

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-0581
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 921-18D
4. Location of Well (Report location clearly and in accordance with any State requirements.)* 40.641723 At surface NW/NW LOT 1, 550'FNL, 827'FWL 619.2454 At proposed prod. Zone 4433194 -109.602236		9. API Well No. 43047-39255
14. Distance in miles and direction from nearest town or post office* 12.85 +/- MILES FROM 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) 822'	16. No. of Acres in lease 2399.63	11. Sec., T., R., M., or Blk, and Survey or Area SEC. 18, 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 10,550'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4716'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:

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

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 4/18/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by Signature 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-26-07
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

APR 23 2007

DIV. OF OIL, GAS & MINING

Kerr-McGee Oil & Gas Onshore LP

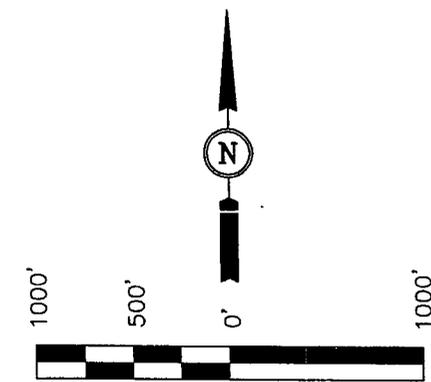
Well location, NBU #921-18D, located as shown in LOT 1, of Section 18, T9S, R21E, S.L.B.&M. Uintah County, Utah.

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

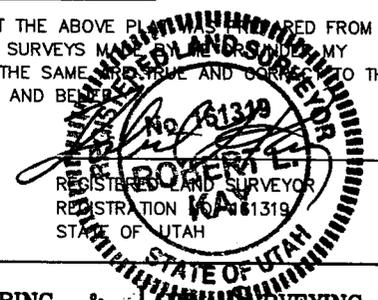
BASIS OF BEARINGS

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

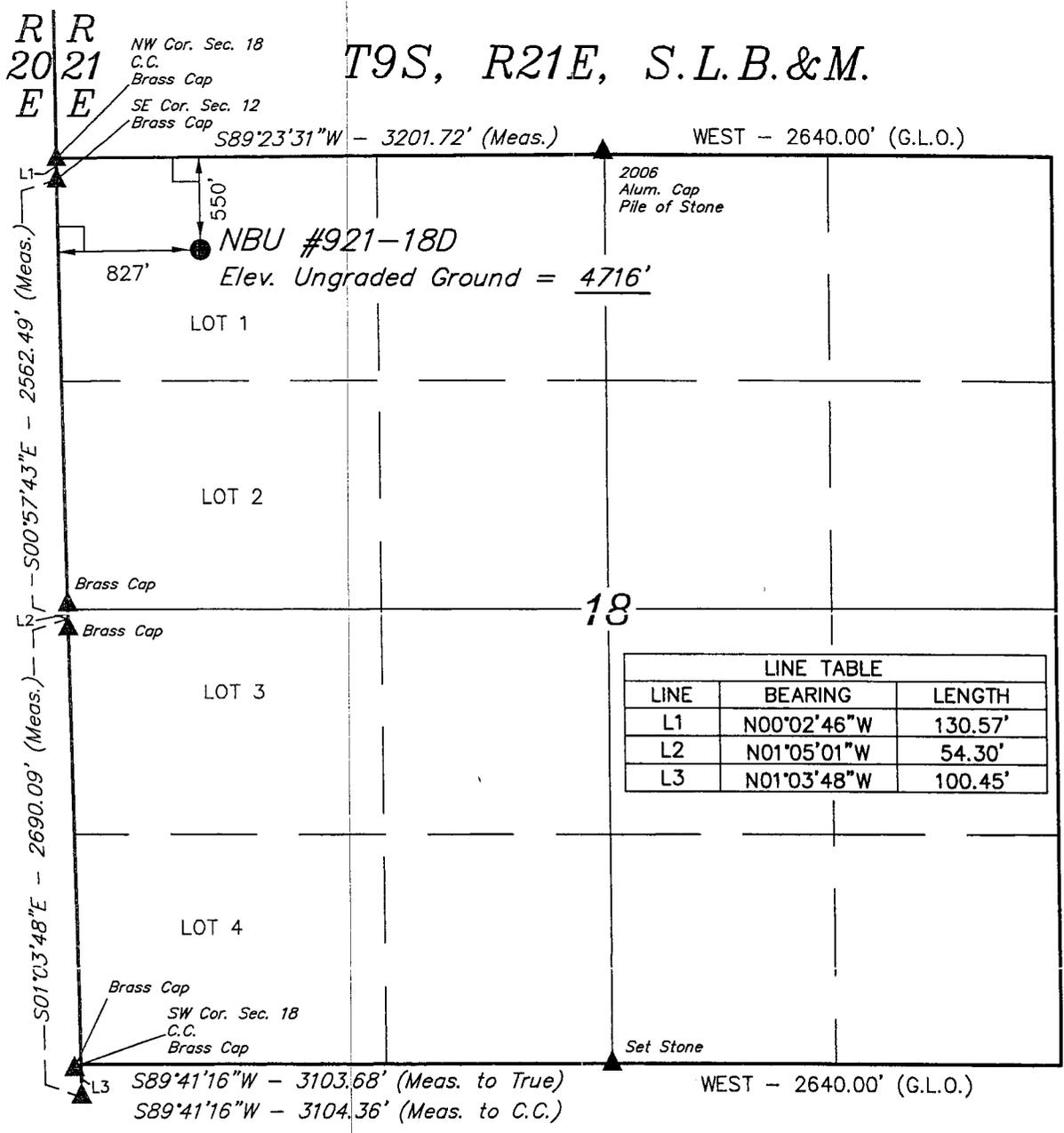


SCALE
CERTIFICATE

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



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



LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°02'46"W	130.57'
L2	N01°05'01"W	54.30'
L3	N01°03'48"W	100.45'

N00°03'W - 5280.00 (G.L.O.)

LEGEND:

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

(NAD 83)
LATITUDE = 40°02'30.41" (40.041781)
LONGITUDE = 109°36'10.53" (109.602925)
(NAD 27)
LATITUDE = 40°02'30.54" (40.041817)
LONGITUDE = 109°36'08.04" (109.602233)

SCALE 1" = 1000'	DATE SURVEYED: 01-11-07	DATE DRAWN: 01-18-07
PARTY L.K. J.M. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 921-18D
NW/NW Sec. 18, T9S, R21E
UINTAH COUNTY, UTAH
UTU-0581**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1724'
Top of Birds Nest Water	1992'
Mahogany	2376'
Wasatch	5134'
Mesaverde	8318'
MVU2	9307'
MVL1	9847'
TD	10,550'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1724'
	Top of Birds Nest Water	1992'
	Mahogany	2376'
Gas	Wasatch	5134'
Gas	Mesaverde	8318'
Gas	MVU2	9307'
Gas	MVL1	9847'
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 SCP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,550' TD, approximately equals 6541 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4220 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL		WT	GR	DREG	DESIGN FACTORS		
							BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'					2270	1370	254000
SURFACE	9-5/8"	0	to 2100	32.30	H-40	STC	0.55*****	1.39	3.59
	9-5/8"	2100	to 2500	36.00	J-55	STC	1.06*****	1.73	7.98
PRODUCTION	4-1/2"	0	to 10550	11.60	I-80	LTC	1.87	0.98	1.88

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD o' next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.8 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 4152 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

	LEAD	FOOTAGE	DESCRIPTION	SACKS	GRADIENT	WEIGHT	FIELD
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 sodi m 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
SURFACE Option 2	LEAD	2000	NOTE: If vrell will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOOC	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	4,630'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	11.00	3.38
	TAIL	5,920'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1660	60%	14.30	1.31

*Substitute caliper hole volume plus 3% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

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

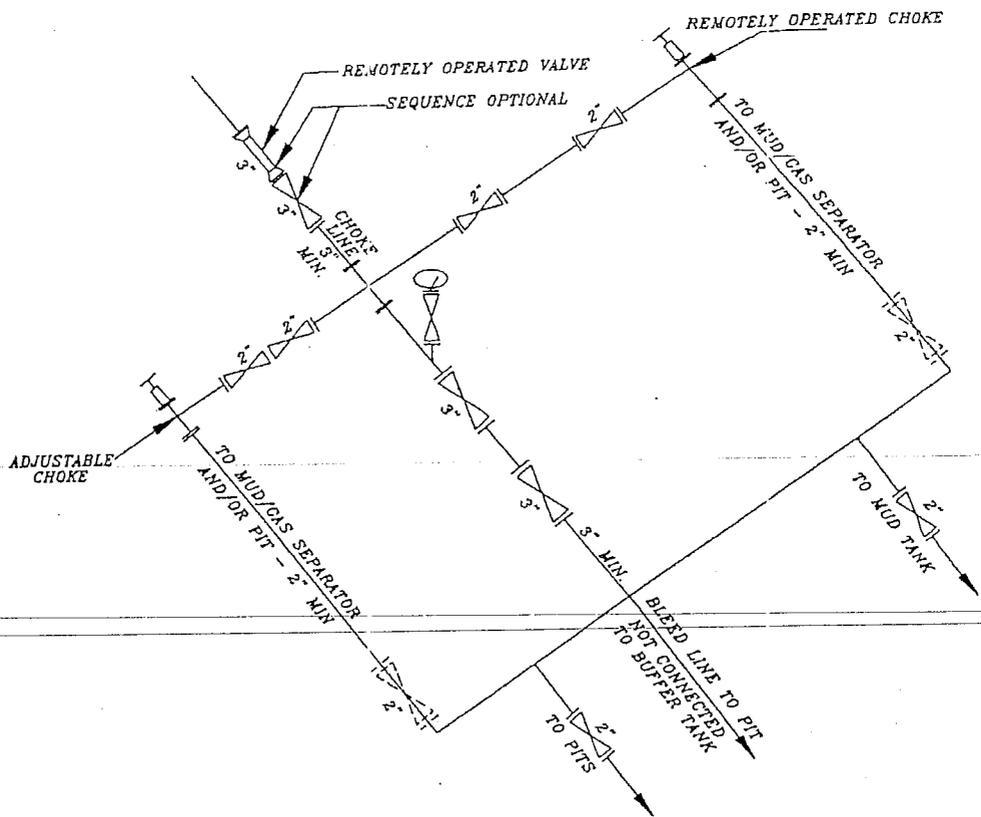
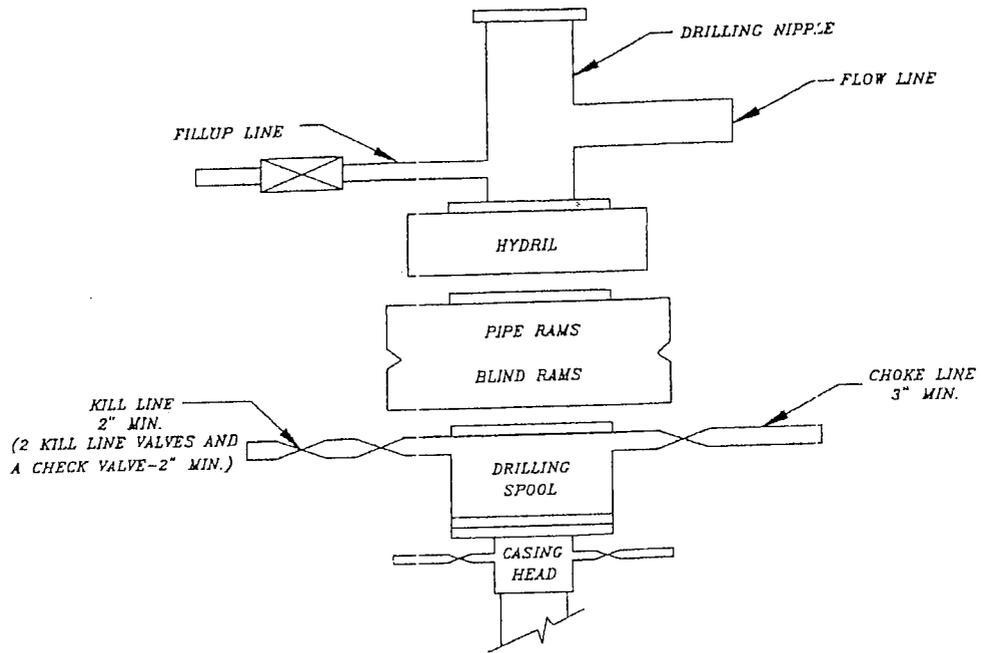
Most rigs have PVT Systems for mud monitoring. If no PVT's available, visual monitoring will be utilized.

DRILLING ENGINEER: _____
Brad Laney

DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____
DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 921-18D
NW/NE SEC. 18, T9S, R21E
UINTAH COUNTY, UTAH
UTU-0581**

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 0.25 +/- 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 1161' +/- of 4" pipeline is proposed from the location to an existing pipeline.

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

4/18/2007
Date

Kerr-McGee Oil & Gas Onshore LP

NBU #921-18D

SECTION 18, 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 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 43.85 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-18D

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R21E, S.L.B.&M.

