIONEER 69 RIG ON 11/26/2009 AT 04:00 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 30, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/30/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
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
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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: 2451 FSL 0708 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 06 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/9/2010	<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
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 1/9/2010 AT 10:00 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 January 11, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 1/11/2010

UTAH-NORTH REGION

: NBU 1022-6L-1		Spud Conductor: 6/29/2009		: 6/30/2009
: UTAH-UINTAH		: NBU 1022-6L-1		: PIONEER 69/69, PROPETRO/
: DRILLING		: 4/21/2009		: 11/26/2009
: RKB @5,116.00ft (above Mean Sea Level)		: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0		

DATE	TIME	ACTIVITY	WELL	STATUS	TYPE	DESCRIPTION
6/30/2009	9:30 - 10:30	DRLSUR	01	B	P	MIRU PROPETRO RIG #8
	10:30 - 16:00	DRLSUR	02	A	P	DRILL 40'- 510'(470',85'/HR) W/ AIR HAMMER AND AIR MIST.
	16:00 - 16:30	DRLSUR	10	B	P	SURVEY WITH MULTISHOT WIRELINE SURVEY TOOL. 500'=.5 DEG 132.3 AZI
	16:30 - 0:00	DRLSUR	02	A	P	DRILL 510'- 930' (420',56'/HR) W/ AIR HAMMER AND AIR MIST.
7/1/2009	0:00 - 4:00	DRLSUR	02	A	P	DRILL 890'- 1060', W/ AIR HAMMER AND AIR MIST
	4:00 - 4:30	DRLSUR	10	B	P	SURVEY W/ MULTISHOT WIRELINE TOOL=.2 DEG 161.3 RAW AZI
	4:30 - 8:00	DRLSUR	02	A	P	DRILL 1060'- 1230'. W/ AIR HAMMER AND AIR MIST.
	8:00 - 8:30	DRLSUR	10	B	P	SURVEY W/ MULTISHOT WIRELINE TOOL=.1 DEG 161.3 RAW AZI
7/2/2009	8:30 - 12:00	DRLSUR	06	A	P	TRIP FOR TRI CONE BIT. AIR HAMMER STOPPED DRILLING., LD AIR HAMMER P/U TRICONE AND 8" COLLARS.
	12:00 - 0:00	DRLSUR	02	A	P	DRILL FROM 1230'- 1470'. DRILL W/ AERATED WATER.
	0:00 - 7:00	DRLSUR	02	A	P	DRILL 1470'- 1560' WITH TRICONE AND SKID PUMP. WATER 1530'.
	7:00 - 7:30	DRLSUR	10	B	P	SURVEY W/ MULTISHOT WIRELINE TOOL. 1510'=.4 DEG 133.3 RAW AZI
7/3/2009	7:30 - 23:30	DRLSUR	02	A	P	DRILL 1560' TO 1860' WHILE AERATING HAD CROSS COMMUNICATION W/ MOUSE HOLE, DRILLED AHEAD W/ NO CIRC. TO PREVENT WASH OUT OF CONDUCTOR PIPE.
	23:30 - 0:00	DRLSUR	10	B	P	SURVEY 1800'=.6 DEG W/ 151.9 AZI
	0:00 - 10:30	DRLSUR	02	D	P	DRILL 1890'-2130' (TD 10:30 7/3/2009) DRILL W/ NO RETURNS. PUMP WITH SKID PUMP. FLUSH HOLE.
	10:30 - 11:00	DRLSUR	05	A	P	LAY DOWN DRILL STRING AND BHA.
7/3/2009	11:00 - 15:30	CSG	06	D	P	HOLD SAFETY MEETING AND RUN 48 JTS OF 36# J-55 9-5/8" CSG TO 2101' KB, LAND FLOAT COLLAR @ 2055' KB.
	15:30 - 17:30	CSG	12	C	P	RIG DOWN RIG, WAIT TO FLUSH PIPE AND MOVE TO THE NBU 1022-3CT.
	17:30 - 18:00	RDMO	01	E	P	PUMP 170 BBLs OF FLUSH, 20 BBLs OF GEL WATER, PUMP 260 SX(52 BBLs) 15.8#, 1.15 YD. 5 GAL SK, PREMIUM CEMENT., DROP PLUG ON FLY, DISPLACE W/ 159 BBLs OF H2O, NO RETURNS THROUGH OUT, TOP OUT W/ 100 SX(20 BBLs) OF 4% CALC 15.8#, 1.15 YD, 5 GAL SK OF PREMIUM CEMENT. WAIT 1.5 HRS AND TOP OUT WITH 100 SX(20 BBLs) OF 4% CALC 15.8#, 1.15 YD, 5 GAL SK CEMENT. WAIT 2 HRS.
	18:00 - 23:30	CSG	12	E	P	TOP OUT W/ 135 SX OF 15.8# TAIL. 2 BBLs OF CEMENT TO SURFACE. CEMENT STAYING, RIG DOWN CEMENTERS.
11/16/2009	14:00 - 0:00	DRLPRO	01	E	P	RDRT TO MOVE TO NBU 1022-6L-1
11/17/2009	0:00 - 6:00	DRLPRO	21	C	P	WAIT ON DAYLIGHTS
	6:00 - 11:30	DRLPRO	01	A	P	HELD SAFETY MEETING. MOVE TO NBU 1022-6L-1. WESTROCK 4-BED,2-HAUL,2-FORKLIFT,3-SWAMPERS,1-PUSHER. RELEASED @ 11:30

