

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

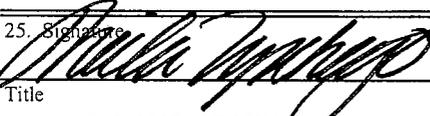
FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-38409
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 921-16D
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NW/NW 1136'FNL, 549'FWL 622554X 40.040215 At proposed prod. Zone 4432999Y -109.563489		9. API Well No. 43047-39401
14. Distance in miles and direction from nearest town or post office* 10.3 +/- 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) 549'	16. No. of Acres in lease 160.00	11. Sec., T., R., M., or Blk, and Survey or Area SEC. 16, 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 10,430'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4855'GL	20. BLM/BIA Bond No. on file RLB0005239	13. State UTAH
22. Approximate date work will start* UPON APPROVAL		17. Spacing Unit dedicated to this well 40.00
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 6/14/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 06-20-07
Title ENVIRONMENTAL MANAGER		

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

Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

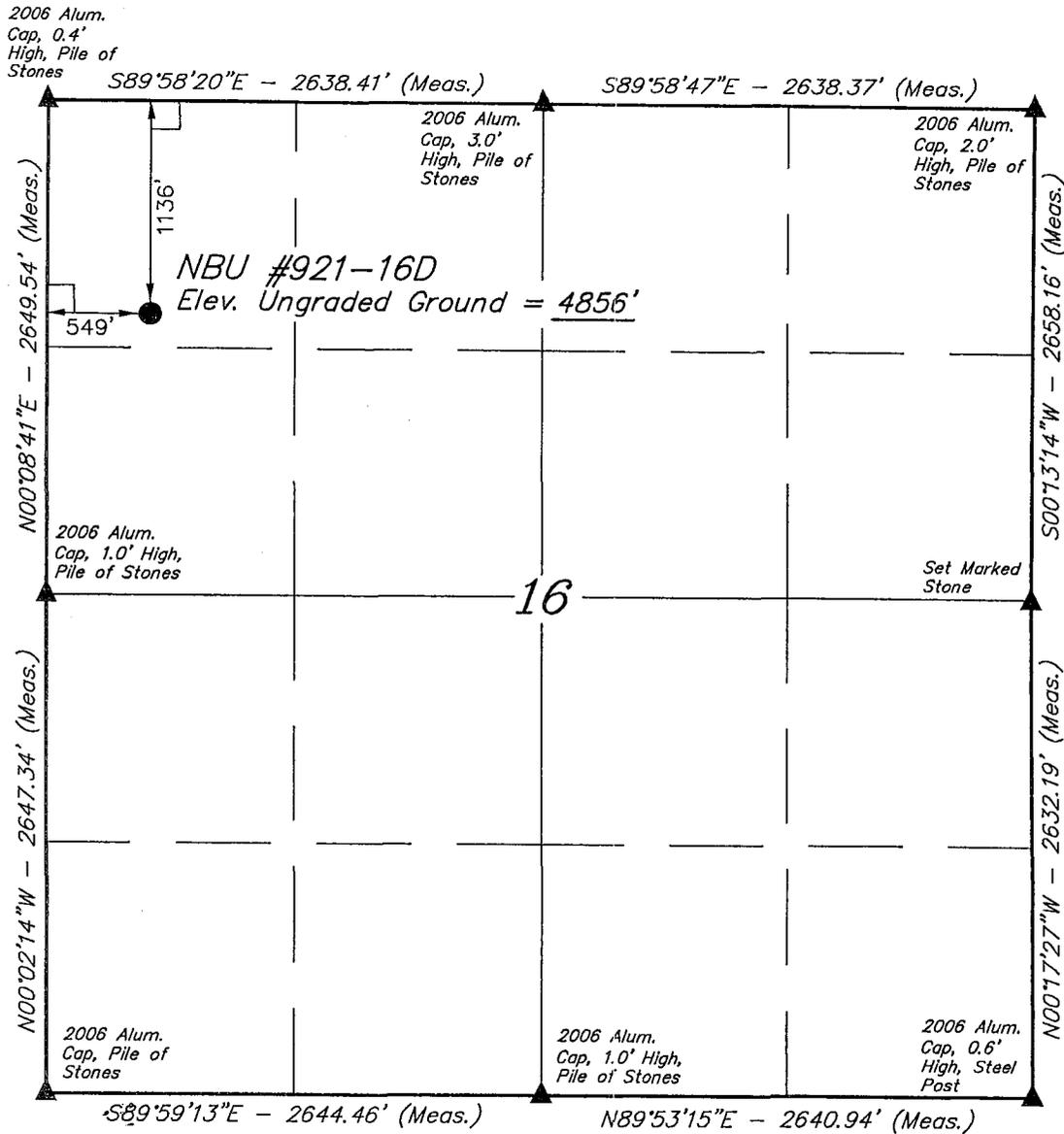
**Federal Approval of this
Action is Necessary**

RECEIVED

JUN 18 2007

DIV. OF OIL, GAS & MINING

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



LEGEND:

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

(NAD 83)
 LATITUDE = 40°02'24.90" (40.040250)
 LONGITUDE = 109°33'51.19" (109.564219)
 (NAD 27)
 LATITUDE = 40°02'25.03" (40.040286)
 LONGITUDE = 109°32'48.71" (109.546864)

Kerr-McGee Oil & Gas Onshore LP

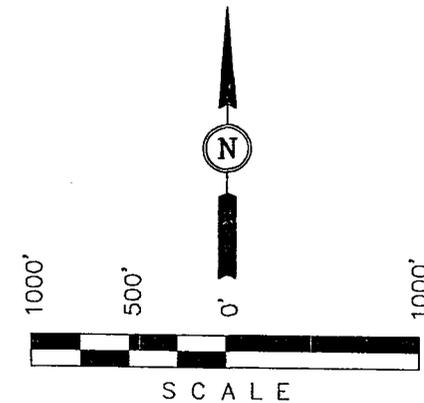
Well location, NBU #921-16D, located as shown in the NW 1/4 NW 1/4 of Section 16, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

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

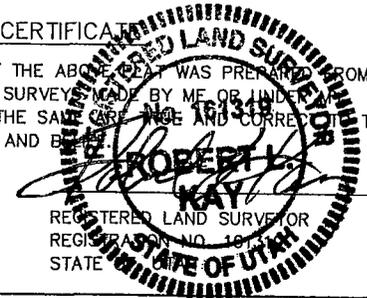
BASIS OF BEARINGS

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



CERTIFICATION

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



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

SCALE 1" = 1000'	DATE SURVEYED: 01-17-07	DATE DRAWN: 01-19-07
PARTY L.K. J.M. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 921-16D
NW/NW Sec. 16, T9S, R21E
UINTAH COUNTY, UTAH
UTU-38409

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1792'
Top of Birds Nest Water	2102'
Mahogany	2485'
Wasatch	5223'
Mesaverde	8237'
MVU2	9191'
MVL1	9762'
TD	10,430'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1792'
	Top of Birds Nest Water	2102'
	Mahogany	2485'
Gas	Wasatch	5223'
Gas	Mesaverde	8237'
Gas	MVU2	9191'
Gas	MVL1	9762'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

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

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,430' TD, approximately equals 6467 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4172 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. **Variances:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT	GR	CPLG	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2300	32.30	H-40	STC	2270	1370	254000
						0.55*****	1.27	3.33
PRODUCTION	4-1/2"	0 to 10430	11.60	I-80	LTC	3520	2020	564000
						1.10*****	1.60	7.39
						7780	6350	201000
						1.90	0.99	1.90

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.8 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 4105 psi
- ***** Burst SF is low but csg is stronger than formation at 2700 feet
- ***** EMW @ 2700 for 2270# is 16.2 ppg or 0.8 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	2000	NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWO	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	4,720'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	520	60%	11.00	3.38
	TAIL	5,710'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1600	60%	14.30	1.31

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

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

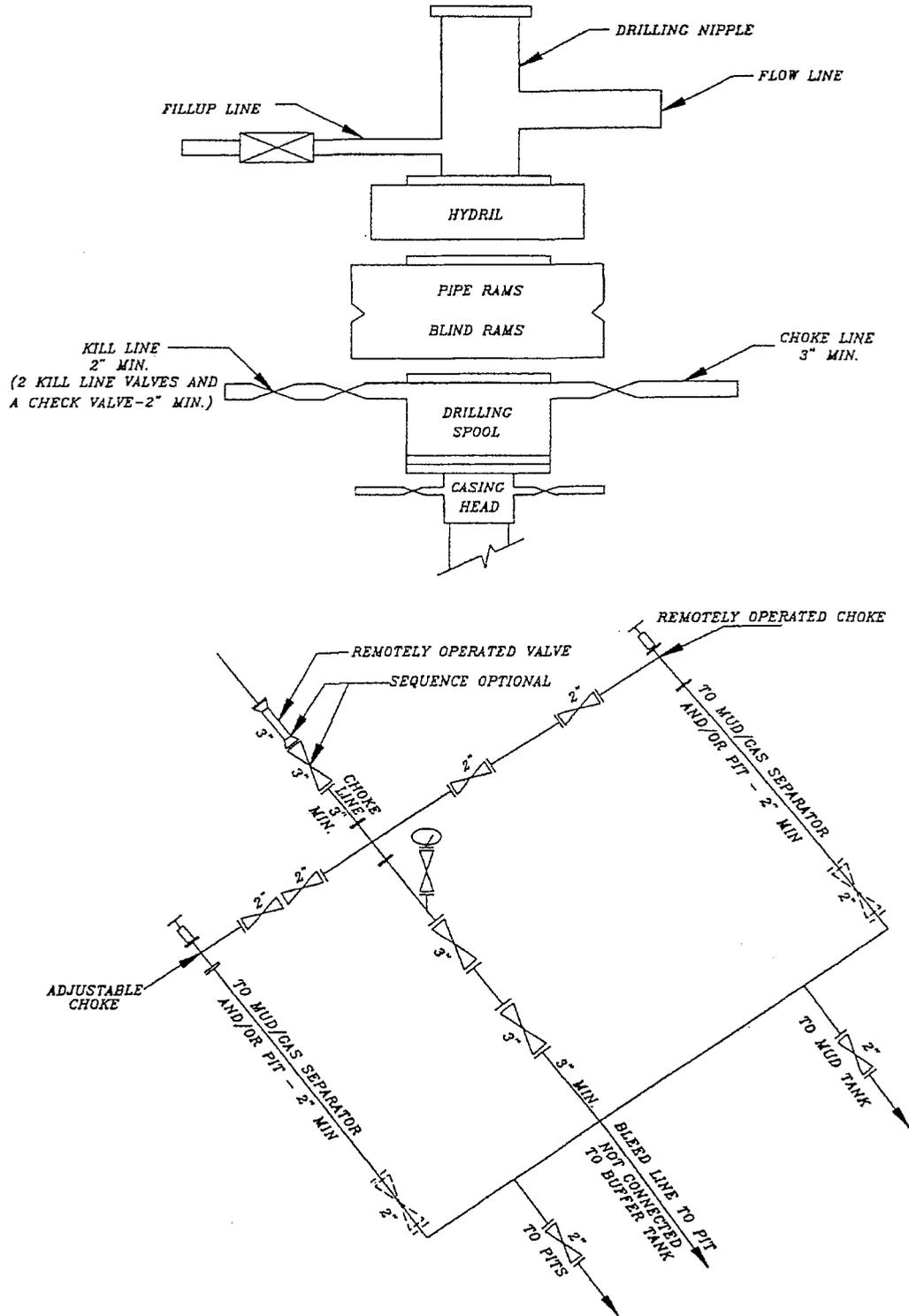
Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

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

DRILLING ENGINEER: _____ DATE: _____
Brad Laney

DRILLING SUPERINTENDENT: _____ DATE: _____
Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-16D
NW/NW SEC. 16, T9S, R21E
UINTAH COUNTY, UTAH
UTU-38409

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 0.1 +/- 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 1246' +/- 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

6/14/2007

Date

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16D

SECTION 16, 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 LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 41.3 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16D

LOCATED IN UINTAH COUNTY, UTAH
SECTION 16, T9S, R21E, S.L.B.&M.

