

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-0149075
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 TRIBAL SURFACE
2. Name of Operator KERR MCGEE OIL AND 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 921-23C
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NW 817'FNL, 1945'FWL At proposed prod. Zone 626225X 40.026582 4431546Y -104.520749		9. API Well No. 4304739367
14. Distance in miles and direction from nearest town or post office* 16.75 +/- 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) 817'	16. No. of Acres in lease 640.00	11. Sec., T., R., M., or Blk, and Survey or Area SEC. 23, T9S, R21E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 9900'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4846'GL	22. Approximate date work will start* UPON APPROVAL	13. State UTAH
17. Spacing Unit dedicated to this well 40.00		
20. BLM/BIA Bond No. on file RLB0005239		
23. Estimated duration TO BE DETERMINED		

24. Attachments

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

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 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 6/4/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 06-19-07
Title ENVIRONMENTAL MANAGER		

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

Conditions of approval, if any, are attached.

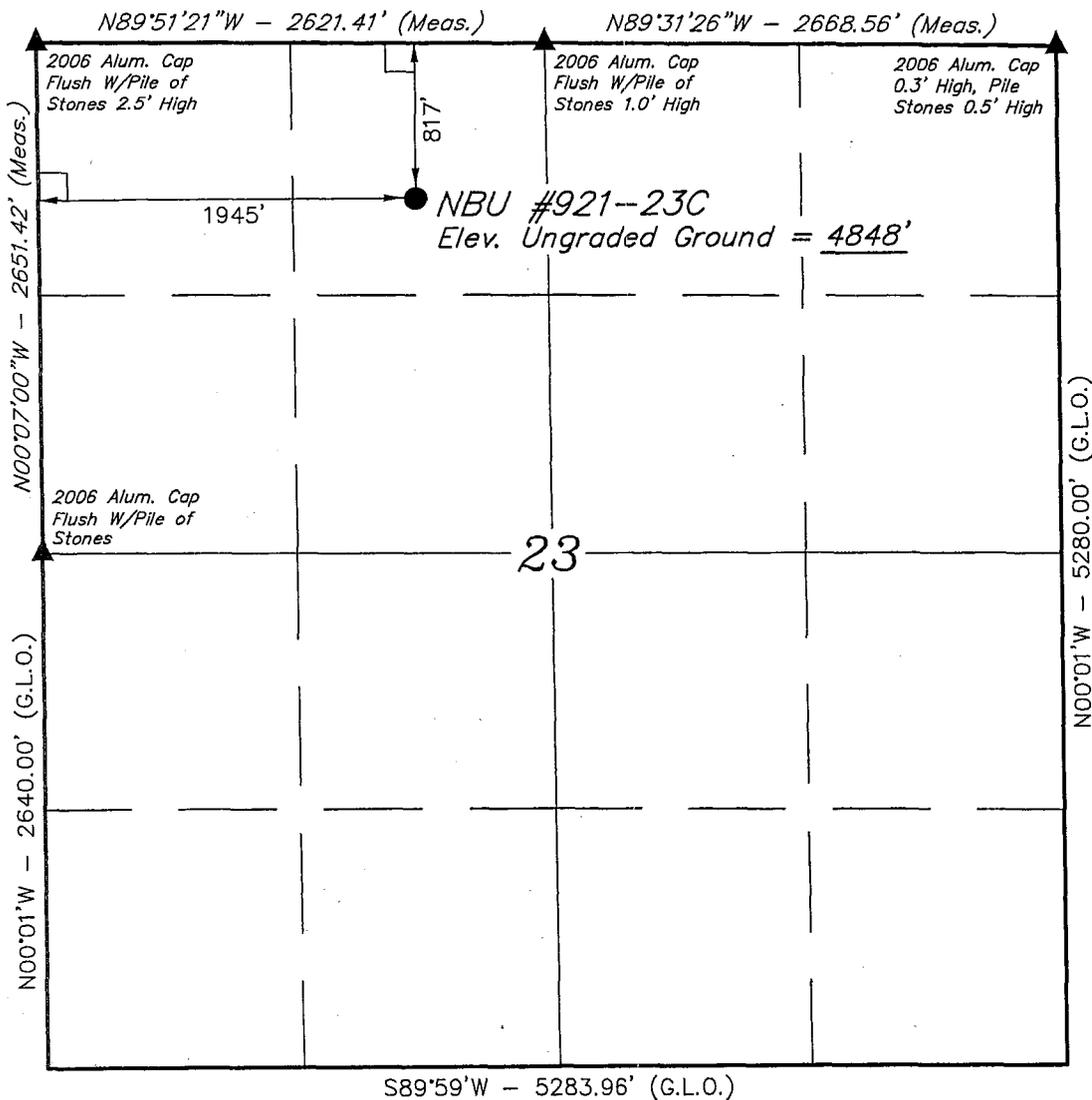
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED
JUN 11 2007
DIV. OF OIL, GAS & MINING

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



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°01'35.68" (40.026578)
 LONGITUDE = 109°31'17.36" (109.521489)
 (NAD 27)
 LATITUDE = 40°01'35.81" (40.026614)
 LONGITUDE = 109°31'14.88" (109.520800)

Kerr-McGee Oil & Gas Onshore LP

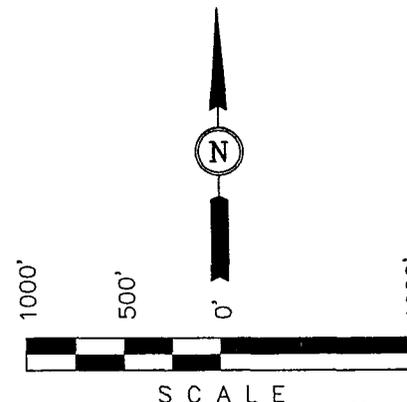
Well location, NBU #921-23C, located as shown in the NE 1/4 NW 1/4 of Section 23, T9S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

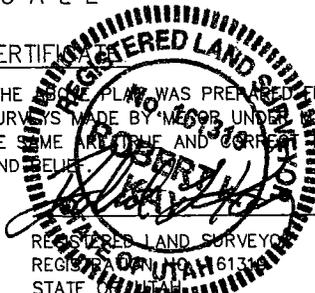
BASIS OF BEARINGS

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



CERTIFICATION

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



UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-27-07	DATE DRAWN: 04-11-07
PARTY D.K. M.B. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 921-23C
NE/NW Sec. 23, T9S, R21E
UINTAH COUNTY, UTAH
UTU-0149075

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1616'
Top of Birds Nest Water	1919'
Mahogany	2282'
Wasatch	4932'
Mesaverde	7762'
MVU2	8708'
MVL1	9272'
TD	9900'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1616'
	Top of Birds Nest Water	1919'
	Mahogany	2282'
	Wasatch	4932'
Gas	Mesaverde	7762'
Gas	MVU2	8708'
Gas	MVL1	9272'
Gas	N/A	
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 9900' TD, approximately equals 6138 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3960 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.

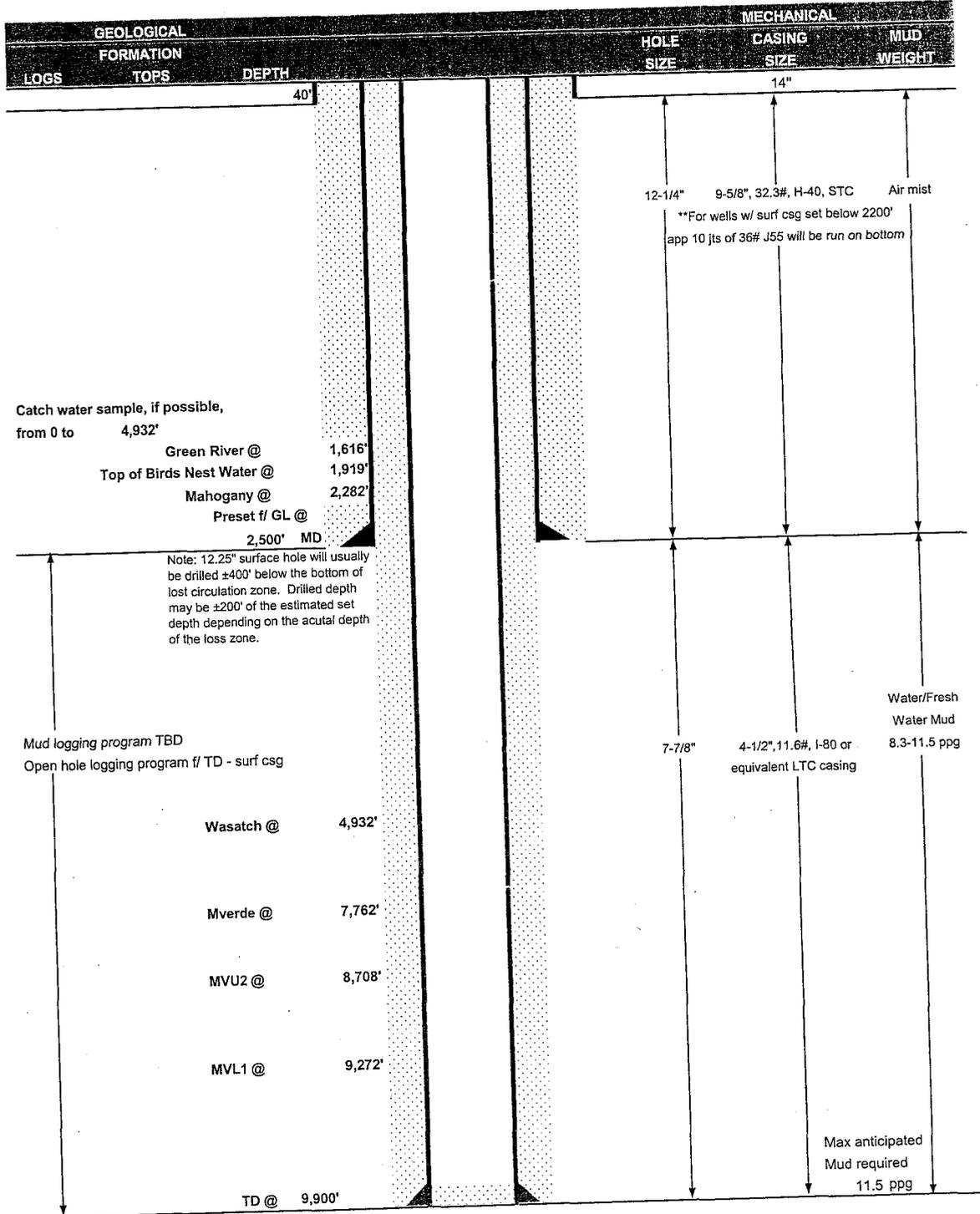
10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE June 4, 2007
 WELL NAME NBU 921-23C TD 9,900' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,846' GL KB 4,861'
 SURFACE LOCATION NENW SEC 23-T9S-R21E, 817' FNL 1945' FWL BHL Straight Hole
 Latitude: 40.026578 Longitude: 109.521489
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: TRIBAL SURF & BLM MINERALS, UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL		WT.	GR.	CPLG.	DESIGN FACTORS		
							BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'					2270	1370	254000
SURFACE	9-5/8"	0	to 2100	32.30	H-40	STC	0.61*****	1.39	3.59
	9-5/8"	2100	to 2500	36.00	J-55	STC	1.19*****	2020	564000
PRODUCTION	4-1/2"	0	to 9900	11.60	I-80	LTC	7780	1.73	7.98
							2.08	1.07	2.01

- 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 3742 psi
- ***** Burst SF is low but csg is stronger than formation at 2500 feet
- ***** EMW @ 2500 for 2270# is 17.5 ppg or 0.9 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	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	4,430'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	480	60%	11.00	3.38
	TAIL	5,470'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1530	60%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

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

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

DRILLING ENGINEER:

Brad Laney

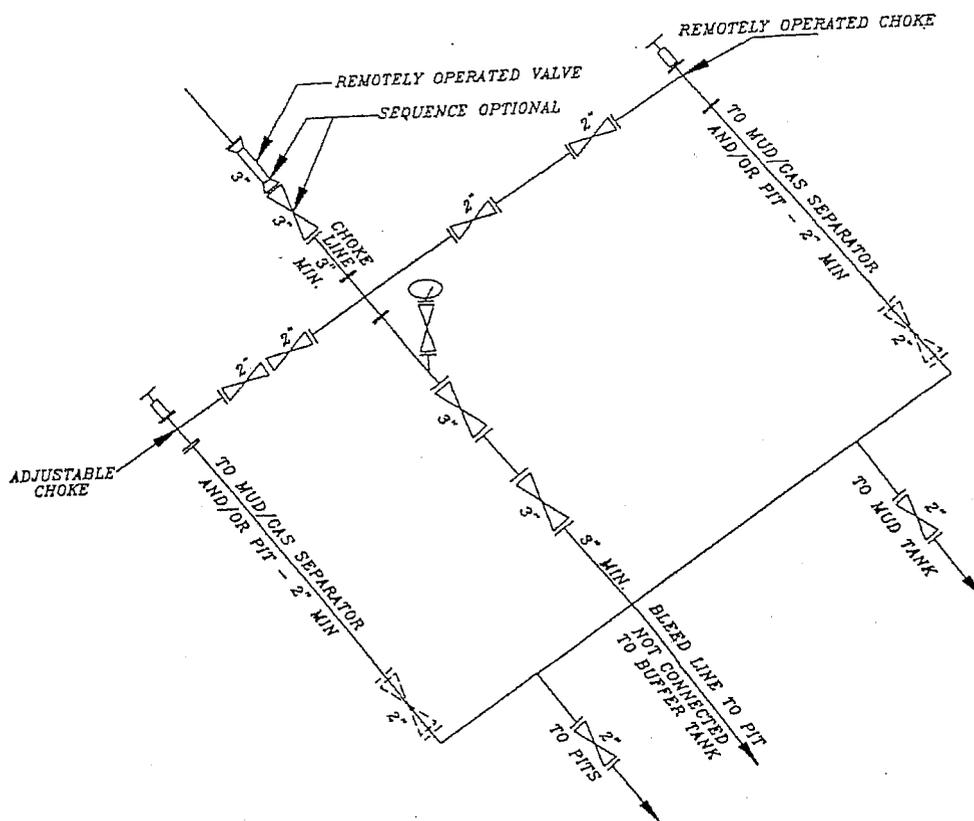
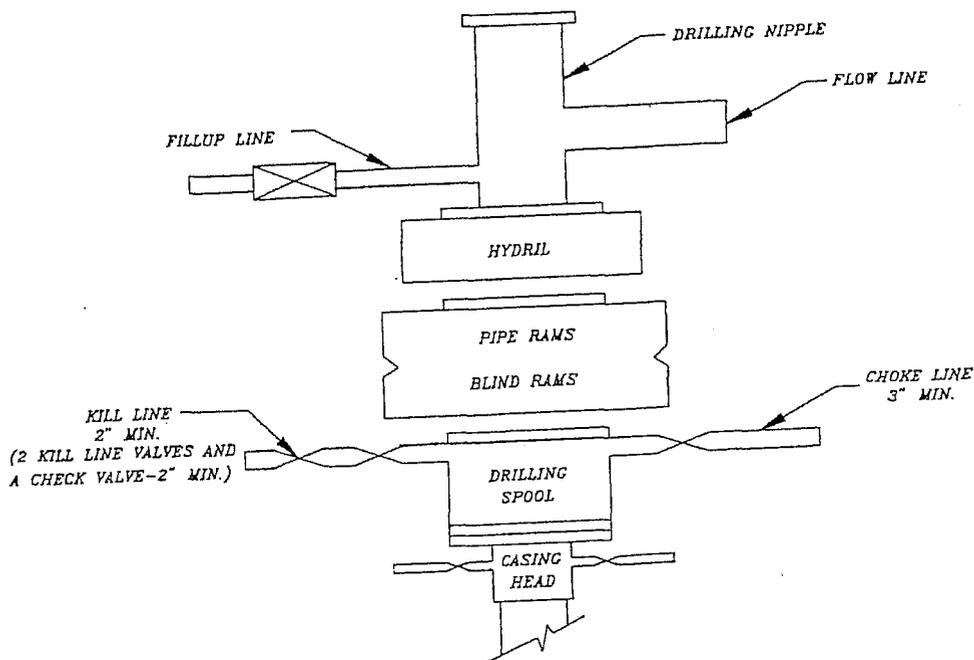
DATE: _____

DRILLING SUPERINTENDENT:

Randy Bayne

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-23C
NE/NW SEC. 23, T9S, R21E
UINTAH COUNTY, UTAH
UTU-0149075

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 0.15 +/- miles of new access road. 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 1614' +/- of 4" steel pipeline is proposed from the location to an existing pipeline. Refer to the attached Topo Map D.

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.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

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.

11. **Surface Ownership:**

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

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

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

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

Sheila Upchego
Senior Land Admin Specialist
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 Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

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

6/4/2007

Date

Kerr-McGee Oil & Gas Onshore LP

NBU #921-23C

SECTION 23, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN 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 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 46.75 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-23C

LOCATED IN UINTAH COUNTY, UTAH
SECTION 23, T9S, R21E, S.L.B.&M.

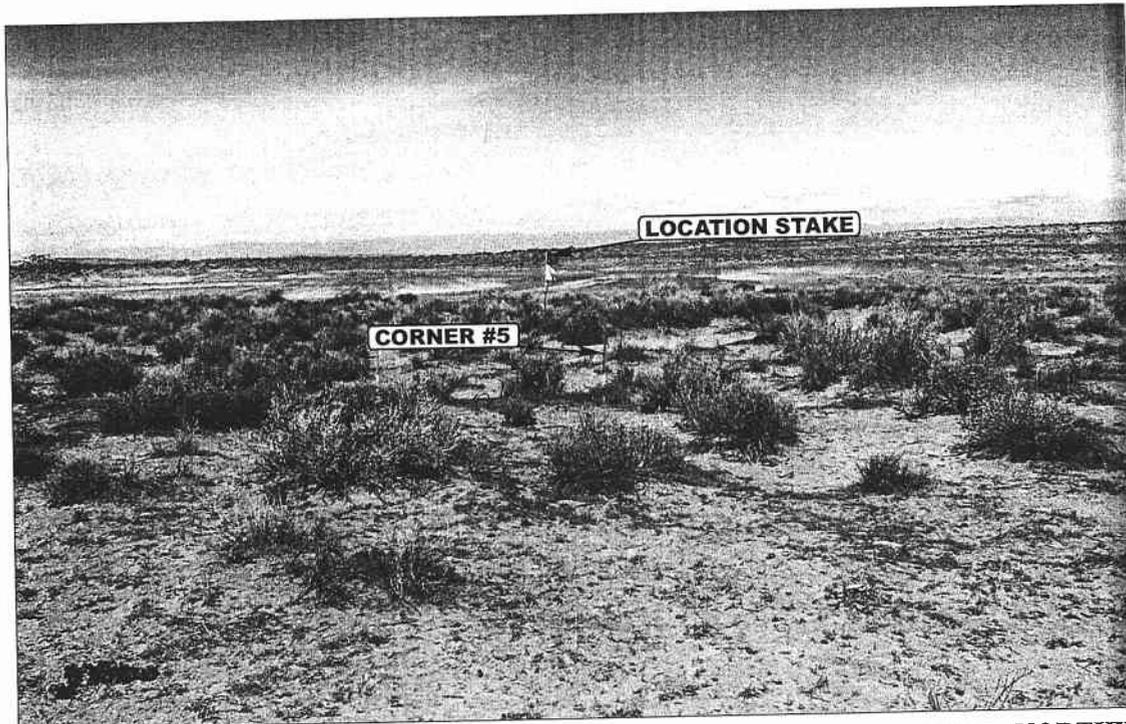


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

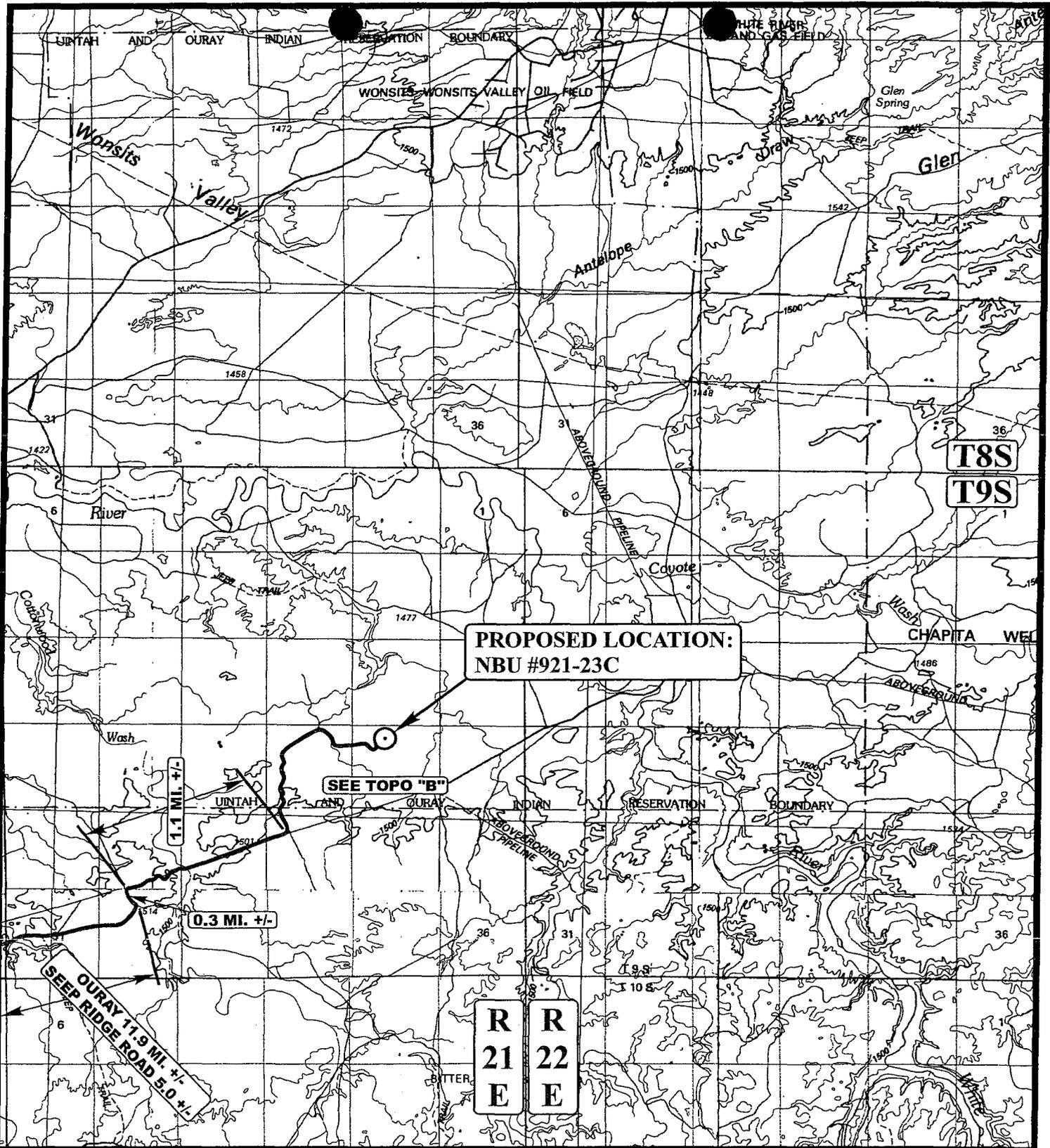
CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS	04	05	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: C.P.		REVISED: 00-00-00	