RECEIVED January 11, 2010

LOG REPORT HEADLINE						
: NBU 1022-6L-1		Spud Conductor: 6/29/2009		: 6/30/2009		
: UTAH-UINTAH		: NBU 1022-6L-1		: PIONEER 69/69, PROPETRO/		
: DRILLING		: 4/21/2009		: 11/26/2009		
: RKB @5,116.00ft (above Mean Sea Level)		: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0				
	11:30 - 18:00	DRLPRO	01	B	P	RAISE DERRICK,SCOPE SUB & DERRICK,RURT J & C ENTERPRISE 1-OPERATOR, 2 SWAMPERS. RELEASED @ 12:00
	18:00 - 22:00	DRLPRO	14	A	P	NIPPLE UP BOP,CHOKE,ETC
	22:00 - 0:00	DRLPRO	15	A	P	HELD SAFETY MEETING RIG UP & TEST BOP
11/18/2009	0:00 - 3:00	DRLPRO	15	A	P	TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVES 250-5000 PSI. TEST HYDRIL 250-2500 PSI. TEST CSG TO 1500 PSI & HOLD F/30 MIN
	3:00 - 8:00	DRLPRO	06	A	P	RIG UP KIMZEY CSG & PICK UP BHA,MWD TOOLS & TIH
	8:00 - 9:00	DRLPRO	09	A	P	SLIP & CUT DRLG LINE
	9:00 - 10:00	DRLPRO	07	A	P	RIG SERVICE & PRE SPUD INSPECTION
	10:00 - 11:30	DRLPRO	02	F	P	DRILL CEMENT & FLOAT EQUIPMENT. FLOAT 2068' SHOE 2110' ROTARY SPUD @ 11:30 11/18/2009
	11:30 - 0:00	DRLPRO	02	B	P	DRILL F/ 2144'- 3788' 1644' @ 131.52 FPH, WOB 13, RPM 50, MRPM 104, UP/DN/ROT 115/105/110, ON/OFF PSI 1350/1100, DIFF PSI 250, SWEEPING HOLE. VIS 26, WT 26
11/19/2009	0:00 - 13:30	DRLPRO	02	B	P	DRILL F/ 3788'- 5906' 2118' @ 156.8 FPH, WOB 13-16, RPM 55, MRPM 104, UP/DN/ROT 143/137/133, ON/OFF PSI 1700/1415, DIFF PSI 285, VIS 27, WT 8.7 & SWEEPING HOLE
	13:30 - 14:00	DRLPRO	07	A	P	RIG SERVICE
	14:00 - 0:00	DRLPRO	02	B	P	DRILL F/ 5906' - 6851' 945' @ 94.5 FPH, WOB 18-20, RPM 55, MRPM 104, UP/DN/ROT 150/140/146, ON/OFF PSI 1550/1350, DIFF PSI 200, VIS 30, MW 9.4
11/20/2009	0:00 - 5:00	DRLPRO	02	B	P	DRILL F/ 6851'- 7037' 186' @ 37.2 FPH, BT WT 22-24,RPM 55, MRPM 104, UP/DN/ROT 160/152/156, ON/OFF PSI 1480/1159, DIFF PSI 321, VIS 30, MW 9.4 450 PSI LOSS.
	5:00 - 7:30	DRLPRO	05	C	X	CIRC F/ BIT TRIP. HOLE TAKING FLUID MIX LCM TO 8% & TRANSFER MUD F/ UPRIGHTS TO BUILD VOL.
	7:30 - 9:00	DRLPRO	06	A	P	HELD SAFETY MEETING. TOOH HOLE TAKING FLUID ON BACK SIDE
	9:00 - 10:00	DRLPRO	06	A	X	TIH TO 5010'
	10:00 - 12:00	DRLPRO	05	A	P	BREAK CIRC @ 80 SPM, RAISE LCM TO 20% & TRANSFER MUD TO BUILD VOL.
	12:00 - 15:30	DRLPRO	06	A	P	TOOH,LD DN MWD TOOLS,MOTOR & BIT.WASH WAS IN HANG OFF SUB.
	15:30 - 20:30	DRLPRO	06	A	P	PICK UP .16 MOTOR & HUGHES Q506F & TIH. HOLE NOT DISPLACING UNLESS PUMPING ON BACK SIDE, HOLE TAKING FLUID. FILLED @ 2125',5125' TOTAL MUD LOSS TODAY 800 BBLS
	20:30 - 21:00	DRLPRO	03	E	P	REAM TO BOTTOM.NO FILL
	21:00 - 0:00	DRLPRO	02	B	P	DRILL F/ 7037' - 7167' 130' @ 43.3 FPH, BT WT 18-20, RPM 50, MRPM 76, UP/DN/ROT 150/140/147, ON/OFF 2450/2300, DIFF PSI 150, VIS 40, MW 10.5, LCM 20%
11/21/2009	0:00 - 16:00	DRLPRO	02	B	P	DRILL F/ 7167'- 8146' 979 @ 61.1 FPH, WOB 18-20, RPM 50, MRPM 76, UP /DN/ROT 175/158/162, ON/OFF PSI 2527/2250, DIFF PSI 277, VIS 40, MW 10.5, HOLE TAKING FLUID RAISE LCM 25%
	16:00 - 16:30	DRLPRO	07	A	P	RIG SERVICE
	16:30 - 0:00	DRLPRO	02	B	P	DRILL F/ 8146' - 8557' 411' @ 54.8 FPH, WOB 20, RPM 50, MRPM 73, UP/DN/ROT 180/160/168, ON/OFF PSI 2356/2056, DIFF PSI 300, VIS 41, MW 11.6, LCM 28% HOLE TAKING FLUID

