

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01191
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 1022-5I-4
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESE 1955'FSL, 139'FEL <i>632612X 39.976022</i> At proposed prod. Zone <i>4426030Y - 109.454081</i>		9. API Well No. <i>43047-38520</i>
14. Distance in miles and direction from nearest town or post office* 25.2 MILES SOUTHEAST OF OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 139'	16. No. of Acres in lease 1041.78	11. Sec., T., R., M., or Blk, and Survey or Area SEC. 5, T10S, R22E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 8760'	12. County or Parish UINTAH
20. BLM/BIA Bond No. on file BOND NO: WY-2357	13. State UTAH	17. Spacing Unit dedicated to this well 20.00
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5067'UNGRADED GL	22. Approximate date work will start*	23. Estimated duration

24. Attachments

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

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

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

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

Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

RECEIVED

AUG 28 2006

Federal Approval of this
Action is Necessary

DIV. OF OIL, GAS & MINING

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

Kerr-McGee Oil & Gas Onshore LP

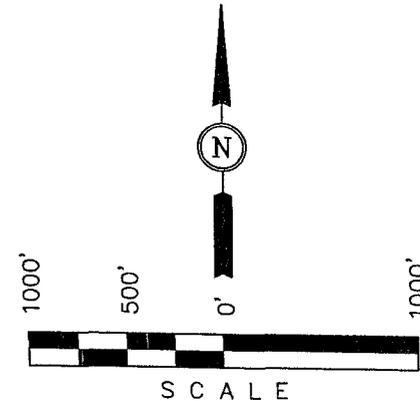
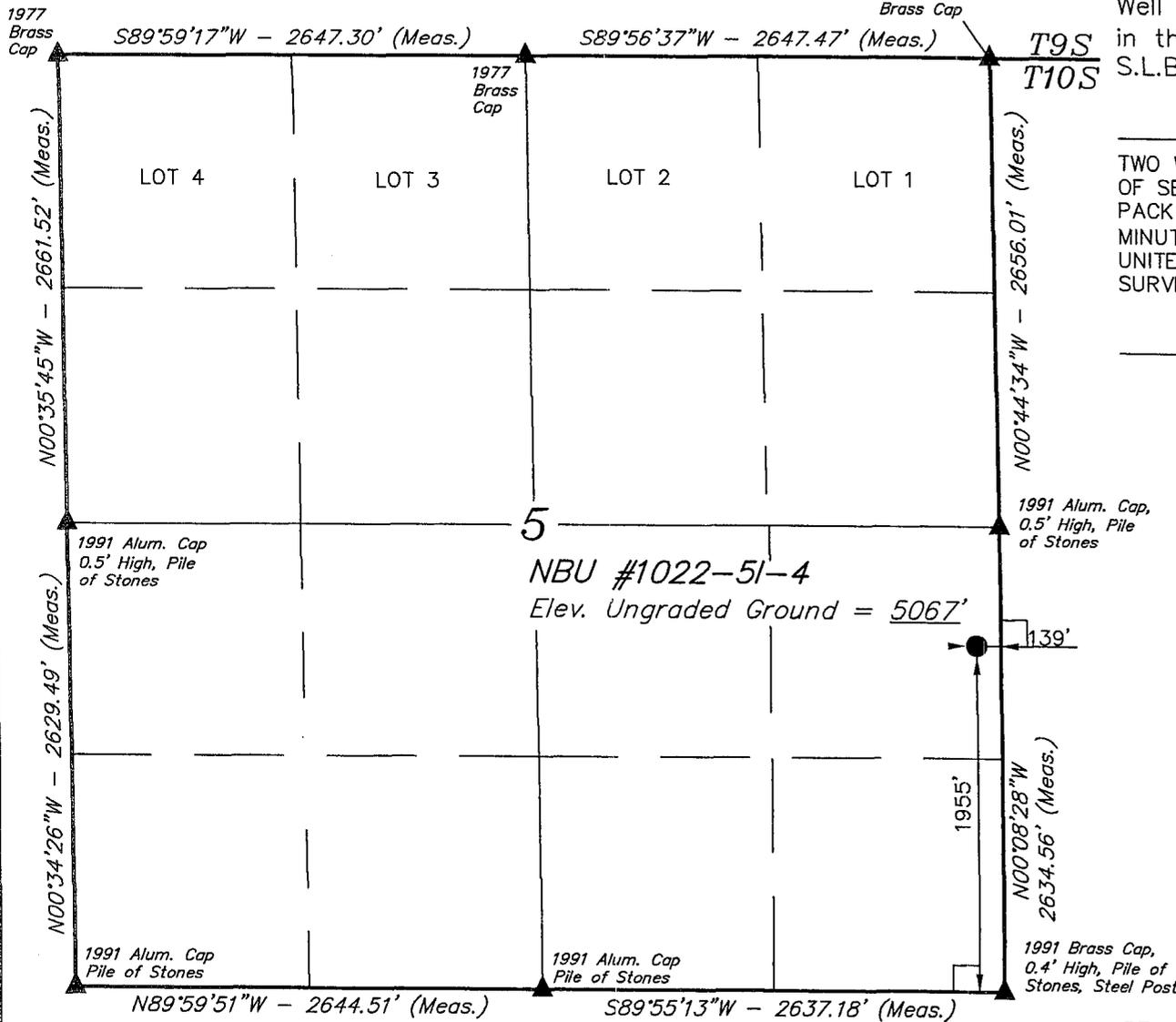
Well location, NBU #1022-51-4, located as shown in the NE 1/4 SE 1/4 of Section 5, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

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

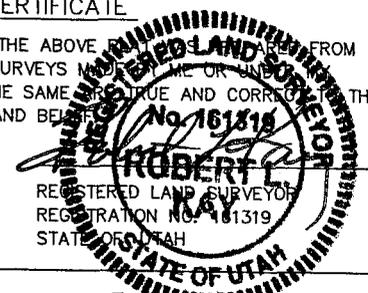
BASIS OF BEARINGS

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



CERTIFICATE

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



NOTE:
FOOTAGES FOR PROPOSED WELL HEAD ARE CALCULATED PARALLEL TO SECTION LINES

(NAD 83)
LATITUDE = 39°58'33.97" (39.976103)
LONGITUDE = 109°27'17.14" (109.454761)

(NAD 27)
LATITUDE = 39°58'34.09" (39.976136)
LONGITUDE = 109°27'14.68" (109.454078)

LEGEND:

- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

REV: 07-06-06

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 04-11-06	DATE DRAWN: 04-12-06
PARTY T.A. S.P. C.H.		REFERENCES G.L.O. PLAT
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU #1022-5I-4
SENESE SEC 5-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1138'
Top of Birds Nest Water	1451'
Mahogany	2058'
Wasatch	4262'
Mesaverde	6654'
MVU2	7651'
MVL1	8202'
TD	8760'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1138'
	Top of Birds Nest Water	1451'
	Mahogany	2058'
Gas	Wasatch	4262'
Gas	Mesaverde	6654'
Gas	MVU2	7651'
Gas	MVL1	8202'
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 8760' TD, approximately equals 5431 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3504 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

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 23, 2006
 WELL NAME NBU 1022-5I-4 TD 8,760' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,067' GL KB 5,082'
 SURFACE LOCATION SENESE SECTION 5, T10S, R22E 1955'FSL, 139'FEL BHL Straight Hole
 Latitude: 39.978103 Longitude: 109.454761
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.

GEOLOGICAL		MECHANICAL		
LOGS	FORMATION TOPS DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
	40'		14"	
		12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,262' Green River @ 1,138' Top of Birds Nest Water @ 1451' Preset f/ GL @ 1,960' MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone. Mahogany @ 2,058' Mud logging program TBD Open hole logging program f/ TD - surf csg Wasatch @ 4,262' Mverde @ 6,654' MVU2 @ 7,651' MVL1 @ 8,202' TD @ 8,760'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg Max anticipated Mud required 11.5 ppg



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 1960	32.30	H-40	STC	0.69*****	1.49	4.58
PRODUCTION	4-1/2"	0 to 8760	11.60	I-80	LTC	7780	6350	201000
						2.35	1.21	2.27

- 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 3311 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	3,760'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	410	60%	11.00	3.38
	TAIL	5,000'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1400	60%	14.30	1.31

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

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

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

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

DRILLING ENGINEER: _____

Brad Laney

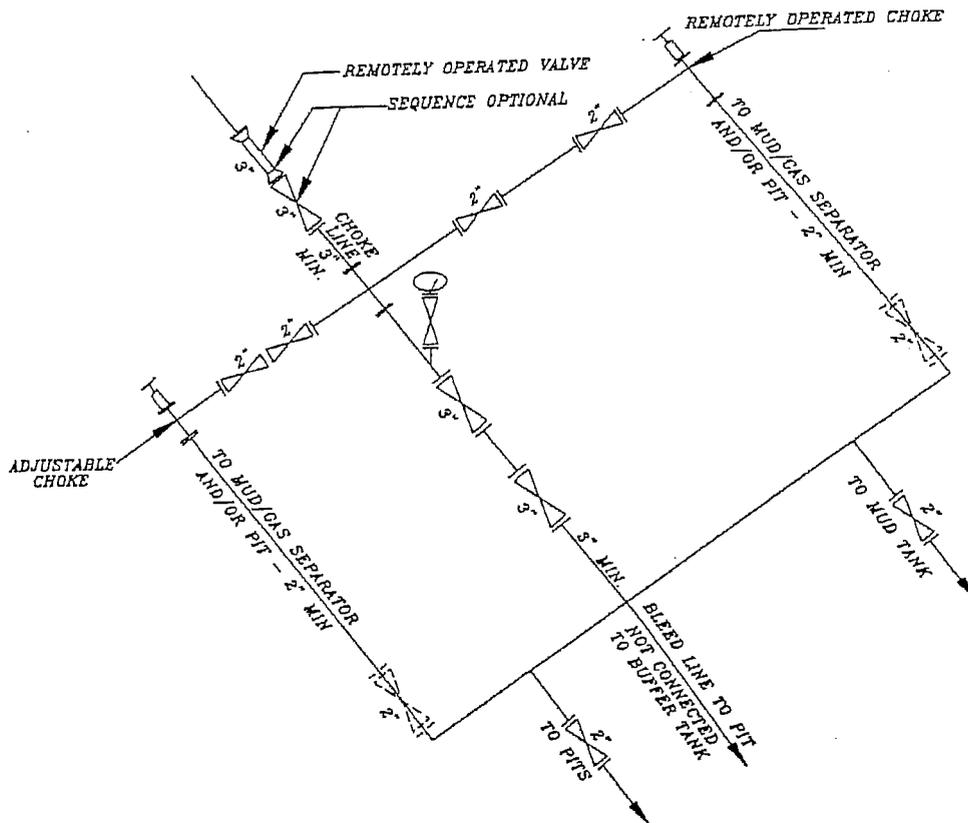
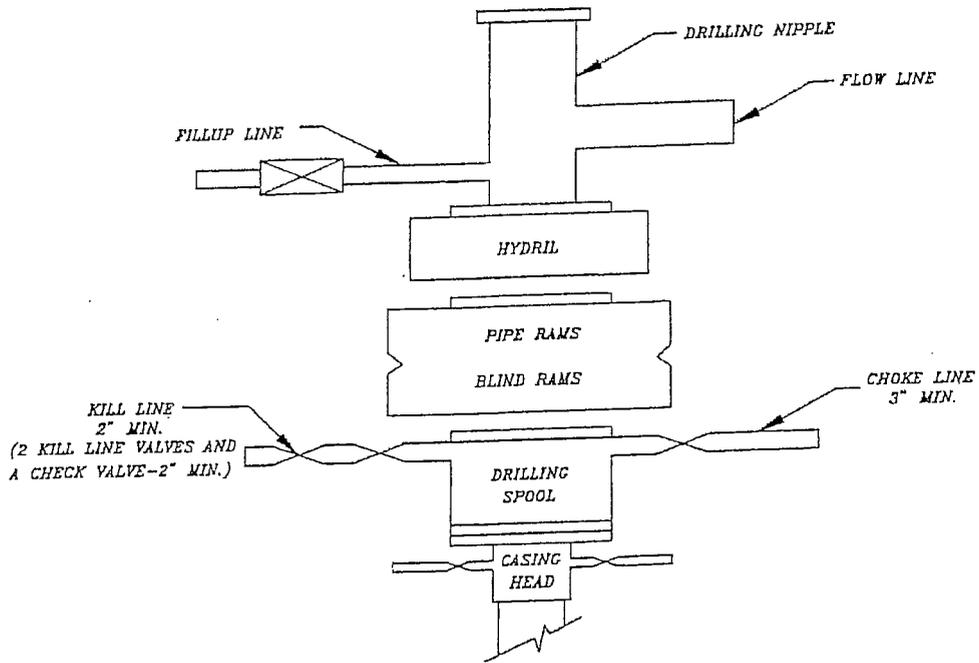
DATE: _____

DRILLING SUPERINTENDENT: _____

Randy Bayne

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU #1022-5I-4
SENESE SEC 5-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01191

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 40' +/- 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 47' +/- of 4" low pressure pipeline is proposed to tie-in to an existing pipeline is proposed. Approximately 1000' +/- of 4" high pressure pipeline is proposed to tie-in to an existing pipeline in Sec. 4, T10S, R22E on the same lease. Refer to Topo Map D.

Variances to Best Management Practices (BMPs) Requested:

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

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

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

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

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. Ancillary Facilities:

Please see the Natural Buttes SOP.

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

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

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

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

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

10. Plans for Reclamation of the Surface:

Please see the Natural Buttes SOP.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

Galletta Grass	20 lbs.
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Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. Surface Ownership:

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

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

12. Other Information:

A Class III Archaeological Survey Report No. 06-164, completed on May 3, 2006 for the well location; also, a Archaeological Survey Report No. 06-363 completed on July 31, 2006 for the pipeline. 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.

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

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

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

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

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WY-2357.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

8/23/2006

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-5I-4
SECTION 5, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 40' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 56.2 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5I-4
LOCATED IN UINTAH COUNTY, UTAH
SECTION 5, T10S, R22E, S.L.B.&M.