**PROPOSED LOCATION:
NBU #921-23C**

SEE TOPO "B"

**R
21
E** **R
22
E**

**T8S
T9S**

LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

**NBU #921-23C
SECTION 23, T9S, R21E, S.L.B.&M.
817' FNL 1945' FWL**



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

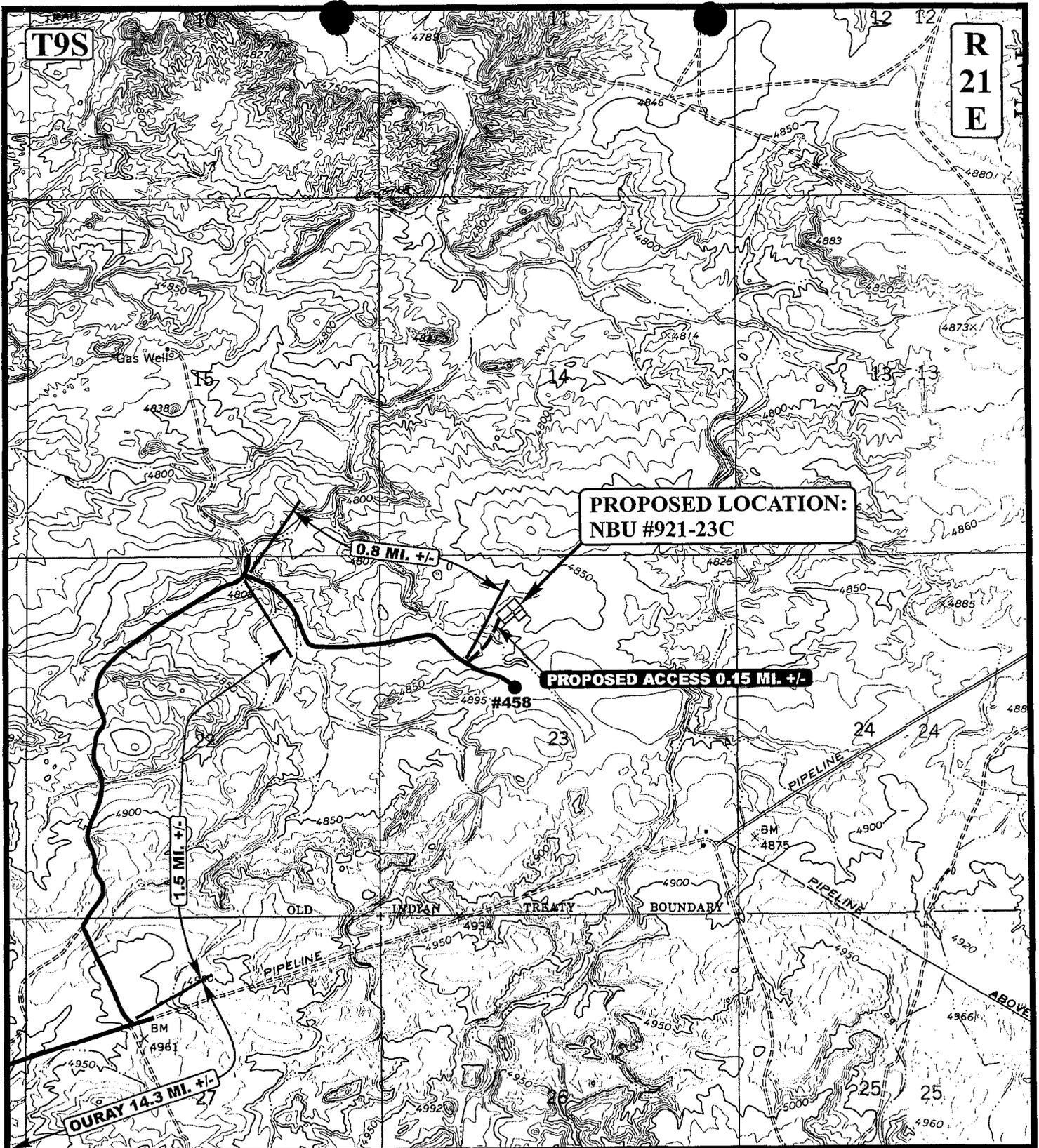


**TOPOGRAPHIC
MAP**

04 05 07
MONTH DAY YEAR

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





LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #921-23C
 SECTION 23, T9S, R21E, S.L.B.&M.
 817' FNL 1945' FWL

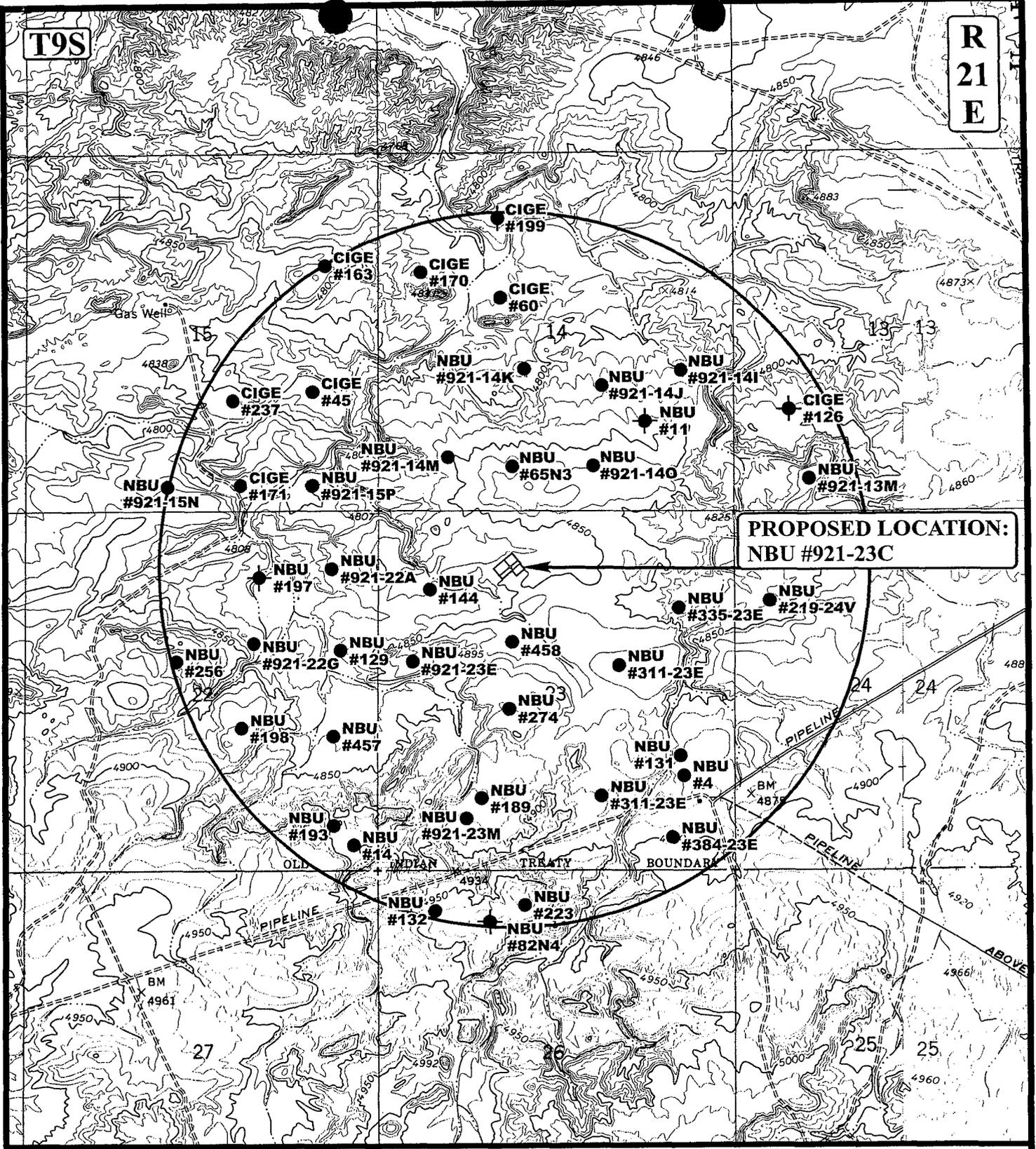
U&L S Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 04 05 07
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
TOPO

T9S

R
21
E



**PROPOSED LOCATION:
NBU #921-23C**

LEGEND:

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

Kerr-McGee Oil & Gas Onshore LP

**NBU #921-23C
SECTION 23, T9S, R21E, S.L.B.&M.
817' FNL 1945' FWL**

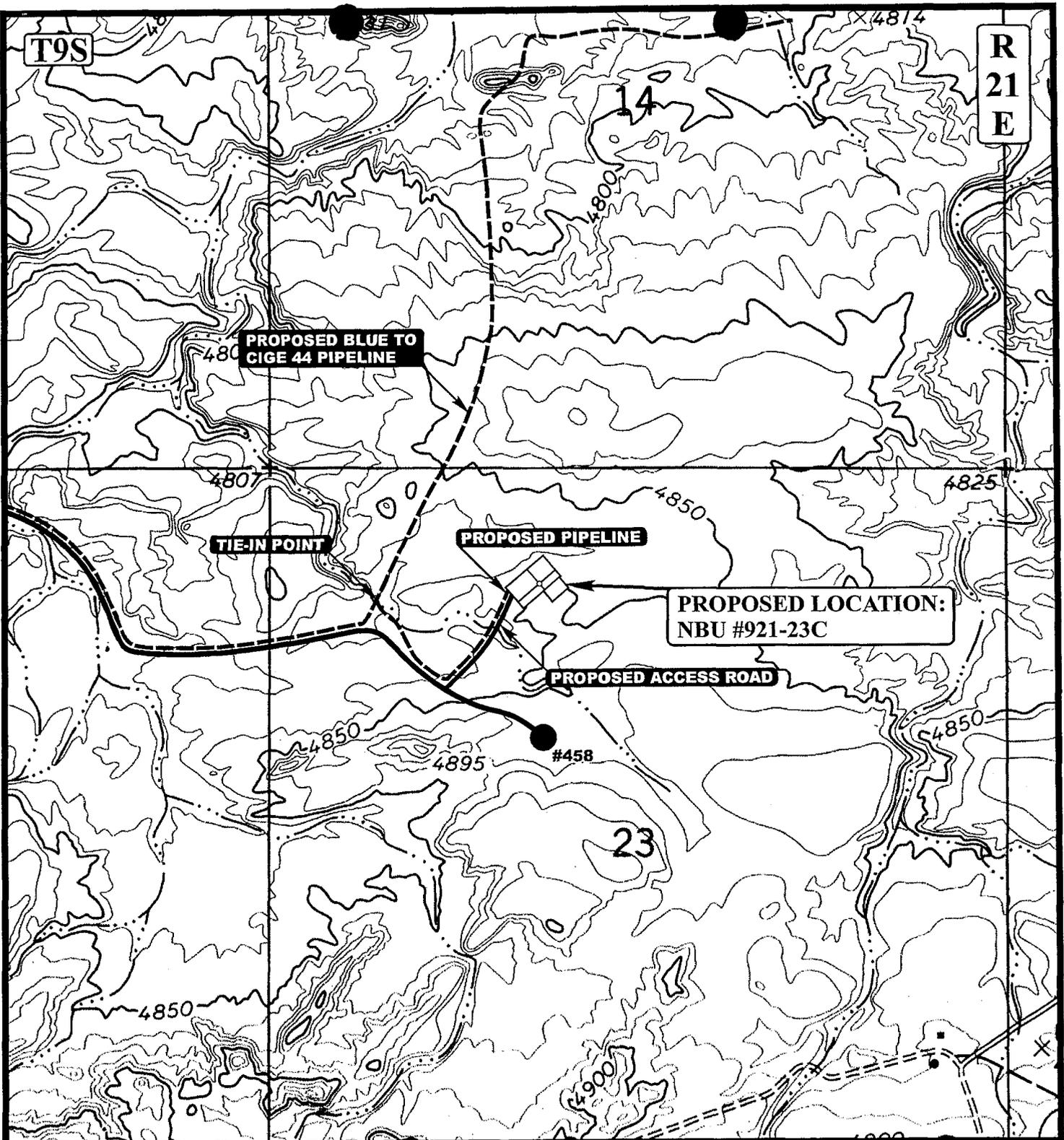


Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC MAP
04 05 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,614' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



Kerr-McGee Oil & Gas Onshore LP

NBU #921-23C
SECTION 23, T9S, R21E, S.L.B.&M.
817' FNL 1945' FWL



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

TOPOGRAPHIC	04	05	07
MAP	MONTH	DAY	YEAR
SCALE: 1" = 1000'	DRAWN BY: C.P.		REVISED: 00-00-00



Kerr-McGee Oil & Gas Onshore LP

NBU #921-23C

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 23, T9S, R21E, S.L.B.&M.

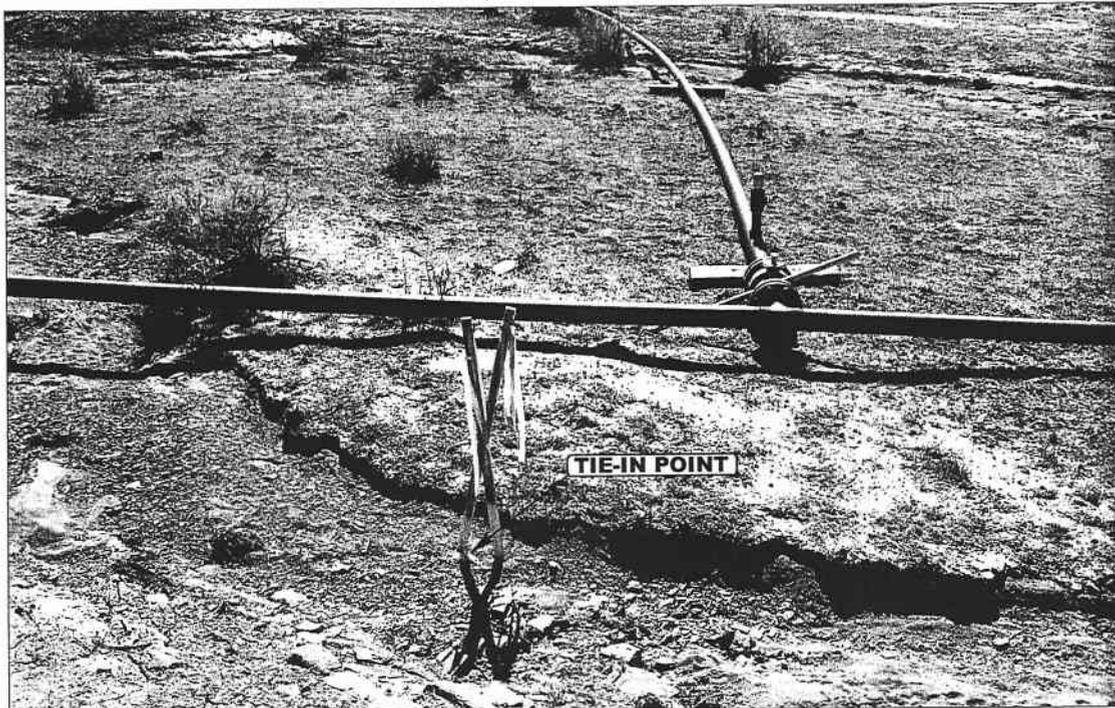


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHEASTERLY

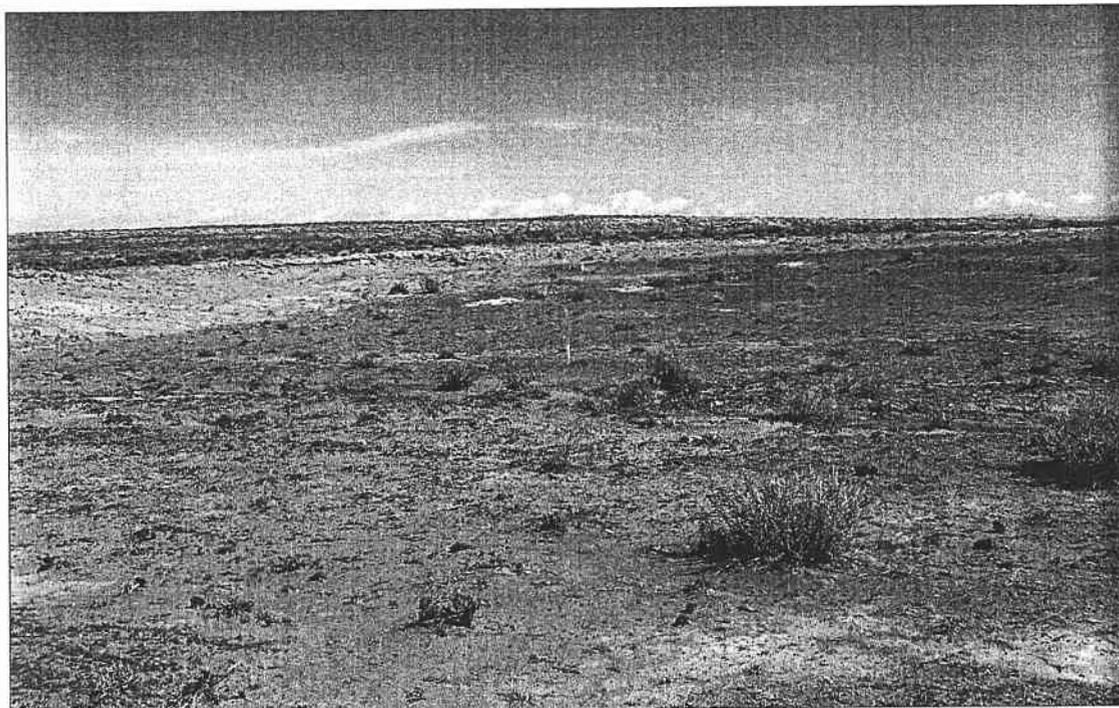


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

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

PIPELINE PHOTOS

04 | 05 | 07
MONTH | DAY | YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REVISED: 00-00-00

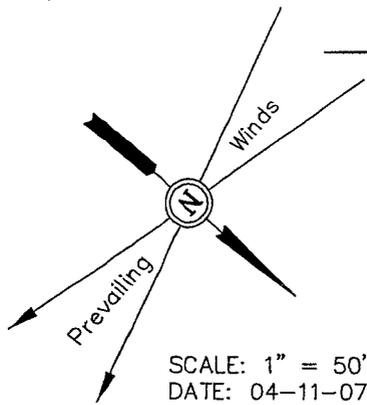
LOCATION LAYOUT FOR

NBU #921-23C

SECTION 23, T9S, R21E, S.L.B.&M.