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US ROCKIES REGION

: NBU 1022-6L-1	Spud Conductor: 6/29/2009	: 6/30/2009
: UTAH-UINTAH	: NBU 1022-6L-1	: PIONEER 69/69, PROPETRO/
: DRILLING	: 4/21/2009	: 11/26/2009
: RKB @5,116.00ft (above Mean Sea Level)	: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0	

11/22/2009	0:00 - 3:00	DRLIN1	02	B	P	DRILL F/ 8557'-8736' 179' TOTAL @ 59.6 FPH TOOK GAS KICK 50 BBL GAIN W/ 11.0 MW, SOFT SHUT IN TO CONTROL PITS F/ OVER FLOWING & CIRC THRU BUSTER. 300 CSG PSI W/ FULL OPEN CHOKE, 30'-40' FLARE. CIRC & KILL GAS W/ 11.6 MW. HOLE TAKING FLUID RAISING LCM TO 28%,WAIT ON MUD F/ HP 298 & ENSIGN 145 & 146 TO BUILD VOLUME. DRILL F/ 8736' - 8778' 42' @ 28.0 FPH TOOK GAS KICK 23 BBL GAIN W/ 11.8 MW 30' FLARE.CIRC & RAISE MUD WT TO 12.1 & LCM TO 33%. ESTIMATED 1400 BBL MUD LOSS SINCE YESTERDAY @ MUD REPORT TIME. DRILL F/ 8778' - 9031' 253' @ 29.7 FPH. WOB 22, RPM 50, MRPM 72, UP/DN/ROT 177/160/170. ON/OFF PSI 2400/2030. DIFF PSI 370. VIS 44, MW 12.1, LCM 32% HOLE NOT LOOSING FLUID
	3:00 - 9:00	DRLIN1	05	B	X	
	9:00 - 10:30	DRLIN1	02	B	P	
	10:30 - 15:30	DRLIN1	05	B	P	
	15:30 - 0:00	DRLIN1	02	B	P	
11/23/2009	0:00 - 9:30	DRLPRO	02	B	P	DRILL F/ 9031'- 9290' 259' @ 27.2 FPH, WOB 22-24, RPM 50,MRPM 61, UP/DN/ROT 177/160/170, ON/OFF CIRC F/ SHORT TRIP. HOLE TAKING FLUID W/ 12.2 MW. LOST 85 BBLS SHORT TRIP TO 6900'. HOLE HOLDING FLUID ON BACK SIDE CIRC @ 75 SPM TO LDDS TOOH & LDDS. NO PILL PUMPED, USING MUD BUCKET, HOLE STARTED FLOWING @ 4538' TOOK 11 BBL GAIN 20' FLARE. KELLY UP & CIRC OUT GAS. RAISE MW TO 12.5+ CIRC OUT GAS, RAISE MUD WT TO 12.6+ MW ALL THE WAY AROUND. HOLE STABILIZED NO FLOW. LDDS TO 2100' HOLE FLOWING. KELLY UP & BREAK CIRC CIRC OUT GAS,RAISE MUD WT TO 13.0 & SPOT 40 BBL 14.8 PILL @ SHOE. HOLE STABILIZED W/ NO FLOW LDDS TO 1873' HOLE SURGING GAS. KELLY UP & BRK CIRC CIRC OUT GAS. TIH W/ DP FLOAT QUIT HOLDING INSTALL TIW VALVE & KELLY UP. CIRC OUT GAS STAGE IN HOLE TO BOTTOM 9290' W/ DRILL STRING. BROKE CIRC & CIRC OUT GAS @ 2233'/2715'/3497'/4911'/6381'/8432'/ WASH & REAM 42' TO BOTTOM, NO FILL CIRC @ 80 SPM ,MAINTAIN 12.8 MW & MIX LCM TO 35%, HOLE TAKING FLUID. LOST 125 BBLS TOTAL. SPOT 40 BBL 14.8 PILL ON BOTTOM. TOOH RACKING 37 STDS BACK IN DERRICK TO 7000' SPOT 80 BBL 14.8 PILL
	9:30 - 11:30	DRLPRO	05	C	P	
	11:30 - 14:00	DRLPRO	06	E	P	
	14:00 - 16:30	DRLPRO	05	C	P	
	16:30 - 21:00	DRLPRO	06	D	P	
11/24/2009	21:00 - 0:00	DRLPRO	05	B	X	LDDS TO 1873' HOLE SURGING GAS. KELLY UP & BRK CIRC CIRC OUT GAS. TIH W/ DP FLOAT QUIT HOLDING INSTALL TIW VALVE & KELLY UP. CIRC OUT GAS STAGE IN HOLE TO BOTTOM 9290' W/ DRILL STRING. BROKE CIRC & CIRC OUT GAS @ 2233'/2715'/3497'/4911'/6381'/8432'/ WASH & REAM 42' TO BOTTOM, NO FILL CIRC @ 80 SPM ,MAINTAIN 12.8 MW & MIX LCM TO 35%, HOLE TAKING FLUID. LOST 125 BBLS TOTAL. SPOT 40 BBL 14.8 PILL ON BOTTOM. TOOH RACKING 37 STDS BACK IN DERRICK TO 7000' SPOT 80 BBL 14.8 PILL LDDS, RUN 37 STDS,BREAK KELLY, LDDP. PULL WEAR BUSHING HPJSM W/ RIG & CASING CREWS, RUN 218 JTS I-80 BTC CASING TO 9246.87, R/D CIRC DOWN CASING TO BOTTOM OF 9258' 31' SHORT OF TD DO TO NMDC NOT TAKEN OUT OF BHA TALLY, NEW TD 9258', CIRC OUT GAS
	0:00 - 1:30	DRLPRO	05	B	X	
	1:30 - 4:00	DRLPRO	06	D	P	
	4:00 - 6:00	DRLPRO	05	B	X	
	6:00 - 6:30	DRLPRO	06	D	P	
	6:30 - 7:00	DRLPRO	05	B	X	
	7:00 - 7:30	DRLPRO	06	A	X	
	7:30 - 8:00	DRLPRO	05	B	X	
	8:00 - 17:00	DRLPRO	06	A	P	
	17:00 - 18:00	DRLPRO	03	E	P	
11/25/2009	18:00 - 21:30	DRLPRO	05	C	P	LDDS, RUN 37 STDS,BREAK KELLY, LDDP. PULL WEAR BUSHING HPJSM W/ RIG & CASING CREWS, RUN 218 JTS I-80 BTC CASING TO 9246.87, R/D CIRC DOWN CASING TO BOTTOM OF 9258' 31' SHORT OF TD DO TO NMDC NOT TAKEN OUT OF BHA TALLY, NEW TD 9258', CIRC OUT GAS
	21:30 - 0:00	DRLPRO	06	D	P	
	0:00 - 11:00	DRLPRO	06	D	P	
	11:00 - 18:00	DRLPRO	12	C	P	
	18:00 - 20:00	DRLPRO	05	D	P	