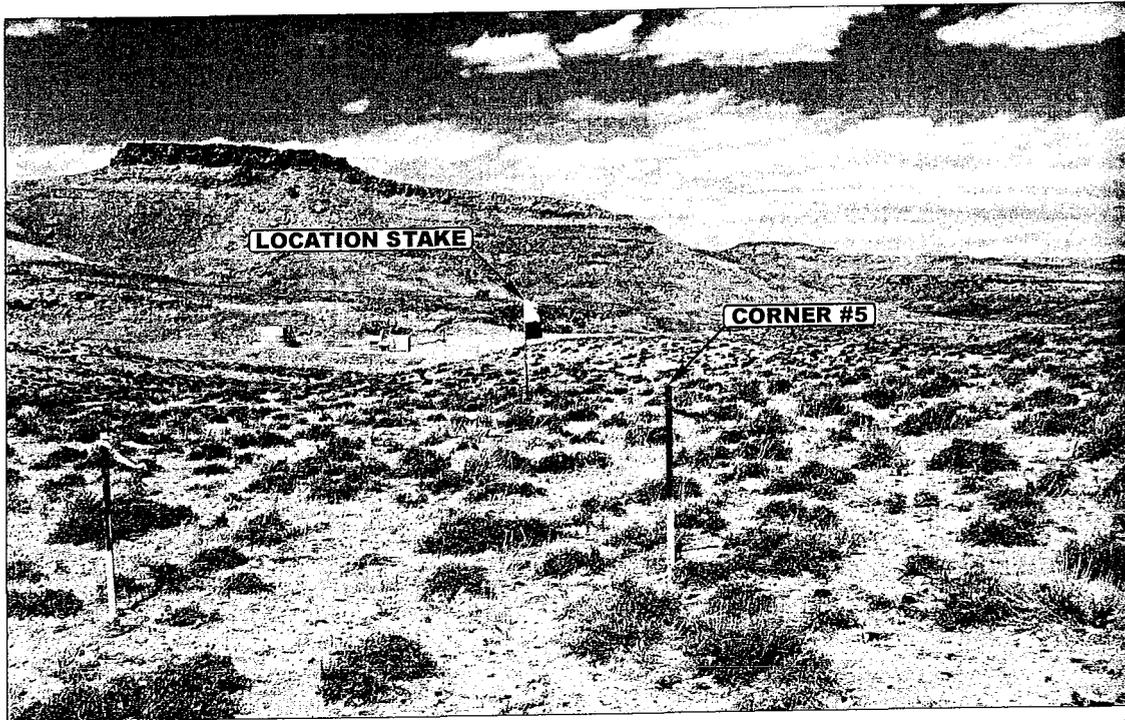


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

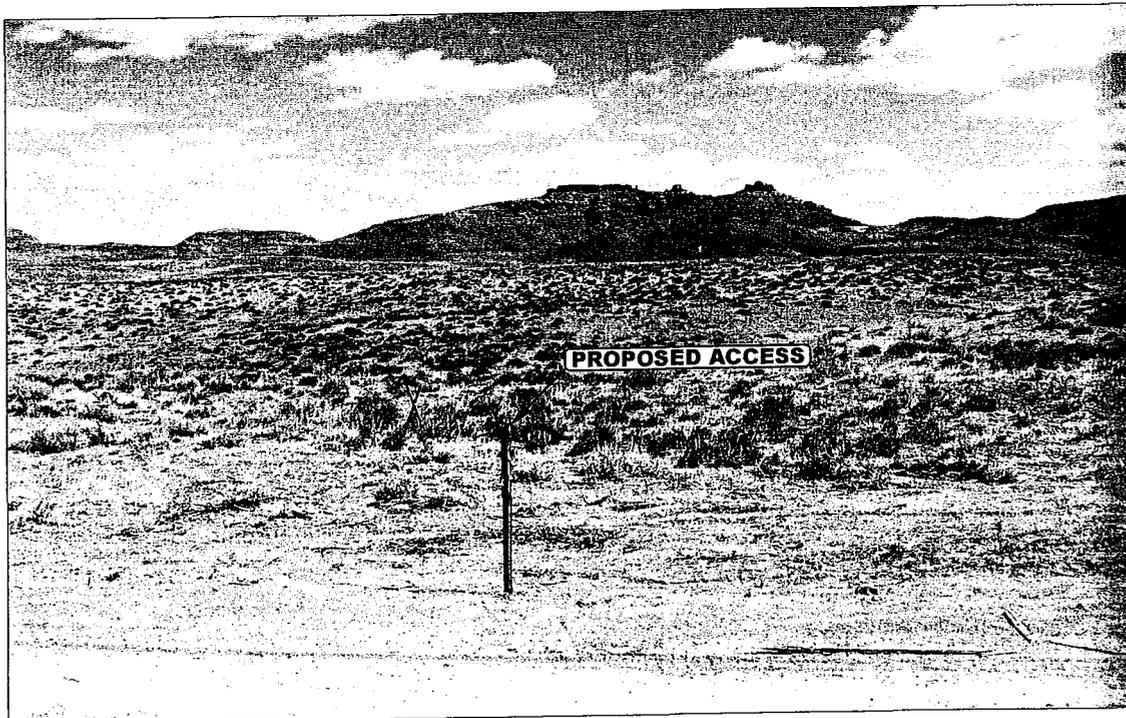


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS

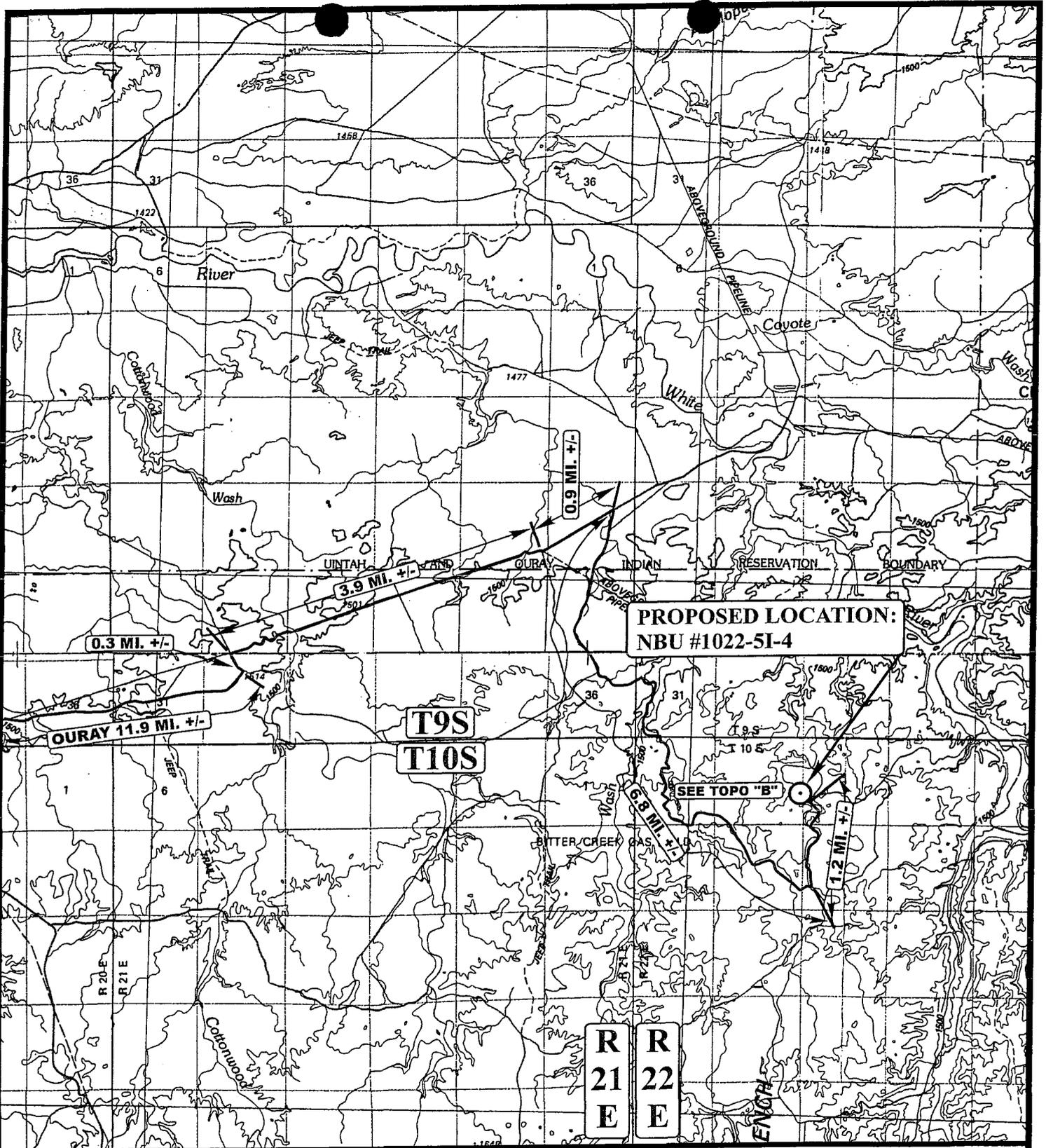
04 12 06
MONTH DAY YEAR

PHOTO

TAKEN BY: T.A.

DRAWN BY: B.C.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5I-4

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

1955' FSL 139' FEL



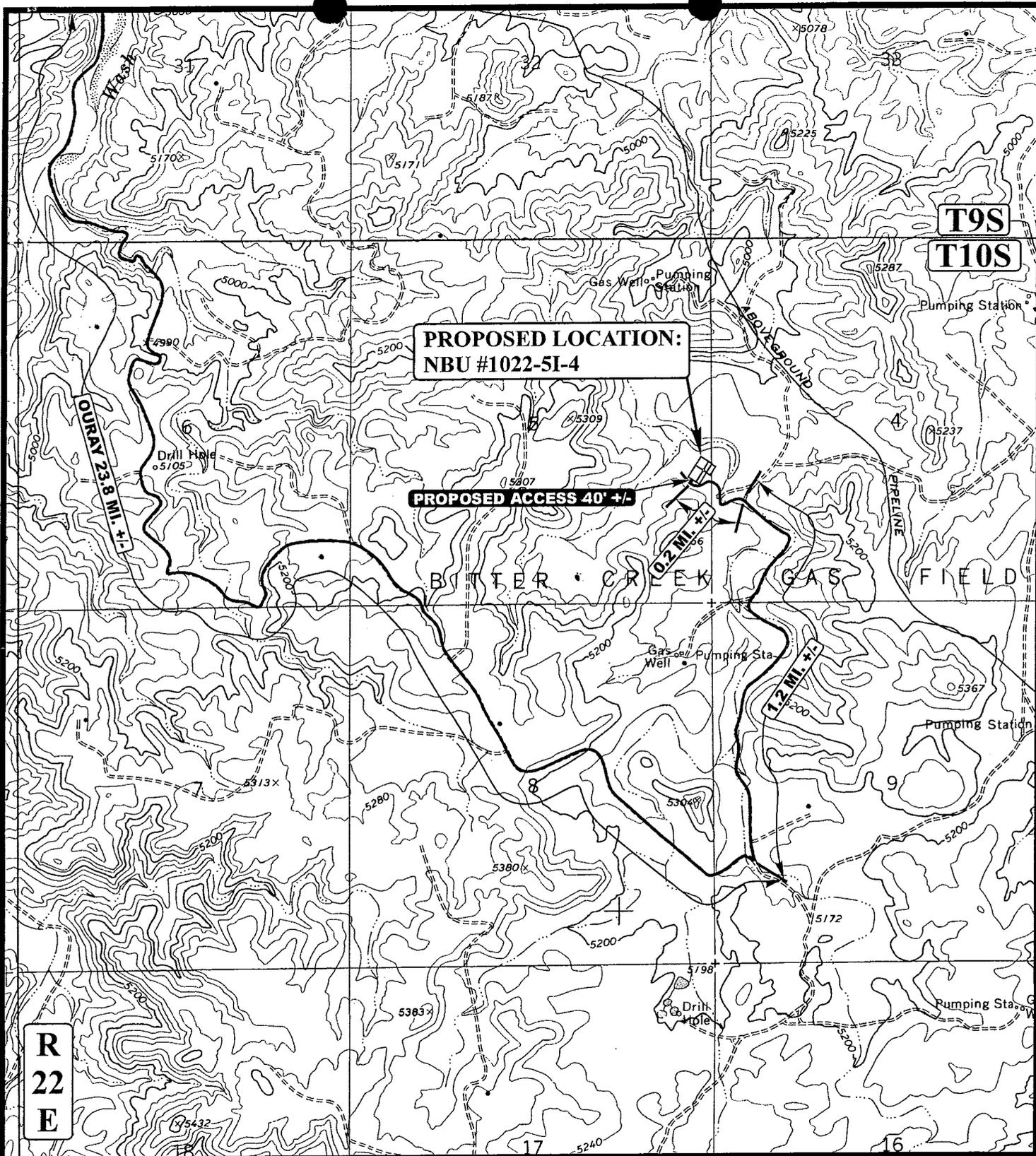
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

04	12	06
MONTH	DAY	YEAR

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





LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5I-4
 SECTION 5, T10S, R22E, S.L.B.&M.
 1955' FSL 139' FEL



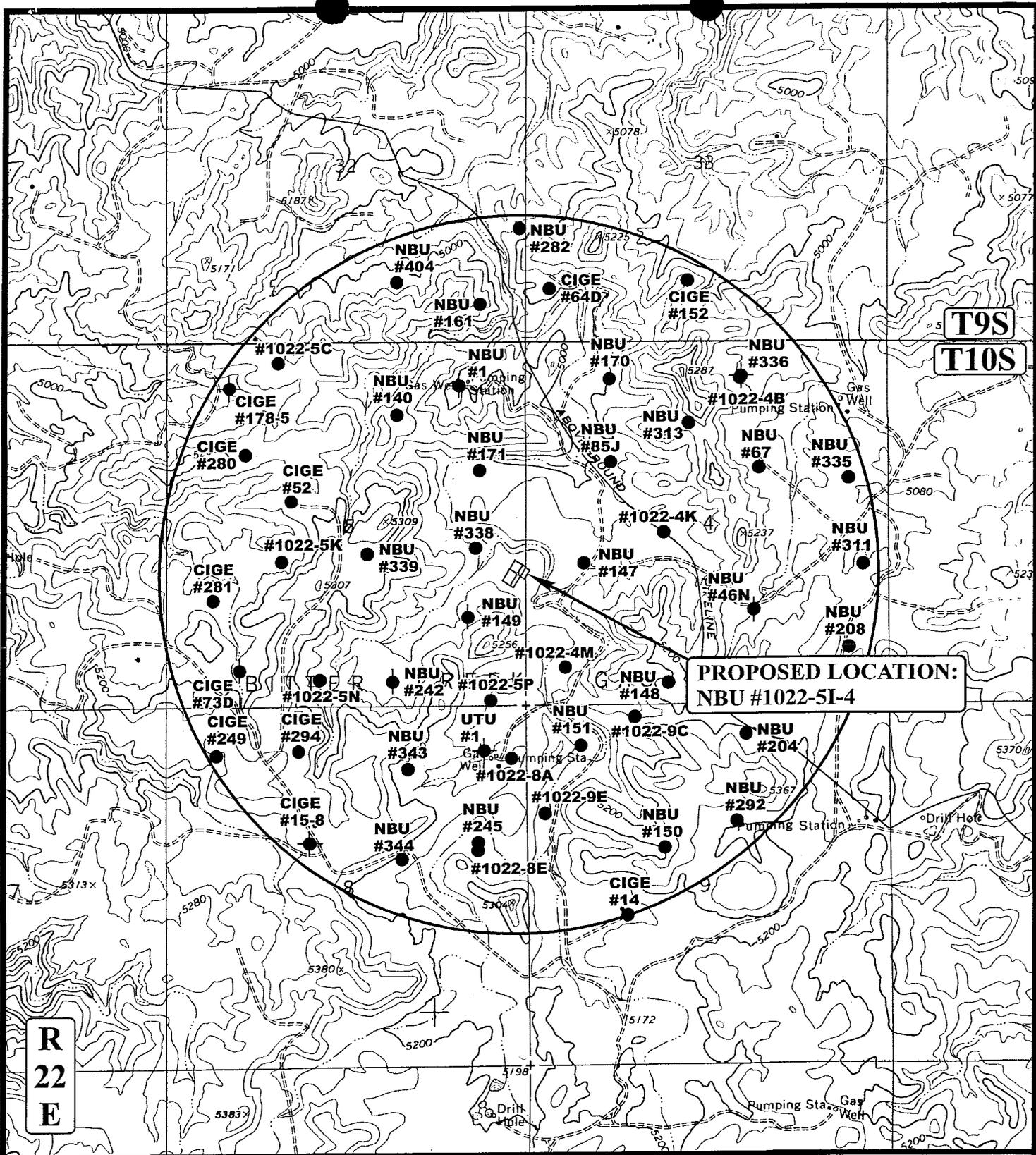
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

04	12	06
MONTH	DAY	YEAR

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





**PROPOSED LOCATION:
NBU #1022-5I-4**

**R
22
E**

LEGEND:

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

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

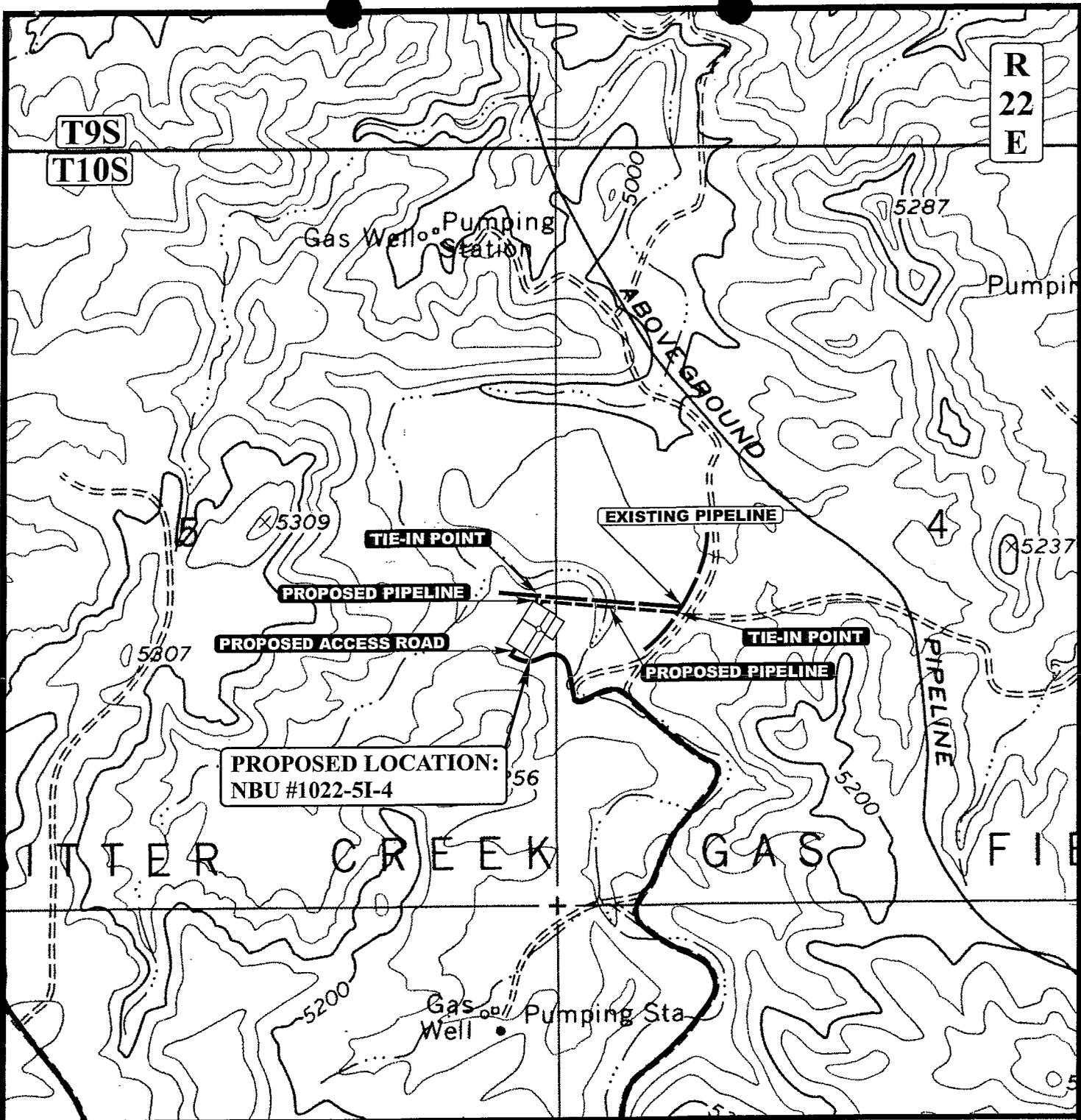
Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5I-4
SECTION 5, T10S, R22E, S.L.B.&M.
1955' FSL 139' FEL



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





APPROXIMATE TOTAL LOW-PRESSURE PIPELINE DISTANCE = 47' +/-

APPROXIMATE TOTAL HIGH-PRESSURE PIPELINE DISTANCE = 1,000' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5I-4

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

1955' FSL 139' FEL

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

TOPOGRAPHIC 04 12 06
MAP MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: B.C. REVISED: 07-05-06C.P. **D**
TOPO

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-5I-4

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

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

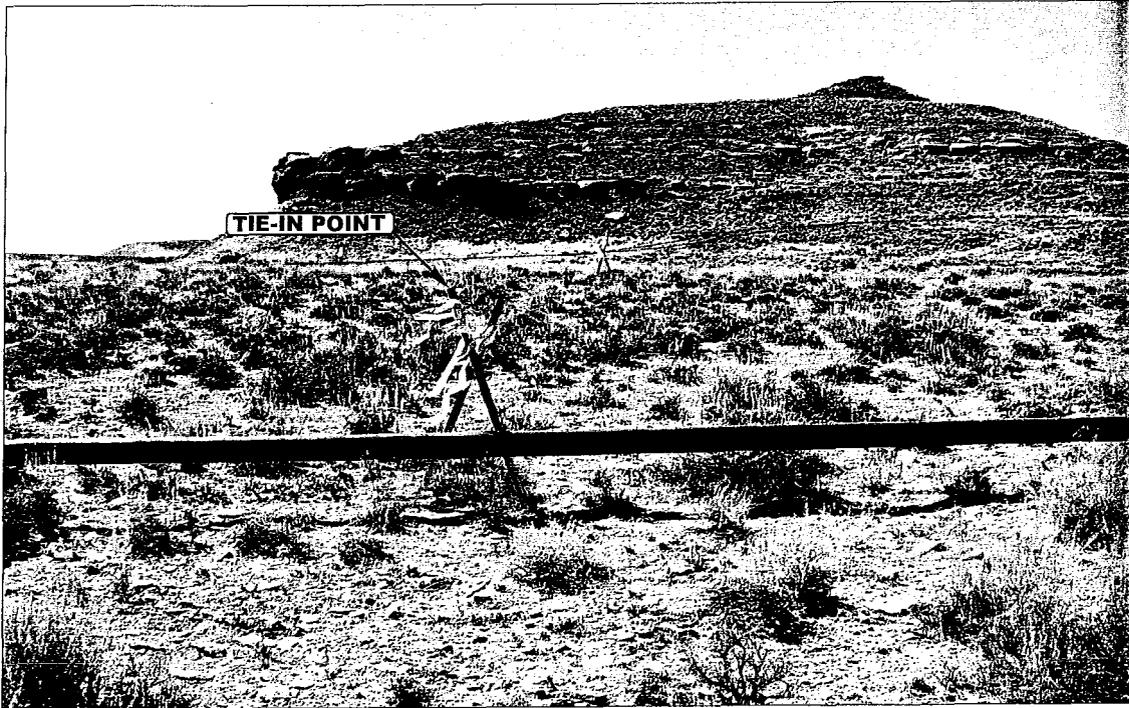


PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

PIPELINE PHOTOS

04 12 06
MONTH DAY YEAR

PHOTO

TAKEN BY: T.A.

DRAWN BY: B.C.

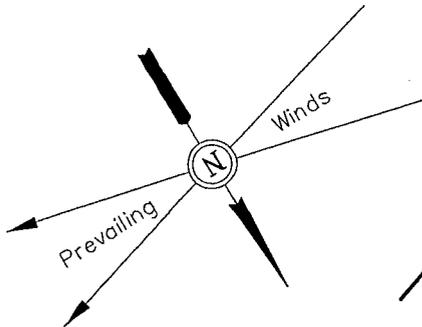
REVISED: 00-00-00

LOCATION LAYOUT FOR

NBU #1022-51-4

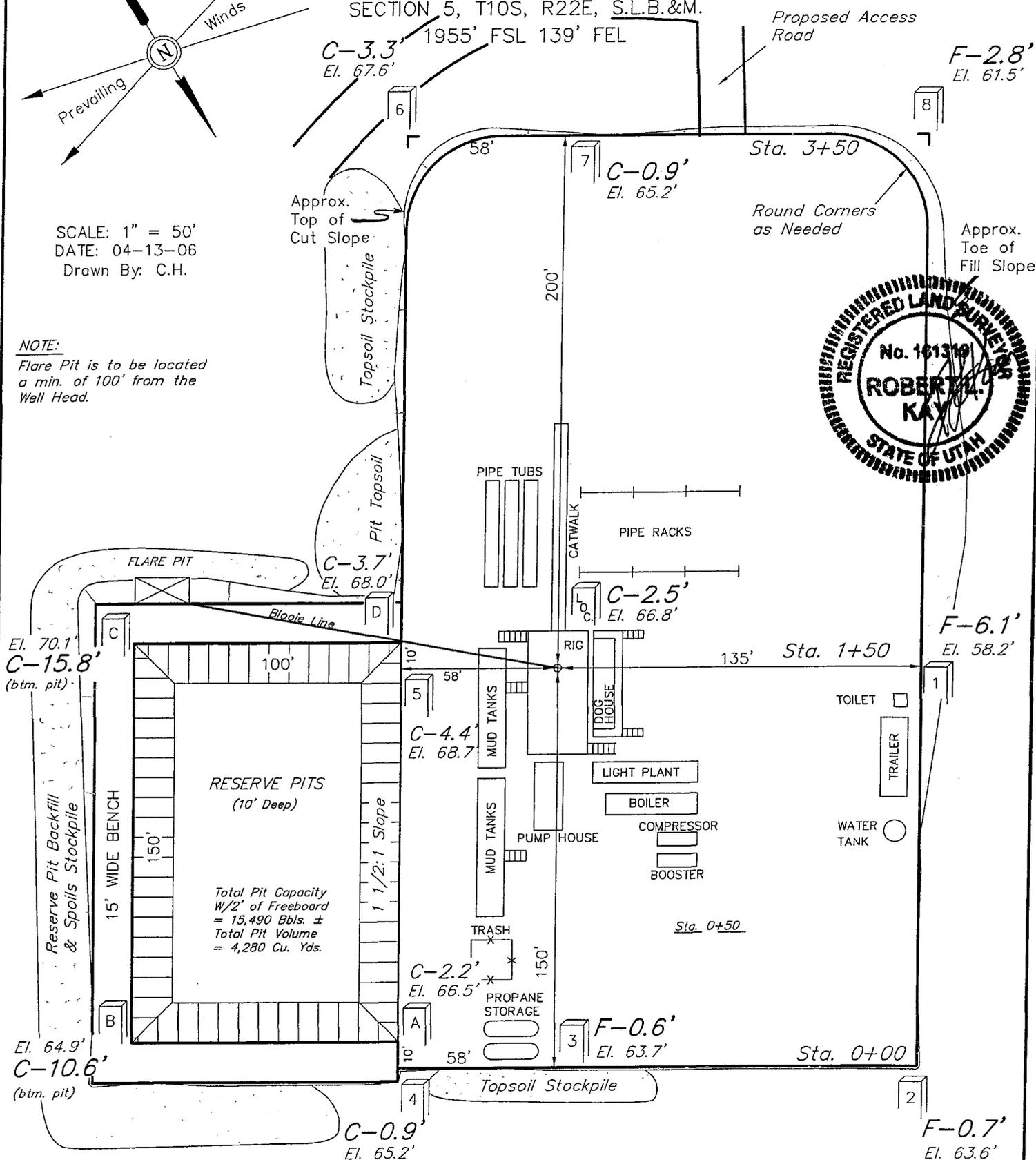
SECTION 5, T10S, R22E, S.L.B.&M.

1955' FSL 139' FEL



SCALE: 1" = 50'
DATE: 04-13-06
Drawn By: C.H.

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5066.8
FINISHED GRADE ELEV. AT LOC. STAKE = 5064.3'

Kerr McGee Oil & Gas Onshore LP

FIGURE #2

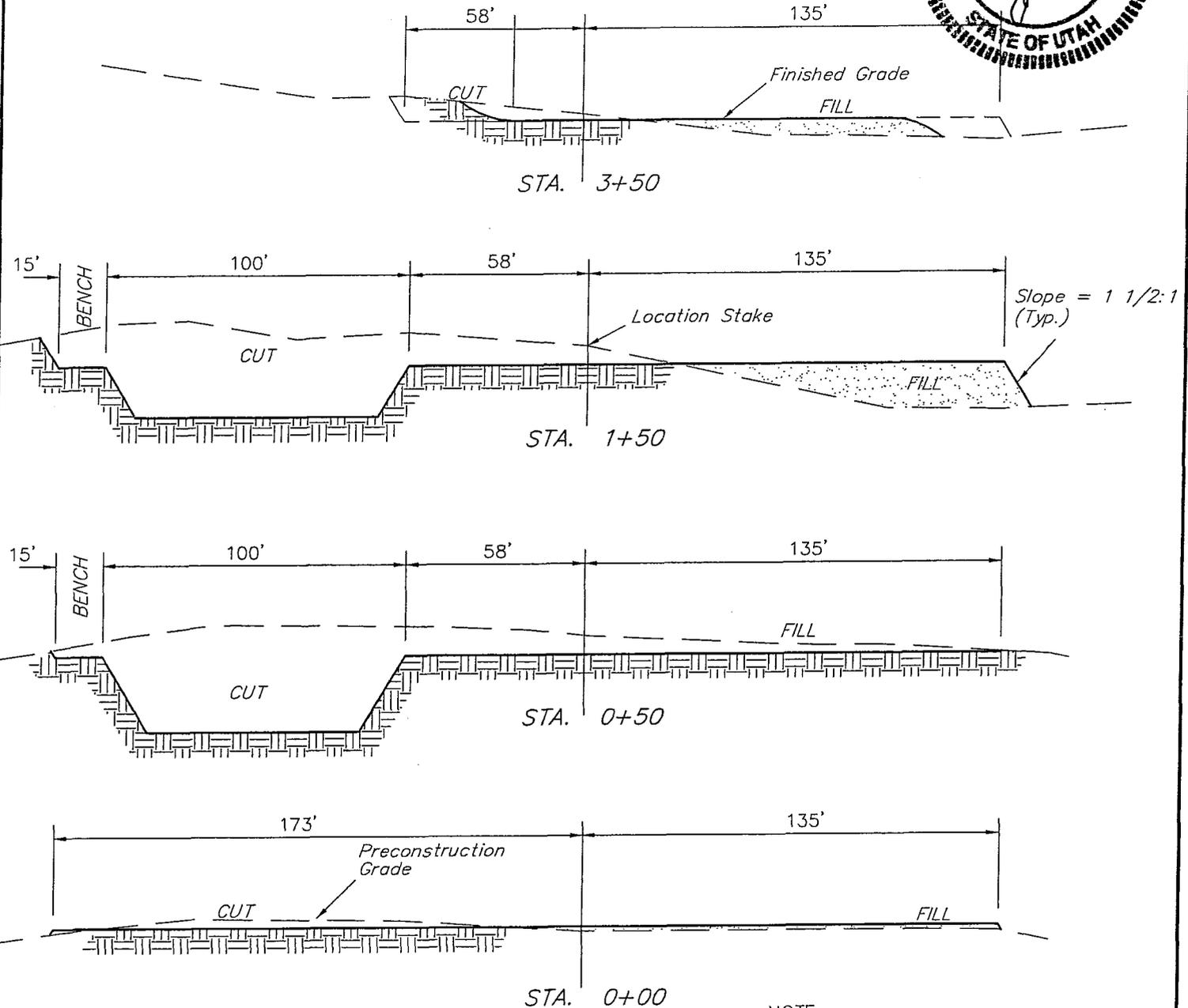
TYPICAL CROSS SECTIONS FOR

NBU #1022-51-4

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

1955' FSL 139' FEL

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



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,760 Cu. Yds.
Remaining Location	= 8,570 Cu. Yds.
TOTAL CUT	= 10,330 CU.YDS.
FILL	= 6,430 CU.YDS.