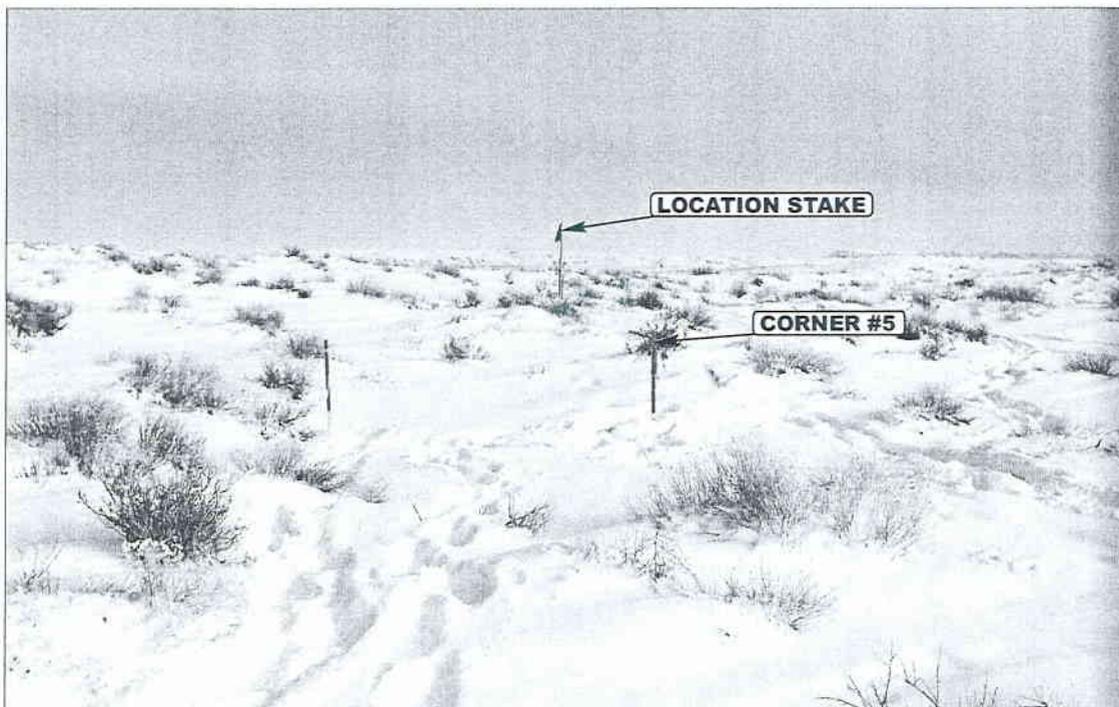


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

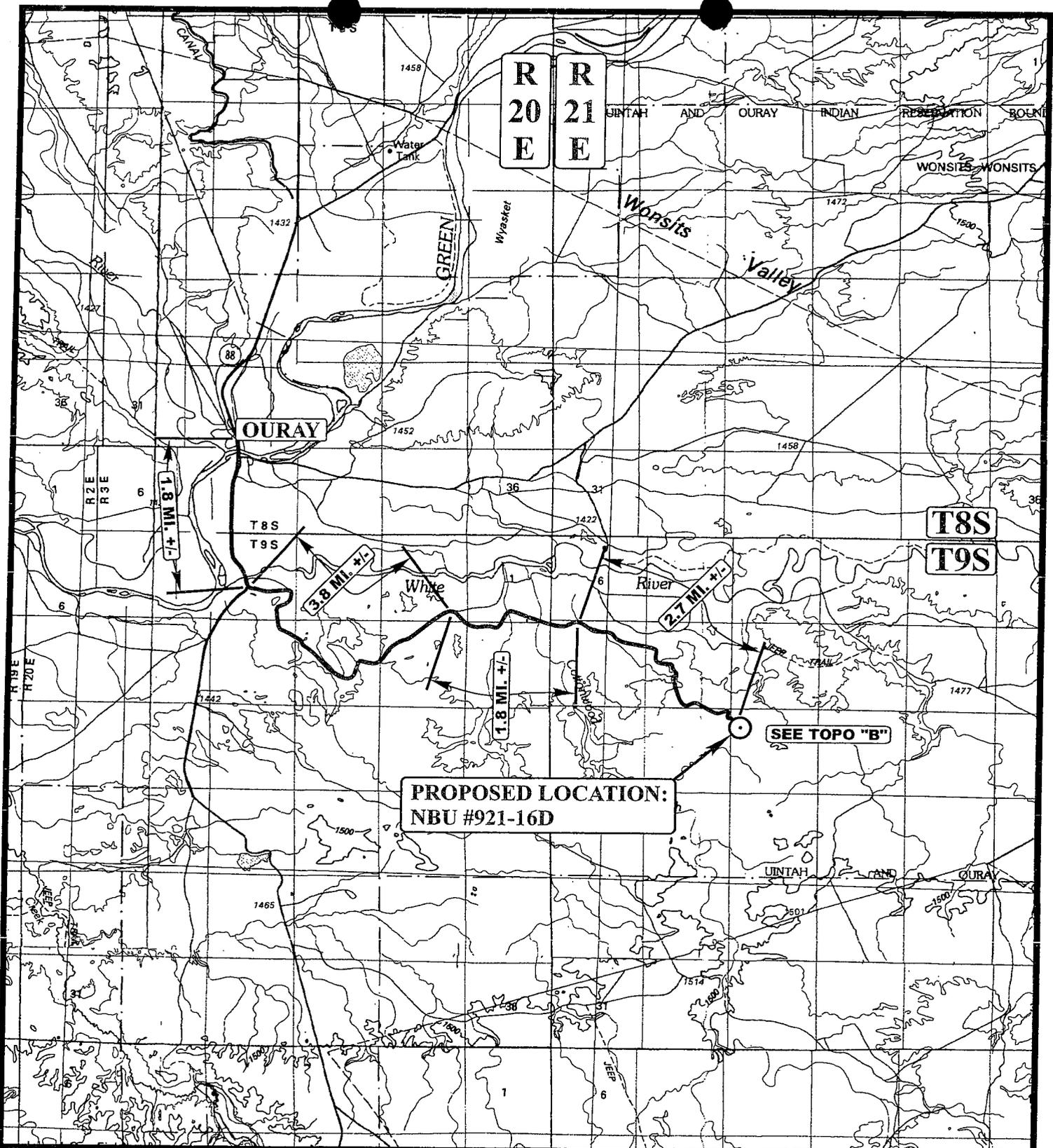
UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

01 | 19 | 07
MONTH | DAY | YEAR

PHOTO

TAKEN BY: L.K. | DRAWN BY: C.P. | REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #921-16D
SECTION 16, T9S, R21E, S.L.B.&M.
1136' FNL 549' FWL



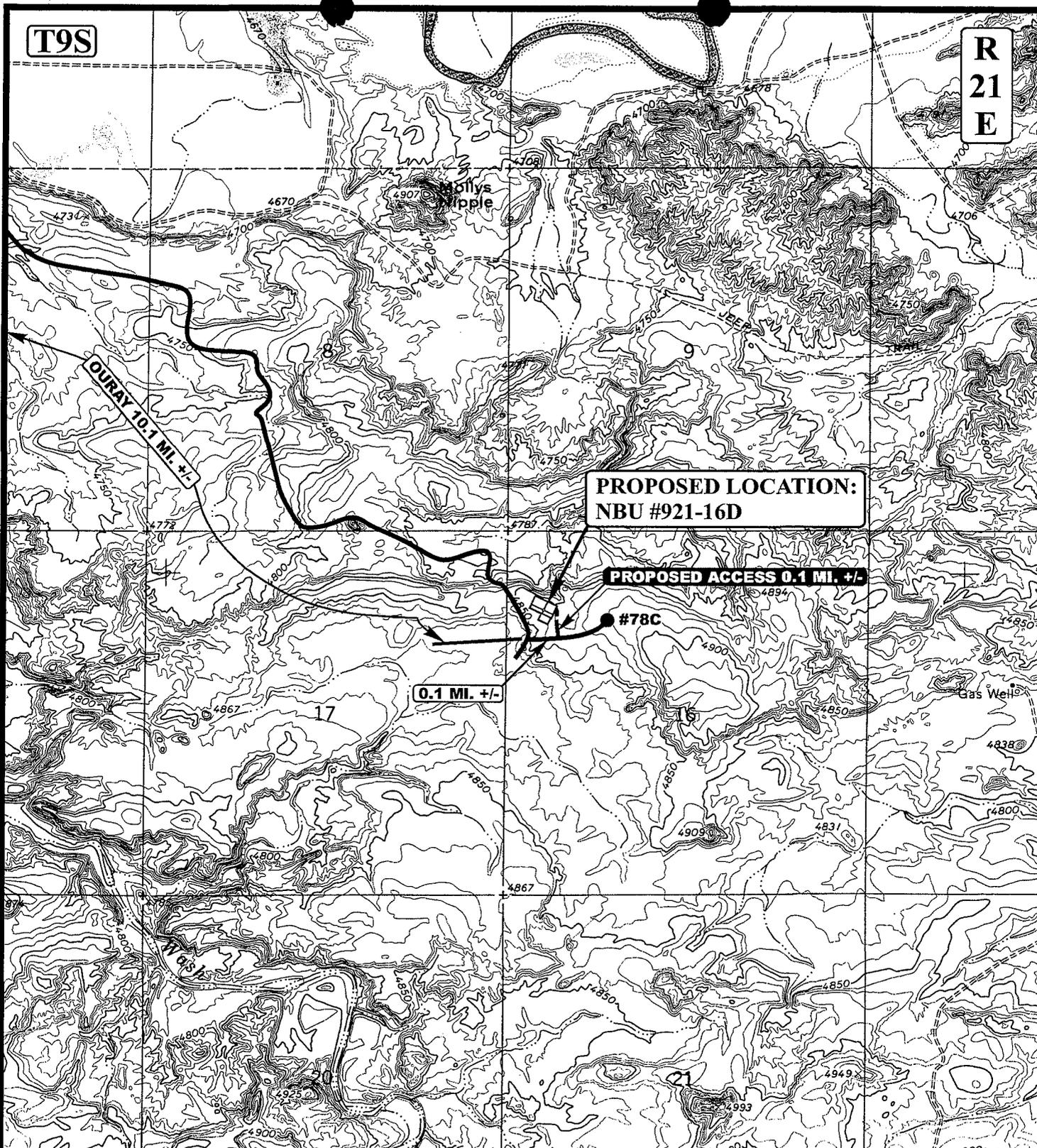
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP 01/19/07
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00



T9S

R
21
E



LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #921-16D

SECTION 16, T9S, R21E, S.L.B.&M.