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LOG PRODUCTION REPORT

: NBU 1022-6L-1	Spud Conductor: 6/29/2009	: 6/30/2009
: UTAH-UINTAH	: NBU 1022-6L-1	: PIONEER 69/69, PROPETRO/
: DRILLING	: 4/21/2009	: 11/26/2009
: RKB @5,116.00ft (above Mean Sea Level)	: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0	

DATE	TIME	ACTIVITY	WELL	STATUS	REMARKS	
	20:00 - 23:00	DRLPRO	12	E	P	HPJSM W/ RIG & CEMENT CREWS, R/U & PSI TEST LINES TO 4500#, PUMP 20 BBLS WATER SPACER, LEAD 606 SXS 12.5 PPG 2.02 YLD, TAIL 1290 SXS 14.3 PPG 1.31 YLD, DROP PLUG & DISPLACE W/ 143.5 BBLS CLAYTREAT WATER, CEMENT BACK @ 113.5BBLS INTO DISPLACEMENT, 30 BBLS CEMENT TO RESERVE PIT, BUMP PLUG W/ 3428 PSI, FINAL LIFT PSI OF 2750, EST TOP OF TAIL 4000', PLUG BACK @ 9202.47, FLUSH OUT STACK, BUSTER & CHOKE, LAND CASING W/ 70K, REMOVE LANDING JT.
	23:00 - 0:00	DRLPRO	14	A	P	N/D BOP & CLEAN PITS
11/26/2009	0:00 - 4:00	DRLPRO	14	A	P	N/D BOP, CLEAN PITS, RELEASE RIG @ 04:00 11/26/09