NOTE:

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

EXCESS MATERIAL	= 3,900 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,900 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/28/2006

API NO. ASSIGNED: 43-047-38520

WELL NAME: NBU 1022-5T-4

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NESE 05 100S 220E
 SURFACE: 1955 FSL 0139 FEL
 BOTTOM: 1955 FSL 0139 FEL
 COUNTY: UINTAH
 LATITUDE: 39.97602 LONGITUDE: -109.4541
 UTM SURF EASTINGS: 632012 NORTHINGS: 4426030
 FIELD NAME: NATURAL BUTTES (630)

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

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

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WY-2357)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

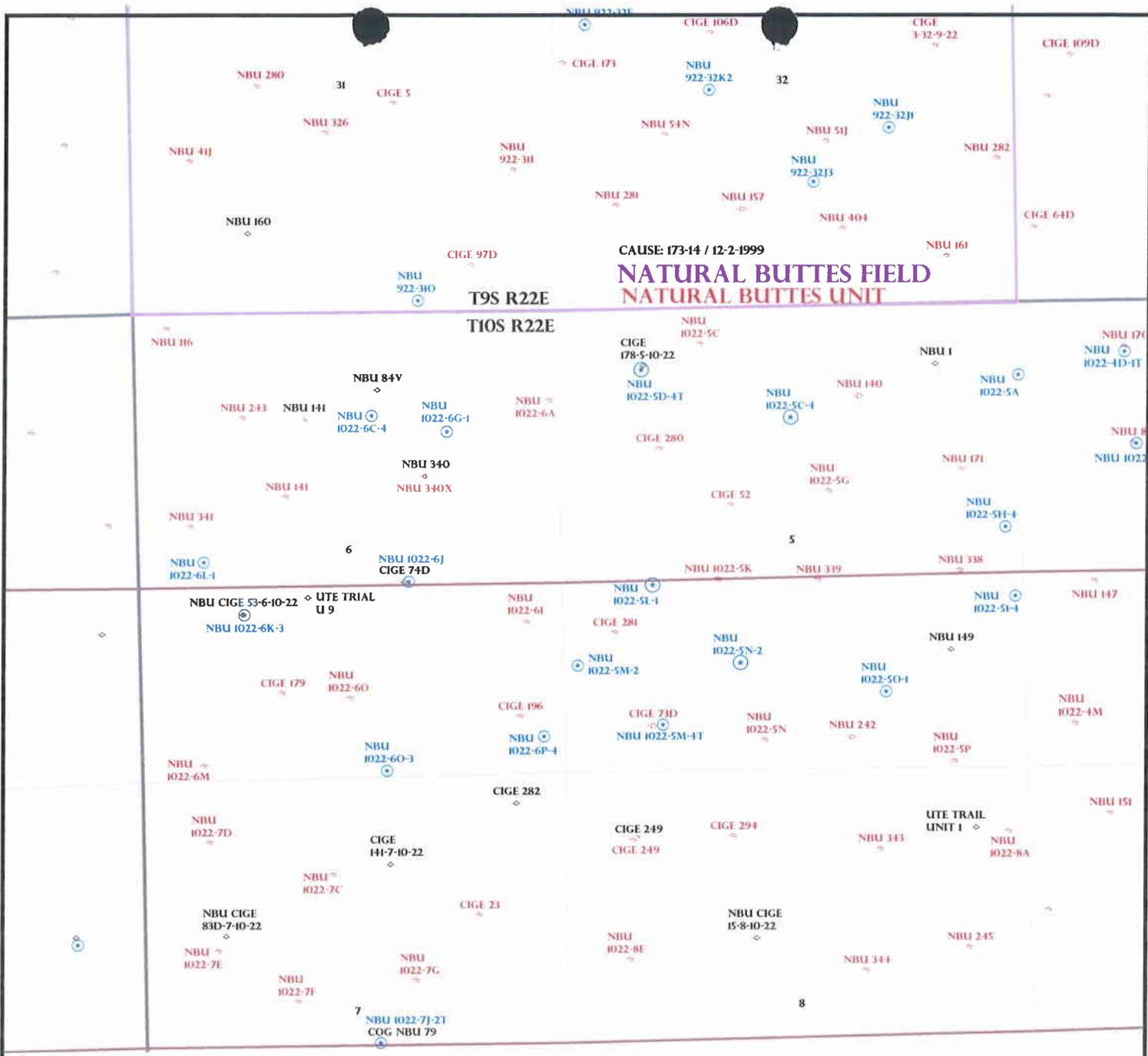
- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 173.14
Eff Date: 12-2-1999
Siting: 460' fr u b d g. uncomm. from is
- R649-3-11. Directional Drill

COMMENTS:

S₉₃ Spaced PL

STIPULATIONS:

*1- Federal Approval
2- OIL SHALE*



CAUSE: 173-14 / 12-2-1999
NATURAL BUTTES FIELD
NATURAL BUTTES UNIT

OPERATOR: KERR MCGEE O&G (N2995)
 SEC: 5,6 T.10S R. 22E
 FIELD: NATURAL BUTTES (630)
 COUNTY: UINTAH
 CAUSE: 173-14 / 12-2-1999

Field Status	Unit Status
ABANDONED	EXPLORATORY
ACTIVE	GAS STORAGE
COMBINED	NF PP OIL
INACTIVE	NF SECONDARY
PROPOSED	PENDING
STORAGE	PI OIL
TERMINATED	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

Wells Status

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

Utah Oil Gas and Mining

PREPARED BY: DIANA WHITNEY
 DATE: 29-AUGUST-2006

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:
3160
(UT-922)

August 29, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

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

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



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

August 29, 2006

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

Re: Natural Buttes Unit 1022-5I-4 Well, 1955' FSL, 139' FEL, NE SE, Sec. 5,
T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38520.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

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 1022-5I-4
API Number: 43-047-38520
Lease: UTU-01191

Location: NE SE **Sec.** 5 **T.** 10 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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



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

*Original letter
read 1022-51-4
S/B
1022-51-4*

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

Re: Natural Buttes Unit 1022-51-4 Well, 1955' FSL, 139' FEL, NE SE, Sec. 5,
T. 10 South, R. 22 East, Uintah County, Utah

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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 1022-51-4
API Number: 43-047-38520
Lease: UTU-01191

Location: NE SE Sec. 5 T. 10 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.

UTU-01191

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 1022-5I-4

9. API Well No.

4304738520

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)

1955' FSL, 139' FEL
NESE, SEC 5-T10S-R22E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	DOGM
	<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: [Signature]

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

Name (Printed/Typed)

RAMEY HOOPES

Title

LAND SPECIALIST I

Signature

[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.

RECEIVED

(Instructions on reverse)

7-20-07
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: 4304738520
Well Name: NBU 1022-5I-4
Location: NESE, SEC 5-T10S-R22E
Company Permit Issued to: KERR-MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 8/29/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

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

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

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

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

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

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

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

Ramey Hoopes
Signature

7/5/2007

Date

Title: LAND SPECIALIST I

Representing: Kerr McGee Oil and Gas Onshore LP

RECEIVED

JUL 17 2007

DEPT. 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-01191
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: 1955' FSL & 139' FEL COUNTY: Uintah		8. WELL NAME and NUMBER: NBU 1022-5I-4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 5 10S 22E STATE: UTAH		9. API NUMBER: 4304738520
		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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Kerr-McGee Oil & Gas Onshore, LP, respectfully requests an APD Extension for one year for this location, so that drilling operations may be completed. The original APD was approved by the Utah Division of Oil, Gas, and Mining on 8/29/2006.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-14-08
By: [Signature]

COPY SENT TO OPERATOR
Date: 7-15-2008
Initials: KS

NAME (PLEASE PRINT) <u>Kerrin 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: 4304738520
Well Name: NBU 1022-5I-4
Location: NESE, Sec. 5, T10S R22E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore, LP
Date Original Permit Issued: 8/29/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

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

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

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

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

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

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

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



Signature

7/9/2008

Date

Title: Regulatory Analyst I

Representing: Kerr-McGee Oil & Gas Onshore, LP

RECEIVED

JUL 11 2008

DIV. OF OIL, GAS & MINING

RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 24 2006

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01191
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 1022-5I-4
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENESE 1955'FSL, 139'FEL At proposed prod. Zone		9. API Well No. 43-047-38520
14. Distance in miles and direction from nearest town or post office* 25.2 MILES SOUTHEAST OF OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 139'	16. No. of Acres in lease 1041.78	11. Sec., T., R., M., or Blk, and Survey or Area SEC. 5, T10S, R22E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	17. Spacing Unit dedicated to this well 20.00	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5067'UNGRADED GL	19. Proposed Depth 8760'	13. State UTAH
22. Approximate date work will start*		20. BLM/BIA Bond No. on file BOND NO: WY 2357 WYB0002A1
23. Estimated duration		

24. Attachments

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

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

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

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

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

*(Instructions on reverse)

RECEIVED
SEP 02 2008

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

UDOGM
06 BM 1669 A

NOS 05/09/06

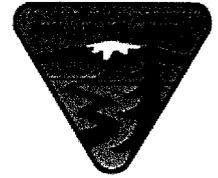


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

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:	SENESE, Sec. 5, T10S, R22E
Well No:	NBU 1022-5I-4	Lease No:	UTU-01191
API No:	43-047-38520	Agreement:	Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.
- Seeding shall occur in the fall (August 1st until snow or ground is frozen).

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

SITE SPECIFIC DOWNHOLE COAs:

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

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: Kerr-McGee Oil & Gas Onshore, Lp

Well Name: NBU 1022-5I-4

API No: 43-047-38520 Lease Type: Federal

Section 05 Township 10S Range 22E County Uintah

Drilling Contractor Pete Martin Drilling Rig # Bucket

SPUDDED:

Date 12-01-08

Time 12:30 PM

How Dry

Drilling will Commence: _____

Reported by Lew Weldon

Telephone # 435-828-7035

Date 12-02-2008 Signed RM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
UTU-01191

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. UNIT #891008900A
2. Name of Operator KERR McGEE OIL & GAS ONSHORE LP		8. Well Name and No. NBU 1022-51-4
3a. Address 1368 SOUTH 1200 EAST VERNAL, UTAH 84078	3b. Phone No. (include area code) 435.781.7024	9. API Well No. 4304738520
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE/SE SEC. 5, T10S, R22E 1955'FSL, 139'FEL		10. Field and Pool or Exploratory Area NATURAL BUTTES
		11. Country or Parish, State UINTAH COUNTY, UTAH

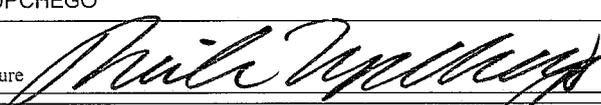
12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

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

SPUD WELL LOCATION ON 12/01/2008 AT 1230 HRS.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST	<p>RECEIVED</p> <p>DEC 08 2008</p> <p>DIV. OF OIL, GAS & MINING</p>
Signature 	Date 12/01/2008	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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

5. Lease Serial No.
UTU01191

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
UNIT #8910089000A

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
NBU 1022-5I-4

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE

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

9. API Well No.
43-047-38520

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

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

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 5 T10S R22E NESE 1955FSL 139FEL

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

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

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

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

MIRU PROPETRO AIR RIG ON 12/02/2008. DRILLED 12 1/4" SURFACE HOLE TO 2300'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS THROUGH OUT JOB 100 PSI LIFT. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. 3RD TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

RECEIVED

DEC 09 2008

DIV. OF OIL, GAS & MINING

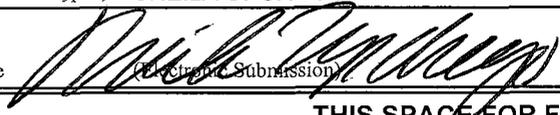
14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #65322 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal**

Name (Printed/Typed) SHEILA UPCHEGO

Title OPERATIONS

Signature



Date 12/08/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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

Office

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01191
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3b. Phone No. (include area code) Ph: 435-781-7024		8. Well Name and No. NBU 1022-5I-4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E NESE 1955FSL 139FEL		9. API Well No. 43-047-38520
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

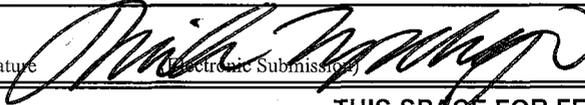
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

FINISHED DRILLING FROM 2300' TO 8915' ON 12/18/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/440 SX PREM LITE II @11.5 PPG 2.82 YIELD. TAILED CMT W/1400 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/137 BBLs CLAYFIX FINAL CIRC OF 2800 PSI LOST RETURNS W/20 BBLs DISPLACEMENT LEFT 30 BBLs CMT BACK TO PIT. NIPPLE DOWN CLEAN PITS.

RELEASED PIONEER RIG 38 ON 12/20/2008 AT 0200 HRS.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #65779 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature 	Date 12/22/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

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

RECEIVED
DEC 31 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01191
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3b. Phone No. (include area code) Ph: 435-781-7024		8. Well Name and No. NBU 1022-5I-4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R22E NESE 1955FSL 139FEL		9. API Well No. 43-047-38520
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

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

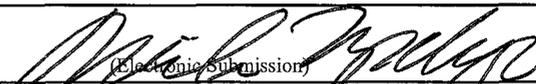
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 02/13/2009 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #67542 verified by the BLM Well Information System
 For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal**

Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature  (Electronic Submission)	Date 02/24/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

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

RECEIVED
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ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008				
Project: UTAH		Site: UINTAH		Rig Name No: PIONEER 38/38, PROPETRO/				
Event: DRILLING		Start Date: 12/2/2008		End Date: 12/20/2008				
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
12/2/2008	3:00 - 12:00	9.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0300 HR 12/2/08 DA 720'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1260'
12/3/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1380'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT TRONA WATER @ 1550' DA 1560' @ REPORT TIME
12/4/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1700'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1980'
12/5/2008	0:00 - 18:00	18.00	DRLSUR	02		P		RIG T/D @ 2300' CONDITION HOLE 1 HR RUN SURVEY 1.75 DEG
	18:00 - 21:00	3.00	DRLSUR	05		P		TRIP DP OUT OF HOLE
	21:00 - 0:00	3.00	DRLSUR	11		P		RUN 2252' OF 9 5/8 CSG AND RIG DOWN AIR RIG
12/6/2008	0:00 - 1:30	1.50	DRLSUR	15		P		CEMENT 1ST STAGE WITH 350 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS THRU OUT JOB 100 PSI LIFT
	1:30 - 2:00	0.50	DRLSUR	15		P		1ST TOP JOB 100 SKS DOWN BS WOC
	2:00 - 4:00	2.00	DRLSUR	15		P		2ND TOP JOB 100 SKS DOWN BS WOC
	4:00 - 6:30	2.50	DRLSUR	15		P		3RD TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	6:30 - 6:30	0.00	DRLSUR					NO VISIBLE LEAKS PIT 50% FULL WORT
12/8/2008	9:00 - 0:00	15.00	MIRU	01	E	P		RDRT PREPARE F/ MOVE TO NBU 1022-5I-4
12/9/2008	0:00 - 6:00	6.00	MIRU	01	E	P		RDRT PREPARE F/ RIG MOVE
	6:00 - 0:00	18.00	MIRU	01	A	P		MOVE RIG TO NBU 1022-5I-4,RURT,TRUCKS ON LOCATION @ 07:00 6 BED TRUCKS,3 HAUL TRUCKS,2 FORKLIFTS ,1 EXTRA CREW TRUCKS RELEASED @ 17:30
12/10/2008	0:00 - 14:00	14.00	MIRU	01	B	P		RURT
	14:00 - 18:00	4.00	DRLPRO	13	A	P		NIPPLE UP BOP
	18:00 - 0:00	6.00	DRLPRO	13	C	P		SAFETY MEETING W/ QUICK TEST R/U & TEST BOP TO 5000 PSI,ANNULAR TO 2500 PSI,CASING TO 1500 PSI (UPPER KELLY CONNECTION LEAKED,PROBLEMS GETTING DART VALVE TO TEST,2" CHECK VALVE LEAKED,CHOKE LINE FLANGES LEAKED,WAIT ON 2" CHECK VALVE
12/11/2008	0:00 - 7:30	7.50	DRLPRO	07	C	Z		WAIT ON CHECK VALVE INSTALL & TEST CHECK VALVE ,R/D QUICK TEST
	7:30 - 14:00	6.50	DRLPRO	05	A	P		SAFETY MEETING W/ TESCO R/U & P/U DRILL STRING TO 2100' INSTALL DRLG RUBBER & DRIVE BUSHINGS
	14:00 - 16:00	2.00	DRLPRO	06	D	P		CUT & SLIP DRLG LINE
	16:00 - 18:30	2.50	DRLPRO	02	F	P		DRILL CEMENT & F E
	18:30 - 19:30	1.00	DRLPRO	02	B	P		SPUD @ 18:30 12/11/2008 DRLG F/ 2316' TO 2397' (81' HR) WATER
	19:30 - 20:00	0.50	DRLPRO	09	A	P		SURVEY @ 2327 1.5 DEG.
	20:00 - 0:00	4.00	DRLPRO	02	B	P		DRLG F/ 2397' TO 2842' (445' 111.2' HR) WT 9/30
12/12/2008	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRLG F/ 2842' TO 2905' (63' 126' HR) WT 9.0/30
	0:30 - 1:00	0.50	DRLPRO	09	A	P		SURVEY @ 2835 2 DEG.
	1:00 - 6:00	5.00	DRLPRO	02	B	P		DRLG F/ 2905' TO 3446' (541' 108.2' HR) WT 9.2/35
	6:00 - 6:30	0.50	DRLPRO	09	A	P		SURVEY @ 3376' 1.25 DEG.