1136' FNL 549' FWL



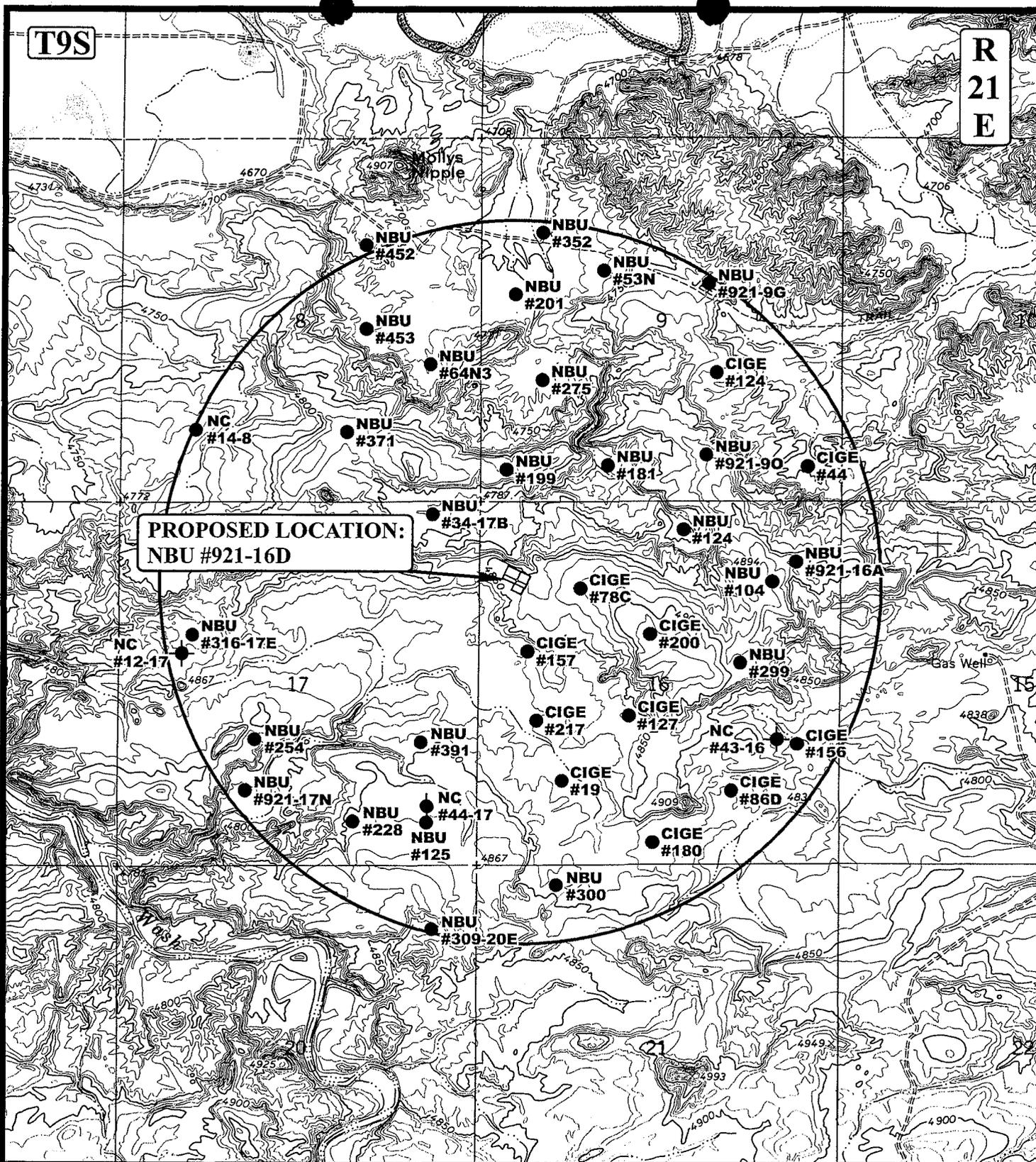
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 01 | 1907
 MAP MONTH | DAY | YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



T9S

R 21 E



PROPOSED LOCATION:
NBU #921-16D

LEGEND:

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

Kerr-McGee Oil & Gas Onshore LP

NBU #921-16D
SECTION 16, T9S, R21E, S.L.B.&M.
1136' FNL 549' FWL



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



TOPOGRAPHIC 01 | 19 | 07
MAP MONTH | DAY | YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



Kerr-McGee Oil & Gas Onshore LP

NBU #921-16D

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 16, T9S, R21E, S.L.B.&M.

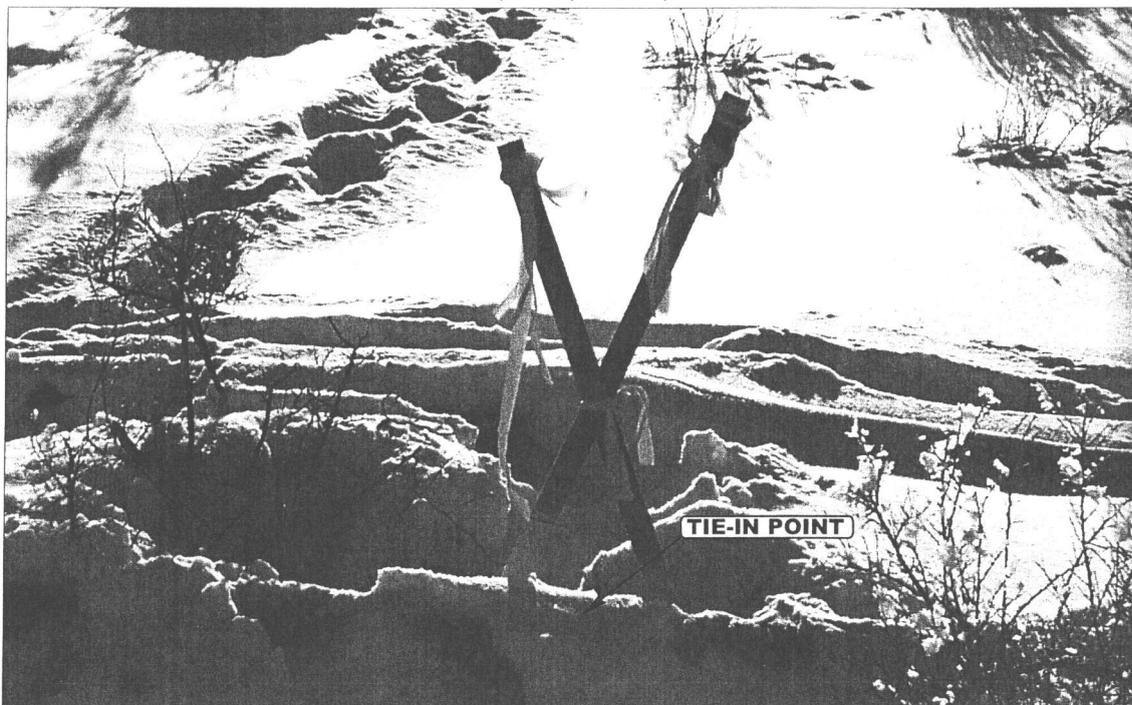


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

PIPELINE PHOTOS

01 19 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

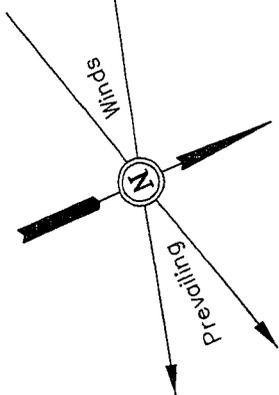
REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

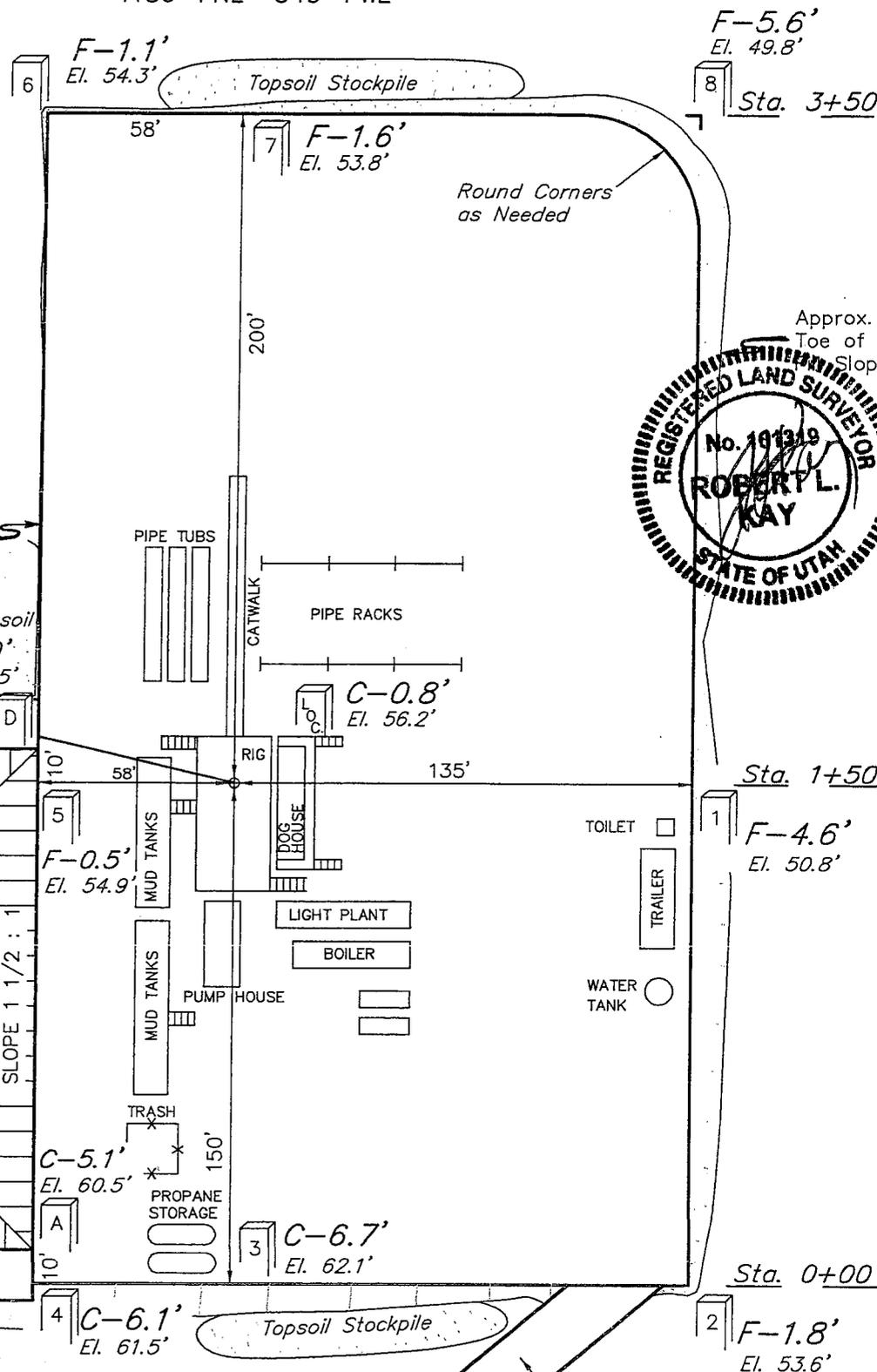
NBU #921-16D
SECTION 16, T9S, R21E, S.L.B.&M.
1136' FNL 549' FWL



SCALE: 1" = 50'
DATE: 01-19-07
Drawn By: S.L.

NOTE:

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4856.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 4855.4'