817' FNL 1945' FWL

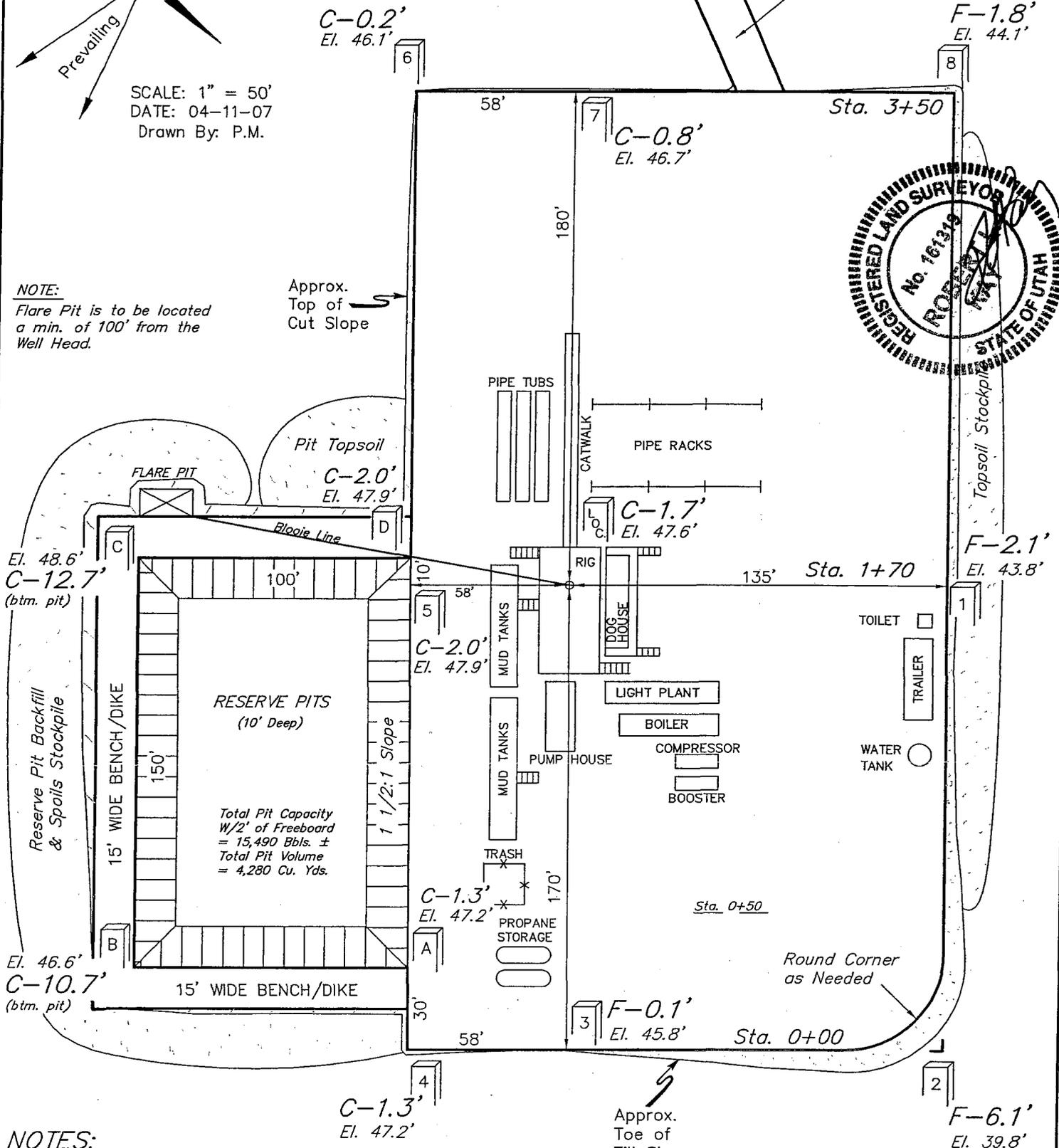
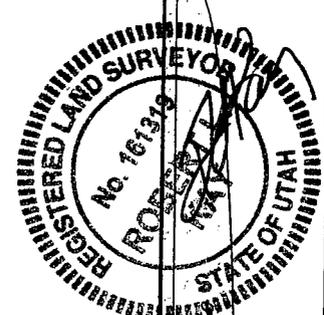
Proposed Access Road



SCALE: 1" = 50'
DATE: 04-11-07
Drawn By: P.M.

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

Approx. Top of Cut Slope



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4847.6'
FINISHED GRADE ELEV. AT LOC. STAKE = 4845.9'

Approx. Toe of Fill Slope

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #921-23C

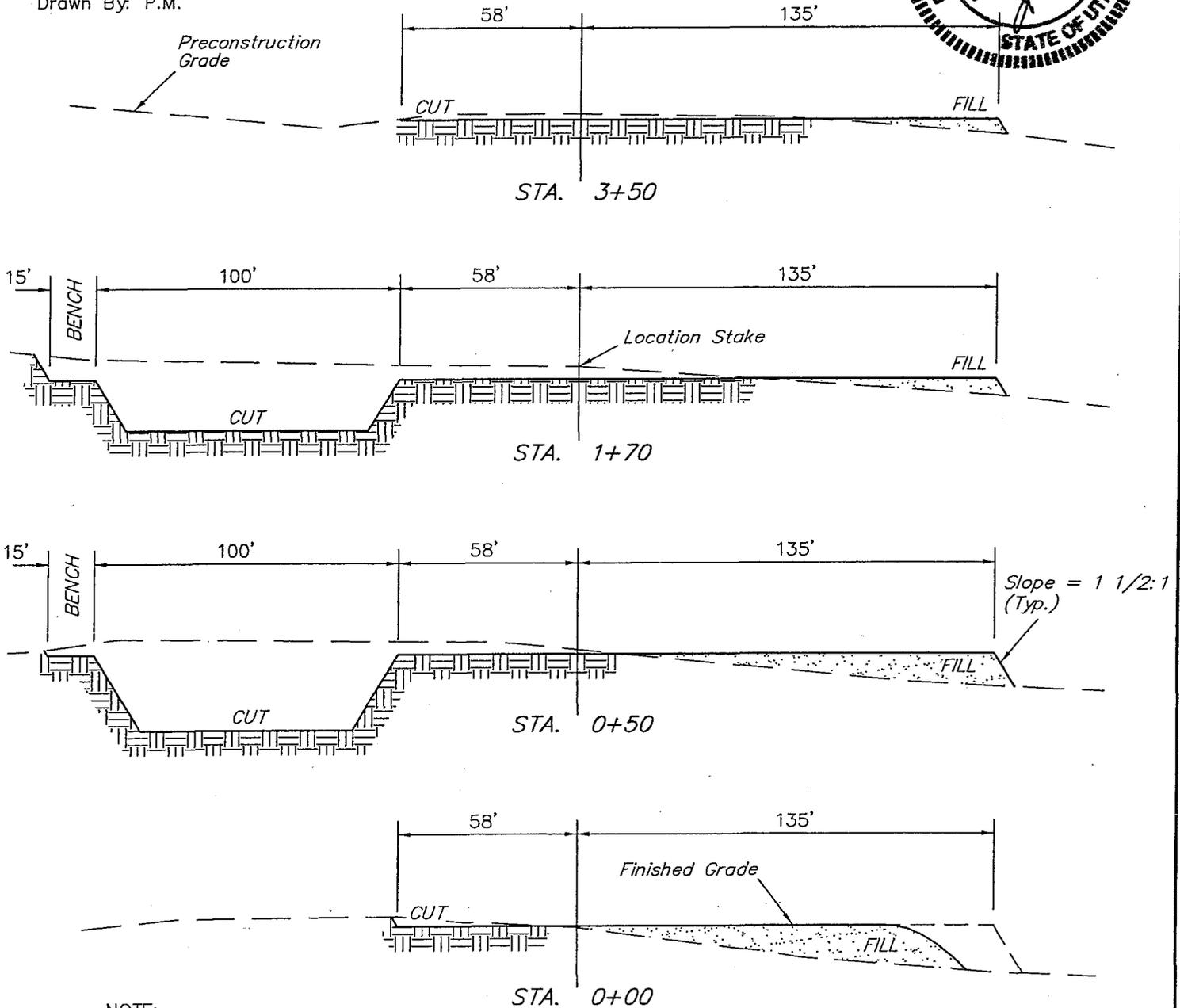
SECTION 23, T9S, R21E, S.L.B.&M.

817' FNL 1945' FWL



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

DATE: 04-11-07
Drawn By: P.M.



NOTE:

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

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,500 Cu. Yds.
Remaining Location	= 5,660 Cu. Yds.
TOTAL CUT	= 9,160 CU.YDS.
FILL	= 3,520 CU.YDS.

EXCESS MATERIAL	= 5,640 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,640 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/11/2007

API NO. ASSIGNED: 43-047-39367

WELL NAME: NBU 921-23C
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NENW 23 090S 210E
 SURFACE: 0817 FNL 1945 FWL
 BOTTOM: 0817 FNL 1945 FWL
 COUNTY: UINTAH
 LATITUDE: 40.02658 LONGITUDE: -109.5208
 UTM SURF EASTINGS: 626225 NORTHINGS: 4431546
 FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-0149075
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- _____ R649-2-3.
- Unit: NATURAL BUTTES
- _____ R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
- _____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 17214
Eff Date: 12-2-99
Siting: 460' fr u/side of unconsolidated Tross
- _____ R649-3-11. Directional Drill

COMMENTS:

See Separate File

STIPULATIONS:

Info sent to [unclear]
2 - OIL SHALE

T9S R21E

CAUSE: 173-14 / 12-2-1999

NATURAL BUTTES UNIT NATURAL BUTTES FIELD



OPERATOR: KERR MCGEE O&G (N9550)

SEC: 23,25 T.9S R. 21E

FIELD: NATURAL BUTTES (630)

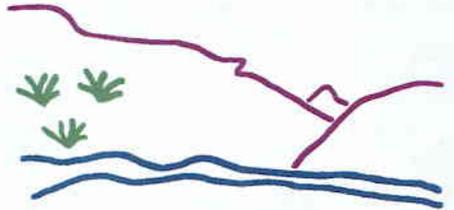
COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status	
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

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

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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 14-JUNE-2007

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)

June 18, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 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 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39375	NBU 1021-05MT	Sec 05 T10S R21E 0745 FSL 0529 FWL
43-047-39376	NBU 1021-11I	Sec 11 T10S R21E 2387 FSL 1247 FEL
43-047-39377	NBU 1021-11O	Sec 11 T10S R21E 1192 FSL 2437 FEL
43-047-39378	NBU 1021-11N	Sec 11 T10S R21E 1258 FSL 1861 FWL
43-047-39379	NBU 1021-11P	Sec 11 T10S R21E 0232 FSL 1170 FEL
43-047-39380	NBU 1021-11M	Sec 11 T10S R21E 0425 FSL 1318 FWL
43-047-39381	NBU 1021-11J	Sec 11 T10S R21E 2252 FSL 2402 FEL
43-047-39383	NBU 1021-12A	Sec 12 T10S R21E 0835 FNL 0781 FEL
43-047-39382	NBU 1021-12M	Sec 12 T10S R21E 1022 FSL 0329 FWL
43-047-39384	NBU 1021-12N	Sec 12 T10S R21E 0677 FSL 2302 FWL
43-047-39385	NBU 1021-12K	Sec 12 T10S R21E 1532 FSL 1952 FWL
43-047-39386	NBU 1021-12L	Sec 12 T10S R21E 1580 FSL 0196 FWL
43-047-39360	NBU 921-16J	Sec 16 T09S R21E 1994 FSL 1660 FEL
43-047-39361	NBU 921-16HT	Sec 16 T09S R21E 1858 FNL 1013 FEL
43-047-39362	NBU 921-16MT	Sec 16 T09S R21E 1261 FSL 1248 FWL
43-047-39363	NBU 921-17K	Sec 17 T09S R21E 2147 FSL 1635 FWL
43-047-39364	NBU 921-17J	Sec 17 T09S R21E 1508 FSL 1748 FEL
43-047-39365	NBU 921-20M	Sec 20 T09S R21E 0568 FSL 0586 FWL
43-047-39366	NBU 921-20O	Sec 20 T09S R21E 1026 FSL 1859 FEL
43-047-39367	NBU 921-23C	Sec 23 T09S R21E 0817 FNL 1945 FWL
43-047-39368	NBU 921-25NT	Sec 25 T09S R21E 1150 FSL 2607 FWL
43-047-39369	NBU 922-18O	Sec 18 T09S R22E 1255 FSL 2083 FEL

Page 2

43-047-39370 NBU 922-18I Sec 18 T09S R22E 1600 FSL 0901 FEL
43-047-39371 NBU 922-18G Sec 18 T09S R22E 2009 FNL 1936 FEL
43-047-39372 NBU 922-20E Sec 20 T09S R22E 2182 FNL 0452 FWL
43-047-39387 NBU 1022-6B-2 Sec 06 T10S R22E 0160 FNL 2289 FEL
43-047-39389 NBU 1022-24B Sec 24 T10S R22E 1035 FNL 1619 FEL
43-047-39374 NBU 1020-24BT Sec 24 T10S R20E 0914 FNL 1966 FEL
43-047-39373 NBU 1020-01KT Sec 01 T10S R20E 1731 FSL 1834 FWL

Our records indicate the NBU 1022-24B is closer than 460 feet from the Natural Buttes Unit boundary.

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-18-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 19, 2007

Kerr-McGee Oil & Gas
1368 S 1200 East
Vernal, UT 84078

Re: Natural Buttes 921-23C Well, 817' FNL, 1945' FWL, NE NW, Sec. 23, T. 9 South,
R. 21 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39367.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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



Operator: Kerr-McGee Oil & Gas

Well Name & Number Natural Buttes 921-23C

API Number: 43-047-39367

Lease: UTU-0149075

Location: NE NW Sec. 23 T. 9 South R. 21 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

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

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

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

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

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

5. In accordance with 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.

RECEIVED
VERNAL FIELD OFFICE

2007 JUN .5 PM 2:47

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

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

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

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

At surface **NE/NW 817'FNL, 1945'FWL**
At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*
16.75 +/- MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **817'**

16. No. of Acres in lease
640.00

17. Spacing Unit dedicated to this well
40.00

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

19. Proposed Depth
9900'

20. BLM/BIA Bond No. on file
RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4846'GL

22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
TO BE DETERMINED

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 6/4/2007
Title SENIOR LAND ADMIN SPECIALIST		

Approved by (Signature) 	Name (Printed/Typed) Jerry Kavata	Date 3-13-2008
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.

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.

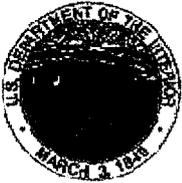
*(Instructions on reverse)

RECEIVED

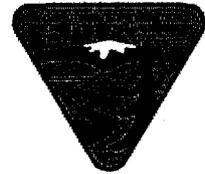
MAR 18 2008

DIV. OF OIL, GAS & MINERAL

No NOS
OFM10031A



**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:** NENW, Sec. 23, T9S, R21E
Well No: NBU 921-23C **Lease No:** UTU-0149075
API No: 43-047-39367 **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
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
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	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3425

**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

Construction Activity	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
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)

General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

Specific Surface COAs

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

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.

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-0149075

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

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

UNIT #891008900A
NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-23C

9. API Well No.

4304739367

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

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

NE/NW SEC. 23, T9S, R21E 817'FNL, 1945'FWL

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

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

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

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

SPUD WELL LOCATION ON 04/09/2008 AT 0830 HRS.

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

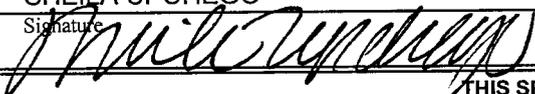
Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature



Date

April 9, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

RECEIVED

APR 15 2008

DIV. OF OIL, GAS & MINING

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737545	NBU 1022-17L		NWSW	17	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	4/8/2008		4/28/08		
Comments: MIRU PETE MARTIN AIR RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 04/08/2008 AT 0930 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739367	NBU 921-23C		NENW	23	9S,	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	4/9/2008		4/28/08		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 04/09/2008 AT 0830 HRS							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737324	BONANZA 1023-6H		SENE	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16798	4/9/2008		4/28/08		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 04/09/2008 AT 1330 HRS.							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST 4/9/2008

Title

Date

RECEIVED

APR 24 2008

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NW SEC. 23, T9S, R21E 817'FNL, 1945'FWL

5. Lease Serial No.
UTU-0149075

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

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

8. Well Name and No.
NBU 921-23C

9. API Well No.
4304739367

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input 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>SET SURFACE</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>CSG</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

MIRU PROPETRO AIR RIG ON 04/15/2008. DRILLED 12 1/4" SURFACE HOLE TO 2550'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/230 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/225 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB NO LEAD CMT TO SURFACE 490 PSI LIFT. RAN 200' OF 1" PIPE. CMT W/150 SX PREM CLASS G @ 15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL. WORT.

RECEIVED

MAY 02 2008

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date April 21, 2008

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NW SEC. 23, T9S, R21E 817'FNL, 1945'FWL

5. Lease Serial No.
UTU-0149075

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

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

8. Well Name and No.
NBU 921-23C

9. API Well No.
4304739367

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

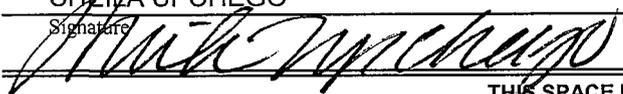
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input 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 FINAL 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 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.

FINISHED DRILLING FROM 2550' TO 9830' ON 06/10/2008. RAN 4 1/2" 11.6# P-110 PRODUCTION CSG. LEAD CMT W/500 SX PREM LITE II @12.0 PPG 2.37 YIELD. TAILED CMT W/1350 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/151.3 BBLS CLAYTREAT WATER BUMP PLUG @2900 PSI (500 OVER FINAL CIRC PRESS OF 2400) FULL RETURNS THROUGH OUT JOB W/2 BBLS BACK TO TRUCK NO CMT TO SURFACE HANG CASING W/80,000 ON HANGER TEST HANGER PIT LINER OK N/D BOP CLEAN PITS.
RELEASED ENSIGN RIG 83 ON 06/12/2008 AT 1400 HRS.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date June 13, 2008

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)

RECEIVED

JUN 17 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.
UTU-0149075

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

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

8. Well Name and No.
NBU 921-23C

9. API Well No.
4304739367

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NW SEC. 23, T9S, R21E 817'FNL, 1945'FWL

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

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 07/13/2008 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature 	Date July 14, 2008

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)

RECEIVED
JUL 17 2008
DIV. OF OIL, GAS & MINING

Wins No.: 94969

NBU 921-23C

Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 04/09/2008	GL 4,846	KB 4863	ROUTE
API 4304739367	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.02658 / -109.52149		Q-Q/Sect/Town/Range: NENW / 23 / 9S / 21E		Footages: 816.00' FNL 1,945.00' FWL	

Wellbore: NBU 921-23C

MTD 9,830	TVD 9,820	PBMD	PBTVD				
EVENT INFORMATION: EVENT ACTIVITY: DRILLING OBJECTIVE: DEVELOPMENT OBJECTIVE 2: ORIGINAL REASON: MV		START DATE: 4/9/2008 END DATE: 6/12/2008 DATE WELL STARTED PROD.: Event End Status: COMPLETE					
RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
ENSGN 83 / 83	05/26/2008	05/26/2008		05/28/2008	06/10/2008	06/12/2008	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
4/9/2008	SUPERVISOR: LEW WELDON MD: 57						
	8:30 - 13:30	5.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0830 HR 4/9/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 83 BLM AND STATE NOTIFIED OF SPUD
4/15/2008	SUPERVISOR: LEW WELDON MD: 600						
	10:30 - 0:00	13.50	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1030 HR 4/15/08 DA AT REPORT TIME 600'
4/16/2008	SUPERVISOR: LEW WELDON MD: 1,440						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1020'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1440'
4/17/2008	SUPERVISOR: LEW WELDON MD: 2,430						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1950'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2450'
4/18/2008	SUPERVISOR: LEW WELDON MD: 2,550						
	0:00 - 5:00	5.00	DRLSUR	02		P	RIG T/D @ 2550' CONDITION HOLE 1 HR
	5:00 - 8:00	3.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
	8:00 - 12:00	4.00	DRLSUR	11		P	RUN 2507' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	12:00 - 13:00	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 230 SKS LEAD @ 11# 3.82 23 GAL/SK AND 225 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS TRUOUT JOB NO LEAD CMT TO SURFACE 490 PSI LIFT

7/14/2008 9:50:31AM

1

12:00 - 13:00	1.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 230 SKS LEAD @ 11# 3.82 23 GAL/SK AND 225 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS TRUOUT JOB NO LEAD CMT TO SURFACE 490 PSI LIFT
13:00 - 13:30	0.50	DRLSUR	15	P	1ST TOP JOB 150 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
13:30 - 14:30	1.00	DRLSUR	15	P	2ND TOP JOB 75 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
14:30 - 14:30	0.00	DRLSUR			NO VISIBLE LEAKS PIT 1/4 FULL WORT