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4

Spud Conductor: 12/1/2008

Spud Date: 12/2/2008

Project: UTAH

Site: UINTAH

Rig Name No: PIONEER 38/38, PROPETRO/

Event: DRILLING

Start Date: 12/2/2008

End Date: 12/20/2008

Active Datum: RKB @5,083.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	6:30 - 12:30	6.00	DRLPRO	02	B	P		DRLG F/ 3446' TO 3951' (505' 84.1' HR) WT 9.7/37
	12:30 - 13:00	0.50	DRLPRO	09	A	P		SURVEY @ 3881' 2.25 DEG.
	13:00 - 16:30	3.50	DRLPRO	02	B	P		DRLG F/ 3951' TO 4237' (286' 81.7' HR) WT 9.8/37
	16:30 - 17:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRLG F/ 4237' TO 4809' (572'81.7' HR)WT 10.2/42
12/13/2008	0:00 - 3:00	3.00	DRLPRO	02	B	P		DRLG F/ 4809' TO 5032' (223' 74.3' HR) WT10.5/46
	3:00 - 3:30	0.50	DRLPRO	09	A	S		SURVEY @ 4962 1.5 DEG.
	3:30 - 16:00	12.50	DRLPRO	02	B	P		DRLG F/ 5032' TO 5667' (635' 50.8' HR) WT 10.2/38
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 5667' TO 6016' (349' 46.5' HR) WT 10.5/42
12/14/2008	0:00 - 1:00	1.00	DRLPRO	02	B	P		DRLG F/ 6016' TO 6048' (32' HR) WT 10.4/42
	1:00 - 1:30	0.50	DRLPRO	09	A	P		SURVEY @ 5978' 1.5 DEG.
	1:30 - 14:00	12.50	DRLPRO	02	B	P		DRLG F/ 6048' TO 6461' (413' 33' HR) WT 10.7/42
	14:00 - 14:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG F/ 6461' TO 6761' (300' 31.5' HR) WT 10.8/44
12/15/2008	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG F/ 6761' TO 7167' (406' 29' HR) WT 11.1/42
	14:00 - 20:30	6.50	DRLPRO	05	A	P		PUMP PILL, DROP SURVEY,TOOH W #1 BIT, TIGHT 3152' TO 2654', L/D BIT MOTOR & IBS
	20:30 - 0:00	3.50	DRLPRO	05	A	P		P/U BIT #2 & NEW MOTOR TIH, FILL PIPE @ SHOE
12/16/2008	0:00 - 3:30	3.50	DRLPRO	05	A	P		FINISH TIH W/ BIT #2, NO PROBLEMS
	3:30 - 14:30	11.00	DRLPRO	02	B	P		DRLG F/ 7167' TO 7600,AVG 39 WT 11.4/42
	14:30 - 15:00	0.50	DRLPRO	06	A	P		DAILY SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	B	P		DRILL F/7600 TO 7920 ,AVG 35 WT 11.5/43
12/17/2008	0:00 - 15:30	15.50	DRLPRO	02	B	P		DRILL F/7920 TO 8489,AVG 37 WT 11.9/43
	15:30 - 16:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL F/8489 TO 8645,AVG 31 WT 12.1/44
12/18/2008	0:00 - 9:00	9.00	DRLPRO	02	B	P		DRILL F/8645 TO 8915,AVG 30 WT12.1/44
	9:00 - 11:00	2.00	DRLPRO	04	C	P		CIRC & CONDITION
	11:00 - 14:00	3.00	DRLPRO	05	E	P		PUMPPILL,BLOW KELLY, SHORTTRIP @7000',,NO PROBLEMS,6' FLARE BTMS UP
	14:00 - 16:00	2.00	DRLPRO	04	C	P		CIRC & CONDITION TO LDDP & LOG
	16:00 - 0:00	8.00	DRLPRO	05	A	P		LDDP & BHA,BREAK KELLY ,PULL WEARRING,NO TIGHT HOLE
12/19/2008	0:00 - 1:00	1.00	DRLPRO	05	A	P		LDBHA,PULL WEARRING
	1:00 - 8:00	7.00	EVALPR	10	C	P		R/U HALLIBURTON RUN QUAD LOGS(8915)
	8:00 - 17:00	9.00	CSG	11	B	P		RUN 210 JTS & 1MARKER 8904' 4.5 CSG
	17:00 - 19:00	2.00	CSG	04	E	P		CIRC & COND F/CEMENT
	19:00 - 21:00	2.00	CSG	15	A	P		PUMP 440LEAD,1400SX TAIL,DISPLACE 137BBLSCLAYFIX,FINAL CIRC PSI 2800,LOST RETURNS W/20BBLs DISPLACEMENT LEFT,30 BBLs CEMENT BACK TO PIT
	21:00 - 22:00	1.00	CSG	13	A	P		HANG FMC PACKOFF, TEST
	22:00 - 0:00	2.00	RDMO	01	E	P		CLEAN PITS
12/20/2008	0:00 - 2:00	2.00	RDMO	01	E	P		CLEAN PITS,RIG RELEASE 02:00AM 12/20/08

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/19/2009	7:00 - 7:30	0.50	COMP	48		P		<p>DAY 1 - JSA & SM #1</p> <p>WHP = 0 PSI. MIRU SERVICE UNIT. SPOT EQUIP. NDWH, NU BOP. PREP & TALLY TBG. P/U 3 7/8" MILL & BIT SUB. RIH ON 2 3/8" TBG. C/O TO PBD @ 8859'. CIRC WELL CLEAN WITH RECYCLED WTR. POOH W/TBG, L/D 48 JTS ON FLOAT & THEN STD BK 120 STDS IN DRK. L/D MILL & BIT SUB. N/D BOP, NU FRAC VALVES.</p> <p>17:30 - SWI - SDFN. PREP WELL TO PT CSG. & TO PERF & FRAC THE M.V. FREEZE PROTECT WELLHEAD & EQUIP.</p> <p>H2S LEVELS TESTED IN TANKS DURING THE HEATING OF THE TANKS. NO H2S DETECTED IN ANY OF THE 37 TANKS.</p>
	7:30 - 17:30	10.00	COMP	31	I	P		
1/20/2009	7:00 - 7:15	0.25	COMP	48		P		<p>DAY 2 - JSA & SM #2</p> <p>WHP = 0 PSI. LOAD CSG W/TRTED RECYCLED WTR.</p> <p>MIRU B&C QUICK TEST. P/T CSG & FRAC VALVES TO 7500 PSI. (GOOD TEST). BLEED OFF WELL. RDMO B&C QUICK TEST.</p> <p>MIRU CUTTERS WIRELINE.</p> <p>STG #1) R/U CUTTERS. RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. PERF THE M.V. @ 8835' - 38', 3 SPF, 8754' - 56', 3 SPF, 8712' - 16', 3 SPF, 8694' - 98', 3 SPF, 39 HOLES. POOH W/TOOLS. LACKED 1918' OF BEING OUT OF HOLE WHEN LINE PARTED. LOST CCL, & GNS IN HOLE.</p> <p>WAITING FOR SPEAR TO FISH WIRELINE OUT OF HOLE.</p> <p>RIH W/CCL, SINKER BAR & SPANG JAR & SPEAR ON WIRELINE. TAG FISH @ 8230' WORK WIRELINE UP/DWN SEVERAL TIMES TO GET HOLD OF FISH. POOH/W FISH. PULLING TIGHT. FISH HUNG UP AT 7750'. WORK SPANG JARS TO GET LOOSE. PULLED OUT OF ROPE SOCKET @ 2800 LBS TENSION.</p> <p>R/D WIRELINE & BJ SERVICE FRAC HEAD. ND FRAC VALVES & NU BOP.</p> <p>17:30 SWI - SDFN. PREP TO FISH W/TBG IN AM. FREEZE PROTECT WELLHEAD & EQUIP.</p>
	7:15 - 17:30	10.25	COMP	33	C	P		
1/21/2009	7:00 - 7:15	0.25	COMP	48		P		<p>DAY 2 - JSA & SM #2</p>

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 18:00	10.75	COMP	31	B	P		<p>WHP = 300 PSI. BLOW DWN WELL. P/U 3 7/8" OVERSHOT W/3 1/2" GRAPPEL. RIH ON 115 STDS 2 3/8" TBG. TAG FISH TOP @ 7023'. WORK TBG DWN TO 7073'. STACKED OUT STRING WT. POOH W/TBG & L/D OVERSHOT. NOTHING RETURNED IN OVERSHOT.</p> <p>P/U 2 3/8" REG WIRELINE SPEAR, XO SUB & PUP JT. RIH ON 115 STDS 2 3/8" TBG. TAG FISH @ 7073'. HAMMER SPEAR INTO WIRELINE FISH 7100' GETTING 10,000# DRAG OVER STRING WT. POOH WITH FISH. RETRIEVED +/- 150' OF WIRELINE ON SPEAR. CLEAN UP WIRELINE SPEAR. PREP WELL TO CONT. TO FISH W/SPEAR IN AM.</p> <p>18:00 SWI - SDFN. FREEZE PROTECT WELLHEAD & EQUIP. DAY 4 - JSA & SM #4</p>
1/22/2009	7:00 - 7:30	0.50	COMP	48		P		<p>WHP = 350 PSI. BLOW DWN WELL. P/U 2 3/8" REG WIRELINE SPEAR W/3.75" NOGO, XO SUB & PUP JT. RIH ON 250 JTS 2 3/8" TBG. TAG @ 7708'. RIH W/SPEAR TO 7736' & P/U ON TBG 10' PULLING 6 TO 8,000 OVER STRING WT. POOH & STD BK 1 STD. POOH 25'. TBG STUCK - WORK TBG. CAN NOT GET FREE. R/U PWR SWVL TO TURN TBG WHILE WORKING TBG. WORKING TBG UP/DWN & ROTATING WHILE COMEING UP. GET 7 JTS OUT & TBG STUCK AGAIN @ 7448'. BARELY ABEL TO ROTATE TBG. @ 1100# TORQUE. CONT. TO WORK TBG. & L/D 1 JT. EOT @ 7438'. TOTAL OF 10 JTS OUT OF HOLE.</p> <p>17:00 SWI - SDFN. PREP WELL TO CUT TBG OFF IN AM. DAY 5 - JSA & SM #5</p>
	7:30 - 17:00	9.50	COMP	31	B	P		
1/23/2009	7:00 - 7:30	0.50	COMP	48		P		

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 17:30	10.00	COMP	31	B	P		<p>WHP = 350 PIS. BLOW DWN WELL. MIRU CASED HOLE SOLUTIONS. P/U CCL & SINKER BAR. RIH & TAG END OF TBG @ 7438'. POOH W/WIRELINE. P/U 1 1/16" CHEM CUTTER, CCL & RIH. CUT TBG 5' OFF BOTTOM @ 7433'. (JUST BELOW COLLAR ON 6' PUP). POOH W/WIRELINE & L/D TOOLS. R/D CASED HOLE SOLUTIONS.</p> <p>R/U TBG EQUIP. POOH W/TBG. UP 15' TBG STUCK. WORK TBG UP/DWN. WILL NOT COME FREE. TBG WILL GO DWN W/NO DRAG.</p> <p>R/U CASED HOLE SOLUTIONS. RIH W/FREE POINT. FREE POINT TBG. STUCK RIGHT ON BTM OF TBG. POOH. P/U CHEMICAL CUTTER & CCL. RIH & CUT TBG @ 7375'. 1 1/2 JTS ABOVE EOT. POOH & L/D TOOLS. RDMO CASED HOLE SOLUTIONS.</p> <p>POOH W/TBG. (239 JTS). P/U 3 7/8" OVERSHOT, 3 1/8 X 2 3/8 XO, JARS, DRILL COLLARS, INTENSIFIER, XO SUB, PUP JT. RIH ON 229 JTS TBG. GOT STUCK @ 7208'. JAR ON TBG ONCE - TBG FREE. CONT. IN HOLE. LOOSING WT @ 7255'. (130' ABOVE TOP OF FISH)</p> <p>17:30 SWI - SDFN. PREP WELL TO POOH W/TBG & TOOLS IN AM.</p>
1/24/2009	7:15 - 7:30	0.25	COMP	48		P		DAY 6 - JSA & SM #6
	7:30 - 17:00	9.50	COMP	31	B	P		<p>SICP = 150 PSI, SITP = 320 PSI. BLOW DWN WELL. POOH W/TBG & STD BK IN DRK. L/D OVERSHOT. P/U TBG SPEAR & 3 7/8" NOGO. RIH ON 230 JTS TBG. TAG FISH @ 7260'. CONT TO RIH W/SPEAR TO 7314'. SET DWN 6000 ON FISH. PULL UP. PULLING 2000 OVER STRING WT. POOH W/TBG & STD BK IN DRK. WELL CONT. TO BLOW IN WHILE PULLING. CAN NOT PMP DWN TBG @ 1500 PSI. PORTS ON SPEAR PLUGGED. RETRIEVED 150' OF WIRELINE ON SPEAR.</p>
1/26/2009	7:00 - 7:30	0.50	COMP	48		P		17:00 SWI - SDWE. PREP WELL TO CONT. TO FISH WIRELINE ON MONDAY.
	7:30 - 16:30	9.00	COMP	31	B	P		<p>HSM. TRIPPING TBG IN BAD WEATHER. BLOW WELL DOWN WELL DEAD. PU 2 3/8" REG WIRE LINE SPEAR, 3 7/8" OD STOP RING, 2 3/8" REG X 2 3/8" BIT SUB, 2 3/8" REG DRAIN SUB. 3 1/8" BUMPER SUB, 3 1/8" OD JARS, 4-3 1/8" OD COLLOARS, 3 1/8" OD INTENSIFIER, BXP 2 3/8" EUE X 2 3/8" REG XO, 2 3/8" N80 PUP JOINT. RIH W/ 234 JTS TAG @ 7,385'. SET DOWN 4,000 PU PULL OVER 10,00 THEN FELL OFF. POOH W/ TBG & FISHING TOOL. WITH 100' OF WIRE LINE.</p>
1/27/2009	7:00 - 7:30	0.50	COMP	48		P		SWI SDFN HSM. FISHING OPERATIONS

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 17:30	10.00	COMP	31	B	P		BLOW WELL DOWN. PU 3 7/8" OD OVERSHOT, 3 1/8" OD X 2 3/8" BUMPER SUB, 3 1/8" OD X 2 3/8" JARS, 4 - 3 1/8" OD X 2 3/8" OD DRILL COLLARS, 3 1/8" OD X 2 3/8" REG INTENSIFIER, BXP 2 3/8" EUE X 2 3/8" REG XO SUB, 2 3/8" N-80 PUP JT. RIH W/ 234 JTS OF 2 3/8" J-55 TBG. TAG @ 7,374', 3' ABOVE FISH TOP. WORK PIPE PUMP 20 BBLS DOWN TBG. WORK PIPE MADE 7' MOVED FISH TOP DOWN 6'. POOH W/FISHING TOOLS. NO FISH OR LINE. PU WIRE LINE SPEAR & ABOVE TOOLS RIH W/ 24 STANDS FOR A KILL STRING. EOT @ 1,646'. SWI WINTERIZE WELL HEAD SDFN.
1/28/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. FISHING FOR WIRE LINE
	7:30 - 18:00	10.50	COMP	31	B	P		WHP 200 PSI. BLOW WELL DOWN WELL DEAD. CONT. RIH W/ FISHIN TOOLS. (2 3/8" REG WIRE LINE SPEAR, 3 1/8" OD X 2 3/8" BUMPER SUB, 3 1/8" OD X 2 3/8" JARS, 4 - 3 1/8" OD X 2 3/8" OD DRILL COLLARS, 3 1/8" OD X 2 3/8" REG INTENSIFIER, BXP 2 3/8" EUE X 2 3/8" REG XO SUB, 2 3/8" N-80 PUP JT, & TOTAL OF 234 JTS OF 2 3/8" J-55 TBG. TAG FISH TOP @ 7,385'. WORK TOOLS START OUT OF HOLE. NO LINE OR FISH ON.
								PU 3 7/8" FLAT BOTTOM SHOE & 2 3/8" REG SKIRTED TOP MILL, 3 1/8" BUMPER SUB, 3 1/8" JARS, 4 - 3 1/8" DRILL COLLARS, 3 1/8" INTENSIFIER, 2 3/8" EUE X 2 3/8" XO SUB, 2 3/8" EUE N-80 PUP & 234 JTS OF 2 3/8" TBG. RU POWER SWIVEL. TAG FISH & CUT OVER 2 1/2' W/ SKIRTED SHOE. RD POWER SWIVEL LD 3 JOINTS OF TBG. EOT @ 7,285'. SWI WINTERIZE WELL HEAD SDFN.
1/29/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. FISHING & TRIPPING PIPE
	7:30 - 17:30	10.00	COMP	31	B	P		WHP 100 PSI. BLEED OFF WELL WELL DEAD. POOH W FISHING TOOLS & 231 JTS OF 2 3/8" J-55 TBG. PU 3 7/8" OD OVERSHOT, 3 1/8" OD X 2 3/8" BUMPER SUB, 3 1/8" OD X 2 3/8" JARS, 4 - 3 1/8" OD X 2 3/8" OD DRILL COLLARS, 3 1/8" OD X 2 3/8" REG INTENSIFIER, BXP 2 3/8" EUE X 2 3/8" REG XO SUB, 2 3/8" N-80 PUP JT, & 234 JTS OF 2 3/8" TBG. RU POWER SWIVEL WORK OVERSHOT UP & DOWN & AROUND. HAVE FISH ON. STRING WT 28,000 LBS PULLING 58,000 LBS. START POOH W/ 234 JTS OF 2 3/8" J-55 TBG. POOH W/ 15' CUT OFF JOINT & GOT STUCK W/ 20' OF THE NEXT JT IN THE AIR. CAN NOT PU OR GO DOWN. SWI WINTERIZE WELL HEAD SDFN.
1/30/2009	7:00 - 8:00	1.00	COMP	48		P		HSM. WE WENT OVER ALL POSSIBLE EVENTS THAT MIGHT HAPPEN WITH PULLING THE JOINT THAT WAS STUCK IN BOP. 12 PEOPLE ON LOC SAFE AREA & GATHERING WAS SET.