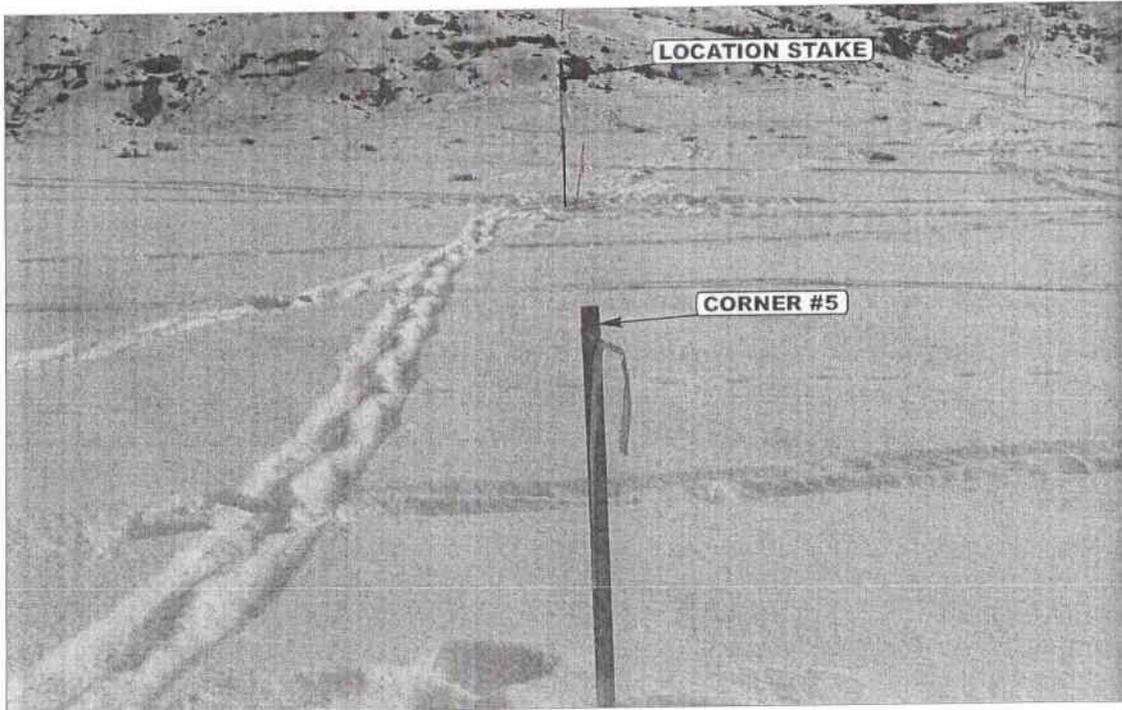


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

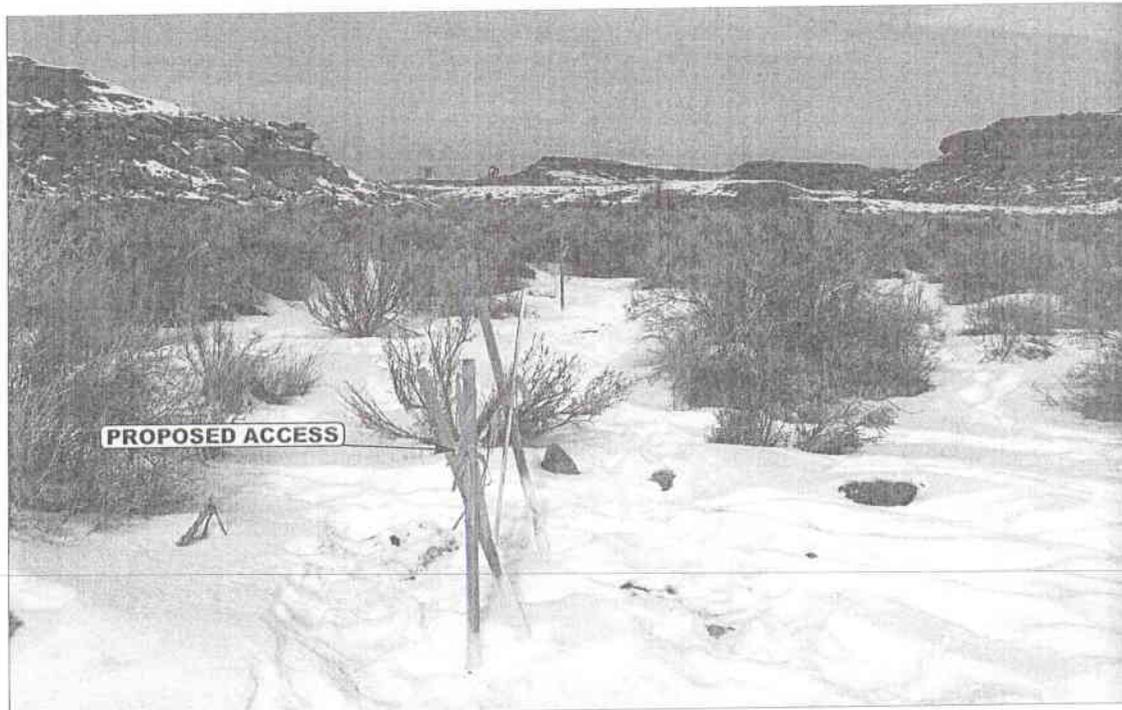


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

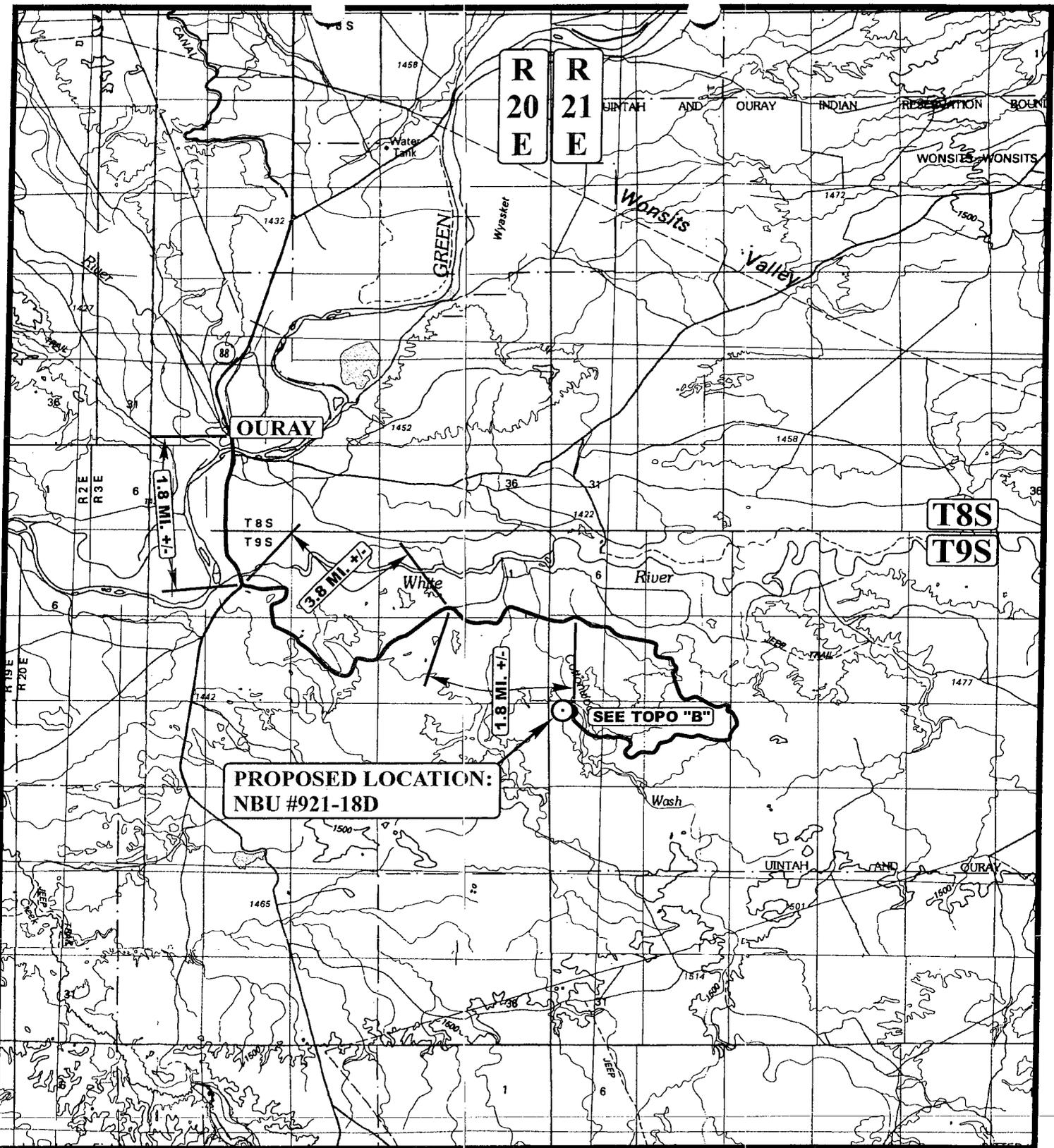
CAMERA ANGLE: NORTHERLY



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

- Since 1964 -

LOCATION PHOTOS	01	17	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: L.K.	DRAWN BY: C.P.		REVISED: 00-00-00	



LEGEND:
 ○ PROPOSED LOCATION

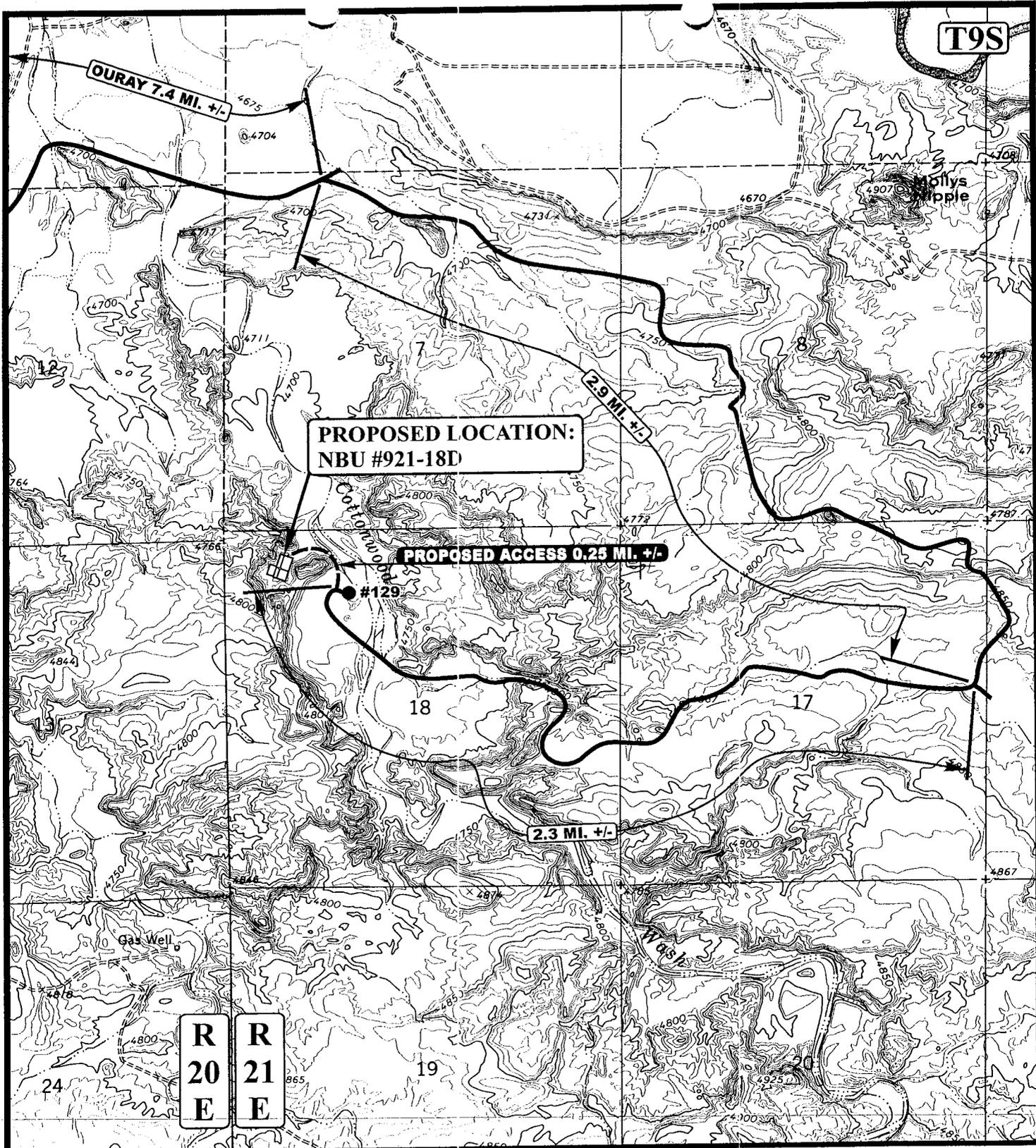
Kerr-McGee Oil & Gas Onshore LP
 NBU #921-18D
 SECTION 18, T9S, R21E, S.L.B.&M.
 550' FNL 827' FWL

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



TOPOGRAPHIC MAP 01 17 07
 MONTH DAY YEAR
 SCALE: 1:100,000 | DRAWN BY: C.P. | REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD

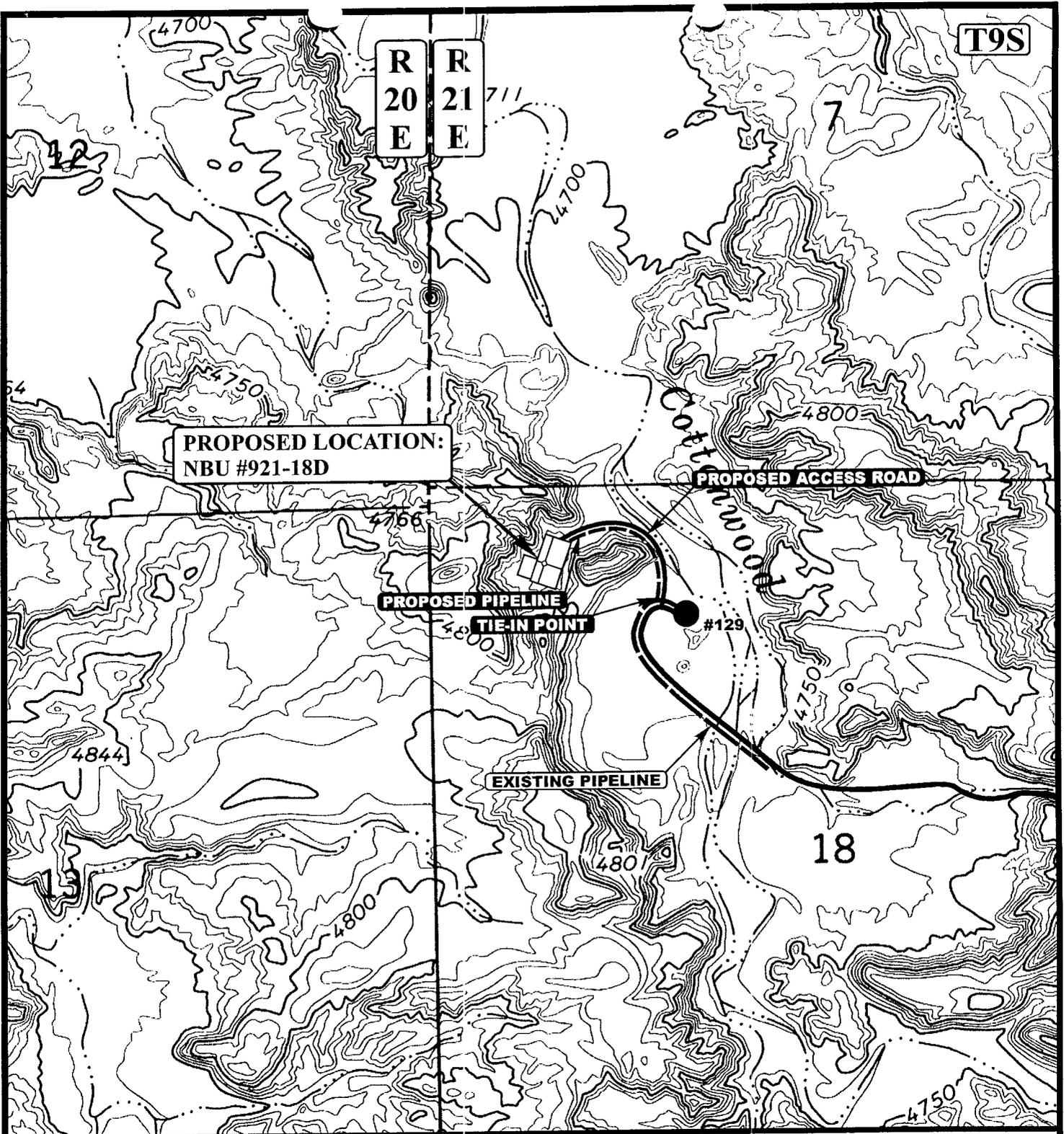
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UEIS Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 01 17 07
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,161' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

Kerr-McGee Oil & Gas Onshore LP

NBU #921-18D

SECTION 18, T9S, R21E, S.L.B.&M.