5/25/2008	SUPERVISOR: SID ARMSTRONG					MD: 2,550
0:00 - 0:00	24.00	DRLPRO	01	A	P	R/D RIG WILL BE MOVING THIS AM W/ KERR TRUCKING

5/26/2008	SUPERVISOR: SID ARMSTRONG					MD: 2,550
0:00 - 0:00	24.00	DRLPRO	01	A	P	R/D & MOVE RIG W/ KERR TRUCKING THIS AM & 100% MOVED & 60% RIG UP

5/27/2008	SUPERVISOR: SID ARMSTRONG					MD: 2,550
0:00 - 19:00	19.00	DRLPRO	01	B	P	R.U.R.T
19:00 - 22:00	3.00	DRLPRO	13	A	P	NIPPLE UP B.O.P'S - RIG UP FLARE LINES & INGINTOR
22:00 - 0:00	2.00	DRLPRO	13	C	P	TEST B.O.P'S

5/28/2008	SUPERVISOR: SID ARMSTRONG					MD: 3,124
0:00 - 3:30	3.50	DRLPRO	13	C	P	TEST B.O.P'S
3:30 - 10:30	7.00	DRLPRO	05	A	P	INSTALL WEAR BUSHING & HELD SAFETY MEETING & R/U LAYDOWN MACHINE & P/U BHA - TAG @ 2435
10:30 - 13:00	2.50	DRLPRO	05	A	P	TORQUE KELLY & INSTALL ROTHEAD & DRIVER & KELLY SPINNERS
13:00 - 15:00	2.00	DRLPRO	02	F	P	DRLG CEMENT DRLG F.E
15:00 - 15:30	0.50	DRLPRO	02	B	P	DRILL F/ 2550 TO 2578 - 28' @ 56 FPH W/ 8.3 PPG
15:30 - 16:00	0.50	DRLPRO	09	A	P	SURVEY @ 2578 DEV 2.01
16:00 - 23:00	7.00	DRLPRO	02	B	P	DRILL F/ 2578 TO 3072 - 494' @ 70.5 FPH W/ 8.5 PPG VIS 35
23:00 - 23:30	0.50	DRLPRO	09	A	P	SURVEY @ 2997 DEV 3.27

23:00 - 23:30 0.50 DRLPRO 09 A P SURVEY @ 2997 DEV 3.27
 23:30 - 0:00 0.50 DRLPRO 02 B P DRILL F/ 3072 TO 3124 - 52' @ 104 FPH W/ 8.5 PPG VIS 35

5/29/2008 SUPERVISOR: SID ARMSTRONG MD: 4,660

0:00 - 3:00 3.00 DRLPRO 02 B P DRILL F/ 3124 TO 3319 - 195' @ 65.0 FPH W/ 8.5 PPG VIS 35
 3:00 - 3:30 0.50 DRLPRO 09 A P SURVEY @ 2997 DEV 3.27
 3:30 - 11:00 7.50 DRLPRO 02 B P DRILL F/ 3319 TO 3843 - 524' @ 69.8 FPH W/ 8.8 PPG VIS 38
 11:00 - 11:30 0.50 DRLPRO 09 A P SURVEY @ 3472 DEV 3.64
 11:30 - 13:30 2.00 DRLPRO 02 B P DRILL F/ 3843 TO 3997 - 154' @ 77.0 FPH W/ 8.8 PPG VIS 40
 13:30 - 14:00 0.50 DRLPRO 06 A P SER RIG
 14:00 - 21:00 7.00 DRLPRO 02 B P DRILL F/ 3997 TO 4519 - 522' @ 74.5 FPH W/ 9.0 PPG VIS 40
 21:00 - 21:30 0.50 DRLPRO 09 A P SURVEY @ 4444 - DEV 3.70
 21:30 - 0:00 2.50 DRLPRO 02 B P DRILL F/ 4519 TO 4660 - 141' @ 56.4 FPH W/ 9.1 PPG VIS 41

5/30/2008 SUPERVISOR: SID ARMSTRONG MD: 4,892

0:00 - 4:00 4.00 DRLPRO 02 B P DRILL F/ 4660 TO 4892 - 232' @ 58 FPH W/ 9.1 VIS 41
 4:00 - 0:00 20.00 DRLPRO 16 B P WORK STUCK PIPE (BIT STUCK) & RAISE MUD WT TO 9.7 PPG & SPOT DEISEL PILL AROUND BIT & MOTOR & WELL STARTED FLOWING & CIRC OUT PILL & RAISE MUD WT TO 10.5 PPG & PULLED GOOSE NECK OFF SWIEVEL TO RUN WIRELINE SHOT TO BACK OFF MOTOR & GOT BACK OFF AT MOTOR & T.O.H.

5/31/2008 SUPERVISOR: SID ARMSTRONG MD: 5,125

0:00 - 14:00 14.00 DRLPRO 16 A P CONT. T.O.H & P/U FISHING TOOLS & T.I.H & TAG TOP FISH @ 4839 & CIRC BTM UP & SCREW INTO FISH & JAR FISH LOOSE & T.O.H & L/D FISHING TOOLS & FISH.
 14:00 - 20:00 6.00 DRLPRO 05 A P P/U MUDMOTOR & BIT & DRILLING JARS & T.I.H & WASH 150' TO BTM (NO FILL)
 20:00 - 0:00 4.00 DRLPRO 02 B P DRILL F/ 4892 TO 5125 - 233' @ 58.25 - W/ 10.6 PPG VIS 42

6/1/2008 SUPERVISOR: SID ARMSTRONG MD: 6,525

0:00 - 14:30 14.50 DRLPRO 02 B P DRILL F/ 5125 TO 6000 - 875' @ 60.3 FPH W/ 10.8 PPG VIS 42

Wins No.: 94969 NBU 921-23C API No.: 4304739367

0:00 - 14:30 14.50 DRLPRO 02 B P DRILL F/ 5125 TO 6000 - 875' @ 60.3 FPH W/ 10.8 PPG VIS 42
 14:30 - 15:00 0.50 DRLPRO 06 A P SER RIG
 15:00 - 0:00 9.00 DRLPRO 02 B P DRILL F/ 6000 TO 6525 - 525 @ 58.3 FPH W/ 10.8 PPG VIS 42

6/2/2008 SUPERVISOR: SID ARMSTRONG MD: 7,190

0:00 - 14:00 14.00 DRLPRO 02 B P DRILL F/ 6525 TO 6991 - 466' @ 33.2 FPH W/ 10.8 PPG
 14:00 - 14:30 0.50 DRLPRO 06 A P SER RIG
 14:30 - 0:00 9.50 DRLPRO 02 B P DRILL F/ 6991 TO 7190 - 199' @ 20.9 FPH W/ 10.8 PPG

6/3/2008 SUPERVISOR: SID ARMSTRONG MD: 7,238

0:00 - 3:00 3.00 DRLPRO 02 B P DRILL F/ 7190 TO 7238 - 48' @ 16.0 FPH W/ 10.8 PPG
 3:00 - 0:00 21.00 DRLPRO 07 B P T.O.H & C/O ROTARY TABLE

6/4/2008 SUPERVISOR: SID ARMSTRONG MD: 7,547

0:00 - 14:30 14.50 DRLPRO 07 A P C/O ROTARY TABLE & T.I.H & W/R TIGHT SPOT @ 4900 & CONT. T.I.H
 14:30 - 0:00 9.50 DRLPRO 02 B P DRILL F/ 7238 TO 7547 - 309' @ 32.5 FPH W/ 11.1 PPG VIS 43

6/5/2008 SUPERVISOR: SID ARMSTRONG MD: 8,075

0:00 - 12:30 12.50 DRLPRO 02 B P DRILL F/ 7547 TO 7824 - 277' @ 22.16 FPH W/ 11.1 PPG VIS 42
 12:30 - 13:00 0.50 DRLPRO 06 A P SER RIG
 13:00 - 0:00 11.00 DRLPRO 02 B P DRILL F/ 7824 TO 8075 - 251' @ 22.8 FPH W/ 11.4 PPG VIS 43

6/6/2008 SUPERVISOR: SID ARMSTRONG MD: 8,600

0:00 - 10:30 10.50 DRLPRO 02 B P DRILL F/ 8075 TO 8355 - 280' @ 26.6 FPH W/ 11.4 PPG VIS 45
 10:30 - 11:00 0.50 DRLPRO 06 A P RIG SER
 11:00 - 0:00 13.00 DRLPRO 02 B P DRILL F/ 8355 TO 8600 - 245' @ 18.8 - W/ 11.6 PPG VIS 45

6/7/2008 SUPERVISOR: SID ARMSTRONG MD: 8,845

0:00 - 7:30 7.50 DRLPRO 02 B P DRILL F/ 8600 TO 8714 - 114' @ 15.2 FPH W/ 11.6 PPG VIS 45
 7:30 - 18:00 10.50 DRLPRO 05 A P T.F.N.B & MUD MOTOR

7:30 - 18:00 10.50 DRLPRO 05 A P T.F.N.B & MUD MOTOR
 18:00 - 0:00 6.00 DRLPRO 02 B P DRILL F/ 8714 TO 8845 - 131 @ 21.8 FPH W/ 11.6 PPG VIS 45

6/8/2008 SUPERVISOR: SID ARMSTRONG MD: 9,363

0:00 - 11:30 11.50 DRLPRO 02 B P DRILL F/ 8845 TO 9190 - 345' - @ 30.0 FPH W/ 11.8 PPG VIS 45
 11:30 - 12:00 0.50 DRLPRO 06 A P SER RIG
 12:00 - 18:00 6.00 DRLPRO 02 B P DRILL F/ 9190 TO 9312 - 122' @ 20.3 FPH W/ 12.0 PPG VIS 45
 18:00 - 19:00 1.00 DRLPRO 04 D P LOST PARSHAL RETURNS & LOST 160 BBL MUD MIX LCM TO 6%
 19:00 - 0:00 5.00 DRLPRO 02 B P DRILL F/ 9312 TO 9363 - 51' @ 10.2 FPH W/ 12.0 PPG VIS 45

6/9/2008 SUPERVISOR: SID ARMSTRONG MD: 9,520

0:00 - 7:30 7.50 DRLPRO 02 B P DRILL F/ 9363 TO 9415 - 52' - @ 6.9 FPH W/ 12.0 PPG VIS 45
 7:30 - 18:30 11.00 DRLPRO 05 A P T.F.N.B & WASH 50' TO BTM
 18:30 - 0:00 5.50 DRLPRO 02 B P DRILL F/ 9415 TO 9520 - 105' @ 19.0 W/ 12.2 PPG VIS 45

6/10/2008 SUPERVISOR: STUART NEILSON MD: 9,830

0:00 - 12:30 12.50 DRLPRO 02 B P DRILL F/ 9520 TO 9774 254' @ 20.32' PH W/ 12.3 PPG - 45 VIS
 12:30 - 13:00 0.50 DRLPRO 06 A P SERVICE RIG
 13:00 - 17:00 4.00 DRLPRO 02 B P DRILL F/ 9774 TO 9830 TD @ 17:00 HRS 6/10/08 56' @ 14' PH W/ 12.4 PPG - 45 VIS
 17:00 - 18:30 1.50 DRLPRO 04 C P CCH F/ SHORT TRIP
 18:30 - 23:30 5.00 DRLPRO 05 E P SHORT TRIP 55 STDS TO 4700', TIH
 23:30 - 0:00 0.50 DRLPRO 04 C P CCH TO LDDS

6/11/2008 SUPERVISOR: STUART NEILSON MD: 9,830

0:00 - 1:00 1.00 DRLPRO 04 C P CCH TO LDDS, PUMP PILL, DROP TOTCO
 1:00 - 1:30 0.50 DRLPRO 05 B P LDDS

Wins No.: 94969

NBU 921-23C

API No.: 4304739367

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 7/7/2008
 OBJECTIVE: DEVELOPMENT END DATE:
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: MV Event End Status:

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

MILES 2 / 2

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/7/2008	SUPERVISOR: WILL GLEAVE MD:						
	7:00 - 17:00	10.00	COMP	31	I	P	HSM. MIRU FROM NBU 921-13E. ND WH, NU BOPS PREP & TALLY 2-3/8 L-80 8 RD TUBING. PU 3-7/8 ROCK BIT & BIT SUB. RIH W/ 255 JTS TO 7920'. SWI-SDFN
7/8/2008	SUPERVISOR: WILL GLEAVE MD:						
	7:00 - 11:00	4.00	COMP	31	I	P	HSM #2. OPEN WELL 0#. PU TBG FROM TRAILER. TIH TO 9773'. RU PUMP & LINES. CIRCULATE WELL CLEAN. TOOH. LD 21 JTS, STAND BACK 294 JTS.
	11:00 - 12:00	1.00	COMP	33	C	P	ND BOPS. NU FRAC VALVE.MIRU B&C QUICK TEST. TEST CASING TO 7400 PSI FOR 15 MIN. RDMO B&C QUICK TEST.
	12:00 - 14:00	2.00	COMP	37		P	MIRU CUTTERS WIRELINE. PU 3-1/8 EXP PERF GUNS WITH 23 gm 0.36" DIA, 4 SPF 90 DEG PHASING. SHOOT 24 HOLES @ 9732-38'. PU SHOOT 16 HOLES @ 9706-10'. PREP FOR FRAC, SWI-SDFN
7/9/2008	SUPERVISOR: WILL GLEAVE MD:						
						DWC:	

HSM. RU WEATHERFORD FRAC CREW. MIRU CUTTERS.
PRIME PMP'S & PSI TST LINES TO 8500#. (HELD). PREP TO
FRAC

NOTE: ALL STAGES SHOT W/ 3 1/8" EXP PERF GUNS LOADED
W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING. ALL CBP'S ARE 4
1/2" BAKER 8K CBP'S. ALL STAGES TREATED W/ NALCO
DVE-005 SCALE INHIB, 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN PRE
PAD & FLUSH. ALL CLEAN FLUID TREATED W/ NALCO BIOCID
.25 GPT. ALL STAGES TREATED W/ 30/50 SAND TAILED IN W/
5000# TLC SAND FOR SAND CONTROLL.

STG 1: BRK DWN PERF'S @ 3642#, EST INJ RT @ 50.4 BBL/MIN
@ 5150#. ISIP 2940 FRAC GRAD .75. TREATED STAGE 1 W/
21904 # SAND. TAILED IN W/ 5000# TLC W/ SLICK WATER.
TOTAL CLEAN FLUID 842 BBLs. ISIP 3159#. NPI 219#. FRAC
GRAD .77.

STAGE 2: PU 3-1/8 PERF GUNS. 4-1/2 CBP RIH. SET CBP @
9632'. PU SHOOT 8 HOLES FROM 9600-02'. PU SHOOT 16
HOLES FROM 9568-72'. PU SHOOT 8 HOLES FROM 9540-42'. PU
SHOOT 16 HOLES FROM 9526-30'. POOH. BREAK DOWN PERFS
@ 3806# EST INJ RATE @ 50.5BBL/MIN @ 5150#. ISIP3101#.
FRAC GRAD .77. TREATED STAGE 2 W/ 89649# SAND. TAILED
IN W/ 5000# TLC W/ SLICK WATER. TOTAL CLEAN FLUID 2450
BBLs. ISIP 3246# NPI 145#. FRAC GRAD .78.

STAGE 3: PU 3-1/8 PERF GUNS, 4-1/2 CBP. RIH. SET CBP @
9458'. PU SHOOT 40 HOLES FROM 9418-28'. POOH. BREAK
DOWN PERFS @ 3793#. EST INJ RATE OF 50.5 BBL MIN @
5470#. ISIP 2817#. FRAC GRAD .74 TREATED STAGE 3 W/
62923 # SAND. TAILED IN W/ 5000# TLC W/ SLICK WATER.
TOTAL CLEAN FLUID 1781 BBLs. ISIP 3467# NPI 650#. FRAC
GRAD .8

STAGE 4: PU 3-1/8 PERF GUNS, & 4-1/2 CBP. SET CBP @ 9328'.
PU SHOOT 8 HOLES FROM 9296-98'. PU SHOOT 8 HOLES FROM
9284-86'. PU SHOOT 24 HOLES FROM 9258-64'. POOH. BREAK
DOWN PERFS @ 3622#. EST INJ RATE OF 50.2 BBL MIN
@ 5450#. ISIP 2783#. FRAC GRAD .74. TREATED STAGE 4
WITH 76,521# SAND. TAILED IN W/ 5000# TLC W/ SLICK WATER.
TOTAL CLEAN FLUID 2211BBLs. ISIP 3175. NPI 392. FRAC
GRAD .78

STAGE 5: PU 3-1/8 PERF GUNS & 4-1/2 CBP. RIH. SET CBP @
9164'. PU SHOOT 24 HOLES FROM 9138-44'. PU SHOOT 8
HOLES FROM 9076-78'. PU SHOOT 8 HOLES FROM 9062-64'.
BREAK DOWN PERFS @ 3622#. EST INJ RATE OF 50.7 BBL/MIN
@ 5415#. ISIP 2896#. FRAC GRAD .75. TREATED STAGE 5
WITH 96993# SAND. TAILED IN W/ 5000# TLC W/ SLICK WATER.
TOTAL CLEAN FLUID 2639 BBLs. ISIP 2825. NPI-71. FRAC
GRAD .75

STAGE # 6 PU 3-1/8 PERF GUNS & 4-1/2 CBP. RIH, SET RBP
@ 8910'. PU SHOOT 24 HOLES FROM 8882-88'. PU SHOOT 8
HOLES FROM 8804-06'. PU SHOOT 8 HOLES FROM 8758-60'.
BREAK DOWN PERFS @ 6672# EST INJ RATE OF 49.3 BBL/MIN
@ 4800#. FRAC GRAD .74. TREATED STAGE 6 W/ 154,423 #
SAND. TAILED IN W/ 5000# TLC W/ SLICK WATER. TOTAL
CLEAN FLUID 4134 BBLs. ISIP 2876#. NPI 231. FRAC GRAD .76.
SWI-SDFN

7/10/2008

SUPERVISOR: WILL GLEAVE

MD:

7:00. HSM.

STAGE 7: PU 3-1/8 PERF GUNS & 4-1/2 CBP. RIH. SET CBP @ 8516'. PU SHOOT 16 HOLES FROM 8482-86'. PU SHOOT 24 HOLES FROM 8414-20'. POOH. BREAK DOWN PERFS @ 3601#. EST INJ RATE OF 50.5 BBL/MIN @ 5000#. ISIP 2279#. FRAC GRAD. .71 TREATED STAGE 7 W/ 73,179 # SAND. TAILED IN W/ 5000# TLC W/ SICK WATER. ISIP 2904#. FRAC GRAD .78. TOTAL CLEA FLUID 2038 BBLS. NPI 625#.

RIH W/ CBP. MIS-RUN, CCL QUIT WORKING. POOH. PU NEW CCL. RIH, SET CBP @ 8364'. POOH. RDMO CUTTERS WIRELINE. RDMO WEATHERFORD FRAC CREW. ND FRAC VALVE. NU BOPS. PU SN POBS & 3-7/8 ROCK BIT. TIH. RU SWIVEL. BREAK CONV CIRC.

TAG FILL @ 8360' CLEAN OUT 3' FILL, DRILL OUT 1ST CBP TO 8364'. PRESSURE INCREASE 900#.

TIH TAG FILL @ 8486'. CO 30' FILL. DRILL 2ND CBP TO 8516'. PRESSURE INCREASE 1000#.

TIH TAG FILL @ 8890' CO 20' FILL. DRILL 3RD PLUG TO 8910'. PRESSURE INCREASE 600#.

TIH TAG FILL @ 9144'. CO 20' FILL. DRILL 4TH PLUG TO 9164'. INCREASE 600#. EOT @ 9223'. LET WELL FLOW FOR 15 MIN. SWI-SDFN.

7/11/2008

SUPERVISOR: WILL GLEAVE

7:00 HSM. 2250# ON WELL. BLEED DOWN WELL. TIH. TAG FILL 9398' (30' FILL) BREAK CIRC. DO 5TH CBP @ 9328. 500# INC. TIH, TAG FILL @ 9428' (30' FILL). DO 6TH CBP @ 9458'. 600# INC. TIH TAG FILL @ 9572' (60' FILL) DO 7TH CBP @ 9632'. INC 500#. TIH TAG FILL @ 9743' (30' FILL) CO TO PBTD @ 9773' CIRC WELL CLEAN. RD SWIVEL. LD 9 JTS ON TRAILER. ND BOPS. DROP BALL. NU WH. PO BIT SUB. @ 3500#. RU FLOW BACK LINES. TURN OVER TO FLOW BACK CREW. SICIP 2200# TBG PRESSURE 100#. 48/64 CHOKE.