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	8:00 - 17:00	9.00	COMP	31	B	P		<p>WHP 100 PSI BLOW WELL DOWN. PUMP 15 BBLS TREATED WATER DOWN CASING. WELL DEAD. PULL ON TBG UP TO MAX. JT STARTED TO MOVE. GOT OUT OF HOLE W/ FISH. 1 JT OF 2 3/8" TBG & + OR - 90' OF WIRE. WRAPED AROUND TBG.</p> <p>PU 2 3/8" REG WIRE LINE SPEAR, 3 1/8" OD X 2 3/8" BUMPER SUB, 3 1/8" OD X 2 3/8" JARS, 4 - 3 1/8" OD X 2 3/8" OD DRILL COLLARS, 3 1/8" OD X 2 3/8" REG INTENSIFIER, BXP 2 3/8" EUE X 2 3/8" REG XO SUB, 2 3/8" N-80 PUP JT, & TOTAL OF 236 JTS. TAG @ 7,430' & FISH TOP @ 7,439'. WORK TOOLS. PULL OVER 20,000 LBS THEN FELL OFF TO 2,000 OVER. POOH HAD NOTHING ON.</p> <p>PU 3 7/8" FLAT BOTTOM SHOE & 2 3/8" REG SKIRTED TOP MILL, 3 1/8" BUMPER SUB, 3 1/8" JARS, 4 - 3 1/8" DRILL COLLARS, 3 1/8" INTENSIFIER, 2 3/8" EUE X 2 3/8" XO SUB, 2 3/8" EUE N-80 PUP & 234 JTS OF 2 3/8" TBG. EOT @ 7,379.50'. SWI SDFWE.</p>
2/2/2009	7:00 - 7:30	0.50	COMP	48		P		DAY 12 - JSA & SM #12
	7:30 - 18:00	10.50	COMP	31	B	P		<p>SICP = 100 PSI. BLOW WELL DWN. EOT @ 7380'. PMP 40 BBLS DWN TBG TO KILL WELL.</p> <p>SWVL DWN TBG TO FISH TOP @ 7436'. MILL ON FISH TOP TO REMOVE ANY LOOSE WIRE & DRESS UP END. EOT @ 7439'.</p> <p>POOH W/3 7/8" FLAT BTM MILL SHOE & TOP SKIRTED 2 3/8" MILL. L/D SHOE & MILL.</p> <p>P/U OVERSHOT & GRAPPEL. RIH ON 236 JTS 2 3/8" TBG. TAG FISH TOP @ 7438. LATCH ONTO FISH. JAR ON FISH 3 TIMES. FISH COMING UP HOLE @ 20,000 OVER STRING WT. (60,000#) AFTER 2 HOURS OF JARING. RETRIEVED 1 1/2 JTS OUT OF HOLE. (45') FISH STILL MOVING UP HOLE VERY SLOWLY.</p> <p>18:00 SWI - SDFN. PREP WELL TO CONT. TO POOH W/FISH. FREEZE PROTECT WELLHEAD & EQUIP.</p>
2/3/2009	7:00 - 17:00	10.00	COMP	31		P		<p>7:AM HSM. OPEN WELL. 150 PSI ON WELL. BLOW DOWN. CONTINUE JARING ON FISH. STARTED @ 7400'. JAR FOR 7 HRS. JARED FISH UP HOLE 10 FT. FISH TOP @ 7390'. GOT OFF FISH. SHORE UP FOOTING ON RIG. POOH W/ 40 STDS. EOT @ 4900'. SWI 5:30 PM</p>
2/4/2009	7:00 - 18:00	11.00	COMP	31		P		<p>7:AM HSM. OPEN WELL 150 PSI. BLOW DOWN. FINISH POOH W/ 23/8" TBG & FISHING BHA. PU NEW 37/8" OVERSHOT W/ 23/8" GRAPPLE, 37/8" EXT. 31/8" BUMPER SUB, 31/16" JAR, 1-31/8" DRILL COLLAR, 2-31/8" INTENSIFIERS, X-O, 6'-23/8" PUP JT. RIH W/ NEW 23/8" , L-80 TBG, PU & TALLING. LATCH ONTO FISH @ 7390'. JAR FOR 45 MIN @ 90,000#. MOVED FISH 1 FT. JARS STARTED GOING OFF PRE.MAT. SWI 6:30 PM. LET JARS COOL OFF OVERNIGHT.</p>
2/5/2009	7:00 - 7:15	0.25	COMP	48		P		DAY 15 - JSA & SM

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 19:30	12.25	COMP	31	B	P		<p>WHP = 000 PSI. BLOW DWN WELL. KILL WELL W/80 BBLs WTR DWN TBG.</p> <p>JAR ON FISH (PULLING 90,000#) 1 TIME. FISH COME FREE. PULLING 60 TO 90,000, FISH MOVING UP HOLE. 16 STANS OUT PULLING 40 TO 50,000, FISH MOVEING UP HOLE W/LESS DRAG. KILL WELL W/20 BBLs DWN TBG.</p> <p>2000' TBG IN WELL. SWAP OUT 4" BOP's TO 7" BOP's FOR WIRE NEST TO COME THRU. BLOW DWN WELL.</p> <p>CONT. TO POOH W/FISH. FISH STUCK IN JUST BELOW TUBING HEAD. INSTALL 2 7/8" DRLG RUBBER OVER FISHING TOOLS TO ISOLATE CSG. CLOSE IN TBG VALVE. LAY HARD LINE TO PIT FROM CSG & LET WELL FLOW TO PIT OVER NIGHT W/FLOW BACK CREW.</p> <p>19:30 SWI - SDFN. PREP WELL TO JAR FISH OUT OF WELLHEAD IN AM.</p> <p>NOTE - (WELL DIED AROUND 2 AM) DAY 16 - JSA & SM #16</p>
2/6/2009	7:00 - 7:30	0.50	COMP	48		P		

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:30	11.00	COMP	31	A	P		<p>WHP = 0 PSI. WELL BLEW DWN BY F.B.C. (WELL DIED AROUND 2 AM)</p> <p>REPLACE 3 NUTS ON BOP. JAR ON FISH STUCK 2 FT BELOW SURFACE W/JARS. PULLED 90,000 ON JARS. FISH MOVED & PULLED THRU WELL HEAD DRAGING BETWEEN 60 & 90,000. (STRIPPED ALL DOGS OFF OF SPEAR & HAD ABOUT 100' OF WIRELINE ON BTM OF SPEAR). P/U NEW 1 3/4" SPEAR, 3 1/8" JARS & DRLG COLLOR. RIH. FOUND WIRELINE PLUG 1 1/2 FT BELOW WELL HEAD. CAN NOT DRIVE SPEAR INTO WAUDE OF WIRE. L/D 3 1/8" DRLG COLLAR & P/U 4 1/2" DRLG COLLAR. STILL CAN NOT DRIVE SPEAR INTO WAUDE OF WIRE. (WIRE MOVING DWN HOLE 1 FT). SD & DISCUSS OPTIONS. DECISSION MADE TO PULL BOP. ANADARDIO EMPLOYEE (COMPLETIONS SPECIALIST II - JEFF SAMUELS) ON LOCATION.</p> <p>DISCUSS PLAN FOR PULLING BOP & OPERATIONS. HOLD SAFETY MEETING W/ALL PERSONNEL & DISCUSS PLAN & PROCEDURES FOR BOP REMOVAL & SAFETY PROCEDURES FOR REPLACEMENT IF WELL WAS TO START TO COME IN.</p> <p>WELL DEAD. PULL BOP. WAUDE OF WIRE 2 1/2' BELOW BRADEN HEAD. ATTEMPT TO DRIVE 1 3/4" SPEAR INTO WIRE PLUG. CAN NOT GET INTO WIRE PLUG. ORDER OUT A COMBINATION OF SMALLER SPEARS. CAN NOT GRAB TOP OF WIRE WITH VARIOUS TOOLS. (RETRIEVED A FEW SMALL PICEASES).</p> <p>CAN NOT DRIVE ANY OF DELSCO SLICK LINE SPEARS INTO WIRE PLUG.</p> <p>WAS ABLE TO DRIVE A 5/8" SPEAR INTO WIRE PLUG & PULL SEVERAL SMALL PEACES FROM WAUDE. FINALLY GOT SPEAR DRIVEN ABOUT 1' INTO WIRE PLUG & PULLED OUT WADE WITH WENCH LINE.</p> <p>RIH W/1 3/4" SPEAR ON BTM OF A STAND OF 2 3/8" TBG TO 55' BELOW WELL HEAD. NU BOP. SIW.</p> <p>PU BLADED MILL, BXB SUB 2 3/8" REG X 2 3/8" REG, 1 DRLG COLLAR, BUMPER SUB, JARS, 3 DRLG COLLARS, INTENSIFIER, BXB SUB 2 3/8" EUE X 2 3/8" REG., 1- 6 FT N80 PUP JT. RIH ON 240 JTS NEW 2 3/8" 4.7# N80 TBG. RIH ON 30 JTS NEW 2 3/8" 4.7# N80 TBG. EOT @ 1100'. SHUT IN TBG. CLOSE BOP. TURN WELL TO FLOWBACK CREW & FLOW TO PIT OVERNIGHT. (WELL DIED @ 20:30).</p>
2/7/2009	7:00 - 7:30	0.50	COMP	48		P		<p>18:30 - SDFN. DAY 17 - JSA & SM #17</p>

ROCKIES

Operation Summary Report

Well: NBU 1022-51-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 16:00	8.50	COMP	31	I	P		<p>WHP = 0 PSI. RIH W/3 7/8" BLADED MILL, BXP SUB 2 3/8" REG X 2 3/8" EUE, DRILL COLLAR, BUMPER SUB, JARS, 3 DRILL COLLARS, INTENSIFIER, BXP SUB 2 3/8" EUE X 2 3/8" REG. & N80 PUP JT., ON 240 JTS 2 3/8" 4.7# N80 TBG. TAG FISH @ 7736'. BUMP FISH W/MILL SEVERAL TIMES. SET DWN 15,000 ON FISH. HOLDING SOLID. PICK UP 10 FT. PMP 50 BBLS 9.6# BRINE DWN TBG.</p> <p>POOH W/2 3/8" 4.7# N-80 TBG & L/D ON FLOAT. (TOTAL OF 314 JTS) L/D FISHING TOOLS. R/D FLOOR & TBG EQUIP. N/D BOP. N/U FRAC VALVES.</p> <p>16:00 SWI - SDFWE.</p> <p>(FISH LEFT IN WELL - ROPE SOCKET - 1 7/16" OD, CCL - 3 1/8" OD, WEIGHT BAR - 3 1/8" OD, SPANG JARS - 1 3/4" OD, WIRELINE SPEAR. (16.15 FT.) APPROX 1200' OF 1/4" WIRELINE, CCL - 3 1/8" OD, PERF GUNS - 3 3/8" OD. (21').)</p>
2/9/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:30 - 11:00	3.50	COMP	36	B	P		<p>MIRU BJ SERVICES & CUTTERS TO PERF & FRAC.</p> <p>STG 1) PU 3 1/8" EXP GRN, 23 GRM .36 HOLES, 90 DEG PHASING.</p> <p>PERF 7,579' - 82' 4SPF, 7,558' - 62' 4SPF, 7,420' - 23' 4SPF, 40 HOLES.</p> <p>WHP 0 PSI, BRK @ 2,928 PSI @ 4.5 BPM, ISIP 1,550 PSI, FG .65.</p> <p>PUMP 100 BBLS @ 55 BPM @ 4,500 PSI = 100% HOLES OPEN.</p> <p>MP 4,731 PSI, MR 54.8 BPM, AP 4,003 PSI, AR 52.3 BPM, ISIP 2,513 PSI FG .78, NPI 963 PSI.</p> <p>PUMP 2,816 BBLS SW & 96,860 LBS OF 40/70 SND & 5,000 LBS OF 20/40 RESIN SND, TOTAL PROP 101,860 LBS.</p>
	11:00 - 12:54	1.90	COMP	36	B	P		<p>STG 2) PU 4 1/2" CBP & 3 1/8" EXP GRN, 23 GRM .36 HOLES, 90 DEG PHASING.</p> <p>SET 8K BAKER CBP @ 7,258' & PERF 7,222' - 28' 4SPF, 7,100' - 04' 4SPF, 40 HOLES.</p> <p>WHP 222 PSI, BRK @ 3,033 PSI @ 4.5 BPM, ISIP 1,585 PSI, FG .67.</p> <p>PUMP 100 BBLS @ 54 BPM @ 4,200 PSI = 100% HOLES OPEN.</p> <p>MP 4,431 PSI, MR 54.4 BPM, AP 4,029 PSI, AR 53.9 BPM, ISIP 2,243 PSI FG .76, NPI 658 PSI.</p> <p>PUMP 2,121 BBLS SW & 73,833 LBS OF 40/70 SND & 5,000 LBS OF 20/40 RESIN SND, TOTAL PROP 78,833 LBS.</p>
	12:54 - 14:35	1.68	COMP	36	B	P		<p>STG 3) PU 4 1/2" CBP & 3 1/8" EXP GRN, 23 GRM .36 HOLES, 120 DEG PHASING.</p> <p>SET 8K BAKER CBP @ 6,997' & PERF 6,960' - 67' 3SPF, 6,880' - 86' 3SPF, 39 HOLES.</p> <p>WHP 204 PSI, BRK @ 3,302 PSI @ 4.5 BPM, ISIP 1,236 PSI, FG .63.</p> <p>PUMP 100 BBLS @ 55 BPM @ 3,900 PSI = 100% HOLES OPEN.</p> <p>MP 4,146 PSI, MR 54.5 BPM, AP 3,730 PSI, AR 54.1 BPM, ISIP 2,075 PSI FG .75, NPI 839 PSI.</p> <p>PUMP 1,172 BBLS SW & 38,212 LBS OF 40/70 SND & 5,000 LBS OF 20/40 RESIN SND, TOTAL PROP 43,212 LBS.</p>