550' FNL 827' FWL



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



TOPOGRAPHIC
MAP

01	17	07
MONTH	DAY	YEAR

SCALE: 1" = 1000'

DRAWN BY: C.P.

REVISED: 00-00-00



Kerr-McGee Oil & Gas Onshore LP

NBU #921-18D

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 18, T9S, R21E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHERLY

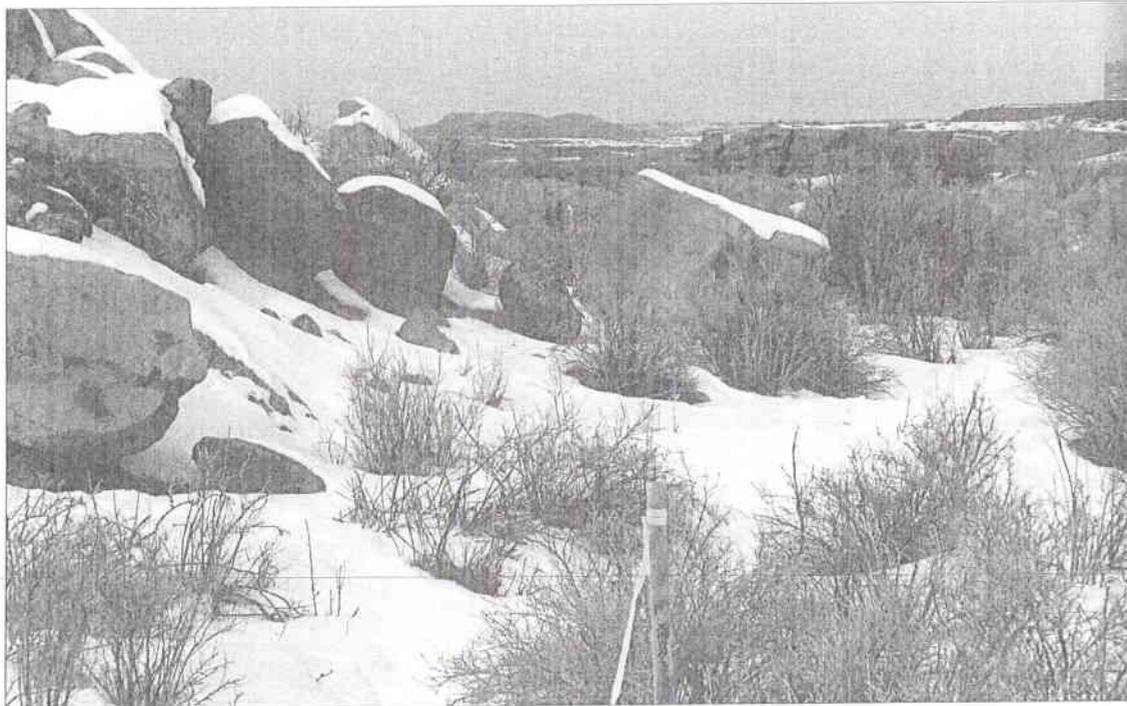


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

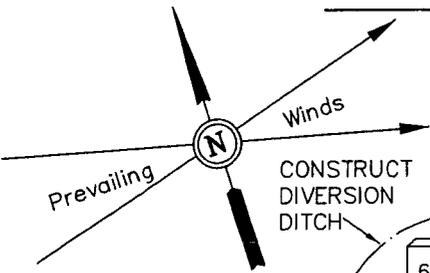
PIPELINE PHOTOS	01	17	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: L.K.	DRAWN BY: C.P.		REVISED: 00-00-00	

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

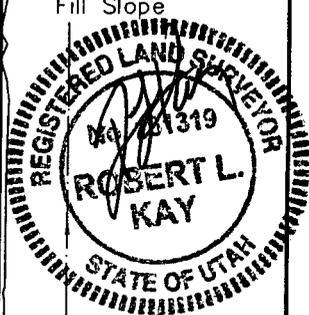
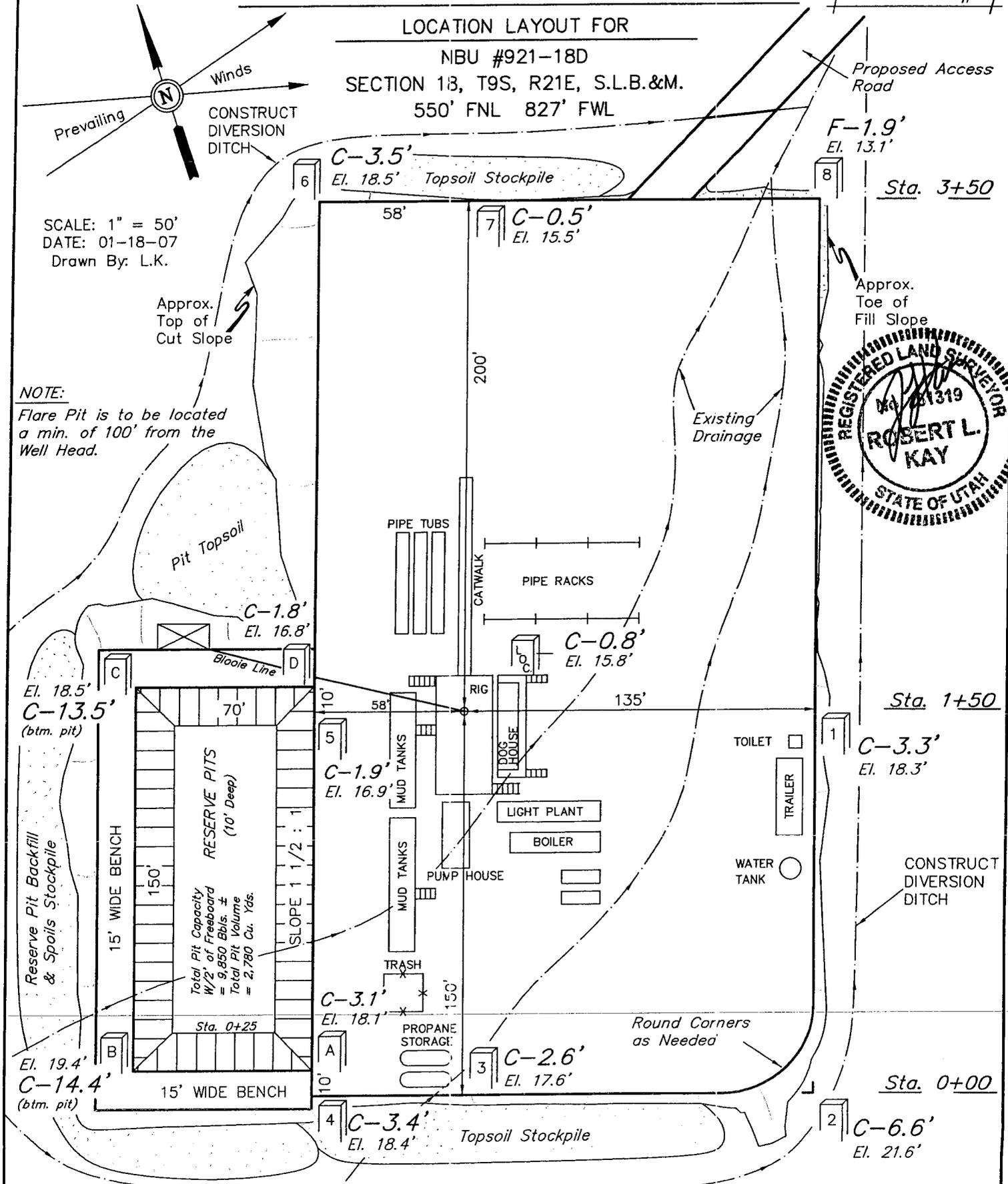
LOCATION LAYOUT FOR

NBU #921-18D
SECTION 18, T9S, R21E, S.L.B.&M.
550' FNL 827' FWL



SCALE: 1" = 50'
DATE: 01-18-07
Drawn By: L.K.

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

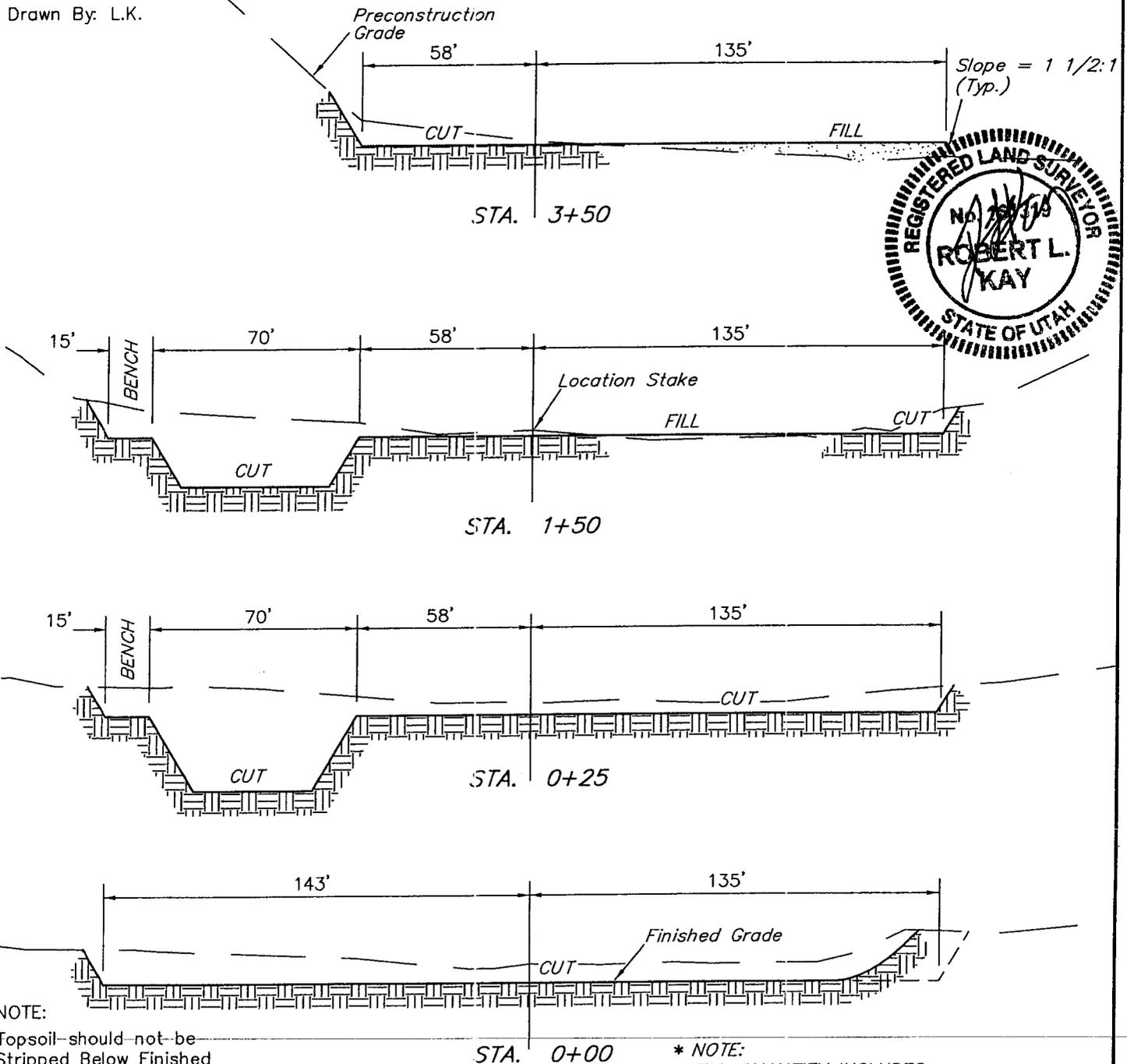


NOTES:

Elev. Ungraded Ground At Loc. Stake = 4715.8'
FINISHED GRADE ELEV. AT LOC. STAKE = 4715.0'

TYPICAL CROSS SECTIONS FOR
 N3U #921-18D
 SECTION 1E, T9S, R21E, S.L.B.&M.
 550' FNL 827' FWL

1" = 20'
 X-Section Scale
 1" = 50'
 DATE: 01-18-07
 Drawn By: L.K.