322 JTS ON LOC
306 JTS IN WELL
16 JTS ON TRAILER.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

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

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*
 At surface **NE/NW 817'FNL, 1945'FWL**

At top prod. interval reported below
 At total depth

14. Date Spudded **04/09/08**
 15. Date T.D. Reached **06/10/08**
 16. Date Completed D & A Ready to Prod. **07/13/08**

18. Total Depth: MD **9830'** TVD
 19. Plug Back T.D.: MD **9773'** TVD
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL-CCL-GR, COMP 2, CN, Cal

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

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2550'		680 SX			
7 7/8"	4 1/2"	11.6#		9830'		1850 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9223'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8414'	9738'	8414'-9738'	0.36	288	OPEN
B) WSMVD						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and type of Material
8414'-9738'	PMP 16,098# BBLs SLICK H2O & 575,592# 30/50 SD

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

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
07/13/08	07/23/08	24	→	80	2,252	405			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 1336#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
18/64	SI	2804#	→	80	2252	405			PRODUCING GAS WELL

28a. Production - Interval B

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

(See instructions and spaces for additional data on reverse side)

RECEIVED
AUG 11 2008

DIV. OF OIL, GAS & MINING

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

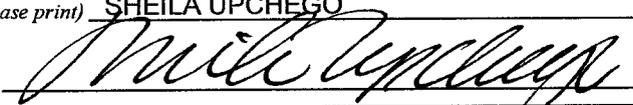
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1624'	2411'			
MAHOGANY	2411'	4952'			
WASATCH	4952'	7753'			
MESAVERDE	7753'				

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
- 5. Core Analysis
- 7. Other:

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

Name (please print) SHEILA UPCHEGO Title REGULATORY ANALYST
 Signature  Date 08/07/08

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. 1004-0137
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-0149075

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

Oil Well Gas Well Other

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

8. Well Name and No.
NEU 921-23E

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

9. API Well No.
4304739367

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

3b. Phone No. (include area code)
435.781.7024

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NW SEC. 23, T9S, R21E 817FNL, 1945FWL

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 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports 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.)

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

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 3-30-2009

Initials: KS

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

Name (Printed/Typed)

SHEILA UPCHEGO

Title REGULATORY ANALYST

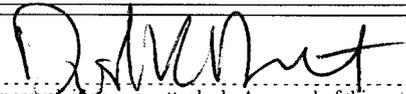
Signature



Date 03/19/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by



Title

Pet Eng.

Date

3/26/09

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

DOGm

Federal Approval of this Action Is Necessary

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 page 2)

* Cause 173-14

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MAR 23 2009

DIV. OF OIL, GAS & MINING

Name: NBU 921-23C
Location: NENW 23 T9S R21E
Uintah County, UT
Date: 3/16/09

ELEVATIONS: 4846 GL 4863 KB

TOTAL DEPTH: 9842 **PBTD:** 9773
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2526'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9818'
 Marker Joint 4970 - 4991'

TUBULAR PROPERTIES:

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

TOPS:

1624' Green River
 1919' Birds Nest
 2411' Mahogany
 4952' Wasatch
 7735' Mesaverde

CBL indicates good cement below 4300'

GENERAL:

- A minimum of **10** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 6/11/08
- **6** fracturing stages required for coverage.
- Procedure calls for 7 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9503
- Originally completed on 7/9/08

Existing Perforations:

PERFORATIONS							
Formation	Zone	Top	Btm	spf	Shots	Date	Reason
MESA VERDE		8414	8420	4	24	07/10/2008	PRODUCTION
MESA VERDE		8482	8486	4	16	07/10/2008	PRODUCTION
MESA VERDE		8758	8760	4	8	07/09/2008	PRODUCTION
MESA VERDE		8804	8806	4	8	07/09/2008	PRODUCTION
MESA VERDE		8882	8888	4	24	07/09/2008	PRODUCTION
MESA VERDE		9062	9064	4	8	07/09/2008	PRODUCTION
MESA VERDE		9076	9078	4	8	07/09/2008	PRODUCTION
MESA VERDE		9138	9144	4	24	07/09/2008	PRODUCTION
MESA VERDE		9258	9264	4	24	07/09/2008	PRODUCTION
MESA VERDE		9284	9286	4	8	07/09/2008	PRODUCTION
MESA VERDE		9296	9298	4	8	07/09/2008	PRODUCTION
MESA VERDE		9418	9428	4	40	07/09/2008	PRODUCTION
MESA VERDE		9526	9530	4	16	07/09/2008	PRODUCTION
MESA VERDE		9540	9542	4	8	07/09/2008	PRODUCTION
MESA VERDE		9568	9572	4	16	07/09/2008	PRODUCTION
MESA VERDE		9600	9602	4	8	07/09/2008	PRODUCTION
MESA VERDE		9706	9710	4	16	07/08/2008	PRODUCTION
MESA VERDE		9732	9738	4	24	07/08/2008	PRODUCTION

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9503'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 8382' (50' below proposed CBP). Otherwise P/U a mill and C/O to 8382' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 8332'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8106	8108	3	6
MESAVERDE	8160	8164	3	12
MESAVERDE	8242	8244	3	6
MESAVERDE	8274	8276	4	8
MESAVERDE	8300	8302	4	8

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8096' and trickle 250gal 15%HCL w/ scale inhibitor in flush . Note: TIGHT SPACING
7. Set 8000 psi CBP at ~8092'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7940 | 7944 | 4 | 16 |
| MESAVERDE | 8056 | 8062 | 4 | 24 |
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7930' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: TIGHT SPACING
9. Set 8000 psi CBP at ~7928'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| WASATCH | 7759 | 7762 | 3 | 9 |
| WASATCH | 7810 | 7814 | 3 | 12 |
| WASATCH | 7864 | 7866 | 4 | 8 |
| MESAVERDE | 7894 | 7898 | 3 | 12 |
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7709' trickle 250gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~7142'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 7102 | 7112 | 4 | 40 |
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7052' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
13. Set 8000 psi CBP at ~6642'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 6426 | 6430 | 4 | 16 |
| WASATCH | 6522 | 6524 | 3 | 6 |
| WASATCH | 6596 | 6598 | 3 | 6 |
| WASATCH | 6608 | 6612 | 3 | 12 |
14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6376' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
15. Set 8000 psi CBP at ~5214'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5174 | 5184 | 4 | 40 |
16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5124' and flush only with recycled water.
17. Set 8000 psi CBP at ~5124'.

18. TIH with 3 7/8" mill, pump off sub, SN and tubing.
19. Mill ALL plugs and clean out to PBTD at 9773. Land tubing at ±9503' pump off bit and bit sub. This well WILL be commingled at this time.
20. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.
21. RDMO

**For design questions, please call
Conner Staley, Denver, CO
(720)-929-6419 (Office)**

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

NOTES:
Tight spacing on stages 1,2

Fracturing Schedule
 Name NEU 921-23C
 Slickwater Frac

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.		
		Top, ft.	Bot. ft.																			
1	MESAVERDE	8106	8108	3	6	Varied	Pump-in test			Slickwater	0	0	0	0								
	MESAVERDE	8160	8164	3	12	0	ISIP and 5 min ISIP			Slickwater	0	0	0	0							53	
	MESAVERDE		no perfs			50	Slickwater Pad			Slickwater	5,625	5,625	134	134	15.0%	0.0%	0	0		17		
	MESAVERDE		no perfs			50	Slickwater Ramp	0.25	1	Slickwater	10,625	16,250	253	387	28.3%	17.2%	6,641	6,641		16		
	MESAVERDE		no perfs			50	SW Swap	0	0	Slickwater	0	16,250	0	387	0.0%	0.0%	0	0		0		
	MESAVERDE	8242	8244	3	6	50	Slickwater Ramp	1	1.5	Slickwater	10,625	26,875	253	640	28.3%	34.5%	13,281	19,922		16		
	MESAVERDE	8274	8276	4	8	50	SW Swap	0	0	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922		0		
	MESAVERDE	8300	8302	4	8	50	Slickwater Ramp	0.5	1.5	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922		0		
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	10,625	37,500	253	693	28.3%	48.3%	18,594	38,516		0		
	MESAVERDE					50	Flush (4-1/2")			Slickwater	5,285	42,785	126	1,019				38,516		53		
	MESAVERDE						ISDP and 5 min ISDP													154		
						# of Perforstage	40	20.4	<< Above pump time (min)						Flush depth	8096	gal/hr	25,000	25,677	lbs sand/hr	4	LOOK
2	MESAVERDE	7940	7944	4	16	Varied	Pump-in test			Slickwater	0	0	0	0								
	MESAVERDE	8056	8062	4	24	0	ISIP and 5 min ISIP			Slickwater	0	0	0	0								
	MESAVERDE					50	Slickwater Pad			Slickwater	938	938	22	22	15.0%	0.0%	0	0		3		
	MESAVERDE					50	Slickwater Ramp	0.25	1	Slickwater	1,771	2,708	42	64	28.3%	17.2%	1,107	1,107		3		
	MESAVERDE					50	SW Swap	0	0	Slickwater	0	2,708	0	64	0.0%	0.0%	0	1,107		0		
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	1,771	4,479	42	107	28.3%	34.5%	2,214	3,320		0		
	MESAVERDE					50	SW Swap	0	0	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320		0		
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320		0		
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	1,771	6,250	42	149	28.3%	48.3%	3,098	6,419		0		
	MESAVERDE					50	Flush (4-1/2")			Slickwater	5,177	11,427	123	272				6,419		52		
	MESAVERDE						ISDP and 5 min ISDP													60		
						# of Perforstage	40		<< Above pump time (min)			LOOK	LOOK		Flush depth	7930	gal/hr	25,000	25,677	lbs sand/hr	2	LOOK
3	WASATCH	7769	7762	3	9	Varied	Pump-in test			Slickwater	0	0	0	0								
	WASATCH	7810	7814	3	12	0	ISIP and 5 min ISIP			Slickwater	0	0	0	0								
	WASATCH	7864	7866	4	8	50	Slickwater Pad			Slickwater	5,513	5,513	131	131	15.0%	0.0%	0	0		17		
	MESAVERDE	7894	7896	3	12	50	Slickwater Ramp	0.25	1	Slickwater	10,413	15,825	248	379	28.3%	17.2%	6,508	6,508		16		
	MESAVERDE					50	SW Swap	0	0	Slickwater	0	15,825	0	379	0.0%	0.0%	0	6,508		0		
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	10,413	26,338	248	627	28.3%	34.5%	13,016	19,523		16		
	MESAVERDE					50	SW Swap	0	0	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523		0		
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523		0		
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	10,413	36,750	248	875	28.3%	48.3%	18,222	37,745		0		
	MESAVERDE					50	Flush (4-1/2")			Slickwater	5,032	41,782	120	995				37,745		46		
	MESAVERDE						ISDP and 5 min ISDP													94		
						# of Perforstage	41	17.5	<< Above pump time (min)						Flush depth	7709	gal/hr	25,000	25,677	lbs sand/hr	567	LOOK
4	WASATCH	7102	7112	4	40	Varied	Pump-in test			Slickwater	0	0	0	0								
	WASATCH					50	ISIP and 5 min ISIP			Slickwater	0	0	0	0								
	WASATCH					50	Slickwater Pad			Slickwater	3,413	3,413	81	81	15.0%	0.0%	0	0		10		
	WASATCH					50	Slickwater Ramp	0.25	1	Slickwater	6,446	9,858	153	235	28.3%	15.2%	4,029	4,029		10		
	WASATCH					50	SW Swap	0	0	Slickwater	0	9,858	0	235	0.0%	0.0%	0	4,029		0		
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	6,446	16,304	153	389	28.3%	30.3%	8,057	12,086		10		
	WASATCH					50	SW Swap	0	0	Slickwater	0	16,304	0	389	0.0%	0.0%	0	12,086		0		
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	16,304	0	389	0.0%	0.0%	0	12,086		0		
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	6,446	22,750	153	542	28.3%	54.5%	14,503	26,589		0		
	WASATCH					50	Flush (4-1/2")			Slickwater	4,604	27,354	110	651				26,589		43		
	WASATCH						ISDP and 5 min ISDP													73		
						# of Perforstage	40		<< Above pump time (min)						Flush depth	7052	gal/hr	25,000	29,219	lbs sand/hr	410	LOOK
5	WASATCH	6426	6430	4	16	Varied	Pump-in test			Slickwater	0	0	0	0								
	WASATCH	6522	6524	3	6	0	ISIP and 5 min ISIP			Slickwater	0	0	0	0								
	WASATCH	6596	6598	3	6	50	Slickwater Pad			Slickwater	1,688	1,688	40	40	15.0%	0.0%	0	0		5		
	WASATCH	6608	6612	3	12	50	Slickwater Ramp	0.25	1	Slickwater	3,188	4,876	76	116	28.3%	15.2%	1,992	1,992		5		
	WASATCH					50	SW Swap	0	0	Slickwater	0	4,876	0	116	0.0%	0.0%	0	1,992		0		
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	3,188	8,063	76	192	28.3%	30.3%	3,984	5,977		5		
	WASATCH					50	SW Swap	0	0	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977		0		
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977		0		
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	3,188	11,250	76	268	28.3%	54.5%	7,172	13,148		0		
	WASATCH					50	Flush (4-1/2")			Slickwater	4,162	15,412	99	367				13,148		34		
	WASATCH						ISDP and 5 min ISDP													48		
						# of Perforstage	48		<< Above pump time (min)			LOOK	LOOK		Flush depth	6376	gal/hr	25,000	29,219	lbs sand/hr	1,162	LOOK
6	WASATCH	5174	5184	4	40	Varied	Pump-in test			Slickwater	0	0	0	0								
	WASATCH					50	ISIP and 5 min ISIP			Slickwater	0	0	0	0								
	WASATCH					50	Slickwater Pad			Slickwater	2,550	2,550	61	61	15.0%	0.0%	0	0		8		
	WASATCH					50	Slickwater Ramp	0.25	1	Slickwater	4,817	7,367	115	175	28.3%	15.2%	3,010	3,010		7		
	WASATCH					50	SW Swap	0	0	Slickwater	0	7,367	0	175	0.0%	0.0%	0	3,010		0		
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	4,817	12,183	115	290	28.3%	30.3%	6,021	9,031		7		
	WASATCH					50	SW Swap	0	0	Slickwater	0	12,183	0	290	0.0%	0.0%	0	9,031		0		
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	12,183	0	290	0.0%	0.0%	0	9,031		0		
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	4,817	17,000	115	405	28.3%	54.5%	10,838	19,869		0		
	WASATCH					50	Flush (4-1/2")			Slickwater	3,345	20,345	80	484				19,869		0		
	WASATCH						ISDP and 5 min ISDP													22		
						# of Perforstage	40		<< Above pump time (min)			LOOK	LOOK		Flush depth	6124	gal/hr	25,000	29,219	lbs sand/hr	0	LOOK
Totals					241	8.1					Total Fluid	164,501										

Name NBU 921-23C
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8106	8108	3	6	8097	to	8118
	MESAVERDE	8160	8164	3	12	8135	to	8169
	MESAVERDE		no perms			8187.5	to	8202.5
	MESAVERDE		no perms			8224.5	to	8229.5
	MESAVERDE		no perms			8232	to	8235.5
	MESAVERDE	8242	8244	3	6	8239.5	to	8248
	MESAVERDE	8274	8276	4	8	8271.5	to	8284
	MESAVERDE	8300	8302	4	8	8290	to	8320.5
	# of Perfs/stage				40	CBP DEPTH	8,092	
2	MESAVERDE	7940	7944	4	16	7931	to	7945
	MESAVERDE	8056	8062	4	24	8053	to	8062
		# of Perfs/stage			40	CBP DEPTH	7,928	
3	WASATCH	7759	7762	3	9	7740	to	7776
	WASATCH	7810	7814	3	12	7783	to	7833.5
	WASATCH	7864	7866	4	8	7853	to	7919.5
	MESAVERDE	7894	7898	3	12	7853	to	7919.5
		# of Perfs/stage			41	CBP DEPTH	7,142	
4	WASATCH	7102	7112	4	40	7089	to	7120
		# of Perfs/stage			40	CBP DEPTH	6,642	
5	WASATCH	6426	6430	4	16	6422	to	6432
	WASATCH	6522	6524	3	6	6518	to	6525
	WASATCH	6596	6598	3	6	6594	to	6600
	WASATCH	6608	6612	3	12	6608	to	6612.5
		# of Perfs/stage			40	CBP DEPTH	5,214	
6	WASATCH	5174	5184	4	40	5164.5	to	5207.5
		# of Perfs/stage			40	CBP DEPTH	5,124	

Fracturing Schedules
 Name NBU 921-23C
 Slickwater Frac

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial PPG	Final PPG	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
		Top, ft.	Bot., ft.																		
1	MESAVERDE	8106	8108	3	6	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	8160	8164	3	12	0	ISIP and 5 min ISIP			Slickwater											53
	MESAVERDE		no perfs			50	Slickwater Pad	0.25	1	Slickwater	5,625	5,625	134	134	15.0%	0.0%	0	0			17
	MESAVERDE		no perfs			50	Slickwater Ramp	0	0	Slickwater	10,625	16,250	253	387	28.3%	17.2%	6,641	6,641			16
	MESAVERDE		no perfs			50	SW Sweep	0	0	Slickwater	0	16,250	0	387	0.0%	0.0%	0	6,641			0
	MESAVERDE	8242	8244	3	6	50	Slickwater Ramp	1	1.5	Slickwater	10,625	26,875	640	640	28.3%	34.5%	13,281	19,922			16
	MESAVERDE	8274	8276	4	8	50	SW Sweep	0	0	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922			0
	MESAVERDE		no perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922			0
	MESAVERDE	8300	8302	4	8	50	Slickwater Ramp	1.5	2	Slickwater	10,625	37,500	253	893	28.3%	48.3%	18,594	38,516			0
	MESAVERDE		no perfs			50	Flush (4-1/2")			Slickwater	5,285	42,785	126	1,019				38,516			53
	MESAVERDE		no perfs			50	ISDP and 5 min ISDP					42,785									154
		# of Perfs/stage			40												gal/ft	25,000	25,677	lbs sand/ft	4
						20.4	<< Above pump time (min)														LOOK
2	MESAVERDE	7840	7844	4	16	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	8056	8062	4	24	0	ISIP and 5 min ISIP			Slickwater											
	MESAVERDE		no perfs			50	Slickwater Pad	0.25	1	Slickwater	938	938	22	22	15.0%	0.0%	0	0			3
	MESAVERDE		no perfs			50	Slickwater Ramp	0	0	Slickwater	1,771	2,708	42	64	28.3%	17.2%	1,107	1,107			3
	MESAVERDE		no perfs			50	SW Sweep	0	0	Slickwater	0	2,708	0	64	0.0%	0.0%	0	1,107			0
	MESAVERDE		no perfs			50	Slickwater Ramp	1	1.5	Slickwater	1,771	4,479	42	107	28.3%	34.5%	2,214	3,320			3
	MESAVERDE		no perfs			50	SW Sweep	0	0	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320			0
	MESAVERDE		no perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320			0
	MESAVERDE		no perfs			50	Slickwater Ramp	1.5	2	Slickwater	1,771	6,250	42	149	28.3%	48.3%	3,099	6,419			0
	MESAVERDE		no perfs			50	Flush (4-1/2")			Slickwater	5,777	11,427	123	272				6,419			52
	MESAVERDE		no perfs			50	ISDP and 5 min ISDP					11,427									60
		# of Perfs/stage			40						LOOK		LOOK				gal/ft	25,000	25,677	lbs sand/ft	2
						3.0	<< Above pump time (min)														LOOK
3	WASATCH	7759	7762	3	9	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	7810	7814	3	12	0	ISIP and 5 min ISIP			Slickwater											
	MESAVERDE	7864	7866	4	8	50	Slickwater Pad	0.25	1	Slickwater	5,513	5,513	131	131	15.0%	0.0%	0	0			17
	MESAVERDE	7894	7898	3	12	50	Slickwater Ramp	0	0	Slickwater	10,413	15,925	248	379	28.3%	17.2%	6,508	6,508			16
	MESAVERDE		no perfs			50	SW Sweep	0	0	Slickwater	0	15,925	0	379	0.0%	0.0%	0	6,508			0
	MESAVERDE		no perfs			50	Slickwater Ramp	1	1.5	Slickwater	10,413	26,338	248	627	28.3%	34.5%	13,016	19,523			16
	MESAVERDE		no perfs			50	SW Sweep	0	0	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523			0
	MESAVERDE		no perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523			0
	MESAVERDE		no perfs			50	Slickwater Ramp	1.5	2	Slickwater	10,413	36,750	248	875	28.3%	48.3%	18,222	37,745			0
	MESAVERDE		no perfs			50	Flush (4-1/2")			Slickwater	5,032	41,782	120	995				37,745			46
	MESAVERDE		no perfs			50	ISDP and 5 min ISDP					41,782									94
		# of Perfs/stage			41												gal/ft	25,000	25,677	lbs sand/ft	567
						17.5	<< Above pump time (min)														LOOK
4	WASATCH	7102	7112	4	40	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH		no perfs			0	ISIP and 5 min ISIP			Slickwater											
	WASATCH		no perfs			50	Slickwater Pad	0.25	1	Slickwater	3,413	3,413	81	81	15.0%	0.0%	0	0			10
	WASATCH		no perfs			50	Slickwater Ramp	0	0	Slickwater	6,446	9,858	153	235	28.3%	15.2%	4,029	4,029			10
	WASATCH		no perfs			50	SW Sweep	0	0	Slickwater	0	9,858	0	235	0.0%	0.0%	0	4,029			0
	WASATCH		no perfs			50	Slickwater Ramp	1	1.5	Slickwater	6,446	16,304	153	388	28.3%	30.3%	8,057	12,086			10
	WASATCH		no perfs			50	SW Sweep	0	0	Slickwater	0	16,304	0	388	0.0%	0.0%	0	12,086			0
	WASATCH		no perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	16,304	0	388	0.0%	0.0%	0	12,086			0
	WASATCH		no perfs			50	Slickwater Ramp	1.5	3	Slickwater	6,446	22,750	153	542	28.3%	54.5%	14,503	26,589			0
	WASATCH		no perfs			50	Flush (4-1/2")			Slickwater	4,604	27,354	110	651				26,589			43
	WASATCH		no perfs			50	ISDP and 5 min ISDP					27,354									73
		# of Perfs/stage			40												gal/ft	25,000	29,219	lbs sand/ft	410
						10.8	<< Above pump time (min)														LOOK
5	WASATCH	6426	6430	4	16	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	6522	6524	3	6	0	ISIP and 5 min ISIP			Slickwater											
	WASATCH	6596	6598	3	6	50	Slickwater Pad	0.25	1	Slickwater	1,688	1,688	40	40	15.0%	0.0%	0	0			5
	WASATCH	6608	6612	3	12	50	Slickwater Ramp	0	0	Slickwater	3,188	4,875	76	116	28.3%	15.2%	1,992	1,992			5
	WASATCH		no perfs			50	SW Sweep	0	0	Slickwater	0	4,875	0	116	0.0%	0.0%	0	1,992			0
	WASATCH		no perfs			50	Slickwater Ramp	1	1.5	Slickwater	3,188	8,063	76	192	28.3%	30.3%	3,984	5,977			5
	WASATCH		no perfs			50	SW Sweep	0	0	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977			0
	WASATCH		no perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977			0
	WASATCH		no perfs			50	Slickwater Ramp	1.5	3	Slickwater	3,188	11,250	76	268	28.3%	54.5%	7,172	13,148			0
	WASATCH		no perfs			50	Flush (4-1/2")			Slickwater	4,162	15,412	99	367				13,148			34
	WASATCH		no perfs			50	ISDP and 5 min ISDP					15,412									48
		# of Perfs/stage			40						LOOK		LOOK				gal/ft	25,000	29,219	lbs sand/ft	1,162
						5.4	<< Above pump time (min)														LOOK
6	WASATCH	5174	5184	4	40	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH		no perfs			0	ISIP and 5 min ISIP			Slickwater											
	WASATCH		no perfs			50	Slickwater Pad	0.25	1	Slickwater	2,550	2,550	61	61	15.0%	0.0%	0	0			8
	WASATCH		no perfs			50	Slickwater Ramp	0	0	Slickwater	4,817	7,367	115	175	28.3%	15.2%	3,010	3,010			7
	WASATCH		no perfs			50	SW Sweep	0	0	Slickwater	0	7,367	0	175	0.0%	0.0%	0	3,010			0
	WASATCH		no perfs			50	Slickwater Ramp	1	1.5	Slickwater	4,817	12,183	115	290	28.3%	30.3%	6,021	9,031			7
	WASATCH		no perfs			50	SW Sweep	0	0	Slickwater	0	12,183									