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-6L-1	Spud Conductor: 6/29/2009	Spud Date: 6/30/2009
Project: UTAH-UINTAH	Site: NBU 1022-6L-1	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 12/30/2009	End Date:
Active Datum: RKB @5,116.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	PU	MD From (ft)	Operation
12/28/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. ROADING RIG & EQUIPMENT. CHANING UP
	7:30 - 15:00	7.50	COMP	31	I	P		RU RIG & SPOT IN RIG EQUIPMENT. ND WELL HEAD NU BOP. PU 3 7/8" MILL & 200 JTS OF 2 3/8" TBG. EOT @ 6,361'. WINTERIZE WELL HEAD. SWI SDFN
12/29/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. TRIPPING TUBING
	7:30 - 15:00	7.50	COMP	31	I	P		POOH WITH TUBING. ND BOP NU FRAC VALVES. PREP TO PRESSURE TEST CASING & FRAC VALVES & PERFORATE ZONE 1. WINTERIZE WELL HEAD. SDFN
12/30/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. PRESSURE TESTING & WIRE LINE WORK
	7:30 - 15:00	7.50	COMP	37	C	P		MIRU B&C QUICK TEST TO PRESSURE TEST. PRESSURE TEST CASING & FRAC VALVES TO 7,000 PSI. GOOD TEST. RDMO B&C QUICK TEST. MIRU CUTTERS TO PERFORATE. PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH PERF 9,058'-62' 4SPF, 9,040'-42' 4SPF, 8,930'-32' 4SPF, 8,881'-83' 4SPF, 40 HOLES. POOH W /WIRE LINE. RDMO CUTTERS. WINTERIZE WELL HEAD. SDF HOLIDAY
1/4/2010	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:30 - 13:15	5.75	COMP	46	F	Z		WAITING ON SUPERIOR TO FRAC. PRESSURE TEST PUMPS & LINES TO 8,000 PSI.
	13:15 - 13:40	0.42	COMP	36	B	P		STG 1) WHP 1,425 PSI, BRK 3,946 PSI @ 4.7 BPM, ISIP 2,472 PSI, FG .71 PUMP 100 BBLS @ 42 BPM @ 4,000 PSI = 100% OPEN MP 6,544 PSI, MR 62.8 BPM, AP 4,674 PSI, AR 50.6 BPM, ISIP 2,842 PSI, FG .75, NPI 375 PSI. PUMP 1,016 BBLS OF SW & 25,338 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 30,338 LBS
	13:40 - 15:25	1.75	COMP	36	B	P		STG 2) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 8,754' & PERF 8,720'-24' 4SPF, 8,672'-74' 3SPF, 8,638'-40' 3SPF, 8,598'-00' 4SPF, 8,568'-70' 4SPF, 44 HOLES. WHP 1,305 PSI, BRK 2,645 PSI @ 4.7 BPM, ISIP 2,091 PSI, FG .67 PUMP 100 BBLS @ 50 BPM @ 4,837 PSI = 100% OPEN MP 6,175 PSI, MR 50.8 BPM, AP 4,722 PSI, AR 49.6 BPM, ISIP 3,036 PSI, FG .78, NPI 945 PSI. PUMP 1,108 BBLS OF SW & 37,522 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 42,522 LBS

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OPERATION SUMMARY REPORT

Well: NBU 1022-6L-1 Spud Conductor: 6/29/2009 Spud Date: 6/30/2009
 Project: UTAH-UINTAH Site: NBU 1022-6L-1 Rig Name No: GWS 1/1
 Event: COMPLETION Start Date: 12/30/2009 End Date:
 Active Datum: RKB @5,116.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	WV	MD From (ft)	Operation
	15:25 - 17:15	1.83	COMP	36	B	P		STG 3) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 8,532' & PERF 8,498'-02' 4SPF, 8,472'-76' 3SPF, 8,438'-40' 4SPF, 8,372'-74' 4SPF, 44 HOLES. WHP 1,305 PSI, BRK 2,645 PSI @ 4.7 BPM, ISIP 2,091 PSI, FG .67 PUMP 100 BBLs @ 50 BPM @ 4,837 PSI = 100% OPEN MP 6,175 PSI, MR 50.8 BPM, AP 4,722 PSI, AR 49.6 BPM, ISIP 3,036 PSI, FG .78, NPI 945 PSI. PUMP 1,108 BBLs OF SW & 37,522 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 42,522 LBS
	17:15 - 18:15	1.00	COMP	34	H	P		STG 4) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,894' & PERF 7,858'-64' 4SPF, 7,756'-60' 4SPF, 40 HOLES.
1/5/2010	6:30 - 7:00	0.50	COMP	48		P		WINTERIZE WELL HEAD. SDFN HSM. FRACING & PERFORATING
	7:00 - 7:32	0.53	COMP	36	B	P		STG 4) WHP 920 PSI, BRK 2,471 PSI @ 2.1 BPM, ISIP 1,872 PSI, FG .67 PUMP 100 BBLs @ 50 BPM @ 4,200 PSI = 100% OPEN MP 4,925 PSI, MR 50.6 BPM, AP 4,158 PSI, AR 49.7 BPM, ISIP 2,700 PSI, FG .78, NPI 828 PSI. PUMP 810 BBLs OF SW & 23,071 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 28,071 LBS
	7:32 - 9:00	1.47	COMP	36	B	P		STG 5) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,610' & PERF 7,576'-80' 4SPF, 7,408'-12' 4SPF, 7,380'-82' 4SPF, 40 HOLES. WHP 250 PSI, BRK 4,060 PSI @ 1.9 BPM, ISIP 1,781 PSI, FG .67 PUMP 100 BBLs @ 50 BPM @ 4,212 PSI = 100% OPEN MP 5,878 PSI, MR 51.4 BPM, AP 4,843 PSI, AR 50.3 BPM, ISIP 2,285 PSI, FG .74, NPI 504 PSI. PUMP 702 BBLs OF SW & 20,158 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 25,158 LBS
	9:00 - 11:12	2.20	COMP	36	B	P		STG 6) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 7,316' & PERF 7,282'-86' 4SPF, 7,236'-38' 3SPF, 7,190'-92' 3SPF, 7,132'-36' 4SPF, 44 HOLES. WHP 1,114 PSI, BRK 1,727 PSI @ 1.9 BPM, ISIP 1,160 PSI, FG .59 PUMP 100 BBLs @ 50.7 BPM @ 4,150 PSI = 100% OPEN MP 4,639 PSI, MR 51.1 BPM, AP 3,470 PSI, AR 50.7 BPM, ISIP 2,281 PSI, FG .76, NPI 1,101 PSI. PUMP 1,530 BBLs OF SW & 57,334 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 62,334 LBS