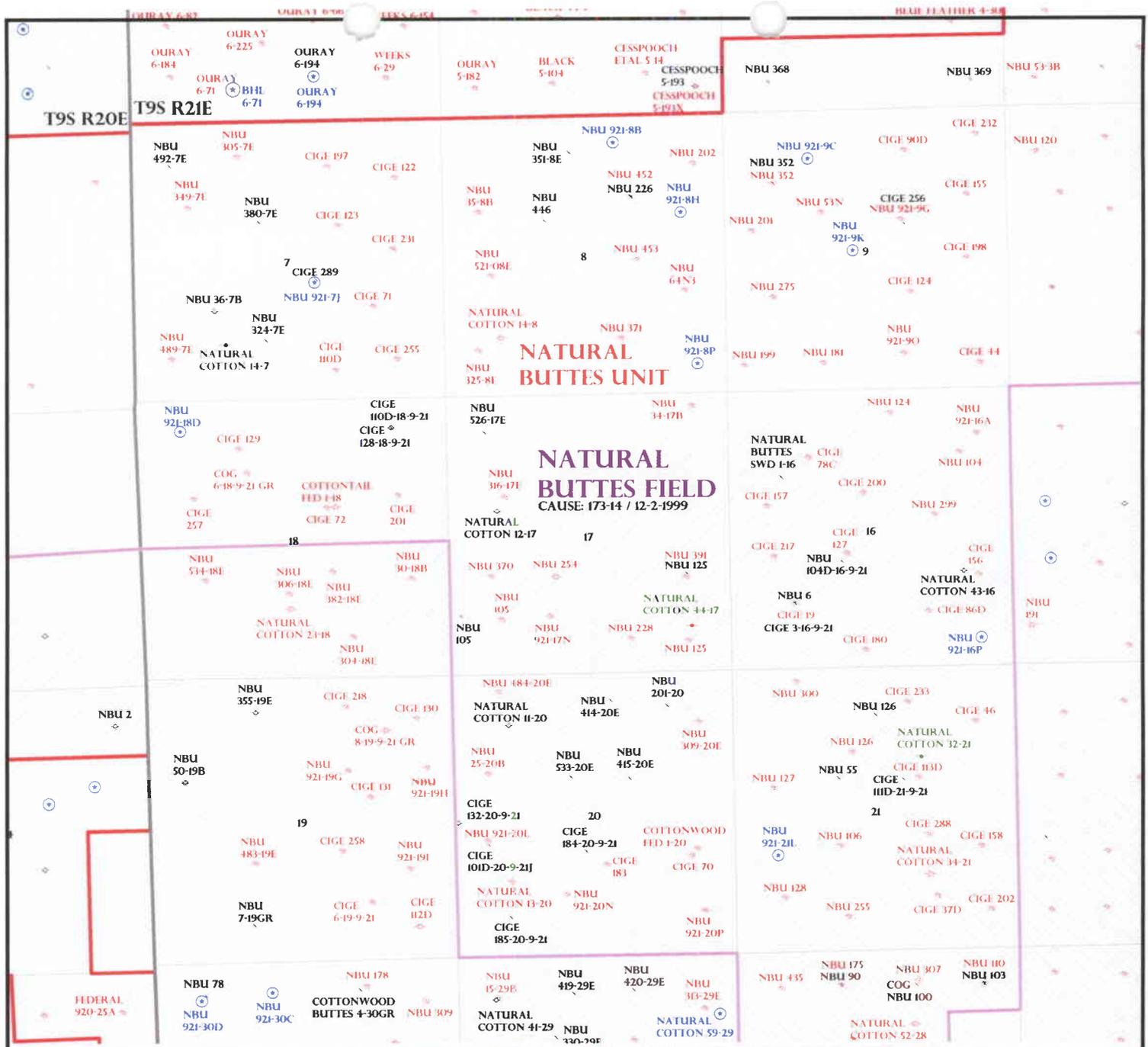
NOTE:
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,440 Cu. Yds.
Remaining Location	= 5,640 Cu. Yds.
TOTAL CUT	= 9,080 CU.YDS.
FILL	= 2,820 CU.YDS.

EXCESS MATERIAL	= 6,260 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,830 Cu. Yds.
EXCESS UNBALANCE (After interim Rehabilitation)	= 1,430 Cu. Yds.



OPERATOR: KERR MCGEE O&G (N2995)
 SEC: 8,9,16,18,21 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
 - x GAS STORAGE
 - x 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



PREPARED BY: DIANA MASON
 DATE: 25-APRIL-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)

April 25, 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)

43-047-39237	NBU 921-8B	Sec 08 T09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T09S R21E 2015 FSL 0713 FWL

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:4-25-07



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 26, 2007

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

Re: Natural Buttes Unit 921-18D Well, 550' FNL, 827' FWL, NW NW, Sec. 18,
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 43-047-39255.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Kerr McGee Oil and Gas Onshore LP
Well Name & Number Natural Buttes Unit 921-18D
API Number: 43-047-39255
Lease: UTU-0581

Location: NW NW Sec. 18 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. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

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

RECEIVED
VERNAL FIELD OFFICE

2007 APR 19 AM 11:58

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 MGMT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-0581

7. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

1a. Type of Work: DRILL REENTER

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

UNIT #891008900A

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

8. Lease Name and Well No.

NBU 921-18D

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

9. API Well No.

43 047 39255

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

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

10. Field and Pool, or Exploratory
NATURAL BUTTES

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

At surface **NW/NW LOT 1, 550'FNL, 827'FWL**

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

SEC. 18, T9S, R21E

At proposed prod. Zone

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

12.85 +/- MILES FROM OURAY, UTAH

12. County or Parish

UINTAH

13. State

UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **822'**

16. No. of Acres in lease
2399.63

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
10,550'

20. BLM/BIA Bond No. on file
RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4716'GL

22. Approximate date work will start*
UPON APPROVAL

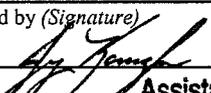
23. Estimated duration
TO BE DETERMINED

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> |
|--|---|

<p>25. Signature </p>	<p>Name (Printed/Typed) SHEILA UPCHEGO</p>	<p>Date 4/18/2007</p>
<p>Title SENIOR LAND ADMIN SPECIALIST</p>		

<p>Approved by (Signature) </p>	<p>Name (Printed/Typed) JERRY NEWCAKA</p>	<p>Date 3-13-2008</p>
<p>Title Assistant Field Manager Lands & Mineral Resources</p>		
<p>Office VERNAL FIELD OFFICE</p>		

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

Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

RECEIVED

MAR 18 2008

DIV. OF OIL, GAS & MINING

NO NOS

076XJ4004A



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

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP **Location:** Lot 1, Sec. 18, T9S, R21E
Well No: NBU 921-18D **Lease No:** UTU-0581
API No: 43-047-39255 **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

- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1500 ft. The minimum cement top is approximately 800 ft above the surface casing shoe.
 - Cmmt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.
 - COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).

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-0581

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 921-18D

9. API Well No.
4304739255

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/NW LOT, 1, SEC. 18, T9S, R21E 550'FNL, 827'FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other DOGM APD EXTENSION
	<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 OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION, SO THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING DEPARTMENT ON APRIL 26, 2007.

COPY SENT TO OPERATOR

Date: 5-16-2008
Initials: KS

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-05-08

RECEIVED
MAY 02 2008
DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)
SHEILA UPCHEGO

Signature
[Signature]

By: *[Signature]*
Title
SENIOR LAND ADMIN SPECIALIST

Date
April 22, 2008

THIS SPACE FOR FEDERAL OR STATE USE

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

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



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

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

API: 4304739255
Well Name: NBU 921-18D
Location: NW/NW LOT 1. SEC. 18, T9S, R21E
Company Permit Issued to: KERR McGEE OIL & GAS ONSHORE LP
Date Original Permit Issued: 4/26/2007

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

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

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

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

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

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

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

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

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


Signature

4/22/2008
Date

Title: SENOIR LAND ADMIN SPECIALIST

Representing: KERR-McGEE OIL & GAS ONSHORE LP

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MAY 02 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
4304739366	NBU 921-200		SWSE	20	9	21	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	10/7/2008		<i>10/27/08</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 10/7/08 AT 9:00 AM.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739255	NBU 921-18D		NWNW	18	9	21	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	10/4/2008		<i>10/27/08</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 10/4/08 AT 11:00 AM.							

Well 3

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

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Sheila Upchego

Signature

REGULATORY ANALYST

10/7/2008

Title

Date

RECEIVED

OCT 07 2008

DIV. OF OIL, GAS & MINING

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

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

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)
**550' FNL, 827' FWL
NWNW SEC.18 T9S-R21E LOT 1**

5. Lease Serial No.
UTU-0581

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

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

8. Well Name and No.
NBU 921-18D

9. API Well No.
4304739255

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other WELL SPUD

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

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 10/4/08 AT 11:00 AM.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature <i>Sheila Upchego me</i>	Date October 7, 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
OCT 08 2008
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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)
**550' FNL, 827' FWL LOT 1
 NWNW SEC.18, T9S-R21E**

5. Lease-Serial No.
UTU-0581

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

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

8. Well Name and No.
NBU 921-18D

9. API Well No.
4304739255

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 SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<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 10/4/08. DRILLED 12 1/4" SURFACE HOLE TO 2804'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/ 265 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT +/- 220 PSI LIFT TOP OUT W/ 225 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. SURFACE HOLE STAYED FULL.

WORT.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature <i>Sheila Upchego</i>	Date October 10, 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)

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OCT 14 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5. Lease Serial No.
UTU-0581

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

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

8. Well Name and No.
NBU 921-18D

9. API Well No.
4304739255

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)
**550' FNL, 827' FWL - LOT 1
NWNW, SEC.18, T9S-R21E**

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

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

FINISHED DRILLING FROM 2850' TO 10625' ON 11/5/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/265 SX PREM LITE II @11.3 PPG 3.02 YIELD. TAILED CMT W/ 200 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. BUMP PLUG 500 PSI OVER FLOATS HELD. 25 BBLS BACK TO PIT. LAND CSG TEST NIPPLE DOWN BOPE CLEAN TANKS.

RELEASED PIONEER RIG 41 ON 11/5/08 AT 2400 HRS

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature <i>Sheila Upchego</i>	Date November 7, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
	Office	

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
NOV 12 2008
DIV. OF OIL, GAS & MINING

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-0581

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. UNIT #891008900A
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP		8. Well Name and No. NBU 921-18D
3a. Address 1368 SOUTH 1200 EAST VERNAL, UTAH 84078	3b. Phone No. (include area code) 435.781.7024	9. API Well No. 4304739255
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW/NW LOT. 1, SEC. 18, T9S, R21E 550'FNL, 827'FWL		10. Field and Pool or Exploratory Area NATURAL BUTTES
		11. Country or Parish, State UINTAH COUNTY, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other PRODUCTION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	START-UP
	<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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports 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 SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 11/25/2008 AT 10:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY

RECEIVED

DEC 09 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) SHEILA UPCHEGO		Title REGULATORY ANALYST
Signature 		Date 12/08/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

Wins No.: 94963

NBU 921-18D

Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 10/04/2008	GL 4,715	KB 4733	ROUTE V54
API 4304739255	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.04178 / -109.60292		Q-Q/Sect/Town/Range: NWNW / 18 / 9S / 21E		Footages: 550.00' FNL 827.00' FWL	

Wellbore: NBU 921-18D

MTD	TVD	PBMD	PBTVD	AFE NO.:				
EVENT INFORMATION: EVENT ACTIVITY: DRILLING		START DATE: 10/3/2008		AFE NO.: 2011050				
OBJECTIVE: DEVELOPMENT		END DATE: 11/5/2008						
OBJECTIVE 2: VERTICAL WELL		DATE WELL STARTED PROD.:						
REASON: MV		Event End Status: SUSPENDED						
RIG OPERATIONS:								
Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling				
10/04/2008	10/04/2008	10/04/2008	10/04/2008	10/09/2008				
Rig Release	Rig Off Location							
10/09/2008	10/09/2008							
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	MD:
10/4/2008	21:00 - 0:00	3.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 2100 HR 10/4/08 DA AT REPORT TIME 360'	378
10/5/2008	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER HIT WATER ZONE @ 1050' DA AT REPORT TIME	1,318
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1890'	
10/6/2008	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1710' WELL CIRCULATING TO PIT	1,938
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1920' WELL CIRCULATING TO PIT	
10/7/2008	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010'	2,368
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2340' WELL CIRCULATING TO PIT	
10/8/2008	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2550'	2,868
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG T/D @ 2850' CONDITION HOLE @ REPORT TIME RUN SURVEY .7 DEG WELL CIRCULATING TO PIT	
10/9/2008	0:00 - 5:00	5.00	DRLSUR	05		P	TRIP DP OUT OF HOLE	2,868
	5:00 - 11:30	6.50	DRLSUR	11		P	RUN 2804' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG	
	11:30 - 13:00	1.50	DRLSUR	15		P	CEMENT 1ST STAGE WITH 265 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRU OUT JOB + - 20 BBL LEAD CMT TO PIT	

13:00 - 13:30 0.50 DRLSUR 15 P 1ST TOP JOB 225 SKS DOWN BS GOOD CMT TO SURFACE AND FELL BACK 20' WILL READY MIX TO SURFACE

13:30 - 13:30 0.00 DRLSUR NO VISIBLE LEAKS PIT 75% FULL TRACE OIL WORT

MD: 2,868

10/21/2008 SUPERVISOR: JIM MURRAY

6:00 - 18:00 12.00 DRLPRO 01 E P RDRT ,MOVE TRAILERS,SET OUT FRONT END ,TRANSFER MUD,LOWER DERRICK @ 15:00 HRS,2 BED TRUCKS 1HAUL TRUCK,1FORKLIFT

18:00 - 0:00 6.00 DRLPRO 12 D P SFTN MAN HRS =60

MD: 2,868

10/22/2008 SUPERVISOR: JIM MURRAY

0:00 - 7:00 7.00 DRLPRO 12 D P WAIT ON DAYLITE

7:00 - 13:00 6.00 DRLPRO 01 A P RD ON NBU 921-16MT,W/ 4 HAUL TRUCKS,5 BED TRUCKS.1 FORKLIFT 1 CRANE ALL ON LOC @ 0700HRS,LOCATION CLEARED @ 1300 HRS,

13:00 - 0:00 11.00 DRLPRO 01 B P SET MATS @ 1330 HRS SUB,DWKS, PITS ,PUMPS,GEN HOUSE,WATER TANK,PIN DERRICK ON FLOOR,RAISE A-LEGS,SET DOGHOUSE TRUSKS GONE @ 1900,CRANE @ 2000 HRS 100% MOVED 60% RIGGED UP TOTAL MAN HRS=246

MD: 2,868

10/23/2008 SUPERVISOR: JIM MURRAY

DRLPRO 05 A P SM RU WEATHERFORD TRS PICK UP BHA

0:00 - 12:00 12.00 DRLPRO 01 B P RIG UP ELECTIC,AIR,WATER LINES ,GAS BUSTER,FLARE LINES,PUT DRLG LINE ON DRUM,UN HANG BLOCKS,LIFT DERRICK OFF STAND INSPECT & LET STAND FOR 30 MIN,DERRICK UP @ 08:15 HRS,RIG UP FLOOR,PU SWIVEL & KELLY

12:00 - 15:30 3.50 DRLPRO 13 A P NIPPLE UP BOPE, RIG ACCEPTED ON DAYWORK @ 12:00 10/23/2008

15:30 - 23:30 8.00 DRLPRO 13 C P TEST BLIND, PIPE RAMS,KELLY,CHOKE LINE & ALL VAVES TO 5000# HI,250# LO, ANNULAR 2500#,CSG 1500# CHANGE OUT OUT SIDE KILL LINE VALVE, WITNESSED BY DONNA KENNY BLM

23:30 - 0:00 0.50 DRLPRO 05 A P SM PU BHA

MD: 3,893

10/24/2008 SUPERVISOR: JIM MURRAY

0:00 - 4:00 4.00 DRLPRO 05 A P PU BHA & 62 JTS DP,RD SAME

4:00 - 5:30 1.50 DRLPRO 13 B P INSTALL ROTATING HEAD & DRIVE BUSHING

5:30 - 7:00 1.50 DRLPRO 02 F P DRILL CMT FLOAT & SHOE

7:00 - 7:30 0.50 DRLPRO 09 A P WL SURVEY .83 DEG @ 2790'