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

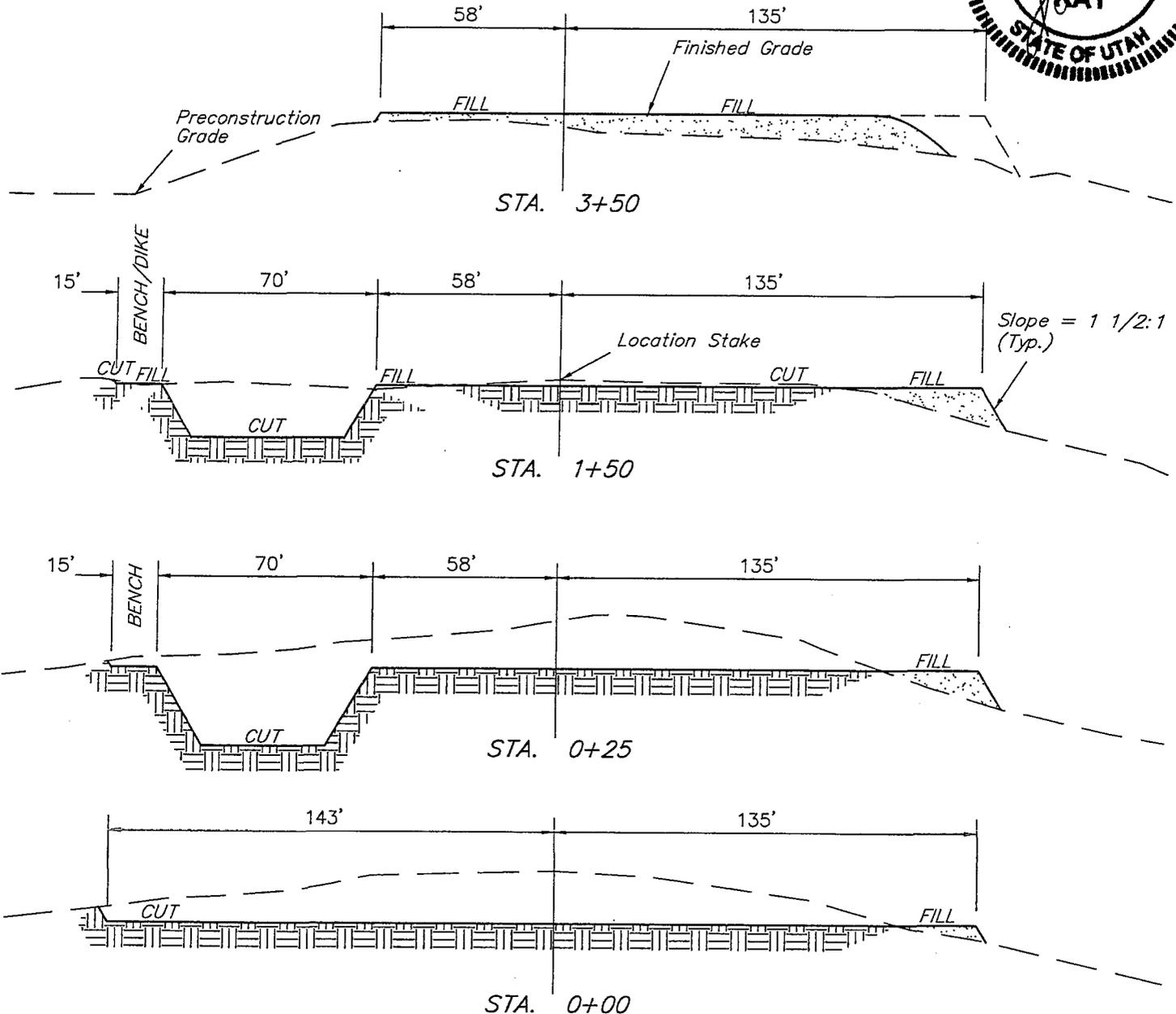
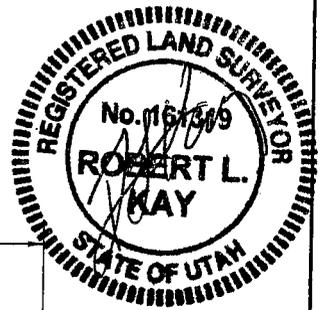
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR
 NBU #921-16D
 SECTION 16, T9S, R21E, S.L.B.&M.
 1136' FNL 549' FWL

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

DATE: 01-19-07
 Drawn By: S.L.



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	= 3,410 Cu. Yds.
Remaining Location	= 4,920 Cu. Yds.
TOTAL CUT	= 8,330 CU.YDS.
FILL	= 3,530 CU.YDS.

EXCESS MATERIAL	= 4,800 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,800 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/18/2007

API NO. ASSIGNED: 43-047-39401

WELL NAME: NBU 921-16D
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NWNW 16 090S 210E
 SURFACE: 1136 FNL 0549 FWL
 BOTTOM: 1136 FNL 0549 FWL
 COUNTY: UINTAH
 LATITUDE: 40.04022 LONGITUDE: -109.5635
 UTM SURF EASTINGS: 622554 NORTHINGS: 4432999
 FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-38409
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

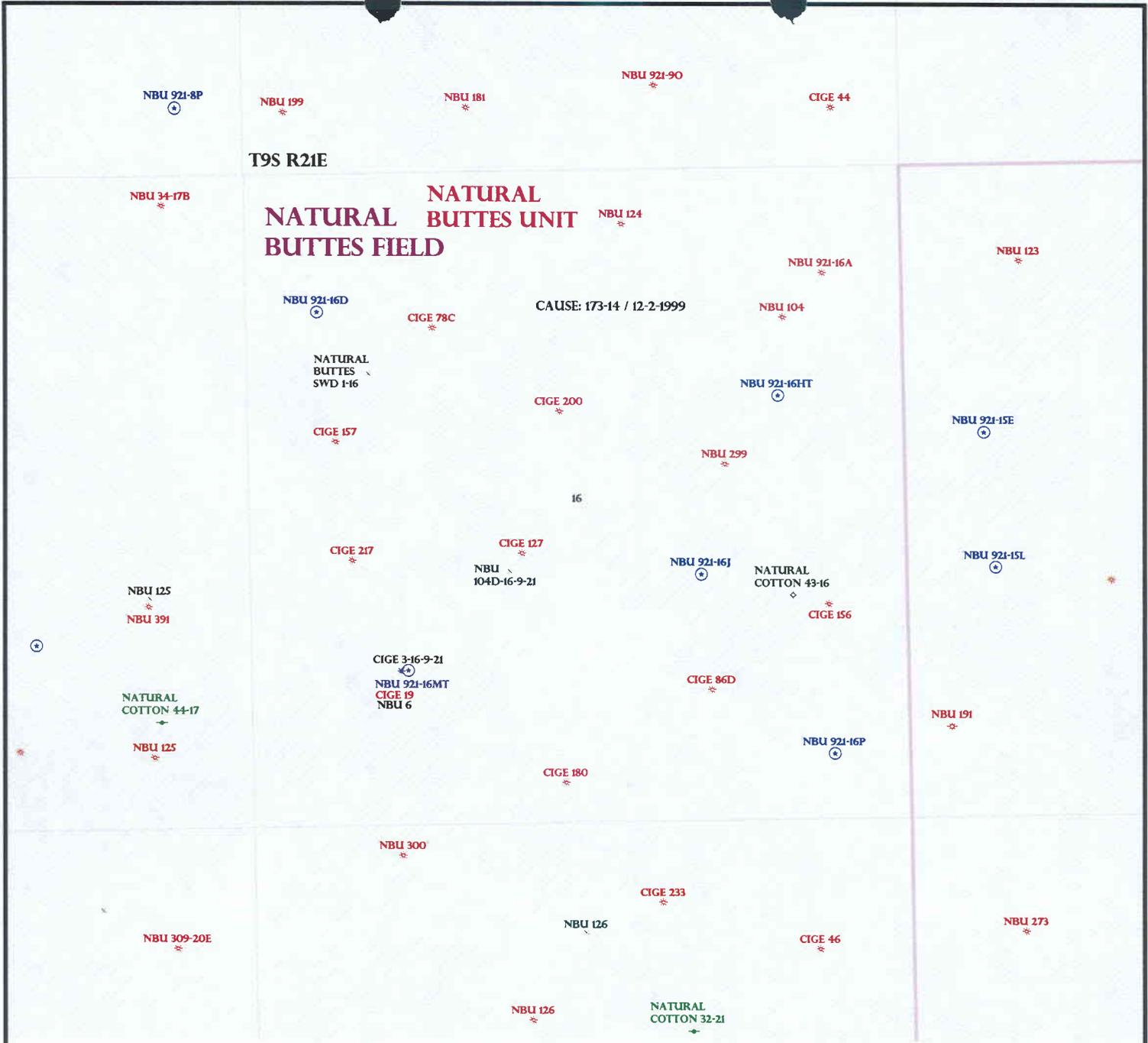
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
- Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 173.14
- Eff Date: 12.2.99
- Siting: 460' fr u/dry & uncommon. Tract
- R649-3-11. Directional Drill

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval
2- OIL SHALE



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 16 T.9S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status

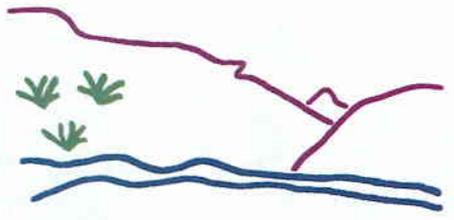
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

Unit Status

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

Wells Status

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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 20-JUNE-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

June 20, 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)

43-047-39403	NBU 1021-23FT Sec 23	T10S R21E 2295 FNL 2088 FWL
43-047-39401	NBU 921-16D Sec 16	T09S R21E 1136 FNL 0549 FWL
43-047-39402	NBU 921-34MT Sec 34	T09S R21E 0586 FSL 0494 FWL
43-047-39404	NBU 1022-05IT Sec 05	T10S R22E 1465 FSL 0811 FEL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-20-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 20, 2007

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

Re: Natural Buttes Unit 921-16D Well, 1136' FNL, 549' FWL, NW NW, Sec. 16, 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 43-047-39401.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Kerr-McGee Oil & Gas

Well Name & Number Natural Buttes Unit 921-16D

API Number: 43-047-39401

Lease: UTU-38409

Location: NW NW Sec. 16 T. 9 South R. 21 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

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

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

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

3. Reporting Requirements

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

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

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

RECEIVED
VERNAL FIELD OFFICE

2007 JUN 15 PM 1:18

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-38409
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 921-16D
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW 1136'FNL, 549'FWL At proposed prod. Zone		9. API Well No. 43-047-39401
14. Distance in miles and direction from nearest town or post office* 10.3 +/- 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) 549'	16. No. of Acres in lease 160.00	11. Sec., T., R., M., or Blk. and Survey or Area SEC. 16, 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 10,430'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4855'GL	20. BLM/BIA Bond No. on file RLB0005239	13. State UTAH
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:

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

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 6/14/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) J. KUCERA	Date 10-22-2007
Title Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

RECEIVED

NOV 09 2007

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

Posted 6/18/07

NOTICE OF APPROVAL

NO N05

OF MICHOHA

UDDGM

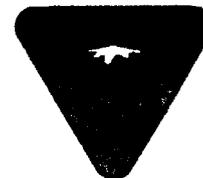


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

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:	NWNW, Sec. 16, T9S, R21E
Well No:	NBU 921-16D	Lease No:	UTU- 63047A
API No:	43-047- 39401	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:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Vertyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

Site Specific Conditions of Approval:

Well Number: NBU 921-16D

- 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.

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 determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe. Justification based on proximity of Mahogany oil shale to 2000' depth level.

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.
- 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.

- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

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

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

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: NBU 921-16D

Api No: 43-047-39401 Lease Type: FEDERAL

Section 16 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 11/28/07

Time 11:00 AM

How DRY

Drilling will Commence: _____

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 11/29/07 Signed CHD

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739401	NBU 921-16D		NWNW	16	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	11/28/2007			<u>12/31/07</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 11/28/2007 AT 1100 HRS							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738217	BONANZA 1023-8M		SWSW	8	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>A</u>	99999	<u>16564</u>	11/29/2007			<u>12/31/07</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 11/29/2007 AT 0900 HRS.							

Well 3

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

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

11/30/2007

Date

RECEIVED

DEC 03 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
UTU-38409

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 921-16D

9. API Well No.
4304739401

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 SEC. 16, T9S, R21E 1136'FNL, 549'FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input 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 SET SURFACE
			CSG

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 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 BILL MARTIN AIR RIG ON 12/08/2007. DRILLED 12 1/4" SURFACE HOLE TO 2760'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/260 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGHOUT JOB 22 +/- BBLs LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date December 13, 2007

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)

RECEIVED

DEC 14 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.
UTU-38409

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 921-16D

9. API Well No.
4304739401

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 SEC. 16, T9S, R21E 1136'FNL, 549'FWL

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

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

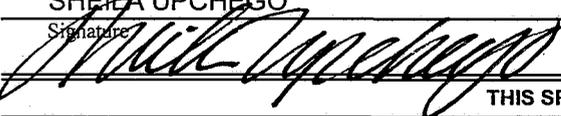
13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical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

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

SPUD WELL LOCATION ON 11/28/2007 AT 1100 HRS.

**RECEIVED
DEC 14 2007
DIV. OF OIL, GAS & MINING**

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date November 30, 2007

THIS SPACE FOR FEDERAL OR STATE USE

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

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



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

December 12, 2007

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 921-16D
T9S R21E
Section 16: NWNW
NWNW 1136' FNL, 549' FWL (surface)
NWNW 628' FNL, 827' FWL (bottom hole)
Uintah County, Utah

Dear Mrs. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 921-16D is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and the NW/4 of Section 16 (federal lease USA UTU 38409).

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

James C. Colligan III
Landman

RECEIVED
DEC 31 2007
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.