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-6L-1	Spud Conductor: 6/29/2009	Spud Date: 6/30/2009
Project: UTAH-UINTAH	Site: NBU 1022-6L-1	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 12/30/2009	End Date:
Active Datum: RKB @5,116.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	PU	MD From (ft)	Operation
	11:12 - 12:32	1.33	COMP	36	B	P		STG 7) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,024' & PERF 6,990'-94' 4SPF, 6,924'-28' 4SPF, 6,874'-76' 4SPF, 40 HOLES. WHP 221 PSI, BRK 2,457 PSI @ 1.0 BPM, ISIP 841 PSI, FG .55 PUMP 100 BBLS @ 50.3 BPM @ 3,748 PSI = 100% OPEN MP 4,472 PSI, MR 51.0 BPM, AP 3,156 PSI, AR 49.6 BPM, ISIP 2,167 PSI, FG .75, NPI 1,326 PSI. PUMP 697 BBLS OF SW & 22,959 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 27,959 LBS
	12:32 - 13:36	1.07	COMP	36	B	P		STG 8) PU 4 1/2" BAKER CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 6,532' & PERF 6,492'-6,502' 4SPF, 40 HOLES. WHP 221 PSI, BRK 2,457 PSI @ 1.0 BPM, ISIP 841 PSI, FG .55 PUMP 100 BBLS @ 50.3 BPM @ 3,748 PSI = 100% OPEN MP 3,846 PSI, MR 51.0 BPM, AP 3,421 PSI, AR 50.3 BPM, ISIP 2,096 PSI, FG .76, NPI 425 PSI. PUMP 610 BBLS OF SW & 15,761 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 20,761 LBS
	13:36 - 18:00	4.40	COMP	34	I	P		KILL PLG) PU 4 1/2" 8K BAKER CBP & RIH SET CBP @ 6,442'. POOH W/ WIRE LINE. RDMO SUPERIOR & CUTTERS. ND FRAC VALVES NU BOP. PU 3 7/8" MILL & POBS & RIH TO 6,345'. WINTERIZE WELL HEAD. SWI SDFN.
1/6/2010	6:30 - 7:00	0.50	COMP	48		P		HSM. DRLG CBP'S

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OPERATIONAL SUMMARY
OPERATIONAL SUMMARY REPORT

Well: NBU 1022-6L-1		Spud Conductor: 6/29/2009		Spud Date: 6/30/2009	
Project: UTAH-UINTAH		Site: NBU 1022-6L-1		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 12/30/2009		End Date:	
Active Datum: RKB @5,116.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0			

Date	Time Start/End	Duration (hr)	Phase	Code	Sub Code	PAI	MD From (ft)	Operation
	7:00 - 19:00	12.00	COMP	44	C	P		RU POWER SWIVEL & BRK CIRC W/ TMAC WATER. RIH C/O 15' OF SAND TAG PLG 1 @ 6,442' DRL PLG IN 15 MIN. 500 PSI INCREASE. RIH. C/O 20' OF SAND TAG PLG 2 @ 6,532' DRL PLG IN 10 MIN. 50 PSI INCREASE. RIH. C/O 10' OF SAND TAG PLG 3 @ 7,024' DRL PLG IN 30 MIN. 400 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 4 @ 7,316' DRL PLG IN 20 MIN. 200 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 5 @ 7,610' DRL PLG IN 30 MIN. 150 PSI INCREASE. RIH. C/O 30' OF SAND TAG PLG 6 @ 7,894' DRL PLG IN 25 MIN. 150 PSI INCREASE. RIH. C/O 10' OF SAND TAG PLG 7 @ 8,532' DRL PLG IN 40 MIN. 400 PSI INCREASE. RIH. C/O 20' OF SAND TAG PLG 8 @ 8,754' DRL PLG IN 15 MIN. 700 PSI INCREASE. RIH. C/O TO 9,190' PBTD. CIRC WELL CLEAN. POOH LD 21 JTS OF 2 3/8" TBG. LAND TUBING W/ 269 JTS OF 2 3/8" J-55 TBG. EOT @ 8,536.47'. ND BOP NU WELL HEAD DROP BALL TO SHEAR BIT. BIT PUMPED OFF @ 2,450 PSI. TURN WELL OVER TO FLOW TESTERS, 7 AM FLBK REPORT: CP 2100#, TP 2025#, 20/64" CK, 60 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 2743 BBLS LEFT TO RECOVER: 5223
1/7/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2100#, TP 2025#, 20/64" CK, 60 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 2743 BBLS LEFT TO RECOVER: 5223
1/8/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2650#, TP 2050#, 20/64" CK, 45 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 4058 BBLS LEFT TO RECOVER: 3908
1/9/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2725#, TP 2050#, 20/64" CK, 35 BWPH, LIGHT SAND, 2.3 GAS TTL BBLS RECOVERED: 4928 BBLS LEFT TO RECOVER: 3038
	10:00 -		PROD	50				WELL TURNED TO SALE @ 1000 HR ON 1/9/10 - FTP 2050#, CP 2650#, 2765 MCFD, 45 BWPD, 20/64 CK
1/10/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2650#, TP 1900#, 20/64" CK, 30 BWPH, TRACE SAND, 2.5 GAS TTL BBLS RECOVERED: 5698 BBLS LEFT TO RECOVER: 2268

RECEIVED January 11, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0464
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 1022-6L-1
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385260000
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: 2451 FSL 0708 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 06 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/8/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text"/> Lease Number

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

Please be advised that the correct Lease Designation Number for this well is UTU-01195. The operator requests that the Lease Number be changed to reflect UTU-01195. Thank you.