7:30 - 9:00 1.50 DRLPRO 02 B P DRILLING 2668-2978, ROTARY SPUD @ 0730 HRS 10/24/2008

9:00 - 9:30 0.50 DRLPRO 06 A P RIG SERVICE

9:30 - 18:00 8.50 DRLPRO 02 B P DRILLING 2978-3516=538=63.2 MW 10.0 SHALLOW GAS @ 3052' RAISE MW TO 10.0 #

18:00 - 19:00 1.00 DRLPRO 07 B S RIG REPAIR WORK ON PUMPS

19:00 - 0:00 5.00 DRLPRO 02 B P DRILLING 3516-3893=377=75.4 MW 10.1

Wins No.: 94963

NBU 921-18D

API No.: 4304739255

Date	Time	Duration	Activity	Rate	Code	Unit	Notes	MD
10/25/2008	19:00 - 0:00	5.00	DRLPRO	02	B	P	DRILLING 3516-3893=377=75.4 MW 10.1	5,180
	<u>SUPERVISOR: JIM MURRAY</u>							
	0:00 - 0:30	0.50	DRLPRO	09	A	P	WL SURVEY 1.43 DEG @ 3819	
	0:30 - 15:30	15.00	DRLPRO	02	B	P	DRILLING 3893-4782=885=59.2 MW 10.3	
	15:30 - 16:00	0.50	DRLPRO	06	A	P	RIG SERVICE	
	16:00 - 18:00	2.00	DRLPRO	02	B	P	DRILLING 4782-4877=47.5	
	18:00 - 18:30	0.50	DRLPRO	09	A	P	WL SURVEY 1.48 DEG @4802	
18:30 - 0:00	5.50	DRLPRO	02	B	P	DRILLING 4877-5187=310=56.3 MW 10.4	6,300	
10/26/2008	<u>SUPERVISOR: JIM MURRAY</u>							
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILLING 5180-5889=709=49.8 MW 10.4	
	14:30 - 15:00	0.50	DRLPRO	09	A	P	SURVEY 1.40 DEG @ 5814'	
	15:00 - 16:30	1.50	DRLPRO	02	B	P	DRILLING 5889-5954=65=43.3 10.4	
	16:30 - 17:00	0.50	DRLPRO	06	A	P	RIG SERVICE	
	17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILLING 5954-6300=49.4 MW 10.5	7,147
10/27/2008	<u>SUPERVISOR: JIM MURRAY</u>							
	0:00 - 13:30	13.50	DRLPRO	02	B	P	DRILLING 6300-6807=507=37.5 MW 10.7	
	13:30 - 14:00	0.50	DRLPRO	06	A	P	RIG SERVICE	
	14:00 - 0:00	10.00	DRLPRO	02	B	P	DRILLING 6807-7147=340=34 MW 10.7	7,663
10/28/2008	<u>SUPERVISOR: JIM MURRAY</u>							
	0:00 - 3:00	3.00	DRLPRO	02	A	P	DRILLING 7147-7218=71=23.6 MW 10.7	
	3:00 - 3:30	0.50	DRLPRO	04	C	P	CBU,MIX SLUG	
	3:30 - 8:30	5.00	DRLPRO	05	A	P	TOH WORK THRU TIGHT SPOTS @4890 ,4775 4070',3850' LD IBS'S	
	8:30 - 11:30	3.00	DRLPRO	05	A	P	CHANGE OUT BIT & M MTR, TIH BREAK CIRC @2800', CIH HOLE GOOD	
	11:30 - 12:00	0.50	DRLPRO	03	D	P	WASH 45' TO BTM 2' FILL	
	12:00 - 16:30	4.50	DRLPRO	02	B	P	DRILLING 7218-7965=147=32.6 MW 10.8	
	16:30 - 17:00	0.50	DRLPRO	06	A	P	RIG SERVICE	
17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILLING 7365-7668=303=43.2 MW 10.8	8,372	
10/29/2008	<u>SUPERVISOR: RON SJOSTROM</u>							
	0:00 - 15:00	15.00	DRLPRO	02	B	P	DRILLING 7663-8157 = 494' = 32.9 FPH, MW 11.1#	
	15:00 - 15:30	0.50	DRLPRO	06	A	P	RIG SERVICE	
	15:30 - 20:30	5.00	DRLPRO	02	B	P	DRILLING 8157-8304 = 147' = 29.4 FPH, MW 11.2#	

Wins No.: 94963

NBU 921-18D

API No.: 4304739255

20:30 - 21:00	0.50	DRLPRO	07	B	Z	RIG REPAIR-MP #1 VALVE & SEAT
21:00 - 23:30	2.50	DRLPRO	02	B	P	DRILLING 8304-8372 = 68' = 27.2 FPH, MW 11.3#
23:30 - 0:00	0.50	DRLPRO	07	B	Z	RIG REPAIR-MP #1 PISTON

MD: 8,940

10/30/2008

SUPERVISOR: RON SJOSTROM

0:00 - 1:00	1.00	DRLPRO	07	B	Z	RIG REPAIR-MP #1 PISTON
1:00 - 15:30	14.50	DRLPRO	02	B	P	DRILLING 8372-8758 = 386' = 26.6 FPH, MW 11.3#
15:30 - 16:00	0.50	DRLPRO	06	A	P	RIG SERVICE
16:00 - 0:00	8.00	DRLPRO	02	B	P	DRILLING 8758-8940 = 182' = 22.8 FPH, MW 11.5#

MD: 9,166

10/31/2008

SUPERVISOR: RON SJOSTROM

0:00 - 13:00	13.00	DRLPRO	02	B	P	DRILL 8940-9166 = 226' = 17.4 FPH, MW 11.5#
13:00 - 14:00	1.00	DRLPRO	04	C	P	CIRCULATE B/U PRIOR TO TRIP TO CHECK FOR GAS
14:00 - 17:30	3.50	DRLPRO	04	B	X	CIRCULATE AND RAISE MW TO 12.0# TO CONTROL BG GAS PRIOR TO TRIP
17:30 - 18:00	0.50	DRLPRO	06	A	P	RIG SERVICE
18:00 - 23:00	5.00	DRLPRO	05	A	P	TRIP OUT BIT #2, L/D JARS
23:00 - 0:00	1.00	DRLPRO	05	A	P	M/U BIT #3, TRIP IN

MD: 9,435

11/1/2008

SUPERVISOR: RON SJOSTROM

0:00 - 0:30	0.50	DRLPRO	05	A	P	TRIP IN HOLE TO SHOE
0:30 - 2:30	2.00	DRLPRO	06	D	P	SLIP & CUT DRILLING LINE
2:30 - 6:00	3.50	DRLPRO	05	A	P	TRIP IN HOLE, PASS BRIDGE @ 5050, TRIP IN TO 9090'
6:00 - 6:30	0.50	DRLPRO	03	E	P	WASH & REAM TO 9166 TD
6:30 - 10:30	4.00	DRLPRO	02	B	P	DRILL 9166-9202 = 36' = 9 FPH, MW 12.0# (RESTART BIT SEVERAL TIMES)
10:30 - 11:00	0.50	DRLPRO	06	A	P	RIG SERVICE
11:00 - 0:00	13.00	DRLPRO	02	B	P	DRILL 9202-9435 = 233' = 17.9 FPH, MW 12.2#

MD: 10,089

11/2/2008

SUPERVISOR: RON SJOSTROM

0:00 - 16:00	17.00	DRLPRO	02	B	P	DRILLING 9435-9866 = 431' = 25.4 FPH, MW 12.2#
16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SERVICE
16:30 - 0:00	7.50	DRLPRO	02	B	P	DRILLING 9866-10089 = 223' = 29.7 FPH, MW 12.2#

MD: 10,418

11/3/2008

SUPERVISOR: RON SJOSTROM

0:00 - 6:00	6.00	DRLPRO	02	B	P	DRILLING 10089-10182 = 93' = 15.5 FPH, MW 12.2#
6:00 - 8:00	2.00	DRLPRO	04	C	P	CIRCULATE & CONDITION PRIOR TO BIT TRIP

	8:00 - 12:00	4.00	DRLPRO	05	A	P	TRIP OUT WITH BIT #3, WORK THROUGH TIGHT SPOTS 9270, 9230, 6510, 5000
	12:00 - 18:00	6.00	DRLPRO	05	A	P	CHANGE MUD MOTORS, MU BIT #4, TRIP IN HOLE, PASS BRIDGES @ 5000 & 6510
	18:00 - 18:30	0.50	DRLPRO	03	E	P	PRECAUTIONARY WASH & REAM 60' TO TD
	18:30 - 0:00	5.50	DRLPRO	02	B	P	DRILLING 10182-10418 = 236' = 42.9 FPH, MW 12.4#

MD: 10,625

11/4/2008	<u>SUPERVISOR: RON SJOSTROM</u>						
	0:00 - 6:00	6.00	DRLPRO	02	B	P	DRILLING 10418-10625 = 207' = 34.5 FPH, MW 12.4#
	6:00 - 7:30	1.50	DRLPRO	04	C	P	CIRCULATE & CONDITION PRIOR TO WIPER TRIP
	7:30 - 11:00	3.50	DRLPRO	05	E	P	WIPER TRIP TO 6500, WORK THROUGH LEDGE 6550-6500, CLEAN OUT BRIDGE, TRIP IN HOLE TO TD
	11:00 - 12:30	1.50	DRLPRO	04	C	P	CIRCULATE & CONDITION PRIOR TO TRIP OUT
	12:30 - 14:00	1.50	DRLPRO	05	A	P	LAY DOWN DRILL PIPE
	14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE
	14:30 - 23:00	8.50	DRLPRO	05	A	P	LAY DOWN TUBULARS, SOFT BREAK KELLY
	23:00 - 0:00	1.00	DRLPRO	08	A	P	R/U HALLIBURTON LOGGING, RU TRIPLE COMBO E-LOGS

MD: 10,625

11/5/2008	<u>SUPERVISOR: RON SJOSTROM</u>						
	0:00 - 5:00	5.00	DRLPRO	08	A	P	RUN TRIPLE COMBO E-LOGS TO 10636, R/D LOGGING TOOLS
	5:00 - 14:00	9.00	DRLPRO	11	B	P	R/U TESCO, RUN 250 JTS 4-1/2" P-110, 10603'
	14:00 - 16:00	2.00	DRLPRO	04	E	P	CIRCULATE & CONDITION MUD FOR CEMENT JOB
	16:00 - 19:00	3.00	DRLPRO	15	A	P	CEMENT PRODUCTION CASING W/20SX SCAVENGER 9.5#, 465SX LEAD 12.2#, 1470 SX TAIL 14.3#, DISPLACE WITH 142 BBL MAGNACIDE CLAYFIX, BUMP PLUG, FLOATS HELD, 25BBL SCAVENGER TO PIT
	19:00 - 20:00	1.00	DRLPRO	11	B	P	INSTALL CASING HANGER SEALS & TEST
	20:00 - 0:00	4.00	DRLPRO	13	A	P	CLEAN MUD PITS, RELEASE RIG TO NBU 921-20 @ 2400 HRS 11/5/08

Wins No.: 94963

NBU 921-18D

API No.: 4304739255

EVENT INFORMATION:	EVENT ACTIVITY: COMPLETION	START DATE: 11/17/2008	AFF NO.: 2011050
	OBJECTIVE: DEVELOPMENT	END DATE:	
	OBJECTIVE 2:	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
		11/17/2008					11/20/2008

MILES 2 / 2

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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11/17/2008	SUPERVISOR: GARTH McCONKIE						
	7:00 - 7:15	0.25	COMP	48		P	DAY 1 - JSA & SM #1
	7:15 - 17:30	10.25	COMP	30	A	P	ROAD RIG FROM NBU 921-14B TO NBU 921-18D. MIRU. SPOT EQUIP. RIG UP FLOOR & TBG EQUIP. PREP & TALLY 2 3/8" TBG.
							PU 3 7/8" MILL & BIT SUB. RIH ON 234 JTS NEW 2 3/8" 4.7# L80 TBG. TAG FILL @ 10559'. C/O 21' OF FILL. DRLG OUT FLOAT COLLAR @ 10,581'. DRLG OUT 11' CMT BELOW FLOAT COLLAR. EOT @ 10,592'. CIRC WELL CLEAN W/120 BBLS TRTD WTR.
							POOH W/TBG, LD 28 JTS ON FLOAT. CONT. POOH W/TBG & STD BK IN DRK. EOT @ 8763'.
							17:30 SWI - SDFN. PREP WELL TO CONT. TO POOH W/TBG TO FRAC IN AM.

MD:

11/18/2008	SUPERVISOR: GARTH McCONKIE						
	7:00 - 7:15	0.25	COMP	48		P	DAY 2 - JSA & SM #2
	7:15 - 8:30	1.25	COMP	31	I	P	WHP = 0 PSI. EOT @ 8763'. POOH W/TBG & STD BK IN DRK. L/D MILL & BIT SUB. RD FLOOR & TBG EQUIP. NDBOP, NU FRAC VALVES.
	8:30 - 9:00	0.50	COMP	33	C	P	MIRU B & C QUICK TEST. PT CSG & FRAC VALVES TO 7500 PSI. (GOOD TEST). RDMO B & C QUICK TEST.
							MIRU CUTTERS WIRELINE & WEATHERFORD PUMPING SERVICES.
	10:30 - 11:30	1.00	COMP	37	B	P	STG #1) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 DEG. PHSG. PERF M.V. @ 10566' - 70', 4 SPF, 10510' - 16', 4 SPF, 40 HOLES. POOH W/TOOLS.
	11:30 - 13:30	2.00	COMP	36	E	P	HOLD WEATHERFORD JSA. P/T SURFACE EQUIP. TO 8500 PSI. STG #1) WHP = 130 PSI. BRK DWN PERF 4.5 BPM @ 4569 PSI. ISIP = 2782 PSI. FG = 0.71. PMP 163 BBLS SLK WTR W/10/1000 SCALE INHIB. PMP 145 BBLS @ 51.2 BPM @ 5400 PSI, 27/40 PERFS OPEN - 68%.
							MP 5900 PSI, MR 54.5 BPM, AP 5352 PSI, AR 51.1 BPM, ISIP = 3603 PSI, FG = 0.78, NPI = 821 PSI, PMPD 2485 BBLS SLK WTR, 79,565 LBS OTTOWA SND, 4,609 LBS TLC, 84,174 LBS TOTAL SND. 239 GAL SCALE INHIB., 53 GAL BIOCIDE.
	13:30 - 15:55	2.42	COMP	37	B	P	STG #2) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 DEG. PHSG. SET BAKER 8K CBP @ 10,453', CBP DID NOT SET. POOH W/TOOLS. CHANGE FIRING HEAD & CBP. RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 DEG. PHSG. SET BAKER 8K CBP @ 10,453', PERF M.V. @ 10403' - 05', 4 SPF, 10366' - 70', 4 SPF, 10330' - 34', 4 SPF, 40 HOLES. POOH W/TOOLS.
	15:55 - 17:05	1.17	COMP	36	E	P	STG #2) WHP = 277 PSI. BRK DWN PERF 4.5 BPM @ 6644 PSI. ISIP = 3306 PSI. FG = 0.74. PMP 140 BBLS @ 50.4 BPM @ 5358 PSI, 30/40 PERFS OPEN - 78%.
							MP 6689 PSI, MR 52.7 BPM, AP 5121 PSI, AR 50.1 BPM, ISIP = 3306 PSI, FG = 0.76, NPI = 238 PSI, PMPD 2228 BBLS SLK WTR, 81,339 LBS OTTOWA SND, 5,128 LBS TLC, 81,340 LBS TOTAL SND. 158 GAL SCALE INHIB., 45 GAL BIOCIDE.
	17:05 - 18:04	0.98	COMP	37	B	P	STG #3) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 & 120 DEG. PHSG. SET BAKER 8K CBP @ 10230', PERF M.V. @ 10196' - 200', 4 SPF, 10110' - 14', 4 SPF, 10044' - 48', 4 SPF, 40 HOLES. POOH W/TOOLS.