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 SEC. 16, T9S, R21E 1136'FNL, 549'FWL

5. Lease Serial No.
UTU-38409

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 921-16D

9. API Well No.
4304739401

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 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 type="checkbox"/> Other _____
	<input checked="" 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 TO CHANGE THE DRILLING PLANS. THE OPERATOR PLANS TO DRILL DIRECTIONAL DUE TO EOG OFFSET CONCERNS IN THE WASATCH. **622670X 40.042295**
 THE BOTTOM HOLE FOOTAGES ARE: NW/NW SEC. 16, T9S, R21E 380'FNL, 940'FWL **4433232Y 709.562087**
 THE OPERATOR HAS SPUD THE WELL LOCATION WITH A CONDUCTOR HOLE TO 40' ON 11/28/2007.

THE OPERATOR REQUESTS AUTHORIZATION TO CHANGE THE WELL NAME AND NUMBER FROM NBU 921-16D TO NBU 921-16D-1S.

PLEASE REFER TO THE ATTACHED DOWN HOLE DIAGRAM, THE PROPOSED DIRECTIONAL DRILL SURVEY AND THE LOCATION PLAT.

**COPY SENT TO OPERATOR
 Date: 1-8-2008
 Initials: KS**

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

Name (Printed/Typed) SHEILA SUPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date December 11, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by 	Title BRADLEY G. HILL	Date 01-07-08
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.		
ENVIRONMENTAL MANAGER		

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

RECEIVED

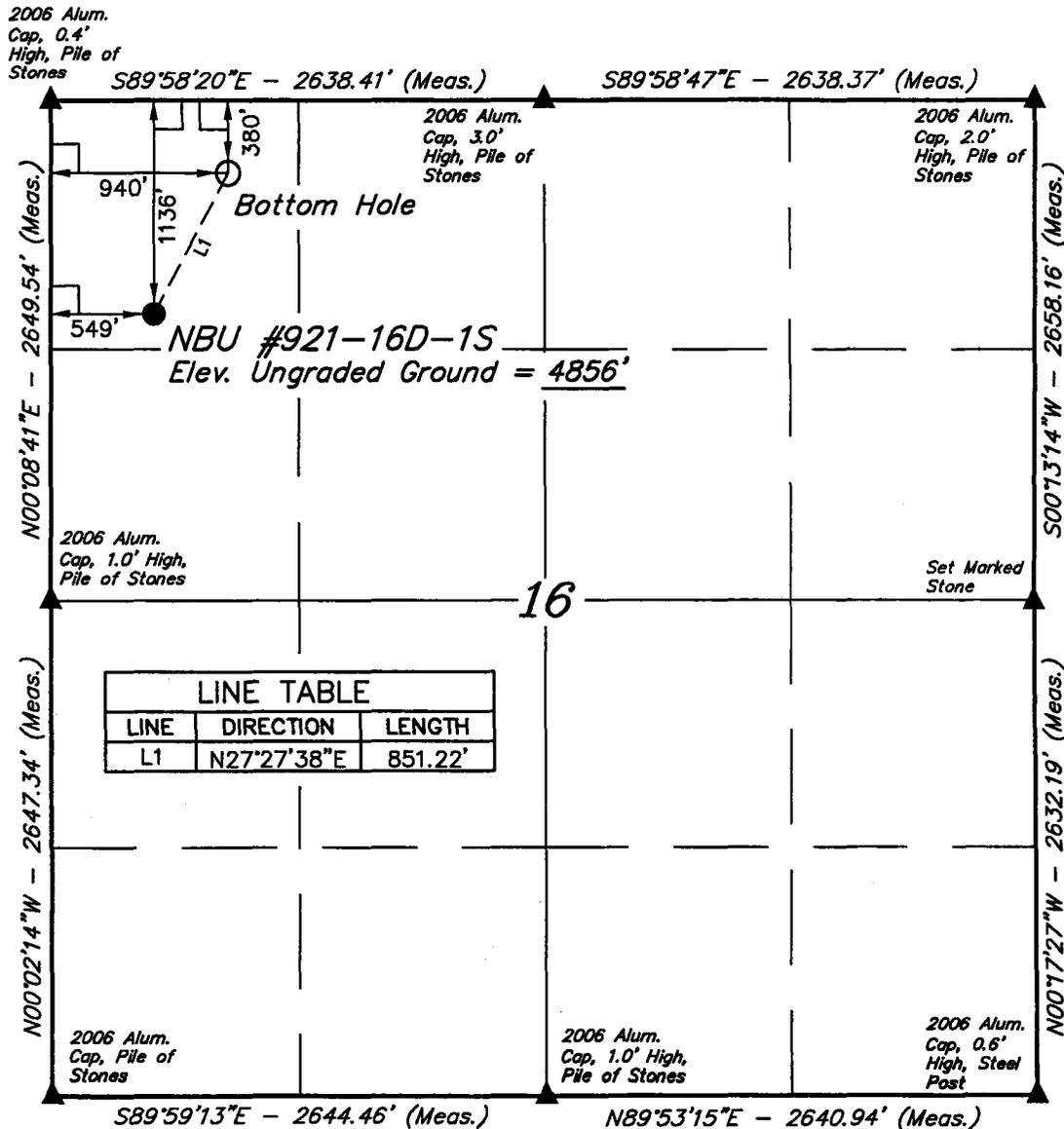
(Instructions on reverse)

**Federal Approval of this
 Action is Necessary**

DEC 31 2007

DIV. OF OIL, GAS & MINING

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



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

(NAD 83)
 LATITUDE = 40°02'24.90" (40.040250)
 LONGITUDE = 109°33'51.19" (109.564219)

(NAD 27)
 LATITUDE = 40°02'25.03" (40.040286)
 LONGITUDE = 109°32'48.71" (109.546864)

Kerr-McGee Oil & Gas Onshore LP

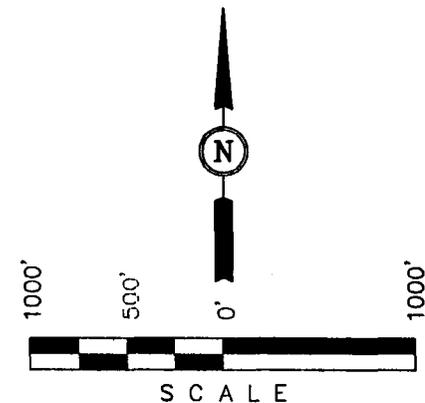
Well location, NBU #921-16D-1S, located as shown in the NW 1/4 NW 1/4 of Section 16, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFIED

REGISTERED LAND SURVEYOR

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

ROBERT L. KERR

REGISTERED LAND SURVEYOR

STATE OF UTAH

REVISED: 11-29-07

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	01-17-07	01-19-07
PARTY	REFERENCES	
L.K. J.M. S.L.	G.L.O. PLAT	
WEATHER	FILE	
WARM	Kerr-McGee Oil & Gas Onshore LP	



**KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2800	36.00	J-55	LTC	0.89	1.54	5.72
PRODUCTION	4-1/2"	0 to 10357	11.60	I-80	LTC	1.96	1.02	1.92

1) Max Anticipated Surf. Press (MASP) (Surface Casing) = (Pore Pressure at next csg point - 0.22 psi/ft-partial evac gradient x TVD of next csg point)
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 0.0 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 3969 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + 25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + 25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite + 25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
	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	7,717'	Premium Lite II + 3% KCl + 0.25 pps caloflake + 5 pps gilsonite + 10% gel + 0.5% extender	840	60%	11.00	3.38
	TAIL	2,840'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	740	60%	14.30	1.31

*Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

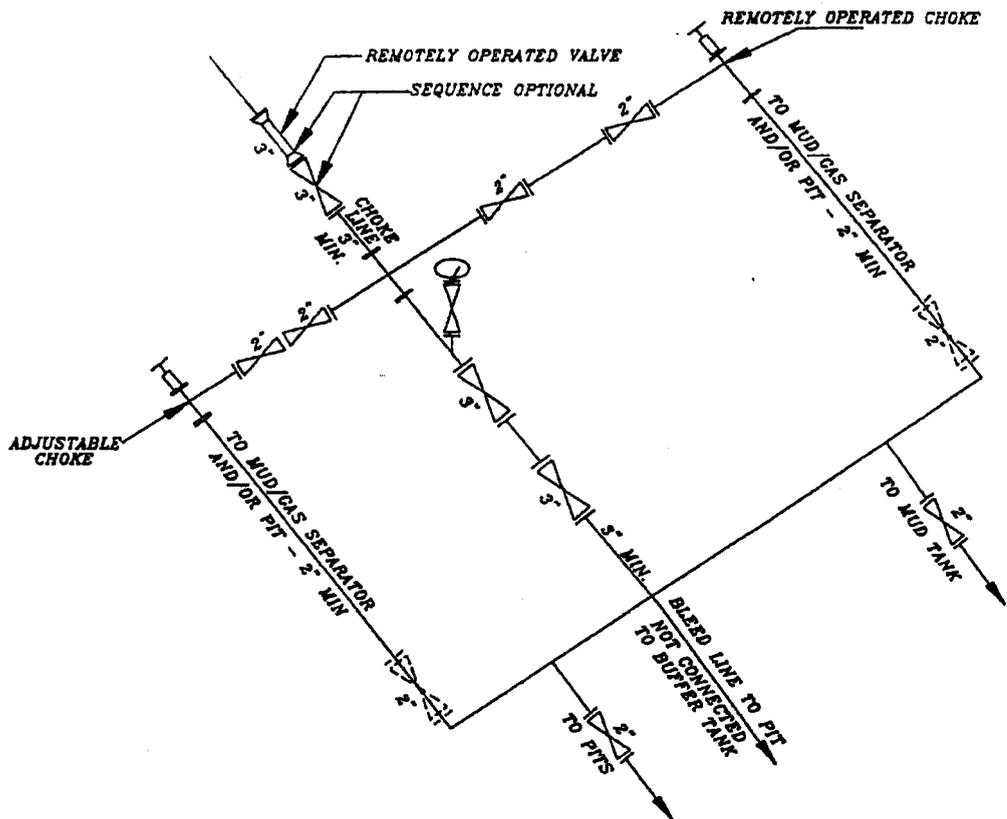
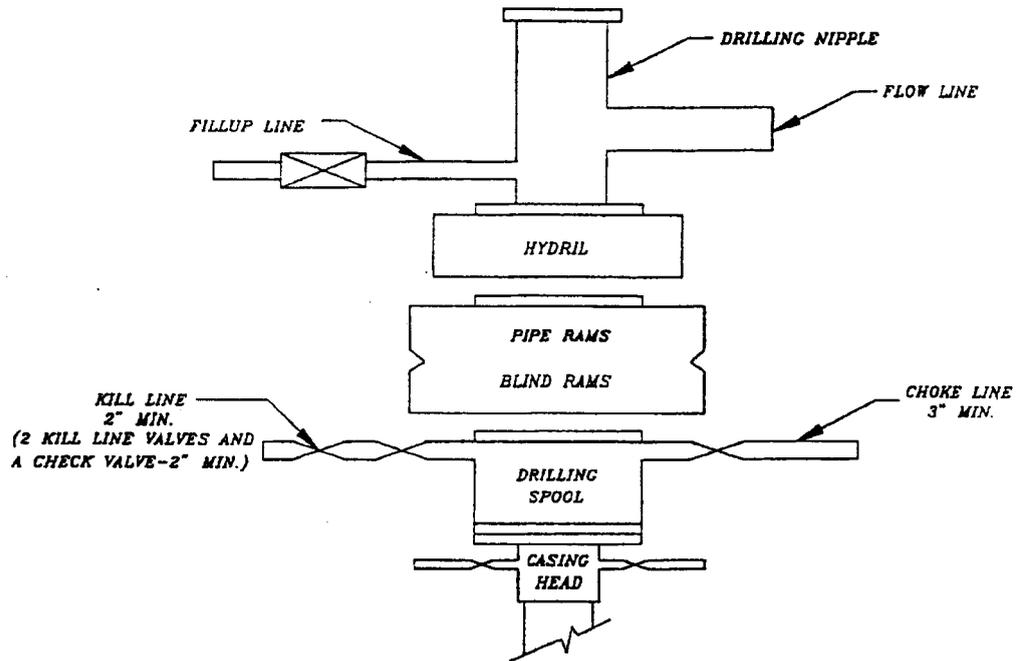
SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