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-0149075

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

Oil Well Gas Well Other

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

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

8. Well Name and No.
NBU 921-23C

9. API Well No.
4304739367

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

3b. Phone No. (include area code)
435.781.7024

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/NW SEC. 23, T9S, R21E 817'FNL, 1945'FWL

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 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports 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.)

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

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 4.28.2009

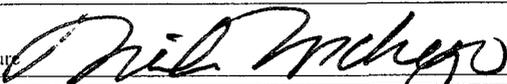
Initials: KS

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

Name (Printed/Typed)
SHEILA UPCHEGO

Title REGULATORY ANALYST

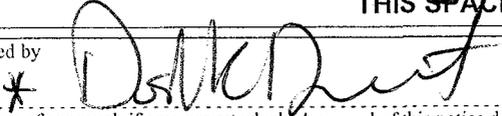
Signature



Date 03/19/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by



Title Pet Eng.

Date 4/23/09

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 DOGm

Federal Approval Of This
Action Is Necessary

RECEIVED

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.

APR 20 2009

(Instructions on page 2)

*Cause 173-14

DIV. OF OIL, GAS & MINING

Name: NBU 921-23C
Location: NENW 23 T9S R21E
Uintah County, UT
Date: 3/16/09

ELEVATIONS: 4846 GL 4863 KB

TOTAL DEPTH: 9842 **PBTD:** 9773
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2526'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9818'
 Marker Joint 4970 - 4991'

TUBULAR PROPERTIES:

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

TOPS:

1624' Green River
 1919' Birds Nest
 2411' Mahogany
 4952' Wasatch
 7735' Mesaverde

CBL indicates good cement below 4300'

GENERAL:

- A minimum of **10** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 6/11/08
- 6 fracturing stages required for coverage.
- Procedure calls for 7 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9503
- Originally completed on 7/9/08

Existing Perforations:

PERFORATIONS							
Formation	Zone	Top	Btm	spf	Shots	Date	Reason
MESA VERDE		8414	8420	4	24	07/10/2008	PRODUCTION
MESA VERDE		8482	8486	4	16	07/10/2008	PRODUCTION
MESA VERDE		8758	8760	4	8	07/09/2008	PRODUCTION
MESA VERDE		8804	8806	4	8	07/09/2008	PRODUCTION
MESA VERDE		8882	8888	4	24	07/09/2008	PRODUCTION
MESA VERDE		9062	9064	4	8	07/09/2008	PRODUCTION
MESA VERDE		9076	9078	4	8	07/09/2008	PRODUCTION
MESA VERDE		9138	9144	4	24	07/09/2008	PRODUCTION
MESA VERDE		9258	9264	4	24	07/09/2008	PRODUCTION
MESA VERDE		9284	9286	4	8	07/09/2008	PRODUCTION
MESA VERDE		9296	9298	4	8	07/09/2008	PRODUCTION
MESA VERDE		9418	9428	4	40	07/09/2008	PRODUCTION
MESA VERDE		9526	9530	4	16	07/09/2008	PRODUCTION
MESA VERDE		9540	9542	4	8	07/09/2008	PRODUCTION
MESA VERDE		9568	9572	4	16	07/09/2008	PRODUCTION
MESA VERDE		9600	9602	4	8	07/09/2008	PRODUCTION
MESA VERDE		9706	9710	4	16	07/08/2008	PRODUCTION
MESA VERDE		9732	9738	4	24	07/08/2008	PRODUCTION

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9503'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 8382' (50' below proposed CBP). Otherwise P/U a mill and C/O to 8382' (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 8332'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8106	8108	3	6
MESAVERDE	8160	8164	3	12
MESAVERDE	8242	8244	3	6
MESAVERDE	8274	8276	4	8
MESAVERDE	8300	8302	4	8

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8096' and trickle 250gal 15%HCL w/ scale inhibitor in flush . Note: TIGHT SPACING

7. Set 8000 psi CBP at ~8092'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7940	7944	4	16
MESAVERDE	8056	8062	4	24

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7930' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: TIGHT SPACING

9. Set 8000 psi CBP at ~7928'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7759	7762	3	9
WASATCH	7810	7814	3	12
WASATCH	7864	7866	4	8
MESAVERDE	7894	7898	3	12

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7709' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~7142'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7102	7112	4	40

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7052' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~6642'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6426	6430	4	16
WASATCH	6522	6524	3	6
WASATCH	6596	6598	3	6
WASATCH	6608	6612	3	12

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6376' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~5214'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5174	5184	4	40

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5124' and flush only with recycled water.

17. Set 8000 psi CBP at ~5124'.

18. TIH with 3 7/8" mill, pump off sub, SN and tubing.
19. Mill ALL plugs and clean out to PBTD at 9773. Land tubing at ±9503' pump off bit and bit sub. This well WILL be commingled at this time.
20. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.
21. RDMO

**For design questions, please call
Conner Staley, Denver, CO
(720)-929-6419 (Office)**

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

NOTES:
Tight spacing on stages 1,2

Fracturing Schedules
 Name: NBU 921-23C
 Slickwater Frac

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial PPG	Final PPG	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.		
		Top, ft.	Bot. ft.																			
1	MESAVERDE	8106	8108	3	6	Varied	Pump-in test			Slickwater		0	0	0							53	
	MESAVERDE	8160	8164	3	12	0	ISIP and 5 min ISIP			Slickwater	5,625	5,625	134	134	15.0%	0.0%	0	0			17	
	MESAVERDE		no perfs		50		Slickwater Pad			Slickwater	10,625	16,250	253	387	26.3%	17.2%	6,641	6,641			16	
	MESAVERDE		no perfs		50	0.25	Slickwater Ramp		1	Slickwater	0	16,250	0	387	0.0%	0.0%	0	6,641			0	
	MESAVERDE		no perfs		50	0	SW Sweep		0	Slickwater	10,625	26,875	253	640	26.3%	34.5%	13,281	19,922			16	
	MESAVERDE	8242	8244	3	6	50	Slickwater Ramp		1	1.5	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922			0
	MESAVERDE	8274	8276	4	8	50	SW Sweep		0	0	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922			0
	MESAVERDE	8300	8302	4	8	50	Slickwater Ramp		0.5	1.5	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922			0
	MESAVERDE				50	1.5	Flush (4-1/2")		2	Slickwater	10,625	37,500	253	935	28.3%	48.3%	18,594	38,516			0	
	MESAVERDE				50		ISDP and 5 min ISDP				5,285	42,785	126	1,019				36,516			53	
																					154	
					40	20.4	<< Above pump time (min)										gal/ft	25,000	25,677	lbs sand/ft	4	LOOK
2	MESAVERDE	7940	7944	4	16	Varied	Pump-in test			Slickwater		0	0	0								
	MESAVERDE	8056	8062	4	24	0	ISIP and 5 min ISIP			Slickwater	938	938	22	22	15.0%	0.0%	0	0			3	
	MESAVERDE				50		Slickwater Pad			Slickwater	1,771	2,709	42	64	28.3%	17.2%	1,107	1,107			3	
	MESAVERDE				50	0.25	Slickwater Ramp		1	Slickwater	0	2,709	0	64	0.0%	0.0%	0	1,107			0	
	MESAVERDE				50	0	SW Sweep		0	Slickwater	1,771	4,479	42	107	28.3%	34.5%	2,214	3,320			3	
	MESAVERDE				50	1	Slickwater Ramp		1	1.5	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320			0
	MESAVERDE				50	0	SW Sweep		0	0	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320			0
	MESAVERDE				50	0.5	Slickwater Ramp		1.5	1.5	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320			0
	MESAVERDE				50	1.5	Flush (4-1/2")		2	Slickwater	1,771	6,250	42	149	28.3%	49.3%	3,099	6,419			0	
	MESAVERDE				50		ISDP and 5 min ISDP				5,177	11,427	123	272				6,419			52	
																					60	
					40		<< Above pump time (min)				LOOK		LOOK				gal/ft	25,000	25,677	lbs sand/ft	2	LOOK
3	WASATCH	7789	7782	3	9	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH	7810	7814	3	12	0	ISIP and 5 min ISIP			Slickwater	5,513	5,513	131	131	15.0%	0.0%	0	0			17	
	WASATCH	7864	7866	4	8	50	Slickwater Pad			Slickwater	10,413	15,925	248	379	26.3%	17.2%	6,508	6,508			16	
	MESAVERDE	7894	7898	3	12	0.25	Slickwater Ramp		1	Slickwater	0	15,925	0	379	0.0%	0.0%	0	6,508			0	
	MESAVERDE				50	0	SW Sweep		0	Slickwater	10,413	26,338	248	627	28.3%	34.5%	13,016	19,523			16	
	MESAVERDE				50	1	Slickwater Ramp		1	1.5	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523			0
	MESAVERDE				50	0	SW Sweep		0	0	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523			0
	MESAVERDE				50	0.5	Slickwater Ramp		1.5	1.5	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523			0
	MESAVERDE				50	1.5	Flush (4-1/2")		2	Slickwater	10,413	36,750	248	875	28.3%	49.3%	18,222	37,745			0	
	MESAVERDE				50		ISDP and 5 min ISDP				5,032	41,782	120	995				37,745			46	
																					94	
					41		<< Above pump time (min)										gal/ft	25,000	25,677	lbs sand/ft	567	
4	WASATCH	7102	7112	4	40	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH				50	0	ISIP and 5 min ISIP			Slickwater	3,413	3,413	81	81	15.0%	0.0%	0	0			10	
	WASATCH				50	0.25	Slickwater Pad			Slickwater	6,446	9,853	153	235	28.3%	15.2%	4,029	4,029			10	
	WASATCH				50	0	SW Sweep		0	Slickwater	0	9,853	0	235	0.0%	0.0%	0	4,029			0	
	WASATCH				50	1	Slickwater Ramp		1	1.5	Slickwater	6,446	16,394	153	388	28.3%	30.3%	8,057	12,086			10
	WASATCH				50	0	SW Sweep		0	0	Slickwater	0	16,394	0	388	0.0%	0.0%	0	12,086			0
	WASATCH				50	0.5	Slickwater Ramp		1.5	1.5	Slickwater	0	16,394	0	388	0.0%	0.0%	0	12,086			0
	WASATCH				50	1.5	Flush (4-1/2")		3	Slickwater	6,446	22,750	153	542	28.3%	54.5%	14,503	25,589			0	
	WASATCH				50		ISDP and 5 min ISDP				4,604	27,354	110	651				25,589			43	
																					73	
					40		<< Above pump time (min)										gal/ft	25,000	29,219	lbs sand/ft	410	
5	WASATCH	6426	6430	4	16	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH	6522	6524	3	6	0	ISIP and 5 min ISIP			Slickwater	1,688	1,688	40	40	15.0%	0.0%	0	0			5	
	WASATCH	6596	6598	3	16	0.25	Slickwater Pad			Slickwater	3,188	4,875	76	116	28.3%	15.2%	1,992	1,992			5	
	WASATCH	6608	6612	3	12	0	SW Sweep		0	Slickwater	0	4,875	0	116	0.0%	0.0%	0	1,992			0	
	WASATCH				50	1	Slickwater Ramp		1	1.5	Slickwater	3,188	8,063	76	192	28.3%	30.3%	3,984	5,977			5
	WASATCH				50	0	SW Sweep		0	0	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977			0
	WASATCH				50	0.5	Slickwater Ramp		1.5	1.5	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977			0
	WASATCH				50	1.5	Flush (4-1/2")		3	Slickwater	3,188	11,250	76	268	28.3%	54.5%	7,172	13,148			0	
	WASATCH				50		ISDP and 5 min ISDP				4,162	15,412	99	367				13,148			34	
																					48	
					40		<< Above pump time (min)				LOOK		LOOK				gal/ft	25,000	29,219	lbs sand/ft	1,162	
6	WASATCH	5174	5184	4	40	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH				50	0	ISIP and 5 min ISIP			Slickwater	2,550	2,550	61	61	15.0%	0.0%	0	0			8	
	WASATCH				50	0.25	Slickwater Pad			Slickwater	4,817	7,367	115	175	26.3%	15.2%	3,010	3,010			7	
	WASATCH				50	0	SW Sweep		0	Slickwater	0	7,367	0	175	0.0%	0.0%	0	3,010			0	
	WASATCH				50	1	Slickwater Ramp		1	1.5	Slickwater	4,817	12,183	115	290	28.3%	30.3%	6,021	9,031			7
	WASATCH				50	0	SW Sweep		0	0	Slickwater	0	12,183	0	290	0.0%	0.0%	0	9,031			0
	WASATCH				50	0.5	Slickwater Ramp		1.5	1.5	Slickwater	0	12,183	0	290	0.0%	0.0%	0	9,031			0
	WASATCH				50	1.5	Flush (4-1/2")		3	Slickwater	4,817	17,000	115	405	26.3%	54.5%	16,838	19,869			0	
	WASATCH			</																		

Name NEU 921-23C
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8108	8108	3	6	8097	to	8118
	MESAVERDE	8160	8164	3	12	8135	to	8169
	MESAVERDE		no perms			8187.5	to	8202.5
	MESAVERDE		no perms			8224.5	to	8229.5
	MESAVERDE		no perms			8232	to	8235.5
	MESAVERDE	8242	8244	3	6	8239.5	to	8248
	MESAVERDE	8274	8276	4	8	8271.5	to	8284
	MESAVERDE	8300	8302	4	8	8290	to	8320.5
	# of Perfs/stage				40	CBP DEPTH	8,092	
2	MESAVERDE	7940	7944	4	16	7931	to	7945
	MESAVERDE	8056	8062	4	24	8053	to	8062
		# of Perfs/stage			40	CBP DEPTH	7,928	
3	WASATCH	7758	7762	3	9	7740	to	7776
	WASATCH	7810	7814	3	12	7783	to	7833.5
	WASATCH	7864	7866	4	8	7853	to	7919.5
	MESAVERDE	7894	7898	3	12	7853	to	7919.5
		# of Perfs/stage			41	CBP DEPTH	7,142	
4	WASATCH	7102	7112	4	40	7089	to	7120
		# of Perfs/stage			40	CBP DEPTH	6,642	
5	WASATCH	6426	6430	4	16	6422	to	6432
	WASATCH	6522	6524	3	6	6518	to	6525
	WASATCH	6596	6598	3	6	6594	to	6600
	WASATCH	6608	6612	3	12	6608	to	6612.5
		# of Perfs/stage			40	CBP DEPTH	5,214	
6	WASATCH	5174	5184	4	40	5164.5	to	5207.5
		# of Perfs/stage			40	CBP DEPTH	5,124	