18:04 - 19:50	1.77	COMP	36	E		STG #3) WHP = 0 PSI. BRK DWN PERF 5.0 BPM @ 5362 PSI. ISIP = 2755 PSI. FG = 0.72. PMP 180 BBLS @ 53.4 BPM @ 6500 PSI, 25/40 PERFS OPEN - 60%. 3390 BBLS PMPD - CUT OTTOWA SND. START TLC SND. 3451 BBLS START FLUSH. 3509 BBLS SCREENED OUT 7500 PSI. (101,570 LBS OTTOWA SND IN PERFS. NO TLC PLACED IN PERFS). FLOW BACK WELL TO CLEAN UP SND. REFLUSH WELL @ 10 BPM. MP 6774 PSI, MR 54.2 BPM, AP 6340 PSI, AR 53.5 BPM, ISIP = 3536 PSI, FG = 0.79, NPI = 781 PSI, PMPD 3403 BBLS SLK WTR, 103,091 LBS OTTOWA SND, 6,626 LBS TLC, 109,717 LBS TOTAL SND. 294 GAL SCALE INHIB., 74 GAL BIOCID.
19:50 - 20:00	0.17	COMP				20:00 SWI - SDFN. PREP WELL TO CONT. TO PERF & FRAC STGS 4 - 7 IN AM.

MD:

11/19/2008	SUPERVISOR: GARTH McCONKIE					
7:45 - 8:00	0.25	COMP	48		P	DAY 3 - JSA & SM #3
8:00 - 9:00	1.00	COMP	37	B	P	WHP = 0000 PSI. STG #4) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 DEG. PHSG. SET BAKER 8K CBP @ 9950', PERF M.V. @ 9912' - 14', 4 SPF, 9822' - 26', 4 SPF, 9804' - 08', 4 SPF, 40 HOLES. POOH W/TOOLS.
9:00 - 10:40	1.67	COMP	36	E	P	STG #4) WHP = 305 PSI. BRK DWN PERF 6.6 BPM @ 5186 PSI. ISIP = 3187 PSI. FG = 0.77. PMP 110 BBLS @ 50 BPM @ 5721 PSI, 23/40 PERFS OPEN - 58%. MP 6575 PSI, MR 53.2 BPM, AP 5881 PSI, AR 51.1 BPM, ISIP = 3183 PSI, FG = 0.77, NPI = (-4) PSI, PMPD 913 BBLS SLK WTR, 25,594 LBS OTTOWA SND, 4,771 LBS TLC, 30,365 LBS TOTAL SND. 95 GAL SCALE INHIB., 19 GAL BIOCID.
10:40 - 11:42	1.03	COMP	37	B	P	STG #5) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 DEG. PHSG. SET BAKER 8K CBP @ 9739', PERF M.V. @ 9700' - 06', 4 SPF, 9584' - 86', 4 SPF, 9500' - 02', 4 SPF, 40 HOLES. POOH W/TOOLS.
11:42 - 12:50	1.13	COMP	36	E	P	STG #5) WHP = 0 PSI. BRK DWN PERF 6.0 BPM @ 5639 PSI. ISIP = 2943 PSI. FG = 0.75. PMP 300 BBLS @ 50.6 BPM @ 5062 PSI, 28/40 PERFS OPEN - 71%. MP 6693 PSI, MR 52.4 BPM, AP 5067 PSI, AR 50.6 BPM, ISIP = 3185 PSI, FG = 0.77, NPI = 242 PSI, PMPD 2590 BBLS SLK WTR, 95,309 LBS OTTOWA SND, 5,660 LBS TLC, 100,969 LBS TOTAL SND. 158 GAL SCALE INHIB., 45 GAL BIOCID.
12:50 - 13:43	0.88	COMP	37	B	P	STG #6) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 DEG. PHSG. SET BAKER 8K CBP @ 9416', PERF M.V. @ 9380' - 86', 4 SPF, 9356' - 60', 4 SPF, 40 HOLES. POOH W/TOOLS.
13:43 - 14:26	0.72	COMP	36	E	P	STG #6) WHP = 0 PSI. BRK DWN PERF 4.7 BPM @ 5601 PSI. ISIP = 2452 PSI. FG = 0.70. PMP 170 BBLS @ 50 BPM @ 5036 PSI, 24/40 PERFS OPEN - 61%. MP 5491 PSI, MR 59.3 BPM, AP 4953 PSI, AR 52.3 BPM, ISIP = 3248 PSI, FG = 0.79, NPI = 796 PSI, PMPD 1527 BBLS SLK WTR, 62,000 LBS OTTOWA SND, 3,558 LBS TLC, 65,558 LBS TOTAL SND. 121 GAL SCALE INHIB., 31 GAL BIOCID.
14:26 - 15:17	0.85	COMP	37	B	P	STG #7) RIH W/3 3/8" EXP GNS, 23 GRM, 0.36 HOLES, 90 DEG. PHSG. SET BAKER 8K CBP @ 9160', PERF M.V. @ 9120' - 30', 4 SPF, 40 HOLES. POOH W/TOOLS.
15:17 - 16:05	0.80	COMP	36	E	P	STG #7) WHP = 0 PSI. BRK DWN PERF 3.0 BPM @ 3193 PSI. ISIP = 2462 PSI. FG = 0.71. PMP 175 BBLS @ 50.6 BPM @ 4962 PSI, 24/40 PERFS OPEN - 60%. MP 5770 PSI, MR 51.1 BPM, AP 5018 PSI, AR 50.6 BPM, ISIP = 3278 PSI, FG = 0.80, NPI = 766 PSI, PMPD 947 BBLS SLK WTR, 34,108 LBS OTTOWA SND, 3,709 LBS TLC, 37,817 LBS TOTAL SND. 37 GAL SCALE INHIB., 19 GAL BIOCID.
16:05 - 16:05	0.00	COMP	34	I	P	KILL PLUG) RIH W/BAKER 8K CBP & SET @ 9070'. POOH W/TOOLS. RDMO CUTTERS WIRELINE & WEATHERFORD PUMPING SERVICE
						17:30 - SWI - SDFN. PREP WELL TO DRLG CBP's IN AM.

MD:

11/20/2008	SUPERVISOR: GARTH McCONKIE					
7:00 - 7:15	0.25	COMP	48		P	DAY 4 - JSA & SM #4

Wins No.: 94963

NBU 921-18D

API No.: 4304739255

7:15 - 7:15 0.00 COMP 31 I P

WHP = 0 PSI. R/D FLOOR. N/D FRAC VALVES, NU BOP. R/U FLOOR & TBG EQUIP. P/U 3 7/8" BIT, POBS & XN NIPPLE. RIH ON NEW 2 3/8" 4.7# L80 TBG. TAG CBP @ 9070'. R/U PWR SWVL & PMP. EST CIRC W/TREATED WTR P/T BOP TO 3000 PSI.

CBP #1) DRLG OUT BAKER 8K CBP @ 9070' IN 10 MIN. 1300 PSI DIFF. RIH TAG SND @ 9130'. C/O 30' OF SND. FCP = 425 PSI.

CBP #2) DRLG OUT BAKER 8K CBP @ 9160' IN 20 MIN. 1200 PSI DIFF. RIH TAG SND @ 9386'. C/O 30' OF SND. FCP = 425 PSI.

CBP #3) DRLG OUT BAKER 8K CBP @ 9416' IN 15 MIN. 1500 PSI DIFF. RIH TAG SND @ 9709'. C/O 30' OF SND. FCP = 425 PSI.

CBP #4) DRLG OUT BAKER 8K CBP @ 9739' IN 10 MIN. 400 PSI DIFF. RIH TAG SND @ 9930'. C/O 20' OF SND. FCP = 350 PSI.

CBP #5) DRLG OUT BAKER 8K CBP @ 9950' IN 10 MIN. 300 PSI DIFF. RIH TAG SND @ 10200'. C/O 30' OF SND. FCP = 450 PSI.

CBP #6) DRLG OUT BAKER 8K CBP @ 10230' IN 30 MIN. 400 PSI DIFF. RIH TAG SND @ 10405'. C/O 30' OF SND. FCP = 450 PSI.

CBP #7) DRLG OUT BAKER 8K CBP @ 10435' IN 30 MIN. 100 PSI DIFF. RIH TAG SND @ 10562'. C/O 30' OF SND. PBTD @ 10592'. FCP = 450 PSI. CIRC WELL CLEAN.

R/D PWR SWVL, R/U TBG EQUIP. POOH & L/D 10 JTS TBG. (16 JTS TOTAL ON FLOAT) LAND TBG ON HANGER W/324 JTS NEW 2 3/8" 4.7# L80 TBG. EOT @ 10293.79'. XN NIPPLE @ 10291.59'.

R/D FLOOR & TBG EQUIP. N/D BOP, DROP BALL, NUWH. PMP OFF BIT @ 3400 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. OPEN WELL TO F.B.T. ON 20 CHOKE. FTP = 00 PSI., SICP = 2400 PSI.

16:00 TURN WELL OVER TO F.B.C.
LTR = 11,673 BBLS

11/21/2008	SUPERVISOR: GARTH McCONKIE	MD:
11/22/2008	SUPERVISOR: GARTH McCONKIE	MD:
11/23/2008	SUPERVISOR: GARTH McCONKIE	MD:
11/24/2008	SUPERVISOR: GARTH McCONKIE	MD:
11/25/2008	SUPERVISOR: JESSICA GIBSON 10:30 - PROD	MD: WELL TURNED TO SALES @ 1030 HR ON 11/25/08 - FTP 300#, CP 3500#, CK 16/64", 750 MCFD, 1200 BWPD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-0581

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

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

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

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

8. Lease Name and Well No.
NBU 921-18D

3. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

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

9. AFI Well No.
4304739255

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

At surface NW/NW LOT. 1, 550'FNL, 827'FWL

10. Field and Pool or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., on Block and
Survey or Area SEC. 18, T9S, R21E

At top prod. interval reported below

12. County or Parish
UINTAH, COUNTY

13. State
UT

At total depth

14. Date Spudded
10/04/2008

15. Date T.D. Reached
11/04/2008

16. Date Completed 11/25/2008
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
4716'GL

18. Total Depth: MD 10,625'
TVD

19. Plug Back T.D.: MD 10,592'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL-CCL-GR, SD, DSN, ACTR.

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14" STEEL	36.7#		40'		28 SX			
12 1/4"	9 5/8" J-55	36#		2850'		690 SX			
7 7/8"	4 1/2 I-80	11.6#		10,625'		1935 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	10,294'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	9120'	10,370'	9120'-10,370'	0.36	280	OPEN
B) WSMVD						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9120'-10,370'	PMP 14,093 BBLs SLICK H2O & 509,940# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/25/08	11/29/08	24	→	0	2215	10			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
16/64	315#	3441#	→	0	2215	10		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	Gas/Oil Ratio	Well Status	
			→						

RECEIVED

JAN 05 2009

*(See instructions and spaces for additional data on page 2)

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 (Solid, 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	1729'				
MAHOGANY	2515'				
WASATCH	5160'	8292'			
MESAVERDE	8324'	10,599'			

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

34. 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 12/30/2008

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0581
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 921-18D
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047392550000
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: 0550 FNL 0827 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 18 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/25/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input 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 REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH AND MESAVERDE FORMATION. THE OPERATOR REQUESTS TO COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATION. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

Accepted by the Utah Division of Oil, Gas and Mining

Date: June 25, 2009

By: *Don K. [Signature]*

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 6/19/2009



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047392550000

In accordance with Board Cause No. 173-14 commingling the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

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

Date: June 25, 2009
By: *Darko Gunt*

Name: NBU 921-18D
Location: NWNW Sec. 18 T9S R21E
Uintah County, UT
Date: 6/5/09

ELEVATIONS: 4716 GL 4734 KB

TOTAL DEPTH: 10625 **PBTD:** 10581
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2822'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 10625'
 Marker Joint **5099-5120'**

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:

1729' Green River
 2000' Birds Nest
 2515' Mahogany
 5160' Wasatch
 8324' Mesaverde

CBL indicates good cement below 900'

GENERAL:

- A minimum of **20** 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 Halliburtons Induction-Density-Neutron log dated 11/4/2008
- **9** fracturing stages required for coverage.
- Procedure calls for **10** 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).
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**

- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- 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 @~10294
- Originally completed on 11/18/2008

Existing Perforations:

PERFORATIONS						
Formation	Zone	Top	Btm	spf	Shots	Date
MESA VERDE		9120	9130	4	40	11/17/2008
MESA VERDE		9356	9360	4	16	11/17/2008
MESA VERDE		9380	9386	4	24	11/17/2008
MESA VERDE		9500	9502	4	8	11/17/2008
MESA VERDE		9584	9586	4	8	11/17/2008
MESA VERDE		9700	9706	4	24	11/17/2008
MESA VERDE		9804	9808	4	16	11/17/2008
MESA VERDE		9822	9826	4	16	11/17/2008
MESA VERDE		9912	9914	4	8	11/17/2008
MESA VERDE		10044	10048	3	12	11/17/2008
MESA VERDE		10110	10114	3	12	11/17/2008
MESA VERDE		10196	10200	4	16	11/17/2008
MESA VERDE		10330	10334	4	16	11/17/2008
MESA VERDE		10366	10370	4	16	11/17/2008
MESA VERDE		10403	10405	4	8	11/17/2008
MESA VERDE		10510	10516	4	24	11/17/2008
MESA VERDE		10566	10570	4	16	11/17/2008

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 ~8870'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 8960' (50' below proposed CBP). Otherwise P/U a mill and C/O to 8960' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 8910'. 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	8682	8684	3	6
MESAVERDE	8736	8740	3	12
MESAVERDE	8796	8798	3	6
MESAVERDE	8824	8826	4	8
MESAVERDE	8878	8880	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 ~8682' and trickle 250gal 15%HCL w/ scale inhibitor in flush . Note: TIGHT SPACING - OVERFLUSH BY 5 BBL.