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	14:35 - 15:45	1.17	COMP	36	B	P		STG 4) PU 4 1/2" CBP & 3 1/8" EXP GRN, 23 GRM .36 HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 6,592' & PERF 6,556' - 62' 4SPF, 6,470' - 76' 3SPF, 42 HOLES. WHP 60 PSI, BRK @ 2,449 PSI @ 4.5 BPM, ISIP 1,100 PSI, FG .62. PUMP 100 BBLS @ 54.2 BPM @ 3,850 PSI = 82% HOLES OPEN. MP 4,029 PSI, MR 54.4 BPM, AP 3,678 PSI, AR 53.9 BPM, ISIP 2,140 PSI FG .78, NPI 1,040 PSI. PUMP 758 BBLS SW & 22,207 LBS OF 40/70 SND & 5,000 LBS OF 20/40 RESIN SND, TOTAL PROP 27,207 LBS.
	15:45 - 17:05	1.33	COMP	36	B	P		STG 5) PU 4 1/2" CBP & 3 1/8" EXP GRN, 23 GRM .36 HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 5,795' & PERF 5,755' - 65' 3SPF, 5,728' - 31' 4SPF, 42 HOLES. WHP 1,100 PSI, BRK @ 1,551 PSI @ 4.5 BPM, ISIP 911 PSI, FG .61. PUMP 100 BBLS @ 54 BPM @ 3,100 PSI = 100% HOLES OPEN. MP 3,743 PSI, MR 55 BPM, AP 2,924 PSI, AR 54.4 BPM, ISIP 1,320 PSI FG .68, NPI 409 PSI. PUMP 791 BBLS SW & 24,048 LBS OF 40/70 SND & 5,000 LBS OF 20/40 RESIN SND, TOTAL PROP 29,048 LBS. SWI WINTERIZE WELL HEAD, SDFN HSM. FRACING & PERFORATE
2/10/2009	7:00 - 7:30	0.50	COMP	48		P		STG 6) PU 4 1/2" CBP & 3 1/8" EXP GRN, 23 GRM .36 HOLES, 120 DEG PHASING. SET 8K BAKER CBP @ 5,318' & PERF 5,282' - 88' 3SPF, 5,218' - 24' 3SPF, 5,206' - 08 3SPF, 42 HOLES. WHP 202 PSI, BRK @ 1,774 PSI @ 4.5 BPM, ISIP 790 PSI, FG .60. PUMP 100 BBLS @ 54 BPM @ 2,600 PSI = 100% HOLES OPEN. MP 2,716 PSI, MR 54.8 BPM, AP 2,560 PSI, AR 54.2 BPM, ISIP 1,530 PSI FG .74, NPI 740 PSI. PUMP 791 BBLS SW & 77,418 LBS OF 40/70 SND & 5,000 LBS OF 20/40 RESIN SND, TOTAL PROP 82,418 LBS.
	7:30 - 9:10	1.67	COMP	36	B	P		STG 7) PU 4 1/2" CBP & 3 1/8" EXP GRN, 23 GRM .36 HOLES, 120 DEG PHASING. SET 8K BAKER CBP @ 4,966' & PERF 4,922' - 36' 3SPF, 42 HOLES. WHP 54 PSI, BRK @ 2,873 PSI @ 4.5 BPM, ISIP 45 PSI, FG .46. SHUT DOWN CALLED DAVID COCCIOLONE & ROBERT MILLER TO CHECK ON FRACING OR NOT. YES FRAC. AFTER BEING SHUT DOWN FOR 28 MINUTES IT TOOK 30 BBLS TO FILL HOLE. PUMP 100 BBLS @ 54.5 BPM @ 2,220 PSI = 100% HOLES OPEN. MP 2,874 PSI, MR 55.3 BPM, AP 2,560 PSI, AR 54 BPM, ISIP 1,800 PSI FG .81, NPI 1,746 PSI. PUMP 1,917 BBLS SW & 62,714 LBS OF 40/70 SND & 5,000 LBS OF 20/40 RESIN SND, TOTAL PROP 67,714 LBS.
	9:10 - 11:05	1.92	COMP	36	B			

ROCKIES

Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 3/3	
Event: COMPLETION		Start Date: 1/19/2009		End Date: 2/11/2009	
Active Datum: RKB @5,083.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	11:05 - 16:00	4.92	COMP	34	I	P		PU 4 1/2" 8K BAKER CBP & SET @ 4,872' RDMO CUTTERS & BJ SERVICES. ND FRAC VALVES NU BOP.
2/11/2009	7:00 - 7:30	0.50	COMP	48		P		PU 3 7/8" BIT SLIDING SLEEVE & XN SEATING NIPPLE & 156 JTS OF 2 3/8" J-55 TBG. RU POWER SWIVEL. EOT @ 4,834'. PREP TO DRL OUT IN AM. SWI SDFN
	7:30 - 18:30	11.00	COMP	44	C	P		HSM DRILLING CBP BRK CIRC W/ TREATED WATER RIH C/O 20' OF SAND TAG PLG 1 @ 4,872' DRL PLG IN 10 MIN. WELL LOST CIRC FOR 175 BBLs. RIH CO 10' OF SAND TAG PLG 2 @ 4,960' DRL IN 10 MIN. LOST CIRC FOR 200 BBLs. RIH C/O 40' SAND TAG PLG 3 @ 5,318' DRL PLG IN 15 MIN. HAVE RETURNS @ 1/2 BPM. RIH C/O 30' OF SAND DRL PLG 4 IN 10 MIN WELL FLOWING @ 1/2 BPM. RIH C/O 30' OF SAND TAG PLG 5 @ 6,592' DRL PLG IN 10 MIN 150 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 6 @ 6,997' DRL PLG IN 10 MIN 150 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 7 @ 7,258' DRL PLG IN 10 MIN 400 PSI INCREASE. RIH DRL BOTTOM HALF OF PLG & C/O TO 7,672' PBD = 90' BELOW BOTTOM PERF. CIRCULATE WELL CLEAN. POOH LD 20 JTS. LAND TBG W/ 229 JTS OF 2 3/8" J-55 TBG. EOT @ 7,073.36'. DROP BALL TO OPEN SLEEVE. OPEN SLEEVE @ 1,800 PSI. TURN WELL OVER TO FLOW TESTERS.
2/12/2009	7:00 -			33	A			299 JTS OUT BOUND 229 JTS LANDED 2 JTS BAD 68 JTS RETURNED 7 AM FLBK REPORT: CP 1150#, TP 925#, 20/64" CK, 52 BWPH, 1 CUP SAND, LIGHT GAS TTL BBLs RECOVERED: 659 BBLs LEFT TO RECOVER: 12000
2/13/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1300#, TP 900#, 20/64" CK, 32 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 2365 BBLs LEFT TO RECOVER: 10294
	10:00 -		PROD					WELL TURNED TO SALES @ 1000 HR ON 2/13/2008 - FTP 900#, CP 1300#, CK 20/64", 900 MCFD, 768 BWPD
2/15/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1200#, TP 850#, 20/64" CK, 20 BWPH, TRACE SAND, 948 GAS TTL BBLs RECOVERED: 3081 BBLs LEFT TO RECOVER: 9578
2/16/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1125#, TP 775#, 20/64" CK, 18 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 3529 BBLs LEFT TO RECOVER: 9130

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU01191

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

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface NESE 1955FSL 139FEL
 At top prod interval reported below NESE 1955FSL 139FEL
 At total depth NESE 1955FSL 139FEL

5. Date Spudded: 12/01/2008
 15. Date T.D. Reached: 12/18/2008
 16. Date Completed: 02/13/2009
 D & A Ready to Prod.

6. If Indian, Allottee or Tribe Name
 7. Unit or CA Agreement Name and No.
 UNIT #891008900A
 8. Lease Name and Well No.
 NBU 1022-51-4
 9. API Well No.
 43-047-38520
 10. Field and Pool, or Exploratory
 NATURAL BUTTES
 11. Sec., T., R., M., or Block and Survey
 or Area Sec 5 T10S R22E Mer SLB
 12. County or Parish
 Uintah
 13. State
 UT
 17. Elevations (DF, KB, RT, GL)*
 5067 GL

18. Total Depth: MD 8915 TVD
 19. Plug Back T.D.: MD 7672 TVD
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 CBL-CCL-GR, BHES

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2300		650			
7.875	4.500 I-80	11.6		8915		1840			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7073							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	4922	6562	4922 TO 6562	0.360	168	OPEN
B) MESAVERDE	6880	7582	6880 TO 7582	0.360	119	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
4922 TO 6562	PMP 5640 BBLS SLICK H2O & 206,387# 40/70 SD
6880 TO 7582	PMP 6109 BBLS SLICK H2O & 223,905# 40/70 SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/13/2009	03/07/2009	24	→	5.0	1250.0	200.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22/64	SI	452	→	5	1250	200		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/13/2009	03/07/2009	24	→	5.0	1250.0	200.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22/64	SI	452	→	5	1250	200		PGW	

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #67976 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
 ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

RECEIVED
MAR 16 2009

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1164				
BIRDS NEST	1470				
MAHOGAN Y	1936				
WASATCH	4333	6552			
MESAVERDE	6807	8839			

32. Additional remarks (include plugging procedure):

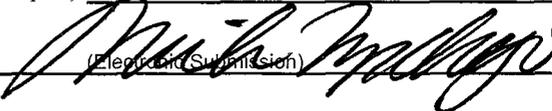
33. Circle enclosed attachments:

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

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

Electronic Submission #67976 Verified by the BLM Well Information System.
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (please print) SHEILA UPCHEGO Title OPERATIONS

Signature  (Electronic Submission) Date 03/12/2009

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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
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 1022-5I-4
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385200000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6501
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1955 FSL 0139 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

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

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

The operator requests authorization to temporarily abandon the subject well location. The operator proposes to temporarily abandon the subject well to drill the NBU 1022-5I PAD; which consists of the following wells: NBU 1022-5I1BS, NBU 1022-5H4BS, NBU 1022-5H4CS, NBU 1022-5I3AS.

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

Date: June 19, 2013

By: *Derek Quist*

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

Well Name: NBU 1022-5I-4
Surface Location: NESE Sec. 5, T10, R22E
 Uintah County, UT

6/12/13

Recommended action for disposition of well bore:

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

API: 4304738520 **LEASE#:** UTU-01191

ELEVATIONS: 5067' GL 5083' KB

TOTAL DEPTH: 8915' **PBTD:** 7672'

SURFACE CASING: 9 5/8", 36# J-55 @ 2300' (KB)

PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 8915'
 TOC @ Surface per CBL

PRODUCTION TUBING: 2 3/8" J-55, EOT @ 7069' (WOV rpt dated 3/11/11)

PERFORATIONS: WASATCH 4922' - 6562'
 MESAVERDE 6880' - 7580'

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

GEOLOGICAL TOPS:

4333' Wasatch

6807' Mesaverde

NBU 1022-5I-4 TEMPORARY ABANDONMENT PROCEDURE

GENERAL

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

PROCEDURE

Note: An estimated 26 sx of cement needed to perform procedure.

1. MIRU. KILL WELL AS NEEDED (TO INCLUDE SURFACE CSG PRESSURE). ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE MV/WAS PERFORATIONS (4922' - 7580')**: RIH W/ 4 1/2" CBP. SET @ ~4900'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX / 1.6 BBL / 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~4800'). REVERSE CIRCULATE W/ TREATED FRESH WATER (~5 BBLs).
5. **PLUG #2, PROTECT TOP OF WASATCH (4333')**: PUH TO ~4450'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **18 SX / 3.6 BBL / 20.1 CUFT** AND BALANCE PLUG W/ TOC @ ~4220' (230' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER (~65 BBLs).
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 6/12/13

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 1022-5I-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1955 FSL 0139 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 22.0E Meridian: S	9. API NUMBER: 43047385200000
10. PHONE NUMBER: 720 929-6111	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: 2/22/2014	<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 checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator has concluded the temporary abandonment operations on the subject well location on 2/22/2014. This well was plugged in order to expand and drill the NBU 1022-5I Pad wells. Please see the attached chronological well history for details. Thank you.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 March 18, 2014**

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 3/17/2014	

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008				
Project: UTAH-UINTAH			Site: NBU 1022-5I-4			Rig Name No:		
Event: ABANDONMENT			Start Date: 2/14/2014			End Date:		
Active Datum: RKB @5,083.00usft (above Mean Sea Level)				UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/14/2014	7:00 - 10:00	3.00		35		P		RUN PULLING TOOL, STACKED OUT AT 6953'. RUN IMPRESSION BLOCK, THERE WAS NO MARKS.
2/19/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. SLIP, TRIPS & FALLS.
	7:00 - 10:30	3.50	ABANDT	30	G	P		RD RIG. ROAD RIG F/ NBU 1022-3FT. MIRU RIG. SPOT EQUIP.
	10:30 - 17:00	6.50	ABANDT	31	I	P		FLOWING WELL PSI = 270 PSI. BLOW WELL DOWN T/ PROD TANK. ND WH, NU BOP. RU RIG FLOOR & TBG EQUIP. UNLAND TBG. LD 41/16 TBG HNGR. MIRU SCAN TECH TBG SCANNERS. SCAN 100 JTS 23/8 J-55 TBG. EOT @ 3093'. SWIFN.
2/20/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. SLIP, TRIPS & FALLS.
	7:00 - 12:00	5.00	ABANDT	31	I	P		SICP = 270 PSI. BLOW WELL DOWN T/ FBT. CONT POOH SCANNING TBG. TOTAL 229 JTS 23/8 J-55 TBG. FOUND = 132 YELLOW JTS, 80 BLUE JTS, 17 RED JTS. LIGHT OD SCALE F/ JT 62-100. MED OD SCALE F/ JT 201-229. 17 RED JTS WERE PITTED. LD XN, POBS & MILL. RDMO SCAN TECH TBG SCANNERS.
	12:00 - 13:30	1.50	ABANDT	34	I	P		MIRU CUTTERS WL. PU 41/2 8K HAL CBP. RIH SET CBP @ 4867'. POOH. RDMO CUTTERS WL.
	13:30 - 17:00	3.50	ABANDT	31	I	P		PU 23/8 NOTCH COLLAR. RIH W/ 158 JTS TAG CBP @ 4867'. P/U 5'. BRK CONV CIRC. FILL WELL W/ TREATED FRESH WATER. TOOK 55 BBLS T/ FILL CSG. CIRC WELL CLEAN. PSI TEST CSG T/ 500 PSI. GOOD TEST. BLEED OFF PSI. SWI FN.
2/21/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. SLIP TRIP & FALL'S.