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 System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
 Brad Laney
 DRILLING SUPERINTENDENT: _____ DATE: _____
 Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





Weatherford[™]

Drilling Services

Proposal



ANADARKO - KERR MCGEE

NBU 921-16D

UINTAH COUNTY, UTAH

WELL FILE: PLAN 1

DATE: DECEMBER 6, 2007

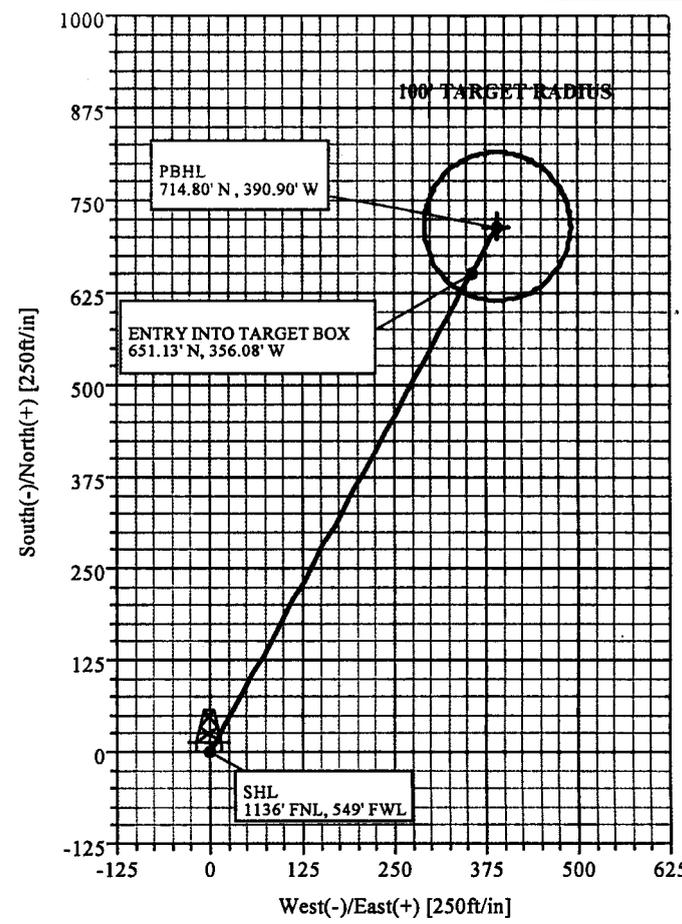
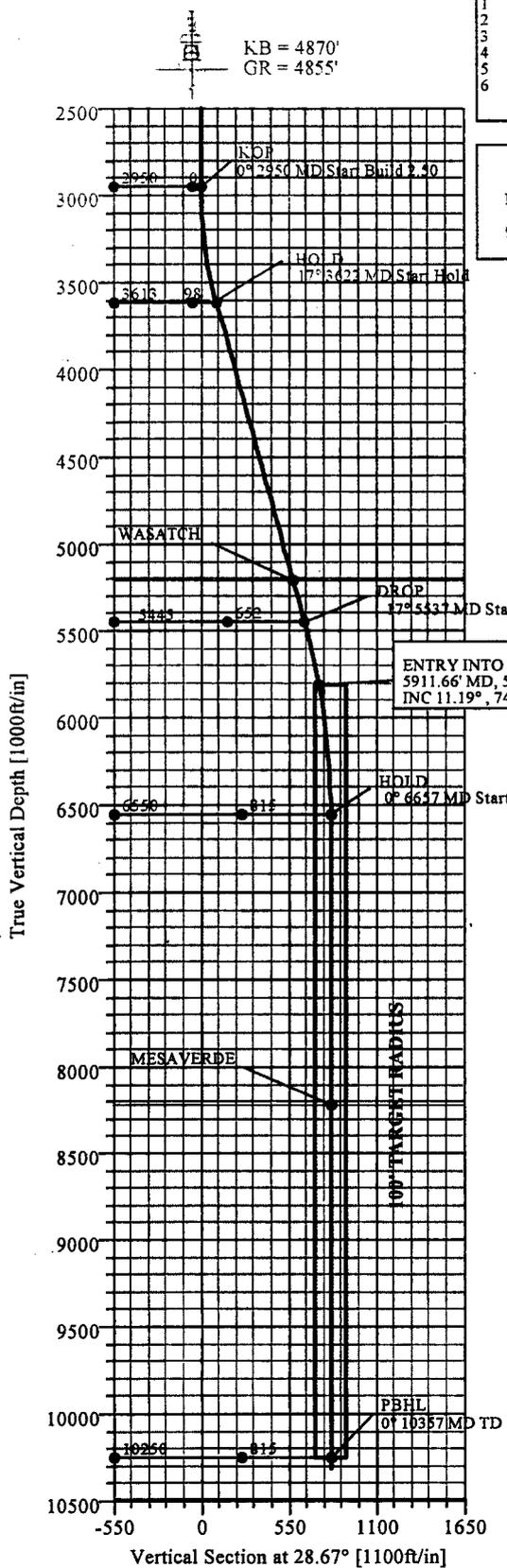
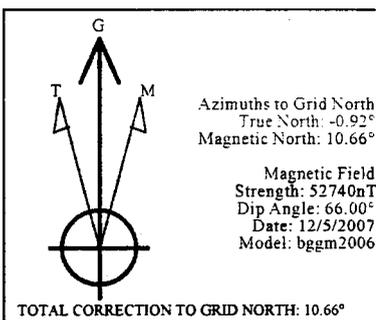
Weatherford International, Ltd.
15710 John F. Kennedy Blvd
Houston, Texas 77032 USA
+1.281.260.1300 Main
+1.281.260.4730 Fax
www.weatherford.com

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	28.67	0.00	0.00	0.00	0.00	0.00	0.00	
2	2950.00	0.00	28.67	2950.00	0.00	0.00	0.00	0.00	0.00	
3	3622.31	16.81	28.67	3612.71	85.90	46.98	2.50	28.67	97.91	
4	5536.87	16.81	28.67	5445.48	571.63	312.61	0.00	0.00	651.53	
5	6657.39	0.00	28.67	6550.00	714.80	390.90	1.50	180.00	814.70	
6	10357.39	0.00	28.67	10250.00	714.80	390.90	0.00	0.00	814.70	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
921-16D	0.00	0.00	14545956.70	2042482.60	40°02'25.029N	109°33'48.711W	N/A

FIELD DETAILS	
UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	
Geodetic System:	Universal Transverse Mercator (USfeet)
Ellipsoid:	NAD27 (Clarke 1866)
Zone:	UTM Zone 12, North 114W to 108W
Magnetic Model:	bggm2006
System Datum:	Mean Sea Level
Local North:	Grid North

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	5209.00	5289.84	WASATCH
2	8219.00	8326.39	MESAVERDE



Company: Anadarko-Kerr-McGee	Date: 12/6/2007	Time: 09:50:34	Page: 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference: Site: NBU 921-16D, Grid North		
Site: NBU 921-16D	Vertical (TVD) Reference: SITE 4870.0		
Well: 921-16D	Section (VS) Reference: Well (0.00N,0.00E,28.67Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #1	Date Composed: 12/5/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	
Map System: Universal Transverse Mercator (USfeet)	Map Zone: UTM Zone 12, North 114W to 108W
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2006

Site: NBU 921-16D		
1136' FNL 549' FWL SEC 16T9S-R21E		
Site Position:	Northing: 14543956.70 ft	Latitude: 40 2 25.029 N
From: Map	Easting: 2042482.60 ft	Longitude: 109 33 48.711 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 4855.00 ft		Grid Convergence: 0.92 deg

Well: 921-16D	Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 14543956.70 ft	Latitude: 40 2 25.029 N
+E/-W 0.00 ft	Easting: 2042482.60 ft	Longitude: 109 33 48.711 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 12/5/2007	Above System Datum: Mean Sea Level		
Field Strength: 52740 nT	Declination: 11.58 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 66.00 deg		
ft	+N/-S	+E/-W	Direction
ft	ft	ft	deg
0.00	0.00	0.00	28.67

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	28.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2950.00	0.00	28.67	2950.00	0.00	0.00	0.00	0.00	0.00	0.00	
3622.31	16.81	28.67	3612.71	85.90	46.98	2.50	2.50	0.00	28.67	
5536.87	16.81	28.67	5445.48	571.63	312.61	0.00	0.00	0.00	0.00	
6657.39	0.00	28.67	6550.00	714.80	390.90	1.50	-1.50	0.00	180.00	
10357.39	0.00	28.67	10250.00	714.80	390.90	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	MapN ft	MapE ft	Comment
2800.00	0.00	28.67	2800.00	0.00	0.00	0.00	14543956.70	2042482.60	
2900.00	0.00	28.67	2900.00	0.00	0.00	0.00	14543956.70	2042482.60	
2950.00	0.00	28.67	2950.00	0.00	0.00	0.00	14543956.70	2042482.60	KOP
3000.00	1.25	28.67	3000.00	0.48	0.26	2.50	14543957.18	2042482.86	
3100.00	3.75	28.67	3099.89	4.31	2.35	2.50	14543961.01	2042484.95	
3200.00	6.25	28.67	3199.50	11.95	6.54	2.50	14543968.65	2042489.14	
3300.00	8.75	28.67	3298.64	23.40	12.80	2.50	14543980.10	2042495.40	
3400.00	11.25	28.67	3397.11	38.64	21.13	2.50	14543995.34	2042503.73	
3500.00	13.75	28.67	3494.74	57.63	31.51	2.50	14544014.33	2042514.11	
3600.00	16.25	28.67	3591.32	80.33	43.93	2.50	14544037.03	2042526.53	
3622.31	16.81	28.67	3612.71	85.90	46.98	2.50	14544042.60	2042529.58	
3700.00	16.81	28.67	3687.08	105.61	57.75	0.00	14544062.31	2042540.35	
3800.00	16.81	28.67	3782.81	130.98	71.63	0.00	14544087.68	2042554.23	
3900.00	16.81	28.67	3878.54	156.35	85.50	0.00	14544113.05	2042568.10	
4000.00	16.81	28.67	3974.26	181.72	99.38	0.00	14544138.42	2042581.98	



Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee	Date: 12/6/2007	Time: 09:50:34	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 921-16D, Grid North	
Site: NBU 921-16D	Vertical (TVD) Reference:	SITE 4870.0	
Well: 921-16D	Section (VS) Reference:	Well (0.00N,0.00E,28.67Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	MapN ft	MapE ft	Comment
4100.00	16.81	28.67	4069.99	207.09	113.25	0.00	14544163.79	2042595.85	
4200.00	16.81	28.67	4165.72	232.46	127.13	0.00	14544189.16	2042609.73	
4300.00	16.81	28.67	4261.45	257.83	141.00	0.00	14544214.53	2042623.60	
4400.00	16.81	28.67	4357.18	283.20	154.87	0.00	14544239.90	2042637.47	
4500.00	16.81	28.67	4452.90	308.57	168.75	0.00	14544265.27	2042651.35	
4600.00	16.81	28.67	4548.63	333.94	182.62	0.00	14544290.64	2042665.22	
4700.00	16.81	28.67	4644.36	359.31	196.50	0.00	14544316.01	2042679.10	
4800.00	16.81	28.67	4740.09	384.68	210.37	0.00	14544341.38	2042692.97	
4900.00	16.81	28.67	4835.82	410.05	224.25	0.00	14544366.75	2042706.85	
5000.00	16.81	28.67	4931.54	435.43	238.12	0.00	14544392.13	2042720.72	
5100.00	16.81	28.67	5027.27	460.80	251.99	0.00	14544417.50	2042734.59	
5200.00	16.81	28.67	5123.00	486.17	265.87	0.00	14544442.87	2042748.47	
5289.84	16.81	28.67	5209.00	508.96	278.33	0.00	14544465.66	2042760.93	WASATCH
5300.00	16.81	28.67	5218.73	511.54	279.74	0.00	14544468.24	2042762.34	
5400.00	16.81	28.67	5314.46	536.91	293.62	0.00	14544493.61	2042776.22	
5500.00	16.81	28.67	5410.18	562.28	307.49	0.00	14544518.98	2042790.09	
5536.87	16.81	28.67	5445.48	571.63	312.61	0.00	14544528.33	2042795.21	
5600.00	15.86	28.67	5506.06	587.21	321.12	1.50	14544543.91	2042803.72	
5700.00	14.36	28.67	5602.60	610.08	333.63	1.50	14544566.78	2042816.23	
5800.00	12.86	28.67	5699.79	630.73	344.92	1.50	14544587.43	2042827.52	
5900.00	11.36	28.67	5797.56	649.13	354.99	1.50	14544605.83	2042837.59	
5911.66	11.19	28.67	5809.00	651.13	356.08	1.50	14544607.83	2042838.68	ENTER TARGET
6000.00	9.86	28.67	5895.85	665.29	363.82	1.50	14544621.99	2042846.42	
6100.00	8.36	28.67	5994.58	679.18	371.42	1.50	14544635.88	2042854.02	
6200.00	6.86	28.67	6093.70	690.80	377.78	1.50	14544647.50	2042860.38	
6300.00	5.36	28.67	6193.13	700.14	382.88	1.50	14544656.84	2042865.48	
6400.00	3.86	28.67	6292.80	707.19	386.74	1.50	14544663.89	2042869.34	
6500.00	2.36	28.67	6392.65	711.96	389.34	1.50	14544668.66	2042871.94	
6600.00	0.86	28.67	6492.61	714.42	390.69	1.50	14544671.12	2042873.29	
6657.39	0.00	28.67	6550.00	714.80	390.90	1.50	14544671.50	2042873.50	
6700.00	0.00	28.67	6592.61	714.80	390.90	0.00	14544671.50	2042873.50	
6800.00	0.00	28.67	6692.61	714.80	390.90	0.00	14544671.50	2042873.50	
6900.00	0.00	28.67	6792.61	714.80	390.90	0.00	14544671.50	2042873.50	
7000.00	0.00	28.67	6892.61	714.80	390.90	0.00	14544671.50	2042873.50	
7100.00	0.00	28.67	6992.61	714.80	390.90	0.00	14544671.50	2042873.50	
7200.00	0.00	28.67	7092.61	714.80	390.90	0.00	14544671.50	2042873.50	
7300.00	0.00	28.67	7192.61	714.80	390.90	0.00	14544671.50	2042873.50	
7400.00	0.00	28.67	7292.61	714.80	390.90	0.00	14544671.50	2042873.50	
7500.00	0.00	28.67	7392.61	714.80	390.90	0.00	14544671.50	2042873.50	
7600.00	0.00	28.67	7492.61	714.80	390.90	0.00	14544671.50	2042873.50	
7700.00	0.00	28.67	7592.61	714.80	390.90	0.00	14544671.50	2042873.50	
7800.00	0.00	28.67	7692.61	714.80	390.90	0.00	14544671.50	2042873.50	
7900.00	0.00	28.67	7792.61	714.80	390.90	0.00	14544671.50	2042873.50	
8000.00	0.00	28.67	7892.61	714.80	390.90	0.00	14544671.50	2042873.50	
8100.00	0.00	28.67	7992.61	714.80	390.90	0.00	14544671.50	2042873.50	
8200.00	0.00	28.67	8092.61	714.80	390.90	0.00	14544671.50	2042873.50	
8300.00	0.00	28.67	8192.61	714.80	390.90	0.00	14544671.50	2042873.50	
8326.39	0.00	28.67	8219.00	714.80	390.90	0.00	14544671.50	2042873.50	MESAVERDE
8400.00	0.00	28.67	8292.61	714.80	390.90	0.00	14544671.50	2042873.50	
8500.00	0.00	28.67	8392.61	714.80	390.90	0.00	14544671.50	2042873.50	
8600.00	0.00	28.67	8492.61	714.80	390.90	0.00	14544671.50	2042873.50	
8700.00	0.00	28.67	8592.61	714.80	390.90	0.00	14544671.50	2042873.50	
8800.00	0.00	28.67	8692.61	714.80	390.90	0.00	14544671.50	2042873.50	

Company: Anadarko-Kerr-McGee	Date: 12/6/2007	Time: 09:50:34	Page: 3
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 921-16D, Grid North	
Site: NBU 921-16D	Vertical (TVD) Reference:	SITE 4870.0	
Well: 921-16D	Section (VS) Reference:	Well (0.00N,0.00E,28.67Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8900.00	0.00	28.67	8792.61	714.80	390.90	0.00	14544671.50	2042873.50	
9000.00	0.00	28.67	8892.61	714.80	390.90	0.00	14544671.50	2042873.50	
9100.00	0.00	28.67	8992.61	714.80	390.90	0.00	14544671.50	2042873.50	
9200.00	0.00	28.67	9092.61	714.80	390.90	0.00	14544671.50	2042873.50	
9300.00	0.00	28.67	9192.61	714.80	390.90	0.00	14544671.50	2042873.50	
9400.00	0.00	28.67	9292.61	714.80	390.90	0.00	14544671.50	2042873.50	
9500.00	0.00	28.67	9392.61	714.80	390.90	0.00	14544671.50	2042873.50	
9600.00	0.00	28.67	9492.61	714.80	390.90	0.00	14544671.50	2042873.50	
9700.00	0.00	28.67	9592.61	714.80	390.90	0.00	14544671.50	2042873.50	
9800.00	0.00	28.67	9692.61	714.80	390.90	0.00	14544671.50	2042873.50	
9900.00	0.00	28.67	9792.61	714.80	390.90	0.00	14544671.50	2042873.50	
10000.00	0.00	28.67	9892.61	714.80	390.90	0.00	14544671.50	2042873.50	
10100.00	0.00	28.67	9992.61	714.80	390.90	0.00	14544671.50	2042873.50	
10200.00	0.00	28.67	10092.61	714.80	390.90	0.00	14544671.50	2042873.50	
10300.00	0.00	28.67	10192.61	714.80	390.90	0.00	14544671.50	2042873.50	
10357.39	0.00	28.67	10250.00	714.80	390.90	0.00	14544671.50	2042873.50	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
PBHL	-Circle (Radius: 100) -Plan hit target		10250.00	714.80	390.90	14544671.50	2042873.50	40 2 32.031 N	109 33 43.537 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
2950.00	2950.00	KOP
5911.66	5809.00	ENTER TARGET
10357.39	10250.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5289.84	5209.00	WASATCH		0.00	0.00
8326.39	8219.00	MESAVERDE		0.00	0.00



Weatherford

Weatherford Drilling Services

GeoDec v4.1.130

Report Date: December 06, 2007
 Job Number: 40xxxxxx
 Customer: Anadarko E&P
 Well Name: NBU 921-16D
 API Number: Verify on rig
 Rig Name: _____
 Location: Uintah County, Utah
 Block: _____
 Engineer: Bryce Oman

Geodetic Latitude / Longitude	Universal Transverse Mercator
System: Latitude / Longitude	System: Zone 12N (114 W to 108 W)
Projection: Geodetic Latitude and Longitude	Projection: Transverse Mercator/Gauss Kruger
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
Latitude 40.0402062 DEG	North/South 14543956.700 FT
Longitude -109.5635472 DEG	East/West 2042482.600 FT
	Grid Convergence: .92427566°
	Total Correction: +10.6564°

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude = 40.04021° N	40°	2 min 24.742 sec
Longitude = 109.56355° W	109°	33 min 48.770 sec

Magnetic Declination =	+11.5810°	[True North Offset]
Local Gravity =	.9995 g	
Local Field Strength=	52740 nT	Mag Vector X = 21011 nT
Dip =	66.0040°	Mag Vector Y = 4306 nT
Model File:	bggm2006	Mag Vector Z = 48181 nT
Spud Date:	Dec 06, 2007	Mag Vector H = 21448 nT

Signed: _____ Date: _____

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.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
UTU-38409

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 921-16D-15

9. API Well No.
4304739401

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

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 SEC. 16, T9S, R21E 1136'FNL, 549'FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input 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 checked="" type="checkbox"/> Other PRODUCTION START-UP
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity

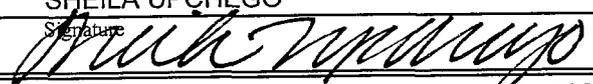
13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical 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 recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 04/03/2008 AT 7:53 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
APR 15 2008
DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date April 3, 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.

WINS No.: 94959

NBU 921-16D

Start Date: 11/28/2007

AFE No.: 2007712

Operation Summary Report

End Date: 3/18/2008

Operator KERR-MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 11/28/07	GL 4,870	KB 4884	ROUTE
API 4304739401	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Lat./Long.: Lat./Long.: 40.04025 / -109.56422		Q-Q/Sept/Town/Range: NWNW / 16 / 9S / 21E	Footages: 1,136.00' FNL 549.00' FWL		
MTD 9955	TVD 12048	LOG MD	PBMD	PBTVD	

EVENT INFORMATION: EVENT ACTIVITY: DRILLING REASON:
 OBJECTIVE: DEVELOPMENT DATE WELL STARTED/RESUMED:
 OBJECTIVE2: Event End Status: COMPLETE

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
ENSIGN 12 / 12	03/04/2008	03/04/2008	03/03/2008	03/06/2008	03/16/2008	03/18/2008	03/14/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
11/28/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 11:00	11.00	DRLCON	12		P	WAIT ON PETE MARTIN BUCKET RIG
	11:00 - 17:00	6.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1100 HR 11/28/07 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 53 BLM AND STATE NOTIFIED OF SPUD
	17:00 - 0:00	7.00	DRLCON	12		P	WOAR
12/8/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 9:30	9.50	DRLSUR	12		P	WAIT ON BILL JR AIR RIG
	9:30 - 12:00	2.50	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0930 HR 12/8/07 DA AT REPORT TIME 300'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 810'
12/9/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1170'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1650'
12/10/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER
12/11/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 8:00	8.00	DRLSUR	02		P	RIG T/D @ 2760' CONDITION HOLE 1.5 HR
	8:00 - 11:00	3.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
	11:00 - 14:00	3.00	DRLSUR	11		P	RUN 2725' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	14:00 - 16:00	2.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 260 SKS LEAD @ 11# 3.82 23 GAL/SK 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 22 BBL LEAD CMT TO PIT
	16:00 - 16:30	0.50	DRLSUR	15		P	1ST TOP JOB 150 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
	16:30 - 18:30	2.00	DRLSUR	15		P	2ND TOP JOB 75 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	18:30 - 0:00	5.50	DRLSUR	12		P	NO VISIBLE LEAKS PIT + - 1/2 FULL WORT

Wins No.: 94959

NBU 921-16D

API No.: 4304739401

EVENT INFORMATION: EVENT ACTIVITY: DRILLING REASON:
 OBJECTIVE: DEVELOPMENT DATE WELL STARTED/RESUMED:
 OBJECTIVE2: Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location
 ENSIGN 12 / 12 03/04/2008 03/04/2008 03/03/2008 03/06/2008 03/16/2008 03/18/2008 03/14/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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3/3/2008

SUPERVISOR: BRUCE TAYLOR

0:00	- 8:00	8.00	MIRU	01	E	P	RIG DOWN FROM THE NBU 921-10H AND PREPARE TO MOVE.
8:00	- 8:30	0.50	MIRU	01	E	P	LOWER DERRICK @ 08:30.
8:30	- 0:00	15.50	MIRU	01	E	P	CONTINUE RIGGING DOWN AND PREPARE TO MOVE.