7. Set 8000 psi CBP at ~8656'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8470	8474	3	12
MESAVERDE	8516	8518	3	6
MESAVERDE	8572	8576	4	16
MESAVERDE	8624	8626	4	8

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8470' and trickle 250gal 15%HCL w/ scale inhibitor in flush. NOTE: TIGHT SPACING - OVERFLUSH BY 5 BBL

9. Set 8000 psi CBP at ~8428'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	8336	8340	4	16
MESAVERDE	8360	8364	4	16
MESAVERDE	8396	8398	4	8

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~8296' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~8216'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	8071	8073	4	8
WASATCH	8106	8110	3	12
WASATCH	8180	8186	3	18

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~8071' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~7432'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7182	7186	4	16
WASATCH	7396	7402	4	24

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7182' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~6886'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6846	6856	4	40

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6846' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~6540'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6488	6492	4	16
WASATCH	6504	6510	4	24

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~6488' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

19. Set 8000 psi CBP at ~6154'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6114	6124	4	40

20. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 8 on attached listing. Under-displace to ~6114' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

21. Set 8000 psi CBP at ~5890'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5850	5860	4	40

22. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 9 on attached listing. Under-displace to ~5850' and flush only with recycled water.

23. Set 8000 psi CBP at~5820'.

24. TIH with 3 7/8" mill, pump off sub, SN and tubing.

25. Mill ALL plugs and clean out to PBSD at 10581'. Land tubing at ±10294' pump off bit and bit sub. This well WILL be commingled at this time.

26. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

27. 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:

Note: Tight spacing on stages 1,2

Fracturing Schedules
Name: NEU/52-16D
Slackwater Frac

Recompleter? Y
Pad? N

Sealing Type: G
Production Line: G
OFF: G

Enter: Number of wellboring days base for recompleter
from 1 to working in Production Log
Enter: Number of OFFs

Stage	Zone	Perfs		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	MEBAVERDE	8822	8824	3	12	Varied			Pump-in test	0	0	0	0							56	
				3	12	0	ESP and 5 min ESP			Slackwater	8,588	8,588	204	204	18.0%	0.0%	0	0			24
				3	6	50	Slackwater Pad			Slackwater	16,221	24,808	389	591	26.3%	19.4%	12,166	12,166			0
				4	8	50	Slackwater Ramp	0.25	1.25	Slackwater	0	24,808	0	591	0.0%	0.0%	0	0			0
				4	8	50	Slackwater Ramp	1.25	1.5	Slackwater	16,221	41,029	389	977	26.3%	35.6%	22,304	34,469			24
				4	8	50	Slackwater Ramp	0.5	1.5	Slackwater	0	41,029	0	977	0.0%	0.0%	0	0			0
				4	8	50	Slackwater Ramp	0.5	1.5	Slackwater	0	41,029	0	977	0.0%	0.0%	0	0			0
				4	8	50	Slackwater Ramp	1.5	2	Slackwater	16,221	57,250	388	1,363	26.3%	45.7%	28,386	62,856			0
				4	8	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	5,660	62,910	132	1,498				62,956			56
				4	8	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	62,910	0	0				62,956			187
										Sand laden volume 57,250											
										Flush depth 6882 gal/m d h 25,000 CBP depth 6,866 lbs sand/m d h 27,448											
										# of Perforations 30											
2	MEBAVERDE	8824	8826	3	12	Varied			Pump-in test	0	0	0	0							20	
				3	12	0	ESP and 5 min ESP			Slackwater	6,713	6,713	160	160	18.0%	0.0%	0	0			0
				4	16	50	Slackwater Pad			Slackwater	12,079	19,392	302	462	26.3%	19.4%	9,509	9,509			19
				4	16	50	Slackwater Ramp	0.25	1.25	Slackwater	0	19,392	0	462	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	1.25	1.5	Slackwater	12,079	32,071	302	764	26.3%	35.6%	17,454	26,943			19
				4	16	50	Slackwater Ramp	0.5	1.5	Slackwater	0	32,071	0	764	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	0.5	1.5	Slackwater	0	32,071	0	764	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	1.5	2	Slackwater	12,079	44,750	302	1,065	26.3%	45.7%	22,189	49,132			0
				4	16	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	5,506	50,276	132	1,197				49,132			55
				4	16	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	50,276	0	0				49,132			113
										Flush depth 6470 gal/m d h 25,000 CBP depth 6,426 lbs sand/m d h 27,448											
										# of Perforations 42											
3	WASATCH	8826	8828	4	16	Varied			Pump-in test	0	0	0	0							15	
				4	16	0	ESP and 5 min ESP			Slackwater	4,905	4,905	117	117	18.0%	0.0%	0	0			0
				4	16	50	Slackwater Pad			Slackwater	9,265	14,170	221	337	30.3%	19.4%	6,949	6,949			14
				4	16	50	Slackwater Ramp	0.25	1.25	Slackwater	0	14,170	0	337	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	1.25	1.5	Slackwater	9,265	23,435	221	558	30.3%	35.6%	12,739	19,688			14
				4	16	50	Slackwater Ramp	0.5	1.5	Slackwater	0	23,435	0	558	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	0.5	1.5	Slackwater	0	23,435	0	558	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	1.5	2	Slackwater	9,265	32,700	221	779	26.3%	45.7%	16,214	35,902			0
				4	16	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	5,409	38,109	129	907				35,902			53
				4	16	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	38,109	0	0				35,902			96
										Flush depth 6286 gal/m d h 30,000 CBP depth 6,216 lbs sand/m d h 32,938											
										# of Perforations 48											
4	WASATCH	8828	8830	4	16	Varied			Pump-in test	0	0	0	0							15	
				4	16	0	ESP and 5 min ESP			Slackwater	5,010	5,010	119	119	18.0%	0.0%	0	0			0
				4	16	50	Slackwater Pad			Slackwater	16,700	21,710	308	517	30.0%	19.4%	14,613	14,613			25
				4	16	50	Slackwater Ramp	0.25	1.5	Slackwater	0	21,710	0	517	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	1.5	3	Slackwater	11,990	33,400	278	795	36.0%	64.3%	26,303	40,915			18
				4	16	50	Slackwater Ramp	0.5	3	Slackwater	0	33,400	0	795	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	0.5	3	Slackwater	0	33,400	0	795	0.0%	0.0%	0	0			0
				4	16	50	Slackwater Ramp	1.5	3	Slackwater	5,269	38,669	129	921				40,915			8
				4	16	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	38,669	0	0				40,915			0
				4	16	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	38,669	0	0				40,915			48
										Flush depth 6071 gal/m d h 20,000 CBP depth 7,432 lbs sand/m d h 24,500											
										# of Perforations 38											
5	WASATCH	8830	8832	4	16	Varied			Pump-in test	0	0	0	0							9	
				4	16	0	ESP and 5 min ESP			Slackwater	3,150	3,150	75	75	18.0%	0.0%	0	0			0
				4	24	50	Slackwater Pad			Slackwater	10,500	13,650	250	325	30.0%	26.7%	8,188	9,188			16
				4	24	50	Slackwater Ramp	0.25	1.5	Slackwater	0	13,650	0	325	0.0%	0.0%	0	0			0
				4	24	50	Slackwater Ramp	1.5	3	Slackwater	7,350	21,000	175	500	30.0%	64.3%	16,538	25,725			11
				4	24	50	Slackwater Ramp	0.5	3	Slackwater	0	21,000	0	500	0.0%	0.0%	0	0			0
				4	24	50	Slackwater Ramp	0.5	3	Slackwater	0	21,000	0	500	0.0%	0.0%	0	0			0
				4	24	50	Slackwater Ramp	1.5	3	Slackwater	4,888	25,888	112	612				25,725			7
				4	24	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	25,888	0	0				25,725			0
				4	24	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	25,888	0	0				25,725			35
										Flush depth 7182 gal/m d h 30,000 CBP depth 6,886 lbs sand/m d h 36,750											
										# of Perforations 48											
6	WASATCH	8832	8834	4	40	Varied			Pump-in test	0	0	0	0							11	
				4	40	0	ESP and 5 min ESP			Slackwater	3,900	3,900	96	96	18.0%	0.0%	0	0			0
				4	40	50	Slackwater Pad			Slackwater	12,000	15,900	285	371	30.0%	26.7%	10,500	10,500			18
				4	40	50	Slackwater Ramp	0.25	1.5	Slackwater	0	15,900	0	371	0.0%	0.0%	0	0			0
				4	40	50	Slackwater Ramp	1.5	3	Slackwater	8,400	24,000	200	571	36.0%	64.3%	18,900	29,400			13
				4	40	50	Slackwater Ramp	0.5	3	Slackwater	0	24,000	0	571	0.0%	0.0%	0	0			0
				4	40	50	Slackwater Ramp	0.5	3	Slackwater	0	24,000	0	571	0.0%	0.0%	0	0			0
				4	40	50	Slackwater Ramp	1.5	3	Slackwater	4,469	28,469	106	678				29,400			7
				4	40	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	28,469	0	0				29,400			0
				4	40	50	Flush (4-1/2) IDEF and 5 min IDEF			Slackwater	0	28,469	0	0				29,400			42
										Flush depth 6846 gal/m d h 30,000 CBP depth 6,540 lbs sand/m d h 36,750											
										# of Perforations 48											
7	WASATCH	8834	8836	4	16	Varied			Pump-in test	0	0	0	0							6	
				4	24	0	ESP and 5 min ESP			Slackwater	2,040	2,040	49	49	18.0%	0.0%	0	0			0
				4	24	50	Slackwater Pad			Slackwater	6,800	8,840	162	210	30.0%	26.7%	5,950	5,950			10
				4	24	50	Slackwater Ramp	0.25	1.5	Slackwater	0	8,840	0	210	0.0%	0.0%	0	0			0
				4	24	50	Slackwater Ramp	1.5	3	Slackwater	4,760	13,600	119	324	36.0%	64.3%	10,710	16,600			7
				4	24	50	Slackwater Ramp	0.5	3	Slackwater	0	13,600	0	324	0.0%	0.0%	0	0			0
				4	24	50	Slackwater Ramp	0.5	3	Slackwater	0	13,600	0	324	0.0%	0.0%	0	0			0
				4	24	50	Slackwater Ramp	1.5	3	Slackwater	4,335	17,935	101	425				16,600			6
				4	24	50	Flush (4-1/2) IDEF and 5 min IDEF														

Name NBU 921-18D
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8682	8684	3	6	8678	to	8698.5
	MESAVERDE	8736	8740	3	12	8705.5	to	8742.5
	MESAVERDE	8796	8798	3	6	8794	to	8819
	MESAVERDE	8824	8826	4	8	8822	to	8828.5
	MESAVERDE	8878	8880	4	8	8871.5	to	8901.5
	MESAVERDE					8941	to	8948.5
	# of Perfs/stage				Look			
					40	CBP DEPTH	8,656	
2	MESAVERDE	8470	8474	3	12	8460	to	8488.5
	MESAVERDE	8516	8518	3	6	8512.5	to	8527
	MESAVERDE	8572	8576	4	16	8566	to	8598
	MESAVERDE	8624	8626	4	8	8618	to	8630
	# of Perfs/stage				Look			
					42	CBP DEPTH	8,428	
3	MESAVERDE							
	WASATCH	8336	8340	4	16	8326	to	8344
	MESAVERDE	8360	8364	4	16	8348	to	8369
	MESAVERDE	8396	8398	4	8	8388	to	8401.5
	# of Perfs/stage				Look			
					40	CBP DEPTH	8,216	
4	WASATCH	8071	8073	4	8	8069	to	8074.5
	WASATCH	8106	8110	3	12	8095.5	to	8116.5
	WASATCH	8180	8186	3	18	8167	to	8197.5
	# of Perfs/stage							
					38	CBP DEPTH	7,432	
5	WASATCH	7182	7186	4	16	7177	to	7196
	WASATCH	7396	7402	4	24	7388.5	to	7402.5
	# of Perfs/stage				Look			
					40	CBP DEPTH	6,886	
6	WASATCH	6846	6856	4	40	6841.5	to	6858
	# of Perfs/stage				Look			
					40	CBP DEPTH	6,540	
7	WASATCH	6488	6492	4	16	6485.5	to	6497.5
	WASATCH	6504	6510	4	24	6500	to	6512.5
	# of Perfs/stage							
					40	CBP DEPTH	6,154	
8	WASATCH	6114	6124	4	40	6100	to	6129
	# of Perfs/stage							
					40	CBP DEPTH	5,890	
9	WASATCH	5850	5860	4	40	5838	to	5870
	# of Perfs/stage							
					40	CBP DEPTH	5,800	
Totals					360			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0581
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 921-18D
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047392550000
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: 0550 FNL 0827 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 18 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 RECOMPLETED THE NEWLY WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR HAS COMMINGLED 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 9:00 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 8/10/2009

ROCKIES

Operation Summary Report

Well: NBU 921-18D		Spud Conductor: 10/4/2008		Spud Date: 10/4/2008				
Project: UTAH			Site: UINTAH			Rig Name No: GWS 1/1, GWS 1/1		
Event: RECOMPLETION			Start Date: 7/17/2009			End Date: 7/24/2009		
Active Datum: RKB @4,733.00ft (above Mean Sea Level)				UWI: NBU 921-18D				

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/17/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING DWN AND MOVEING EQUIP.
	7:30 - 15:00	7.50	COMP	30	A	P		RDMOL @ NBU 921-8B, MIRU RIG AND EQUIP. SDFWE. PUMPER WILL HAVE WELL BLEW DWN AND PLUNGER AND SPRING OUT FOR MONDAY MORNING.
7/20/2009	7:00 - 7:30	0.50	COMP	48		P		HSM
	7:30 - 15:00	7.50	COMP	31	I	P		FLOWING TBG PSI 80#. OPEN WELL & BLOW DOWN T/ FBT. RIG PUMP T/ TBG, PUMP 20 BBLS KCL SUB T/ CONT WELL. ND WH. NU BOP. RIG PUMP T/ CSG, PUMP 20 BBLS T/ CONT WELL. UNLAND 4 1/16 TBG HNGR. LD TBG HNGR. POOH W/ TBG. SB 319 JTS. LD 5 BAD JTS. (5 BAD WERE GAULDED.) LD XN-NIPPLE & POBS. ND BOP, NU FRAC VALVES. SWIFN. TOTAL BBLS PUMPED = 80 BBLS TBG ID & OD HAD NO SCALE ON IT.
7/21/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.