Fracturing Schedules
 Name NBU 621-23C
 Slickwater Frac

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.		
		Top, ft.	Bot., ft.																			
1	MESAVERDE	8106	8108	3	6	Varied	Pump-in test			Slickwater		0	0	0								
	MESAVERDE	8160	8164	3	12	0	ISIP and 5 min ISIP														53	
	MESAVERDE		no perfs			50	Slickwater Pad			Slickwater	5,625	5,625	134	134	15.0%	0.0%	0	0			17	
	MESAVERDE		no perfs			50	Slickwater Ramp	0.25	1	Slickwater	16,250	16,250	253	387	28.3%	17.2%	6,641	6,641			16	
	MESAVERDE		no perfs			50	SW Sweep	0	0	Slickwater	16,250	0	0	387	0.0%	0.0%	0	0			0	
	MESAVERDE	8242	8244	3	6	50	Slickwater Ramp	1	1.5	Slickwater	10,625	26,875	253	640	28.3%	34.5%	13,281	19,922			16	
	MESAVERDE	8274	8276	4	8	50	SW Sweep	0	0	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922			0	
	MESAVERDE	8300	8302	4	8	50	Slickwater Ramp	0.5	1.5	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922			0	
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	10,625	37,500	253	893	28.3%	48.3%	18,594	38,516			0	
	MESAVERDE					50	Flush (4-1/2")			Slickwater	5,285	42,785	126	1,019				38,516			53	
	MESAVERDE						ISDP and 5 min ISDP														154	
						# of Perfs/stage	40							Flush depth	8096		gal/ft	25,000	25,677	lbs sand/ft	4	LOOK
2	MESAVERDE	7940	7944	4	16	Varied	Pump-in test			Slickwater		0	0	0								
	MESAVERDE	8056	8062	4	24	0	ISIP and 5 min ISIP															
	MESAVERDE					50	Slickwater Pad			Slickwater	938	938	22	22	15.0%	0.0%	0	0			3	
	MESAVERDE					50	Slickwater Ramp	0.25	1	Slickwater	1,771	2,708	42	64	28.3%	17.2%	1,107	1,107			3	
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	2,708	0	64	0.0%	0.0%	0	1,107			0	
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	1,771	4,479	42	107	28.3%	34.5%	2,214	3,320			3	
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320			0	
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	4,479	0	107	0.0%	0.0%	0	3,320			0	
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	1,771	6,250	42	149	28.3%	48.3%	3,099	6,419			0	
	MESAVERDE					50	Flush (4-1/2")			Slickwater	5,177	11,427	123	272				6,419			52	
	MESAVERDE						ISDP and 5 min ISDP														60	
						# of Perfs/stage	40				LOOK		LOOK	Flush depth	7930		gal/ft	25,000	25,677	lbs sand/ft	2	LOOK
3	WASATCH	7759	7762	3	9	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH	7810	7814	3	12	0	ISIP and 5 min ISIP															
	WASATCH	7864	7866	4	8	50	Slickwater Pad			Slickwater	5,513	5,513	131	131	15.0%	0.0%	0	0			17	
	MESAVERDE	7864	7898	3	12	50	Slickwater Ramp	0.25	1	Slickwater	10,413	15,925	248	379	28.3%	17.2%	6,508	6,508			16	
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	15,925	0	379	0.0%	0.0%	0	6,508			0	
	MESAVERDE					50	Slickwater Ramp	1	1.5	Slickwater	10,413	26,338	248	627	28.3%	34.5%	13,016	19,523			16	
	MESAVERDE					50	SW Sweep	0	0	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523			0	
	MESAVERDE					50	Slickwater Ramp	0.5	1.5	Slickwater	0	26,338	0	627	0.0%	0.0%	0	19,523			0	
	MESAVERDE					50	Slickwater Ramp	1.5	2	Slickwater	10,413	36,750	248	875	28.3%	48.3%	18,222	37,745			0	
	MESAVERDE					50	Flush (4-1/2")			Slickwater	5,032	41,782	120	995				37,745			46	
	MESAVERDE						ISDP and 5 min ISDP														94	
						# of Perfs/stage	41							Flush depth	7709		gal/ft	25,000	25,677	lbs sand/ft	567	
4	WASATCH	7102	7112	4	40	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH					0	ISIP and 5 min ISIP															
	WASATCH					50	Slickwater Pad			Slickwater	3,413	3,413	81	81	15.0%	0.0%	0	0			10	
	WASATCH					50	Slickwater Ramp	0.25	1	Slickwater	6,446	9,858	153	235	28.3%	15.2%	4,029	4,029			10	
	WASATCH					50	SW Sweep	0	0	Slickwater	0	9,858	0	235	0.0%	0.0%	0	4,029			0	
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	6,446	16,304	153	388	28.3%	30.3%	8,057	12,086			10	
	WASATCH					50	SW Sweep	0	0	Slickwater	0	16,304	0	388	0.0%	0.0%	0	12,086			0	
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	16,304	0	388	0.0%	0.0%	0	12,086			0	
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	6,446	22,750	153	542	28.3%	54.5%	14,503	26,589			0	
	WASATCH					50	Flush (4-1/2")			Slickwater	4,604	27,354	110	651				26,589			43	
	WASATCH						ISDP and 5 min ISDP														73	
						# of Perfs/stage	40							Flush depth	7052		gal/ft	25,000	29,219	lbs sand/ft	410	
5	WASATCH	6428	6430	4	16	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH	6522	6524	3	6	0	ISIP and 5 min ISIP															
	WASATCH	6596	6598	3	6	50	Slickwater Pad			Slickwater	1,698	1,698	40	40	15.0%	0.0%	0	0			5	
	WASATCH	6608	6612	3	12	50	Slickwater Ramp	0.25	1	Slickwater	3,188	4,875	76	116	28.3%	15.2%	1,992	1,992			5	
	WASATCH					50	SW Sweep	0	0	Slickwater	0	4,875	0	116	0.0%	0.0%	0	1,992			0	
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	3,188	8,063	76	192	28.3%	30.3%	3,994	5,977			5	
	WASATCH					50	SW Sweep	0	0	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977			0	
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	8,063	0	192	0.0%	0.0%	0	5,977			0	
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	3,188	11,250	76	266	28.3%	54.5%	7,172	13,148			0	
	WASATCH					50	Flush (4-1/2")			Slickwater	4,162	15,412	99	367				13,148			34	
	WASATCH						ISDP and 5 min ISDP														48	
						# of Perfs/stage	40				LOOK		LOOK	Flush depth	6376		gal/ft	25,000	29,219	lbs sand/ft	1,162	
6	WASATCH	5174	5184	4	40	Varied	Pump-in test			Slickwater		0	0	0								
	WASATCH					0	ISIP and 5 min ISIP															
	WASATCH					50	Slickwater Pad			Slickwater	2,550	2,550	61	61	15.0%	0.0%	0	0			8	
	WASATCH					50	Slickwater Ramp	0.25	1	Slickwater	4,817	7,367	115	175	28.3%	15.2%	3,010	3,010			7	
	WASATCH					50	SW Sweep	0	0	Slickwater	0	7,367	0	175	0.0%	0.0%	0	3,010			0	
	WASATCH					50	Slickwater Ramp	1	1.5	Slickwater	4,817	12,183	115	290	28.3%	30.3%	6,021	9,031			7	
	WASATCH					50	SW Sweep	0	0	Slickwater	0	12,183	0	290	0.0%	0.0%	0	9,031			0	
	WASATCH					50	Slickwater Ramp	0.5	1.5	Slickwater	0	12,183	0	290	0.0%	0.0%	0	9,031			0	
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	4,817	17,000	115	405	28.3%	54.5%	10,838	19,869			0	
	WASATCH					50	Flush (4-1/2")			Slickwater	3,345	20,345	80	484				19,869			0	
	WASATCH						ISDP and 5 min ISDP														22	
						# of Perfs/stage	40				LOOK		LOOK	Flush depth	5124		gal/ft	25,000	29,219			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0149075
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-23C
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047393670000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 1945 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 23 Township: 09.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input 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: 7/26/2009	<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 checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE NEWLY WASATCH AND MESAVERDE FORMATIONS, AND HAS COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATION. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION ON PRODUCTION ON 07/26/2009 AT 10:30 AM. PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 11, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/11/2009	

ROCKIES

Operation Summary Report

Well: NBU 921-23C	Spud Conductor: 4/9/2008	Spud Date: 4/15/2008
Project: UTAH	Site: UINTAH	Rig Name No: LEED 698/698
Event: RECOMPLETION	Start Date: 7/20/2009	End Date: 7/23/2009
Active Datum: RKB @4,863.00ft (above Mean Sea Level)	UWI: NBU 921-23C	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/20/2009	12:00 - 17:30	5.50	COMP	30	A	P		<p>DAY 1 - JSA & SM. NO H2S. ROAD RIG FORM B.C. 1122-3M TO NBU 921-23C. MIRU SERVICE UNIT. SPOT EQUIP. CP = 648 PSI, TP = 382 PSI. BLOW DWN WELL. PMP 10 BBLS DWN TBG & 15 BBLS DWN CSG TO CONTROL WELL. NDWH, NU BOP. RU FLOOR & TBG EQUIP. LD TBG HANGER. (HEAVY SCALE IN HANGER - BARIUM). POOH & LD 72 JTS TBG (2268') ON FLOAT. (HEAVY SCALE ON INSIDE OF TBG - BARIUM - OUT SIDE CLEAN). EOT @ 7230'.</p> <p>17:30 - TURN WELL TO SALES ON CSG - SDFN</p>
7/21/2009	6:30 - 6:45	0.25	COMP	48		P		<p>DAY 2 - JSA & SM. NO H2S. WHP = 75 PSI. ON SALES.</p>
	6:45 - 14:00	7.25	COMP					<p>WHP = 75 PSI. ON SALES. EOT @ 7230'. PMP 15 BBLS DWN TBG & 25 BBLS DWN CSG TO CONTROL WELL. CONT. TO POOH W/TBG & STD BK IN DRK. (TBG CLEAN OF SCALE). LD XN NIPPLE & NC. RD FLOOR & TBG EQUIP. ND BOP, NU FRAC VALVES.</p> <p>MIRU CUTTERS WIRELINE. RIH W/CCL & 3.625 GUAGE RING TO 8386'. (CSG CLEAR OF SCALE). POOH & LD GUAGE RING. RIH W/HALCO 10K CBP & SET @ 8332'. POOH W/TOOLS. LOAD CSG W/TMAC WTR & PRESSURE UP TO 3000 PSI W/ RIG PMP.</p> <p>MIRU B & C QUICK TEST. PT CSG & FRAC VALVES TO 6200 PSI. (GOOD TEST). BLEED OFF PRESSURE. RDMO B & C QUICK TEST.</p> <p>PU 3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 & 120 DEG PHSG. RIH & PERF THE M.V. FROM 8300' - 02', 4 SPF, 8274' - 76', 4 SPF, 8242' - 44', 3 SPF, 8160' - 64', 3 SPF, 8106' - 08', 3 SPF, 40 HOLES. POOH & LD TOOLS.</p>
7/22/2009	6:30 - 6:58	0.47	COMP	48		P		<p>14:00 - SWI - SDFD. PREP WELL TO FRAC IN AM. DAY 3 - MIRU SUPERIOR WELL SERVICE. JSA & SM W/SUPERIOR. WHP = 1065 PSI. PT SURFACE EQUIP TO 7550 PSI.</p>
	6:58 - 7:47	0.82	COMP	36	E	P		<p>STG 1) BRK DWN PERFS 13 BPM @ 3889 PSI, INJ. TEST 10.5 BPM @ 3115 PSI. ISIP 2828 PSI, FG 0.78. PMPD 126 BBLS W/10/1000 SCALES INHIB. PMPD 270 BBLS 50 BPM @ 4000 PSI. 40/40 PERFS OPEN - 100%. MP 6170 PSI, MR 56 BPM, AP 4406 PSI, AR 49 BPM. ISIP 2483 PSI, FG 0.74, NPI (-345 PSI), PMPD 583 BBLS SLK WTR, 56,341 LBS OTTOWA SND, 5,128 LBS TLC SND, 59,669 LBS TOTAL SND.</p>
	7:47 - 8:53	1.10	COMP	37	B	P		<p>STG 2) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET HALCO 8K CBP @ 8092'. PERF THE M.V. FROM 8056' - 62', 4 SPF, 7940' - 44', 4 SPF, 40 HOLES.</p>

ROCKIES

Operation Summary Report

Well: NBU 921-23C		Spud Conductor: 4/9/2008		Spud Date: 4/15/2008	
Project: UTAH		Site: UINTAH		Rig Name No: LEED 698/698	
Event: RECOMPLETION		Start Date: 7/20/2009		End Date: 7/23/2009	
Active Datum: RKB @4,863.00ft (above Mean Sea Level)		UWI: NBU 921-23C			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	8:53 - 11:41	2.80	COMP	36	E	P		STG 2) PT SURFACE EQUIP TO 7500 PSI. BRK DWN PERFS 5.3 BPM @ 2458 PSI, INJ. TEST 8.8 BPM @ 2426 PSI. ISIP 2093 PSI, FG 0.70. (PMPD 71 BBLS & SD. CONTROLLER FOR LIQ. ADDS OUT. DWN 2HRS 48 MIN. - COULD NOT FIND PROBLEM - RUN LIQ ADDS IN MANUAL FOR REMAINDER OF STGS). RE-START JOB. PMP 90 BBLS 50 BPM @ 5850 PSI. 27/40 PERFS OPEN - 68%. MP 6156 PSI, MR 52 BPM, AP 5152 PSI, AR 47 BPM. ISIP 2156 PSI, FG 0.70, NPI 63 PSI, PMPD 696 BBLS SLK WTR, 21,484 LBS OTTOWA SND, 5,131 LBS TLC SND, 26,615 LBS TOTAL SND.
	11:41 - 12:30	0.82	COMP	37	B	P		STG 3) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 & 120 DEG PHSG. SET HALCO 8K CBP @ 7928'. PERF THE M.V. FROM 7894' - 98', 3 SPF, 7864' - 66', 4 SPF, 7810' - 14', 3 SPF, 7759' - 62', 3 SPF, 41 HOLES.
	12:30 - 13:30	1.00	COMP					LOST READINGS FOR LIQ ADDS ON GEL UNIT. DWN 20 MIN TO FIND & REPAIR PROBLEM. STG 3) PT SURFACE EQUIP TO 7500 PSI. BRK DWN PERFS 5.3 BPM @ 3190 PSI, INJ. TEST 12.5 BPM @ 2367 PSI. ISIP 1764 PSI, FG 0.66. PMP 180 BBLS 50 BPM @ 5450 PSI. 27/41 PERFS OPEN - 66%. MP 6226 PSI, MR 52 BPM, AP 4587 PSI, AR 49 BPM. ISIP 2224 PSI, FG 0.72, NPI 460 PSI, PMPD 1357 BBLS SLK WTR, 56,430 LBS OTTOWA SND, 5,006 LBS TLC SND, 61,436 LBS TOTAL SND.
	13:30 - 15:12	1.70	COMP					STG 4) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET HALCO 8K CBP @ 7142'. PERF THE WASATCH FROM 7102' - 12', 4 SPF, 40 HOLES.
	15:12 - 15:50	0.63	COMP	36	E	P		STG 4) PT SURFACE EQUIP TO 7500 PSI. BRK DWN PERFS 5.3 BPM @ 2237 PSI, INJ. TEST 10.8 BPM @ 1636 PSI. ISIP 1300 PSI, FG 0.62. PMP 110 BBLS 50 BPM @ 4600 PSI. 27/40 PERFS OPEN - 72%. MP 5262 PSI, MR 53 BPM, AP 3957 PSI, AR 51 BPM. ISIP 1817 PSI, FG 0.69, NPI 517 PSI, PMPD 859 BBLS SLK WTR, 30,432 LBS OTTOWA SND, 5,689 LBS TLC SND, 36,121 LBS TOTAL SND.
	15:50 - 16:35	0.75	COMP	37	B	P		STG 5) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 & 120 DEG PHSG. SET HALCO 8K CBP @ 6650'. PERF THE WASATCH FROM 6608' - 12', 3 SPF, 6596' - 98', 3 SPF, 6522' - 24', 3 SPF, 6426' - 30', 4 SPF, 40 HOLES.
	16:35 - 17:40	1.08	COMP	36	E	P		STG 5) PT SURFACE EQUIP TO 7500 PSI. BRK DWN PERFS 5.3 BPM @ 2500 PSI, INJ. TEST 10.8 BPM @ 1850 PSI. ISIP 1445 PSI, FG 0.66. PMP 90 BBLS 52 BPM @ 3900 PSI. 36/40 PERFS OPEN - 90%. SCREEN OUT 64 BBLS INTO FLUSH (36 BBLS LEFT). PRESSURE SPIKED TO 7817 PSI. FLOW WELL BACK & CLEAN UP SND. REFLUSH WELL W/90 BBLS SLK WTR 10.3 BPM @ 1858 PSI. MP 7817 PSI, MR 55 BPM, AP 3842 PSI, AR 49 BPM. ISIP 1507 PSI, FG 0.66, NPI 62 PSI, PMPD 710 BBLS SLK WTR, 27,029 LBS OTTOWA SND, 500 LBS TLC SND, 27,529 LBS TOTAL SND IN PERFS.

ROCKIES

Operation Summary Report

Well: NBU 921-23C		Spud Conductor: 4/9/2008		Spud Date: 4/15/2008	
Project: UTAH		Site: UINTAH		Rig Name No: LEED 698/698	
Event: RECOMPLETION		Start Date: 7/20/2009		End Date: 7/23/2009	
Active Datum: RKB @4,863.00ft (above Mean Sea Level)			UWI: NBU 921-23C		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	17:40 - 18:31	0.85	COMP	37	B	P		STG 6) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 120 DEG PHSG. SET HALCO 8K CBP @ 5214'. PERF THE WASATCH FROM 5174' - 84', 4 SPF, 40 HOLES.
	18:31 - 18:52	0.35	COMP	36	E	P		STG 6) PT SURFACE EQUIP TO 7500 PSI. BRK DWN PERFS 4.9 BPM @ 1956 PSI, INJ. TEST 10.3 BPM @ 1450 PSI. ISIP 1130 PSI, FG 0.65. PMP 90 BBLS 52 BPM @ 3500 PSI. 36/40 PERFS OPEN - 90%. MP 4521 PSI, MR 53 BPM, AP 3039 PSI, AR 50 BPM. ISIP 1456 PSI, FG 0.71, NPI 326 PSI, PMPD 699 BBLS SLK WTR, 25,649 LBS OTTOWA SND, 4,668 LBS TLC SND, 30,317 LBS TOTAL SND.
	18:52 - 19:25	0.55	COMP	34	I	P		KILL PLUG - RIH W/HALCO 8K CBP & SET @ 5128'. POOH & LD WIRELINE TOOLS. RDMO CUTTERS WIRELINE & SUPERIOR PUMPING SERVICES. SWI - SDFN. PREP WELL TO DRLG OUT 7 CBP's IN AM.
7/23/2009	7:00 - 7:15	0.25	COMP	48		P		DAY 4 - JSA & SM. WHP = 0 PSI 2PPM H2S DETECTED ON VAC TRUCK EXHAUST WHILE LOADING FROM FLOWBACK TANK. (ALL PERSONNEL ON LOCATION INFORMED - ALL PERSONNEL WEARING H2S DETECTORS)

ROCKIES

Operation Summary Report

Well: NBU 921-23C		Spud Conductor: 4/9/2008		Spud Date: 4/15/2008	
Project: UTAH		Site: UINTAH		Rig Name No: LEED 698/698	
Event: RECOMPLETION		Start Date: 7/20/2009		End Date: 7/23/2009	
Active Datum: RKB @4,863.00ft (above Mean Sea Level)			UWI: NBU 921-23C		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 17:30	10.25	COMP	44	C	P		<p>RD WORKING FLOOR, ND FRAC VALVES, NU BOP. RU FLOOR & TBG EQUIP. PU 3 7/8" BIT, POBS & XN NIPPLE. TALLY & RIH ON 2 3/8" TBG, TAG FILL @ 5069'. CBP @ 5128'. RU PWR SWVL & PMP. EST CIRC. PT BOP TO 3000 PSI. CO 55' OF SND TO CBP @ 5128'.</p> <p>CBP 1) DRLG OUT HALCO 8K CBP @ 5128' IN 5 MIN. 50 PSI DIFF. RIH TAG FILL @ 5184'. CO 30' OF SND. FCP = 25 PSI.</p> <p>CBP 2) DRLG OUT HALCO 8K CBP @ 5214' IN 4 MIN. 50 PSI DIFF. RIH TAG FILL @ 6605'. CO 45' OF SND. FCP = 25 PSI.</p> <p>CBP 3) DRLG OUT HALCO 8K CBP @ 6650' IN 8 MIN. 50 PSI DIFF. RIH TAG FILL @ 7107'. CO 35' OF SND. FCP = 50 PSI.</p> <p>CBP 4) DRLG OUT HALCO 8K CBP @ 7142' IN 9 MIN. 125 PSI DIFF. RIH TAG FILL @ 7898'. CO 30' OF SND. FCP = 125 PSI.</p> <p>CBP 5) DRLG OUT HALCO 8K CBP @ 7928' IN 8 MIN. 0 PSI DIFF. RIH TAG FILL @ 8062'. CO 30' OF SND. FCP = 150 PSI.</p> <p>CBP 6) DRLG OUT HALCO 8K CBP @ 8092' IN 8 MIN. 100 PSI DIFF. RIH TAG FILL @ 8312'. CO 30' OF SND. FCP = 125 PSI.</p> <p>CBP 7) DRLG OUT HALCO 10K CBP @ 8332' IN 2 MIN. 0 PSI DIFF. RIH TAG FILL @ 9711'. PBTD @ 9773'. CO 31' OF SND. DRLG' HARD. EOT @ 9742'. BTM PERF @ 9738'. FCP = 150 PSI. CIRC WELL CLEAN. RD PWR SWVL. POOH & LD 8 JTS ON FLOAT. (34 TOTAL ON FLOAT)</p> <p>LND TBG ON HANGER W/305 JTS USED 2 3/8" 4.7# L80 TBG. EOT @ 9506.69'. POBS W/XN NIPPLE @ 9508.89'. AVG 6 MIN/PLG. CO 286' OF SND. RD TBG EQUIP. & FLOOR. FCP = 230 PSI. ND BOP, DROP BALL, NUWH. PMP OFF BIT @ 600 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. OPEN WELL TO F.B.T. ON 20 CHOKE. FTP = 0 PSI, SICP = 850 PSI.</p> <p>17:00 - TURN WELL TO F.B.C. RU FLOW LINE TO FBT. 17:30 SDFWE. MOVE RIG ON MONDAY 7/27/09 TO NBU 921-14B.</p> <p>TBG DETAIL KB 17.00' HANGER 0.83' 305 JTS TBG 9488.86' BHA 2.20' TOTAL 9508.89'</p> <p>WATER DETAIL FRAC 5904 BBLS C/O 200 BBLS TOTAL 6104 BBLS RECOV'D 1170 BBLS</p>

ROCKIES

Operation Summary Report

Well: NBU 921-23C		Spud Conductor: 4/9/2008		Spud Date: 4/15/2008	
Project: UTAH		Site: UINTAH		Rig Name No: LEED 698/698	
Event: RECOMPLETION		Start Date: 7/20/2009		End Date: 7/23/2009	
Active Datum: RKB @4,863.00ft (above Mean Sea Level)			UWI: NBU 921-23C		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/24/2009	7:00 -			33	A			LTR 4934 BBLs 7 AM FLBK REPORT: CP 1850#, TP 0#, OPEN/64" CK, 0 BWPH, - SAND, - GAS TTL BBLs RECOVERED: 970 BBLs LEFT TO RECOVER: 4934
7/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2200#, TP 1050#, 20/64" CK, 30 BWPH, 1/2 CUP SAND, - GAS TTL BBLs RECOVERED: 1490 BBLs LEFT TO RECOVER: 4414
7/26/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1950#, TP 1150#, 20/64" CK, 20 BWPH, MEDIUM SAND, MEDIUM GAS TTL BBLs RECOVERED: 2070 BBLs LEFT TO RECOVER: 3834
	10:30 -		PROD	50				WELL TURNED TO SALE @ 1030 HR ON 7/26/2009 - FTP 1150#, CP 1950#, 1.554 MCFD, 18 BWPD, 20/64 CK
7/27/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1850#, TP 1100#, 20/64" CK, 13 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 2455 BBLs LEFT TO RECOVER: 3449
7/28/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1775#, TP 1100#, 20/64" CK, 10 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 2722 BBLs LEFT TO RECOVER: 3182

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0149075
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-23C
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047393670000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 1945 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 23 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/19/2012 <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 well to drill the NBU 921-23C Pad, which consists of the following wells: NBU 921-23D1BS, NBU 921-23C1CS, NBU 921-23D1CS, NBU 921-23D4BS, NBU 921-23C1BS, and NBU 921-23C4BS. Please see attached procedure. Thank you.