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

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 2/8/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01195
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 1022-6L-1
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2451 FSL 0708 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 06 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: 7/12/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Wellhead Repair"/>

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

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 07/18/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 7/12/2011	

WORKORDER #:

Name: NBU 1022-6L-1 7/1/2011
Surface Location: NWSW Sec. 6, T10S, R22E
 Uintah County, UT

API: 4304738526 **LEASE#:** UTU-01195

ELEVATIONS: 5098' GL 5116' KB

TOTAL DEPTH: 9258' **PBTD:** 9203'

SURFACE CASING: 9 5/8", 36# J- 55 @ 2115'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 9246'
 TOC @ 186' per CBL (with min 50' isolation)

PERFORATIONS: Wasatch 6492' - 6994'
 Mesaverde 7132' - 9062'

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	8.921	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

GEOLOGICAL TOPS:

1236' Green River
 2092' Mahogany
 4493' Wasatch
 7117' Mesaverde

NBU 1022-6L-1- WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~6442'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

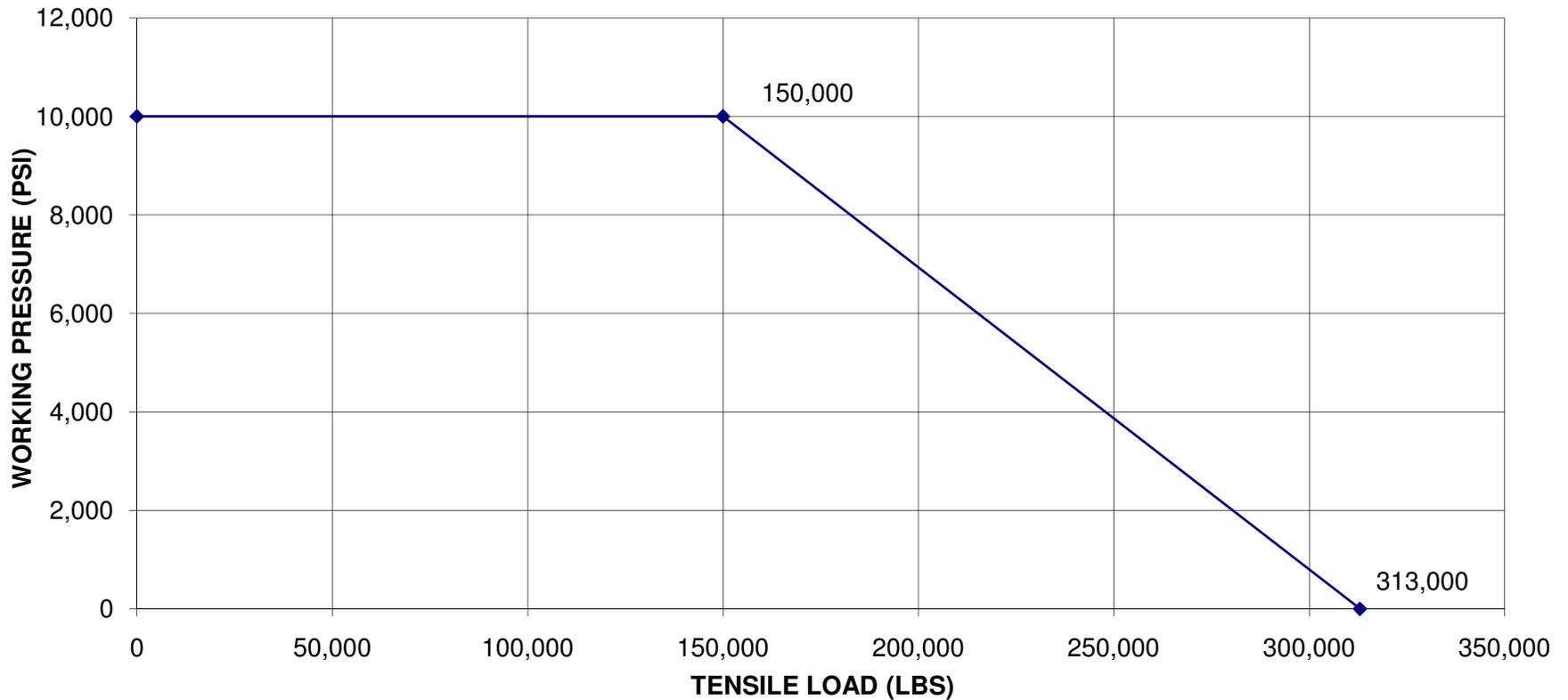
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshoot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOO H.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6392'. Clean out to PBSD (9203').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshoot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6392'. Clean out to PBSD (9203').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Jul. 12, 2011