ROCKIES

Operation Summary Report

Well: NBU 921-18D		Spud Conductor: 10/4/2008		Spud Date: 10/4/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1, GWS 1/1	
Event: RECOMPLETION		Start Date: 7/17/2009		End Date: 7/24/2009	
Active Datum: RKB @4,733.00ft (above Mean Sea Level)			UWI: NBU 921-18D		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:30	11.00	COMP	36	B	P		<p>FLOWING WELL PSI 80#.</p> <p>MIRU CUTTERS WL. PU 4 1/2, 10K HAL CBP. RIH SET CBP @ 8904'. POOH W/ WL.</p> <p>RIG PUMP T/ CSG. FILL CSG W/ 120 BBLS T-MAC & PSI UP T/ 2500#.</p> <p>MIRU B&C QUICK TEST. CONT PSI T/ 6200#.</p> <p>GOOD TEST. BLEED OFF PSI T/ FBT. RDMO B&C QUICK TEST.</p> <p>PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SHOOT PERF'S F/ 8878'-80', 4 SPF, 8 HOLES 8824'-26', 4 SPF, 8 HOLES 8796'-98', 3 SPF, 6 HOLES 8736'-40', 3 SPF, 12 HOLES 8682'-84', 3 SPF, 6 HOLES.</p> <p>POOH. MIRU FRAC TECH SERV.</p> <p>PSI TEST FRAC LINES T/ 7500#. GOOD TEST. BLEED OFF PSI.</p> <p>STG 1) OPEN WELL 763 PSI. BEG PUMP, BRK @ 4929# @ 9.1 BPM. SD ISIP 2881#, FG .78. BEG FRAC. PUMP 61,562# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2729#, FG .76.</p> <p>12:50 X-OVER FOR WL.</p> <p>STG 2) PU 4 1/2, 8K HAL CBP & 3 3/8 EXP GUN. 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8642' P/U PERF F/ 8624'-26', 4 SPF, 8 HOLES. 8572'-76', 4 SPF, 16 HOLES. 8516'-18', 3 SPF, 6 HOLES. 8470'-74', 3 SPF, 12 HOLES.</p> <p>POOH.</p> <p>1:58 X-OVER T/ FRAC. OPEN WELL 1180#.</p> <p>BEG PUMP. BRK @ 3179# @ 3.5 BPM. SD ISIP 2388#, FG .78. BEG FRAC. PUMP 44,534# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2576#, FG .75.</p> <p>2:35 PM X-OVER FOR WL.</p> <p>STG 3) PU 4 1/2, 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8422' P/U PERF F/ 8396'-98', 4 SPF, 8 HOLES. 8360'-64', 4 SPF, 16 HOLES. 8336'-40', 4 SPF, 16 HOLES.</p> <p>POOH.</p> <p>3:25 X-OVER FOR FRAC CREW. BEG PUMP, BRK @ 5352# @ 3.2 BPM. SD ISIP 2608# FG .78. BEG FRAC, PUMP 31,527# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2663# FG .77</p> <p>4:15 PM X-OVER FOR WL.</p> <p>STG 4) PU 4 1/2, 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8210' P/U PERF F/ 8180'-86', 3 SPF, 18 HOLES. 8106'-10', 3 SPF, 12 HOLES. 8071'-73, 4 SPF, 8 HOLES.</p> <p>POOH.</p> <p>5:PM X-OVER FOR FRAC CREW. OPEN WELL 748#. BEG PUMP BRK @ 4667# @ 9.1 BPM. SD ISIP 1802# FG .67. BEG FRAC. PUMP 35,316# 30/50 WHITE & 5,000# 20/40 TLC. SD ISIP 2848# FG .80.</p>

ROCKIES

Operation Summary Report

Well: NBU 921-18D		Spud Conductor: 10/4/2008		Spud Date: 10/4/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1, GWS 1/1	
Event: RECOMPLETION		Start Date: 7/17/2009		End Date: 7/24/2009	
Active Datum: RKB @4,733.00ft (above Mean Sea Level)			UWI: NBU 921-18D		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/22/2009	7:00 - 7:30	0.50	COMP	48		P		SWI, SDFN. PREP FOR WL IN THE :AM. HSM. HIGH PSI LINES.

ROCKIES

Operation Summary Report

Well: NBU 921-18D		Spud Conductor: 10/4/2008		Spud Date: 10/4/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1, GWS 1/1	
Event: RECOMPLETION		Start Date: 7/17/2009		End Date: 7/24/2009	
Active Datum: RKB @4,733.00ft (above Mean Sea Level)			UWI: NBU 921-18D		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 17:00	9.50	COMP	36	B	P		<p>OPEN WELL 1100#.</p> <p>STG 5) PU 4 1/2, 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7418' P/U PERF F/ 7396'-02', 4 SPF, 24 HOLES. 7182'-86', 4 SPF, 16 HOLES. POOH.</p> <p>7:39 X-OVER FOR FRAC CREW. OPEN WELL 326#. BEG PUMP BRK @ 4579# @ 7.7 BPM. SD ISIP 2372# FG .77. BEG FRAC PUMP 20,711# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2065# FG .73. 8:13 X-OVER FOR WL.</p> <p>STG 6) PU 4 1/2, 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6870' P/U PERF F/ 6846'-56', 4 SPF, 40 HOLES. POOH.</p> <p>X-OVER FOR FRAC CREW. OPEN WELL 327#. BEG PUMP, BRK @ 3251# @ 7.8 BPM. SD ISIP 1605# FG .68. BEG FRAC, PUMP 25,333# 30/50 WHITE & TAIL IN W/ 5,000# TLC. SD ISIP 1629# FG .68. 9:21 AM SWI, X-OVER FOR WL.</p> <p>STG 7) PU 4 1/2, 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6523' P/U PERF F/ 6504'-10', 4 SPF, 24 HOLES. 6488'-92', 4 SPF, 16 HOLES. POOH.</p> <p>X-OVER FOR FRAC CREW. OPEN WELL 107#. BEG PUMP, BRK @ 2496# @ 7 BPM. SD ISIP 1522# FG .68. BEG FRAC, PUMP 12,853# 30/50 WHITE & 5,000# 20/40 TLC. SD ISIP 1493# FG .67. SWI, X-OVER FOR WL.</p> <p>STG 8) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHAZING. RIH SET CBP @ 6136' P/U PERF F/ 6114'-24', 4 SPF, 40 HOLES. POOH.</p> <p>X-OVER FOR FRAC CREW. OPEN WELL 120#. BEG PUMP, BRK @ 5101# @ 7.2 BPM. SD ISIP 1475# FG .69. BEG FRAC, PUMP 29,220# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 1658# FG .73. X-OVER FOR WL.</p> <p>STG 9) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6136' P/U PERF F/ 5850'-60', 4 SPF, 40 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 50#. BEG PUMP, BRK @ 2909# @ 7.7 BPM. SD ISIP 1151# FG .61. BEG FRAC, PUMP 80,215# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 1658# FG .73. 12:48 X-OVER FOR WL.</p> <p>PU 4 1/2 8K HAL CBP. RIH SET KILL PLUG @ 5800'. POOH. RDMO CUTTERS WL & FRAC TECH SERV. BLEED OFF WELL PSI. ND FRAC VALVES. NU</p>

ROCKIES

Operation Summary Report

Well: NBU 921-18D		Spud Conductor: 10/4/2008		Spud Date: 10/4/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1, GWS 1/1	
Event: RECOMPLETION		Start Date: 7/17/2009		End Date: 7/24/2009	
Active Datum: RKB @4,733.00ft (above Mean Sea Level)			UWI: NBU 921-18D		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/23/2009	7:00 - 7:30	0.50	COMP	48		P		BOP. RU TBG EQUIP & RIG FLOOR. PU 3 7/8 HURRICAIN MILL + X-DART VALVE + POBS + XN-NIPPLE 1.875. RIH W/ 182 JT'S 2 3/8 L-80. RU DRL EQUIP. SWI FN. EOT @ 5770'. HSM.

ROCKIES

Operation Summary Report

Well: NBU 921-18D		Spud Conductor: 10/4/2008		Spud Date: 10/4/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1, GWS 1/1	
Event: RECOMPLETION		Start Date: 7/17/2009		End Date: 7/24/2009	
Active Datum: RKB @4,733.00ft (above Mean Sea Level)			UWI: NBU 921-18D		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 17:00	9.50	COMP	44	C	P		<p>OPEN WELL 0# RU PUMP & LINES. BRK CONV CIRC. BEG DRL OUT.</p> <p>CBP 1) TAG FILL @ 5770' = 30' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 5800' IN 7 MIN. WELL WENT ON A VACUUM. PUMP 30 BBLS T-MAC & REGAIN CIRC. CONT RIH.</p> <p>CBP 2) TAG FILL @ 5848' = 30' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 5878' IN 11 MIN. 50 PSI INCR. CONT RIH.</p> <p>CBP 3) TAG FILL @ 6106' = 30' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 6136' IN 8 MIN. 0 PSI INCR. CONT RIH.</p> <p>CBP 4) TAG FILL @ 6358' = 165' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 6523' IN 11MIN. 700 PSI INCR. CONT RIH.</p> <p>CBP 5) TAG FILL @ 6840' = 30' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 6870' IN 15 MIN. 600 PSI INCR. CONT RIH.</p> <p>CBP 6) TAG FILL @ 7393' = 25' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 7418' IN 12 MIN. 700 PSI INCR. CONT RIH.</p> <p>CBP 7) TAG FILL @ 8180' =30' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 8210' IN 11 MIN. 650 PSI INCR. CONT RIH.</p> <p>CBP 8) TAG FILL @ 8402' =20' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 8422' IN 12 MIN. 1300 PSI INCR. CONT RIH.</p> <p>CBP 9) TAG FILL @ 8627' = 15' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 8642' IN 13 MIN. 850 PSI INCR. CONT RIH.</p> <p>CBP 10) TAG FILL @ 8892' = 10' OF SAND. CO SAND, DRL OUT 8K HAL CBP @ 8902' IN 12 MIN. 0 PSI INCR. CONT RIH. WHILE RIH W/ TBG. DRILLER SEEN THAT THE EXTENTION SPOOL ON WELL HEAD WOULD MOVE UP ABOUT 1" WHEN PICKING TBG OUT OF SLIPS. CALL FOR FMC SERV HAND T/ COME OUT & LOOK @ & MAKE REPAIRS T/ WELL HEAD EXTINTION SPOOL. SERV HAND MADE 1 ROUND ON SPLIT RING T/ TEGHTEN. RELEASE FMC SERV HAND. CONT RIH W/ TBG. TAG FILL @ 10,325'. DRL DOWN T/ 10,530' = 205' OF SAND. DRL 1 HR 45 MIN @ 10,530'. MADE NO HOLE. COULD NOT DRL DOWN T/ PBTD @ 10,581'. 16 PERF'S STILL COVERD UP. 16 PERF ARE F/ 10,566'-70'. RD DRL EQUIP. POOH. LD 10 JT'S 2 3/8 L-80 TBG. EOT 10,275'. SWI, SDFN.</p>
7/24/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. NEVER STICK YOUR HEAD OVER THE DRL RUBBER.

ROCKIES

Operation Summary Report

Well: NBU 921-18D		Spud Conductor: 10/4/2008		Spud Date: 10/4/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1, GWS 1/1	
Event: RECOMPLETION		Start Date: 7/17/2009		End Date: 7/24/2009	
Active Datum: RKB @4,733.00ft (above Mean Sea Level)			UWI: NBU 921-18D		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 15:00	7.50	COMP	37	A	P		SICP 2000 PSI. OPEN WELL T/ FBT. BLOW WELL DOWN T/ 500 PSI. PU 4 1/16 TBG HNGR & LAND TBG W/ KB 18.00 4 1/16 TBG HNGR. .83 324 JT'S 2 3/8 L-80 TBG 10,266.40 XN-NIPPLE, POBS, XDART, BIT 3.30 ----- ---- EO BIT 10,288.53 EOT 10,285'. ND BOP, NU WH. MIRU CUTTERS WL. PU 1 9/16 TBG PUNCH. 3' GUN. 4 SPF. RIG PUMP T/ TBG. FILL TBG W/ 20 BBLs T-MAC. RIH PERF TBG F/ 10,274'-77' W/ 12 HOLES. AFTER SHOOTING PERF TBG WENT ON VACUUM. POOH W/ WL. RDMO CUTTERS WL. OPEN WELL T/ FBT. WELL IS STILL ON A VACUUM. CALL FOR SWAB RIG. TURN WELL OVER T/ FBC. RACK OUT RIG EQUIP & RDMO RIG. ROAD T/ NBU 921-200. MIRU RIG. SDFWE. TOTAL LOAD = 9096 BBL'S. RIG RECOVERD = 1,253 BBL'S. LEFT T/ RECOVER = 7,843 BBL'S. 7 AM FLBK REPORT: CP 2050#, TP 1150#, 20/64" CK, 38 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 1885 BBLs LEFT TO RECOVER: 7211 7 AM FLBK REPORT: CP 1950#, TP 1100#, 20/64" CK, 26 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 2559 BBLs LEFT TO RECOVER: 6537 9:00 - PROD 50 WELL TURNED TO SALE @ 0900 HR ON 7/26/2009 - FTP 1100#, CP 1900#, 1.4 MCFD, 26 BWPD, 20/64 CK 7 AM FLBK REPORT: CP 1800#, TP 1050#, 20/64" CK, 20 BWPH, TRACE SAND, 1348 GAS TTL BBLs RECOVERED: 3091 BBLs LEFT TO RECOVER: 6005 7 AM FLBK REPORT: CP 1725#, TP 1050#, 20/64" CK, 13 BWPH, TRACE SAND, 1450 GAS TTL BBLs RECOVERED: 3449 BBLs LEFT TO RECOVER: 5647
7/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2050#, TP 1150#, 20/64" CK, 38 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 1885 BBLs LEFT TO RECOVER: 7211
7/26/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1950#, TP 1100#, 20/64" CK, 26 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 2559 BBLs LEFT TO RECOVER: 6537
	9:00 -		PROD	50				WELL TURNED TO SALE @ 0900 HR ON 7/26/2009 - FTP 1100#, CP 1900#, 1.4 MCFD, 26 BWPD, 20/64 CK
7/27/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1800#, TP 1050#, 20/64" CK, 20 BWPH, TRACE SAND, 1348 GAS TTL BBLs RECOVERED: 3091 BBLs LEFT TO RECOVER: 6005
7/28/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1725#, TP 1050#, 20/64" CK, 13 BWPH, TRACE SAND, 1450 GAS TTL BBLs RECOVERED: 3449 BBLs LEFT TO RECOVER: 5647