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

Date: July 12, 2012

By: *Derek Quist*

NAME (PLEASE PRINT) Cara Mahler	PHONE NUMBER 720 929-6029	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 6/19/2012	

Well Name: NBU 921-23C
Surface Location: NENW Sec. 23, T9S, R21E
Uintah County, UT

6/18/12

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: 4304739367 **LEASE#:** UTU-0149075

ELEVATIONS: 4846' GL 4863' KB

TOTAL DEPTH: 9830' **PBTD:** 9773'

SURFACE CASING: 9 5/8", 36# J-55 @ 2550' (KB)
TOC @ Surface

PRODUCTION CASING: 4 1/2", 11.6# P-110 @ 9830'
TOC @ ~300' per CBL

PRODUCTION TUBING: 2 3/8" J-55 @ 9509' (According to workover rig rpt dated 7/20/09)

PERFORATIONS: WASATCH 5174' - 7814'
MESAVERDE 7894' - 9738'

GEOLOGICAL TOPS:
4952' Wasatch
7753' Mesaverde

NBU 921-23C 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 24 sx of cement needed to perform procedure.

Note: No gyro has been run.

1. MIRU. KILL WELL AS NEEDED. 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 WAS/MV PERFORATIONS (5174' - 9738')**: RIH W/ 4 ½" CBP. SET @ ~5130'. 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 (~5030'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #2, PROTECT TOP OF WASATCH (4952')**: PUH TO ~5060'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4850' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 6/18/12

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0149075
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-23C	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047393670000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6111	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 1945 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 23 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/4/2014 <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"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input 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 type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has concluded the temporary abandonment operations on the subject well location on 3/4/2014. This well was plugged in order to expand and drill the NBU 921-23C Pad wells. Please see the attached chronological well history for details. Thank you.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 17, 2014</p>		
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

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 921-23C			Spud Conductor: 4/9/2008			Spud Date: 4/15/2008		
Project: UTAH-UINTAH			Site: NBU 921-23C			Rig Name No:		
Event: ABANDONMENT			Start Date: 10/21/2013			End Date: 3/4/2014		
Active Datum: RKB @4,863.00usft (above Mean Sea Level)				UWI: NBU 921-23C				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/28/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. DONT FOLLOW TO CLOSE T/ RIG WHEN ROADING.
	7:00 - 10:00	3.00	ABANDT	30	G	P		ROAD RIG F/ NBU 131. WAIT FOR GRADER T/ REPAIR ROAD INTO LOC (ROAD VERY MUDDY)
	10:00 - 11:00	1.00	ABANDT	30	A	P		MIRU RIG & SPOT EQUIP.
	11:00 - 12:30	1.50	ABANDT	35	D	P		MIRU DELSCO SLICK LINE. RIH TAG PLUNGER HARD. PARTED SL. POOH. DRMO DELSCO. (DELSCO HAND WENT T/ GO GET FISHING EQUIP)
	12:30 - 14:30	2.00	ABANDT	45	A	P		MIRU SCAN TECH. SCAN 23/8 L-80 TBG OOH. SCAN 72 JTS OOH. RDMO DELSCO SL.
	14:30 - 18:00	3.50	ABANDT	35	D	P		MIRU DELSCO SL. PU JDC FISH TOOL. RIH FISH SL TOOLS & PLUNGER. POOH. LD SL TOOLS & PLUNGER. 2nd RUN. RIH FISH BUMPER SPRING. COULD NOT UNSEAT BUMPER SPRING. SHEAR TOOL. POOH. SWIFWE. DRMO DELSCO SL.
3/3/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. STAY AWAY F/ CMT PUMP WHILE PUMPING CMT.
	7:00 - 12:30	5.50	ABANDT	45	A	P		SICP = 400 PSI. BLOW WELL DOWN T/ FBT. PUMP 40 BBLS T-MAC T/ CONTROL WELL. CONT POOH SCAN TBG. POOH W/ 305 JTS 23/8 L-80 TBG. FOUND 207 JTS YELLOW BAND. 47 JTS BLUE BANS. 51 JTS JUNK (51 RB, ID WALL LOSS. OD LOOKED GOOD) JT 147-250 HAD LIGHT OD SCALE. JT 251-274 HAD HEAVY OD SCALE. FOUND BUMPER SPRING STUCK IN XN-NIPPLE. RDMO SCAN TECH.
	12:30 - 13:30	1.00	ABANDT	34	I	P		MIRU CUTTERS WL. PU 41/2, 10K CBP. RIH SET CBP @ 5130'. POOH. RDMO CUTTERS.
	13:30 - 15:30	2.00	ABANDT	31	I	P		PU NOTCH COLLAR. RIH W/ 164 JTS 23/8 L-80. TAG CBP @ 5130'. P/U 3'.

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-23C	Spud Conductor: 4/9/2008	Spud Date: 4/15/2008
Project: UTAH-UINTAH	Site: NBU 921-23C	Rig Name No:
Event: ABANDONMENT	Start Date: 10/21/2013	End Date: 3/4/2014
Active Datum: RKB @4,863.00usft (above Mean Sea Level)	UWI: NBU 921-23C	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	15:30 - 16:30	1.00	ABANDT	51	D	P		MIRU PRO PETRO CMT CREW. BRK CONV CIRC. FILL HOLE W/ 65 BBLS T-MAC. PSI TEST CSG T/ 500 PSI. GOOD TEST. BLEED OFF PSI. 1st CMT BALANCE PLUG, PUMP 2 BBLS FRESH, 2 BBLS 15.8# CMT & DISPLACE CMT (THIS IS 103' CMT BP) POOH W/ 2 JTS TBG. EOT @ 5067'. 2nd CMT BP, PUMP 2 BBLS FRESH, 3.3 BBLS 15.8# CMT & DISPLACE CMT (THIS IS A 256' BP) POOH T/ 4800'. REV CMT OUT T/ PIT. RDMO PRO PETRO.
	16:30 - 17:30	1.00	ABANDT	31	I	P		POOH LD TBG ON TBG FLOAT. EOT 2500'. SWIFN.
3/4/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. SLIP, TRIP & FALL'S.
	7:00 - 17:09	10.15	ABANDT	31	I	P		OPEN WELL 0 PSI. CONT POOH LD REMAINING TBG. ND BOP. DIG OUT AROUND WELL HEAD. MIRU FMC WELL HEAD. ND TBG HEAD. INSTALL NIGHT CAP. RD RIG. RACK OUT RIG EQUIP. ROAD RIG T/ NBU 921-26K3CS. SPOT RIG & EQUIP. SDFN.
3/5/2014	7:00 -							TEARDOWN PRODUCTION FACILITY FOR MULTI-WELL PAD.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0149075
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-23C
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047393670000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 1945 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 23 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/22/2014 <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 checked="" 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.

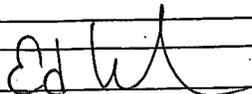
Kerr-McGee Oil & Gas Onshore, LP concluded temporary abandonment operations on the subject well location on 3/4/2014. This well was temporarily abandoned in order to expand and drill the NBU 921-23C Pad wells. The planned drilling operations for the the NBU 921-23C Pad wells have been scheduled for 2015. An MIT test was performed on 10/22/2014 confirming wellbore integrity and the Operator requests an additional one year extension for the referenced well to remain in temporarily abandoned status from the date of the MIT test. Please see the attached MIT test record for details of wellbore integrity. Thank you.

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

Date: ~~November 17, 2014~~
By: *Derek Duff*

NAME (PLEASE PRINT) Kristina Geno	PHONE NUMBER 720 929-6824	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/3/2014	

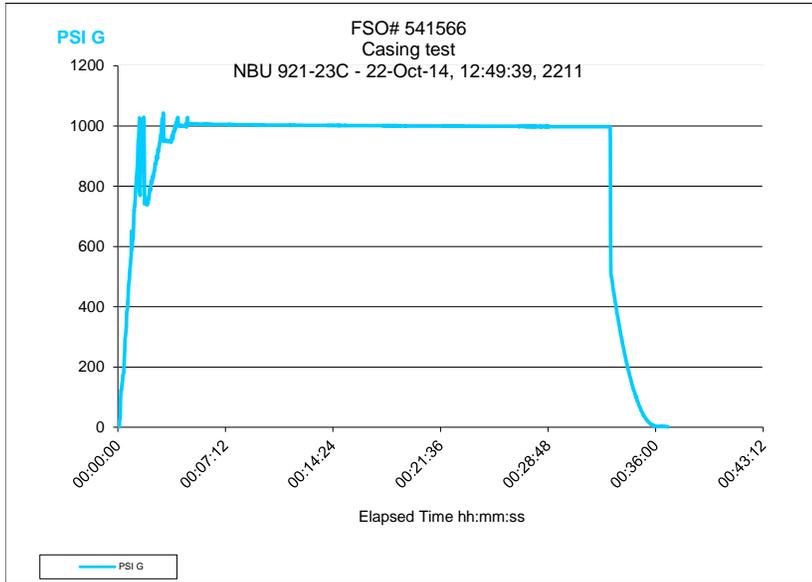
MIT TEST 921-23C

Bradenhead Test Record - Greater Natural Buttes			Data Collection Responsibilities:	
Well Name & Number: NBU 921-23C			Lease Operator: Lines 1 through 15, and signature with date at bottom.	
API Number: 4304739367			Prod. Engineer: Lines 16 through 22, and signature with date at bottom.	
Date of Test: 10-22-14				
Line No.	All Wells (Lines 1-8)	Circle / Fill In	Comments	
1	Bradenhead Valve Open	Y / N	5 1/2" PRODUCTION CASING TEST TEST TIME PRESSURE AMT LOST 1000 12:54-1:24 1009-998 - 11 psi	
2	Bradenhead Valve Locked Open	Y / N		
3	Pressure Relief Assembly (PRA)	Y / N		
Bradenhead Flow Status:				
4	Open-No flow	Y / N		
5	Tubing Pressure	NA	psig	
6	Production Casing Pressure	0	psig	
7	Surface Casing Pressure	0	psig	
Build-up Test: (Notes 1 - 3)				
8	Stabilized Pressure	0	psig	For Build-up Pressure Greater than 400 psi Treat on Case by Case Basis Conduct Diagnostic Testing/Review - Remediation May Be Required
For Non-zero Surface Casing Build-up (Notes 4 - 5)				
9	Time to Bleed to Zero PSI	0	minutes	
10	Is Flow Sustained	Y / N		
11	Type of Fluid Recovered	H2O / Mud / Diesel / Oil		
12	Amount of Fluid Recovered	0	gallons	
Post Test Check				
13	Bradenhead Valve Locked Open	Y / N		
14	PRA Installed	Y / N		
15	Winterization Fluid Added?	0	gallons	
Well Status				
16	Flowing/Plunger/Other Artificial Lift	Y / N		
17	Shut-in	Y / N		
18	Temporary Bridge Plug above Perfs	Y / N		
Test Status				
19	Pre-completion	Y / N		
20	Post completion	Y / N		
21	Post recompletion	Y / N		
22	Pre-Plug & Abandonment	Y / N		
Notes:				
1) Surface Casing build-up to be performed with a Pressure Relief Assembly until stabilized (maximum 7 days).				
2) Pressures to be recorded on chart or digitally. Verify calibration of gauges and chart recorders (every 6 months).				
3) Ensure gauge and charts are properly scaled for pressure and time. Charts to be submitted to Production Engineer and filed.				
4) Leave Pressure Relief Assembly in place for containment with bradenhead valve locked open if build-up is non-zero.				
5) Re-winterize if more than 1.0 gallons of winterization fluid is recovered.				
Test performed by: 			(Lease Operator)	
Data reviewed by:			(Production Engineer)	

Data Collection Report

	Chassis	Left Scale	Right Scale
Serial Number	351623	261465	
Datatype		Lower	
Units		PSI G	

Lower



	Chassis	Lower Module	Upper Module	BARO Module	Left Scale	Right Scale
Serial Number	351623	261465			261465	
Model	NV	15KPSI				
Message Store						
Userspan		1.00000				
Offset						
Datatype					Lower	
Units		PSI G			PSI G	
Tare						
Average						
User Factor						
User Offset						
User Resolution						
Firmware Version	R080014	R090007				
Calibration Due		7-Jan-14				
Run Index	2					
Run Start Time			22-Oct-14/12:49:39			
Run Duration			36 minutes 50 seconds			
Run Tag			NBU 923-M			
Logging Interval	1.0					

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0149075
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047393670000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6111 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 1945 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 23 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: Uintah STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input 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: 7/10/2015	<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
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width:100px;" type="text"/>

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

The NBU 921-23C well was returned to production on 7/10/2015 following a temporary abandonment. Please see the attached operations summary report for details. Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 July 15, 2015

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 7/13/2015	

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-23C		Spud Conductor: 4/9/2008		Spud date: 4/15/2008	
Project: UTAH-UINTAH			Site: NBU 921-23C		Rig name no.: MILES-GRAY 1/1
Event: ABANDONMENT			Start date: 6/29/2015		End date: 7/7/2015
Active datum: RKB @4,863.00usft (above Mean Sea Level)			UWI: NBU 921-23C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
10/23/2014	13:00 - 14:00	1.00	ABANDT	52	D	P		BLUE STAKED LOCATION DUG OUT WELL HEAD, INSTALL TEST CAP\nCONDUCT MIT TEST FOR 30 MIN, BLEED WELL\nDOWN FILL IN WELL HEAD\nTEST TIME PRESSURE AMT LOST\n1000 12:54-1:26 1009-998 -11 PSIN
7/1/2015	7:00 - 7:15	0.25	ABANDT	48		P		SAFETY = JSA.
	7:15 - 9:00	1.75	ABANDT	30	A	P		0# ON WELL. MIRU. SPOT IN PIPE WRANGLER + RACKS. NDWH. NUBOP. R/U FLOOR & TBNG EQUIP.
	9:00 - 13:45	4.75	ABANDT	31	I	P		PREP & TALLY 2-3/8" P-110 NEW TBNG ON THE PIPE RACK. P/U & RIH W/ 3-7/8" MILL + BIT SUB+ 152JTS NEW 2-3/8" P-110 TBNG. T/U ON CMT TOP @ 4795'. L/D 1JT TBNG. R/U POWER SWIVEL. HOOK UP PUMP LINES.
	13:45 - 17:00	3.25	ABANDT	44	A	P		BREAK REV CIRC W/ TMAC. PRESSURE TEST BOP + CSG GOOD @ 3000#. BLEED OFF PRESSURE. BEGIN D/O CMT. D/O CMT F- 4795' T- 4977' W/ TOTAL OF 157TS 2-3/8" P-110 + BHA. CIRC WELL CLEAN. PUH 1JT. SWIFN. SDFN.
7/2/2015	7:00 - 7:15	0.25	ABANDT	48		P		SAFETY = JSA.
	7:15 - 17:00	9.75	ABANDT	44	D	P		0# ON WELL. BREAK REV CIRC. RIH TBG W/ SWIVEL. T/U @ 4977'. BREAK REV CIRC. D/O CMT FROM 4977' TO 5120' AND FALL THRU CMT. RIH & T/U ON CBP @ 5130' W/ TOTAL OF 162JTS 2-3/8" P-110 TBNG + BIT SUB+ 3-7/8" MILL. REV CIRC UNTIL WELL CLEAN. \n\nMIRU FOAM-AIR UNIT. BREAK CONV CIRC. D/O CBP @ 5130' IN 7MIN. RIH 2MORE JTS TBG. CNTRL TBG W/ 10BBLS TMAC. HANG BACK POWER SWIVEL. L/D 3JTS TBNG & REMOVE TSF. \n\nCONT RIH W/ MILL & TBNG. T/U ON SCALE @7131' W/ 225JTS TBG + BHA. R/U POWER SWIVEL. INSTALL TSF. R/U FOAM-AIR UNIT. BREAK CONV CIRC IN 30MIN. D/O 40' SCALE CONT RIH W/ TOTAL OF 234JTS TBNG. HANG BACK POWER SWIVEL. CNTRL TBG W/ 10BBLS TMAC. TOOH 10JTS TBG & REMOVE TSF.\n\nCONT RIH W/ MILL & TBG. T/U ON SCALE @ 7820' W/ 247JTS TBG+ BHA. R/U POWER SWIVEL. INSTALL TSF. R/U FOAM-AIR UNIT. BREAK CONV CIRC IN 30MIN. D/O HARD SCALE F- 7820' T- 7875' & PATCHY SCALE F- 7890' T- 8125'. FALL THRU & CONT RIH TBNG. STOP @ 8428' W/ 266JTS TOTAL TBNG IN THE WELL + BHA. CIRC WELL CLEAN W/ FOAM- AIR UNIT FOR 40MIN. CNTRL TBNG W/ 15BBLS TMAC. HANG BACK POWER SWIVEL. POOH WHILE STD BACK 20JTS TBNG. REMOVE TSF. SWIFWE. SDFWE. LEAVE EOT @7820'. LOCK RAMS.
7/6/2015	7:00 - 7:15	0.25	ABANDT	48		P		SAFETY = JSA.

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-23C		Spud Conductor: 4/9/2008		Spud date: 4/15/2008	
Project: UTAH-UINTAH		Site: NBU 921-23C		Rig name no.: MILES-GRAY 1/1	
Event: ABANDONMENT		Start date: 6/29/2015		End date: 7/7/2015	
Active datum: RKB @4,863.00usft (above Mean Sea Level)			UWI: NBU 921-23C		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 8:00	0.75	ABANDT	31	I	P		SICP= 1100#. SITP= 1100#. OPEN CSG TO FLOWBACK TANK. CNTRL TBG W/ 15BBLS TMAC. TIH W/ 20JTS 2-3/8" P-110 TBNG FROM DERICK. CONT RIH TBNG OFF PIPE RACKS. T/U ON SCALE @ 8485' W/ 268JTS 2-3/8" P-110 + BIT SUB + 3-7/8" MILL. R/U POWER SWIVEL. MIRU FOAM-AIR UNIT. BREAK CIRC.
	8:00 - 12:30	4.50	ABANDT	44	D	P		MILL HARD PATCHY SCALE F- 8485' T- 9647'. C/O SAND F- 9647' T- 9724'. T/U ON OLD POBS @9724' W/ 307JTS 2-3/8" P-110 TBNG + BHA. CIRC WELLBORE CLEAN 45MIN. 1SET OF PERFORATIONS COVERED SO SPEAK W/ ENGINEERING & THEY DECIDED TO LEAVE OLD POBS IN THE WELL. CNTRL TBG W/ 20BBLS TMAC. RDMO FOAM-AIR UNIT. NOTE: HAD TO POOH W/ TBG & REMOVE TSF 2 TIMES.
	12:30 - 17:00	4.50	ABANDT	31	I	P		POOH WHILE L/D 39JTS 2-3/8" P-110 TBNG NOT NEEDED FOR PRODUCTION. CONT POOH WHILE STND BACK REMAINING 268JTS. L/D 3-7/8" MILL + BIT SUB. CNTRL WELL W/ 50BBLS TMAC WHILE POOH W/ LAST 25 STNDS. M/U NEW 1.875" XN-NOTCH COMBO NIPPLE AND TIH W/ 134JTS 2-3/8" P-110 TBNG. SWIFN. SDFN. LOCK RAMS. BROACH ALL TBNG GOOD WHILE RIH W/ 1.910" BROACH. NOTE: CNTRL TBNG AS NEEDED W/ 30 MORE BBLS TMAC.
7/7/2015	7:00 - 7:15	0.25	ABANDT	48		P		SAFETY = JSA.
	7:15 - 12:00	4.75	ABANDT	31	I	P		SICP= 1000#. SITP= 1000#. OPEN CSG TO FLOWBACK TANK. CNTRL TBG W/ 20BBLS TMAC. CONT RIH W/ 1.875" XN + REMAINING 134JTS 2-3/8" P-110 TBNG. BROACH ALL TBNG GOOD WHILE RIH W/ 1.910" BROACH. LUBE IN HANGER. R/D FLOOR & TBNG EQUIP. NDBOP. NUWH. SWI. RDMOL. TBNG LANDED AS FOLLOWS: KB= 17.00' HANGER= .83' 268JTS 2-3/8" P-110 NEW TBG= 8480.62' 1.875" XN-NOTCH COMBO NIPPLE= 1.05' EOT @8499.50' TWLTR= 30BBLS. MOST FLUID RECOVERED DURING FLOWBACK OF CSNG.