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud Date: 12/2/2008	
Project: UTAH-UINTAH			Site: NBU 1022-5I-4		Rig Name No:
Event: ABANDONMENT			Start Date: 2/14/2014		End Date:
Active Datum: RKB @5,083.00usft (above Mean Sea Level)			UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 11:00	4.00	ABANDT	51	D	P		SICP = 0 PSI MIRU HAL CMT CREW. PSI TEST PUMP LINES T/ 3000 PSI. GOOD TEST. BLEED OFF PSI. 1st CMT BALANCE PLUG @ 4724 T/ 4867' (143' OF CMT) PUMP 10 BBL FRESH, 8 SXS CLASS G, 15.9# CMT, DISPLACE W/ 18.2 BBLS FRESH. SHUT DOWN PUMPING. POOH W/ 14 JTS, EOT @ 4437' FOR 2nd CMT BALANCE PLUG @ 4205' T/ 4437' (232' OF CMT) PUMP 10 BBLS FRESH, 18 SXS CLASS G, 15.9# CMT, DISPLACE W/ 17.2 BBLS FRESH. SHUT DOWN PUMPING. POOH W/ 8 JTS, EOT @ 4197' REV CMT T/ PIT W/ 35 BBLS. SHUT DOWN PUMPING. CLEAN UP HALL CMT LINES. RDMO HALL CMT CREW.
	11:00 - 17:00	6.00	ABANDT	31	I	P		POOH LD 136 JTS 23/8 TBG. LD NOTCH COLLAR. RD TBG EQUIP & RIG FLOOR. ND BOP. RD RIG & RACK OUT RIG EQUIP. DIG OUT AROUND WELL HEAD. FMC ND WELL HEAD. INSTALL NIGHT CAP. LOCATION READY FOR TEAR DOWN. LAT 39.97914, LONG -109.45488 ELEV = 5032' TEARDOWN FACILITY FOR MULTI WELL PAD
2/22/2014	7:00 -							

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-5I-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1955 FSL 0139 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047385200000
PHONE NUMBER: 720 929-6100		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"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/18/2015	<input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;"> The NBU 1022-5I-4 well was returned to production on 3/18/2015 following a temporary abandonment. Please see the attached operations summary report for details. Thank you. </p> <div style="text-align: right; margin-top: 20px;"> <p> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 19, 2015 </p> </div>		
NAME (PLEASE PRINT) Kristina Geno	PHONE NUMBER 720 929-6824	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/19/2015	

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud date: 12/2/2008				
Project: UTAH-UINTAH			Site: NBU 1022-5I PAD			Rig name no.: SWABBCO 6/6		
Event: ABANDONMENT			Start date: 1/30/2015			End date: 3/6/2015		
Active datum: RKB @5,083.00usft (above Mean Sea Level)				UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
1/30/2015	-							
3/4/2015	7:00 - 7:30	0.50	ABANDT	48		P		HSM, WORKING W/ PIPE WRANGLER PICKING UP TBG.
	7:30 - 10:00	2.50	ABANDT	30	A	P		RIGGED DOWN OFF 5I3AS, MOVED OVER & RIGGED UP, ND WH NU BOPS RU FLOOR & TBG EQUIP.
	10:00 - 11:30	1.50	ABANDT	31	I	P		TALLY & PU 37/8 MILL, POBS, 133 JTS 23/8 J-55 TAG @ 4217' RU DRLG EQUIP.
	11:30 - 16:30	5.00	ABANDT	44	A	P		BROKE CIRC W/ AIR/FOAM, D/O CMT F/ 4217' - 4457' 240 CMT, CIRC CLN, KILL TBG, HANG SWIVEL, POOH 9 JTS REM TSF, RIH 9 JTS PU 10 JTS TAG @ 4799' INSTAL TSF, SWI SDFN.
3/5/2015	7:00 - 7:30	0.50	ABANDT	48		P		HSM, DRILLING OUT ISOLATION PLUG WATCHING PRESSURE.
	7:30 - 17:00	9.50	ABANDT	44	D	P		BROKE CIRC W/ AIR/FOAM, D/O CMT F/ 4799' TO 4878' 79' CMT, D/O CBP @ 4878' IN 6 MIN -400 PSI DECREASE, RIH 1MORE JT TO 4927' 155 JTS IN.CIRC CLN, KILL TBG, HANG SWIVEL, PULL 4 JTS REM TSF, RIH 4 JTS PU 68 JTS TAG UP @ 7093', INSTALL TSF RU SWIVEL, BROKE CIRC W/ AIR/FOAM, C/O PATCHY SCALE F/ 7093'-7579' & SAND F/ 7579'-7652', CIRC CLN KILL TBG, RD SWIVEL L/D 18 JTS REM TSF, POOH W/ 222 L/D POBS & MILL. PU RIH W/ 1.875 X/N & 60 JTS 23/8 J-55, SWI SDFN
3/6/2015	7:00 - 7:30	0.50	ABANDT	48		P		HSM BROACHING TBG W/ SAND LINE.
	7:30 - 15:00	7.50	ABANDT	31	I	P		SICP & SITP 500, CONTROL TBG W/ 10 BBLS T-MAC, RIH W/ REM 162 JTS 23/8 J-55 BROACHING, LAND TBG ON 222 JTS 23/8 J-55. ND BOPS NU WH, SWI FOR BUILD UP. RIGGED DOWN & RELEASED RIG, ROAD RIG & EQUIP TO RANGELY. KB = 16' HANGER 41/16 = .83' 222 JTS 23/8 J-55 = 7060.11' 1.875 X/N = 1.05' EOT @ 7077.99' TWLTR 30 BBLS

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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	STATE: UTAH

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/3/2015	<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
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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: <input style="width: 100px;" type="text"/>

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

The NBU 1022-51-4 well was returned to production on 9/3/2015.
 Thank you.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 September 11, 2015**

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 9/10/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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6. COUNTY: UINTAH	STATE: UTAH

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/30/2016	<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
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THE NBU 1022-5I-4 WELL WAS RETURNED TO PRODUCTION ON
3/30/2016. THANK YOU.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 April 25, 2016**

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 4/21/2016	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
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: 720 929-6454
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1955 FSL 0139 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/18/2016 <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 checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the NBU 1022-5I-4 well. Please see the attached procedure for details. Thank you.

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

Date: _____
 By: *Derek Dunt*
 July 26, 2016

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 7/18/2016	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047385200000

**Plug #2 should be moved to isolate the BMSGW and Base of Parachute Creek and set from ~
3700' to 2700'.**

NBU 1022-5I-4
1955' FSL & 139' FEL
NESE SEC. 5, T10S, R22E
UINTAH UT

KBE:	5083'	API NUMBER:	4304738520
GLE:	5067'	LEASE NUMBER:	UTU01191
TD:	8915'	LAT/LONG:	39.97611/-109.454789
PBTD:	7672'		

CASING : 12.25" hole
SURFACE 9.625" 36# J-55 @ 2268'

PRODUCTION 7.875" hole
 4.5" 11.6# I-80 @ 8905'
 Est. TOC @ 190' CBL

PERFORATIONS: WASATCH & MESAVERDE TOP-BOTTOM 4922'-8838'

TUBING: 2.375" 4.7# L-80 tbg at 7078'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
2.375" 4.7# P-110 tbg	1.995	1.901	13800	15400	0.1624	0.02171	0.00387
2.375" 4.7# L-80 tbg	1.995	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 11.6# I-80 csg	4	3.875	6350	7780	0.65282	0.08727	0.01554
9.625" 36# J-55 csg	8.921	8.765	2020	3520	3.24699	0.43406	0.07731

Annular Capacities	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" tbg. X 4.5" csg	0.42272	0.05651	0.01006
4.5" csg. X 9.625" csg	2.42077	0.32361	0.05764
4.5" csg X 7.875 borehole	1.70406	0.2278	0.04057

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Top Green River	1167'
Top Mahogany	1961'
Base Parachute	2783'
Top Wasatch	4338'
Top Mesaverde	6779'

<http://digitallibrary.utah.gov/awweb/awarchive?type=file&item=55737>

BMSW Elevation ~1583' MSL
 BMSW Depth ~3500'

NBU 1022-5I-4 PLUG & ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED AS PER SOP.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.145 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 48 HOURS BEFORE MOVING ON LOCATION.

PERTINENT WELL HISTORY: S.N. @ 7077'

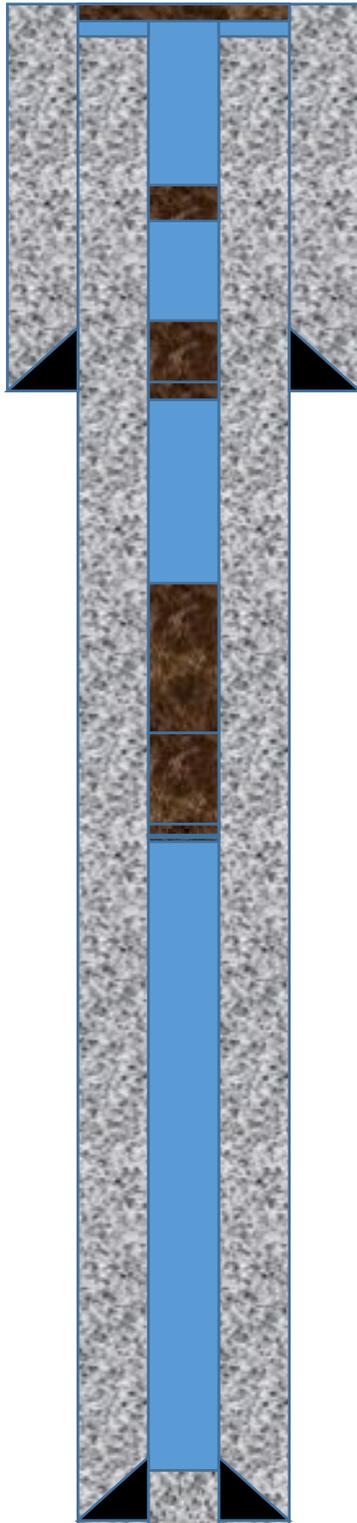
PROCEDURE

Note: Approx. 168 SXS Class "G" cement needed for procedure & (1) 4.5" CIBP

Note: NO GYRO ON RECORD. (IF GYRO NEEDED, A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE).

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE PERFORATIONS (4922'-8838'), PROTECT TOP OF WASATCH (4338') & BMSW (3500'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~4872', (50' above top perf at 4922'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 4872' to 4767'(8 SXS, 9.16 FT3). REVERSE CIRCULATE W/ TREATED WATER (~6.6 BBLS).
4. PROTECT WASATCH TOP (4338') & BMSW (3500'): PUH WITH TUBING AND PUMP A MINIMUM OF (943FT) CMT F/ 4338' to 3395' (72 SXS, 82.2 FT3). REVERSE CIRCULATE W/ TREATED WATER (~16.7 BBLS).
5. PROTECT CASING SHOE (2268') & MAHOGANY BASE (1961'): PUH WITH TUBING AND PUMP A MINIMUM OF (464FT) CMT F/ 2320' to 1856' (36 SXS, 40.46 FT3). REVERSE CIRCULATE W/ TREATED WATER (~9 BBLS).
6. PROTECT GREEN RIVER (1167'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1272' to 1062' (16 SXS, 18.32 FT3). REVERSE CIRCULATE W/ TREATED WATER (~14.9 BBLS).
7. PROTECT SURFACE (101'): POOH AND RIG UP WIRELINE. RIH WITH PERF GUNS FOR PRODUCTION CASING. PERFORATE CASING AT ~101' (TOC @ ~190'). PUMP A MINIMUM OF (36 SXS, 41.22 FT3) CMT TO FILL PRODUCTION CASING AND ANNULUS FROM 101' TO SURFACE.
8. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
9. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

NBU 1022-5I-4



Total SXS: 168, Total CIBP: 1

<- Plug for Surface at 0' from 0' to 101' with 36SXS,101ft.

<- TOC at 190'

<- Plug for GreenRiver at 1167' from 1272' to 1062' with 16SXS,210ft.

<- Plug for Surface Shoe at 2268' & Mahogany Base at 1961' from 2320' to 1856' with 36 SXS, 464ft.

<- Parachute Base at 2783'

<- Plug for Wasatch at 4338' & BMSW at 3500' from 4338' to 3395' with 72 SXS,943ft.

<- Plug above CIBP at 4872' from 4872' to 4767' with 8SXS,105ft.

<-CIBP Above Perfs at 4872'

<-Top Perf at 4922'

<-PBSD at 7672'

<- Production Casing Shoe at 8904'

<-TD at 8915'

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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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/4/2016 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input checked="" 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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 1022-51-4 well. Please see the operations summary report for details. <p style="text-align: center;">Thank you.</p> <div style="text-align: right;"> <p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 08, 2016</p> </div>		
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 8/8/2016	

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-5I-4		Spud Conductor: 12/1/2008		Spud date: 12/2/2008				
Project: UTAH-UINTAH			Site: NBU 1022-5I PAD			Rig name no.: MILES-GRAY 1/1		
Event: ABANDONMENT			Start date: 7/18/2016			End date: 8/4/2016		
Active datum: RKB @5,083.01ft (above Mean Sea Level)				UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (ft)	Operation
8/3/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 8:00	0.75	ABANDP	30	A	P		FINISH MIRU FROM PREVIOUS DAY. SPOT IN REST OF EQUIP.
	8:00 - 9:30	1.50	ABANDP	30	F	P		SICP= 700#. SITP= 400#. BLOW DOWN WELL TO FLOWBACK TANK. CNTRL TBNG W/ 30BBLS TMAC. CNTRL CSNG W/ 20BBLS TMAC. UN-LAND TBG (NOT STUCK). FUNCTION TEST BOP (GOOD). NUBOP. R/U FLOOR & TBG EQUIP. UN-LAND TBNG. INSTALL WASHINGTON RUBBER.
	9:30 - 13:30	4.00	ABANDP	31	I	P		MIRU SCANNERS. POOH WHILE SCANNING 222JTS 2-3/8" J-55 TBNG. L/D ALL TBNG FOR BETTER INSPECTION. SCAN RESULTS AS FOLLOWS: Y-BND= 206JTS R-BND= 16JTS
	13:30 - 15:30	2.00	ABANDP	31	G	P		RDMO SCANNERS. SPOT IN PIPE TRAILER. PREP & TALLY TBNG. P/U & RIH W/ 4-1/2" WF CIBP + 153JTS 2-3/8" J-55 TBNG. SET CIBP @ 4872'. PUH 10'
8/4/2016	15:30 - 16:30	1.00	ABANDP	52	F	P		BREAK CONV CIRC W/ TMAC. CIRC WELLBORE CLEAN W/ 75BBLS TMAC (GAS FREE). PRESSURE TEST CSNG GOOD @ 500#. LOST 0# IN 15 MIN. BLEED OFF PRESSURE. SWIFN. SDFN. P&A WITNESSED BY BRENDAN HUBER W/ BLM.
	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 11:30	4.25	ABANDP	46	E	Z		WAIT ON CMT CREW.

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-5I-4	Spud Conductor: 12/1/2008	Spud date: 12/2/2008
Project: UTAH-UINTAH	Site: NBU 1022-5I PAD	Rig name no.: MILES-GRAY 1/1
Event: ABANDONMENT	Start date: 7/18/2016	End date: 8/4/2016
Active datum: RKB @5,083.01ft (above Mean Sea Level)	UWI: 0/10/S/22/E/5/0/NESE/6/PM/S/1,955.00/E/0/139.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (ft)	Operation
	11:30 - 14:20	2.83	ABANDP	51	D	P		<p>MIRU CMT CREW. PUMP BALANCED PLUGS WHILE POOH W/ TBNG. ALL CMT PUMPED @ 15.8# AND IS "G" CMT. PUMP PLUGS AS FOLLOWS:</p> <p>#1 CIBP @ 4872'. PUMP 1BBL FRESH WATER. PUMP 10SX CMT. DISPLACE W/ 2BBL FRESH WATER & 16.3 BBL TMAC. PUH TBNG.</p> <p>#2. EOT @ 4438'. FILL HOLE. PUMP 1BBL FRESH WATER. PUMP 24SX CMT. DISPLACE W/ 2BBL FRESH WATER & 13.4BBL TMAC. PUH TBNG.</p> <p>#3. EOT @ 3700'. FILL HOLE. PUMP 1BBL FRESH WATER. PUMP 76SX CMT. DISPLACE W/ 2BBL FRESH WATER & 8.4BBL TMAC. PUH TBNG.</p> <p>#4. EOT @ 2320'. FILL HOLE. PUMP 1BBL FRESH WATER. PUMP 36SX CMT. DISPLACE W/ 2BBL FRESH WATER & 5.1BBL TMAC. PUH TBNG.</p> <p>#5. EOT @ 1272'. FILL HOLE. PUMP 1BBL FRESH WATER. PUMP 17SX CMT. DISPLACE W/ 2BBL FRESH WATER & 2BBL TMAC. POOH WHILE L/D ALL TBNG. FILL CSNG W/ TMAC.</p>
	14:20 - 15:00	0.67	ABANDP	34	H	P		<p>MIRU WIRELINE. P/U & RIH W/ 4SPF X 1' CSNG SQZ GUN. PERF CSNG @ 101'. POOH E-LINE. RDMO E-LINE.</p> <p>TRY TO PUMP DOWN 4-1/2" PRODUCTION CSNG & UP 8-5/8" SURFACE CSNG. NO LUCK, HELD 500# FOR 5MIN AND NO BLEED OFF.</p>
	15:00 - 17:00	2.00	ABANDP	51	D	P		<p>R/D FLOOR & TBNG EQUIP. NDBOP. MIRU ROUSTABOUT CREW. EXPOSE WELLHEAD. CUT & LOWER WELLHEAD. 8-5/8" X 4-1/2" ANNULUS HAD CMT @ SURFACE. P/U & RIH W/ 100' OF 1" STEEL TBNG (INSIDE 4-1/2" CSNG). FILL 4-1/2" CSNG W/ 10SX CMT UNTIL FULL OF CMT. CSNG STAYED FULL OF CMT. INSTALL MARKER PLATE. BACKFILL WELLHEAD. P&A COMPLETE.</p> <p>WELLHEAD COORDINATES:</p> <p>LAT: 39.97611 LONG: -109.454789</p> <p>P&A WITNESSED BY BRENDAN HUBER W/ BLM.</p>