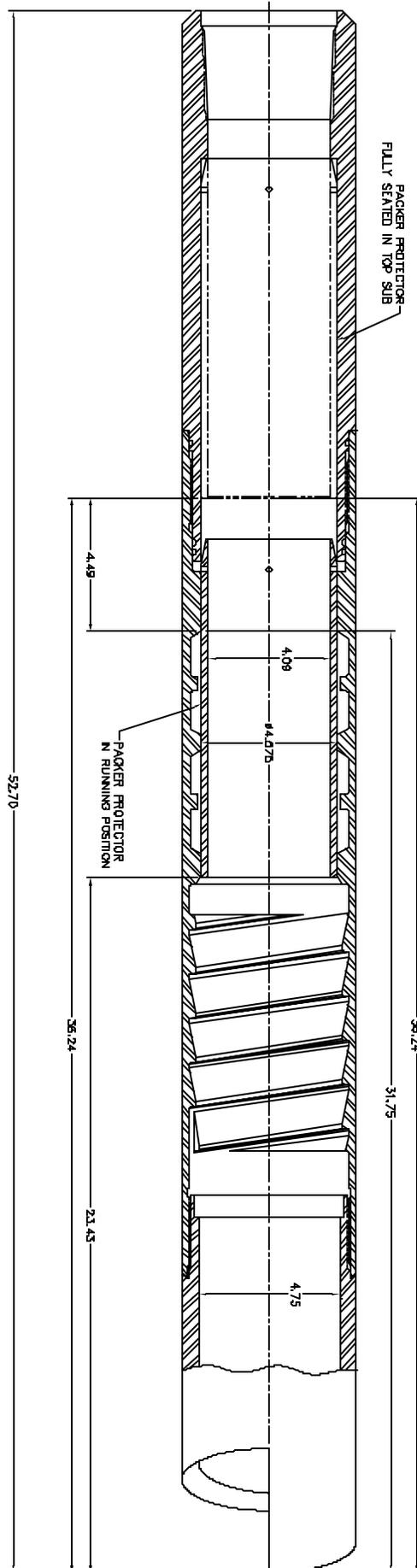


Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.



510L-005-001 4-1/2" LOGAN HP CASING PATCH

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-0464
		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 1022-6L-1
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047385260000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2451 FSL 0708 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 06 Township: 10.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/19/2011	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	<input checked="" type="checkbox"/> CASING REPAIR	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> APD EXTENSION	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator has concluded the wellhead/casing repairs on the subject well location. Please see that attached chronological history for details of the operations.		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 26, 2012
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A		DATE 7/17/2012

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-6L-1		Spud Conductor: 6/29/2009		Spud Date: 6/30/2009				
Project: UTAH-UINTAH			Site: NBU 1022-6L-1			Rig Name No: SWABBCO 6/6		
Event: WELL WORK EXPENSE			Start Date: 11/17/2011			End Date: 11/19/2011		
Active Datum: RKB @5,116.00usft (above Mean Sea Level)				UWI: 0/10/S/22/E/6/0/NWSW/6/PM/S/2,451.00/W/0/708.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/17/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= WELLCONTROL
	7:15 - 17:00	9.75	WO/REP	30		P		FWP= 100# MIRU CONT TUBING W/ 20 BBLS TMAC ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP CONT CSG W/ 20 BBLS TMAC UNLAND TUBING LD HNGR POOH W/ 269 JNTS LD BHA RU W/L RIH W/ GUAGE RNG TO 6500' PU RIH W/ 10K CIBP SET @ 6440' DUMP BAIL 2 SKS CEM ON PLG FILL HOLE W/ TMAC TEST TO 500# SIW PREP TO D/O IN AN SDFN
11/18/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= W/L SAFETY
	7:15 - 17:00	9.75	WO/REP	30		P		SIWP=0 PSI ND BOPS PU INT CUTTER CUT CSG BELOW HNGR ND W/H PU OVERSHOT RUN OVER CSG RU W/L & CSG TONGS APPLY LH TORQUE B/O PUP PU NEW 10'X 4-1/2" PUP TORQUE TO 7000# PULL 90000# TEST TO 3500# W/ 25# LOSS SET SLIPS NU WELLHEAD & BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" MILL RIH TAG TOC @ 6430' PREP TO D/O IN AM SIW SDFN
11/19/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= N2 FOAMING
	7:15 - 17:00	9.75	WO/REP	30		P		SIWP= 0# EST CIRC W/ N2 FOAM UNIT DRILL THRU CEM & CIBP @ 6440' W/0# INCREASE CONTINUE TO RIH TAG @ 9175 ' EST CIRC SOLID TAG CIRC CLEAN LD 21 JNTS LAND TUBING ON HNGR W/ 269 JNTS EOT @ 8563.47' PUMP OFF BIT RIH TO XN NPL W/ 1.901 BROACH RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW RIG DOWN RIG MOVE TO NBU 1022-6FT SDFW

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01195
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2451 FSL 0708 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 06 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/19/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
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<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Update Mineral Lease Number"/>

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

The operator requests to update the mineral lease for this well from UTU-0464 to UTU-01195.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 25, 2012

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/19/2012	