3/4/2008

SUPERVISOR: BRUCE TAYLOR/JAMES GOBER

0:00	- 7:00	7.00	RDMO	01	E	P	RIG DOWN RIG AND READY RIG FOR TRUCKS.
7:00	- 11:00	4.00	RDMO	01	A	P	HOLD PRESAFETY MEETING W/ JONES TRUCKING AND TEAR DOWN RIG AND MOVE OUT.
11:00	- 15:00	4.00	MIRU	01	A	P	MOVE IN RIG AND RIG UP RIG, RIG 100% SPOTTED IN, TRUCKS RELEASED @ 15:00.
15:00	- 0:00	9.00	MIRU	01	B	P	RAISE DERRICK AND RIG UP RIG. 50% RIGGED UP

3/5/2008

SUPERVISOR: JAMES GOBER

0:00	- 15:00	15.00	MIRU	01	B	P	RIG UP RIG. DO PRESPUD INSPECTION OF RIG.
15:00	- 20:00	5.00	DRLPRO	13	A	P	NIPPLE UP BOP, CHOKE, FLOWLINE, AND FLARE LINES. FUNCTION TEST BOP'S.
20:00	- 0:00	4.00	DRLPRO	13	C	P	PRESSURE TEST W/ B C QUICK TEST. TEST ALL BOP EQUIPMENT TO 5000 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN, TEST HYDRIL TO 2500 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN, TEST CASING TO 1500 PSI FOR 30 MIN.

3/6/2008

SUPERVISOR: JAMES GOBER

0:00	- 1:00	1.00	DRLPRO	13	C	P	PRESSURE TEST ALL BOP RELATED EQUIPMENT AND CSG
1:00	- 6:30	5.50	DRLPRO	05	A	P	HOLD PRE-SAFETY MEETING AND RIG UP WEATHERFORD TRS, INSTALL WEAR RING, P/U BHA TAG CEMENT STREAMERS 2485'. RIG DOWN WEATHERFORD TRS.
6:30	- 7:30	1.00	DRLPRO	13	B	P	INSTALL ROT. RUBBER, AND DRIVE BUSHING, TORQUE KELLY, CHECK SURFACE EQUIPMENT.
7:30	- 8:30	1.00	DRLPRO	02	F	P	DRILL CEMENT AND FLOAT EQUIPMENT. SHOE @ 2739'.
8:30	- 10:00	1.50	DRLPRO	02	B	P	SPUD 2750' 3/6/2008 08:40 DRLG F/ 2750'- 2856' (106', 70.6 FPH)
10:00	- 10:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY 2784' = 1.05 DEGREES.
10:30	- 15:00	4.50	DRLPRO	02	B	P	DRLG F/ 2856' - 3203' (347', 77 FPH) MUD WT 8.6 VIS 30
15:00	- 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION BOP.
15:30	- 17:30	2.00	DRLPRO	02	B	P	DRLG 3203' - 3424' (221', 110' PHR) MUD WT 8.7 VIS 32
17:30	- 18:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY 3352' = 1.58 DEGREES
18:00	- 0:00	6.00	DRLPRO	02	B	P	DRLG 3424' - 3896' (472', 78.6' FPH) MUD WT 8.8 VIS 34

3/7/2008

SUPERVISOR: JAMES GOBER

0:00	- 7:30	7.50	DRLPRO	02	B	P	DRLG F/ 3896' - 4397' (501', 66.8' PH) MUD WT/VIS 9.0/34.
7:30	- 8:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY 4325' = 2.44 DEGREES.
8:00	- 15:00	7.00	DRLPRO	02	B	P	DRLG F/ 4397' TO 4961' (564', 80.5' PH) MUD WT/ VIS 9.3/38.
15:00	- 15:30	0.50	DRLPRO	06	A	P	RIG SERVICE. FUNCTION BOP'S.
15:30	- 19:30	4.00	DRLPRO	02	B	P	DRLG F/ 4961' - 5181' (220', 55'/HR) MUD WT/VIS 9.5/ 40.
19:30	- 20:30	1.00	DRLPRO	16	B	X	WORK TIGHT HOLE 5181' TO 5151', LD 1 JT, REAM OUT TIGHT HOLE.
20:30	- 0:00	3.50	DRLPRO	02	B	P	DRLG F/ 5181' - 5339' (158, 45' PH) MUD WT/ VIS 9.8/ 45.

3/8/2008

SUPERVISOR: JAMES GOBER

Wins No.: 94959

NBU 921-16D

API No.: 4304739401

EVENT INFORMATION:

EVENT ACTIVITY: DRILLING
OBJECTIVE: DEVELOPMENT
OBJECTIVE2:

REASON:

DATE WELL STARTED/RESUMED:
Event End Status: COMPLETE

RIG OPERATIONS:

Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
03/04/2008	03/04/2008	03/03/2008	03/06/2008	03/16/2008	03/18/2008	03/14/2008

ENSIGN 12 / 12

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRLG F/ 5339' - 5749' (410', 29'/HR) MUD WT 9.9 VIS 45
	14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE, FUNCTION BOP.
	14:30 - 23:00	8.50	DRLPRO	02	B	P	DRLG F/ 5749' - 6019' (270', 31.8'/HR) MUD WT 10.1 VIS 45
	23:00 - 0:00	1.00	DRLPRO	04	D	X	LOSS FULL RETURNS, MIX 12% SLUG AND PUMP, RAISE LCM% IN PITS. REGAINED CIRC.(LOSS APPROX 150 BBLs MUD)

3/9/2008

SUPERVISOR: JAMES GOBER

0:00 - 4:30	4.50	DRLPRO	04	D	X	REBUILD VOLUME FROM LOSS CIRC AFTER REGAINING 99% CIRC, RAISE LCM TO 10%.
4:30 - 14:00	9.50	DRLPRO	02	B	P	DRLG F/ 6019' - 6441' (422', 44.4'/HR) SEEPING 10 BBLs HR, RAISE LCM TO 12%, MUD WT 10, VIS 45.
14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE, FUNCTION BOP'S.
14:30 - 0:00	9.50	DRLPRO	02	B	P	DRLG 6441'- 6750' (309, 32.5'/HR) MUD WT 10 VIS 45 LCM 12%, NO LOSSES.

3/10/2008

SUPERVISOR: JAMES GOBER

0:00 - 17:00	17.00	DRLPRO	02	B	P	DRLG 6750'- 7220' (470', 27.6'/HR) MUD WT 10.0 VIS 45 MIX DRY JOB AND PUMP.
17:00 - 17:30	0.50	DRLPRO	06	A	P	RIG SERVICE, PREPARE FOR TRIP. DROP SURVEY
17:30 - 21:30	4.00	DRLPRO	05	A	P	TRIP FOR NEW BIT, (TIGHT HOLE 5151' 25K OVERPULL), FUNCTION BOP, C/O BIT #2, MOTOR OK.
21:30 - 22:00	0.50	DRLPRO	06	A	P	RIG SERVICE
22:00 - 23:30	1.50	DRLPRO	05	A	P	TRIP IN HOLE TO 3600'
23:30 - 0:00	0.50	DRLPRO	04	H	P	CIRC OUT BOTTOMS UP.

3/11/2008

SUPERVISOR: JAMES GOBER

0:00 - 2:00	2.00	DRLPRO	05	A	P	TRIP IN HOLE TO BOTTOM, LOSS 20-30 BBLs OF MUD. NO FILL
2:00 - 14:30	12.50	DRLPRO	02	B	P	DRLG F/ 7220' - 7575' (355', 28.4'/HR) MUD WT 10.3 VIS 53
14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE, FUNCTION BOP.
15:00 - 21:00	6.00	DRLPRO	02	B	P	DRLG F/ 7575' - 7763' (188', 31.3'/HR) MUD WT 10.4 VIS 49. LOST 100+ BBLs HR. (LOST 35 BBLs)
21:00 - 0:00	3.00	DRLPRO	04	D	X	P/U REDUCE PUMP STROKES, RAISE LCM TO 16%, (LOST 75 BBLs OF MUD TOTAL)

3/12/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 0:30	0.50	DRLPRO	04	D	X	RAISE LCM 16% TO CONTROL LOSSES
0:30 - 14:30	14.00	DRLPRO	02	B	P	DRLG F/ 7763' - 8077' (314' @ 22.4 fph) 48 vis - 10.7 ppg
14:30 - 15:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / FUNCTION TEST PIPE RAMS
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILL F/ 8077' - T/ 8359' (282' @ 33.1 fph) 46 vis - 10.7 ppg

3/13/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 0:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
0:30 - 11:30	11.00	DRLPRO	02	B	P	DRILL F/ 8359' - T/ 8611' (252' @ 22.9 fph) 46 vis / 10.7 ppg
11:30 - 12:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
12:00 - 0:00	12.00	DRLPRO	02	B	P	DRILL F/ 8611' - T/ 8895' (284' @ 23.6 fph) 47 vis / 10.9 ppg

3/14/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 0:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
0:30 - 9:00	8.50	DRLPRO	02	B	P	DRILL F/ 8895' - T/ 9066' (171' @ 17.1 fph) 46 vis - 11.0 ppg

Wins No.: 94959

NBU-921-16D

API No.: 4304739401

EVENT INFORMATION:

EVENT ACTIVITY: DRILLING
OBJECTIVE: DEVELOPMENT
OBJECTIVE2:

REASON:

DATE WELL STARTED/RESUMED:
Event End Status: COMPLETE

RIG OPERATIONS:

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

ENSIGN 12 / 12

03/04/2008

03/04/2008

03/03/2008

03/06/2008

03/16/2008

03/18/2008

03/14/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	9:00 - 15:00	6.00	DRLPRO	05	A	P	PUMP PILL / DROP SURVEY / P.O.O.H. FOR BIT CHANGE / HOLE TIGHT F/ 5075' - T/ 5166' / WORKED TIGHT SPOT OUT / CHANGE OUT MOTOR & BIT
	15:00 - 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / FUNCTION TEST BLIND RAMS
	15:30 - 21:00	5.50	DRLPRO	05	A	P	T.I.H. / WORK THROUGH BRIDGE F/ 5075' - T/ 5166'
	21:00 - 21:30	0.50	DRLPRO	03	D	P	FILL DRILL PIPE / WASH & REAM F/ 9026' - T/ 9066' W/ 15' OF FILL / 10' FLARE W/ BOTTOMS UP
	21:30 - 23:30	2.00	DRLPRO	02	B	P	DRILL F/ 9066' - T/ 9116' (50' @ 25 fph) 48 vis - 11.0 ppg
	23:30 - 0:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT

3/15/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 12:00	12.00	DRLPRO	02	B	P	DRILL F/ 9116' - T/ 9398' (282' @ 23.5 fph) 47 vis - 11.0 ppg
12:00 - 12:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
12:30 - 0:00	11.50	DRLPRO	02	B	P	DRILL F/ 9398' - T/ 9724' (326' @ 28.3 fph) 52 vis - 11.2 ppg

3/16/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 0:30	0.50	DRLPRO	02	B	P	DRILL F/ 9724' - T/ 9744' (20' @ 40 fph) 52 vis-11.2 ppg
0:30 - 1:00	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
1:00 - 7:00	6.00	DRLPRO	02	B	P	DRILL F/ 9744' - T/ 9881' (137' @ 22.8 fph) 11.4 ppg - 48 vis / STARTED LOSING 80% RETURNS @ 9881'
7:00 - 10:00	3.00	DRLPRO	04	D	X	CIRCULATE WHILE MIXING MUD & L.C.M. TO 22% L.C.M. - 11.4 ppg - 50 vis / LOST APPROXIMATELY 200 bbls UNTIL FULL RETURNS
10:00 - 13:30	3.50	DRLPRO	02	B	P	DRILL F/ 9881' - T/ 9955' (74' @ 21.1 fph) 11.4 ppg - 47 vis - 22% L.C.M. (9955' = T.D.)
13:30 - 14:30	1.00	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR SHORT TRIP
14:30 - 16:30	2.00	DRLPRO	05	E	P	SHORT TRIP 15 STANDS W/ NO PROBLEMS & NO FILL
16:30 - 18:00	1.50	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP & CONDITION HOLE FOR L.D.D.P. (3110 UNITS GAS - NO FLARE OBSERVED)
18:00 - 0:00	6.00	DRLPRO	05	B	P	PUMP PILL / DROP SURVEY / LAY DOWN DRILL PIPE

3/17/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 3:30	3.50	DRLPRO	05	B	P	LAY DOWN DRILL PIPE
3:30 - 4:30	1.00	DRLPRO	13	B	P	PULL ROTATING RUBBER / BREAK KELLY & RELATED TOOLS
4:30 - 8:00	3.50	DRLPRO	05	B	P	LAY DOWN B.H.A. / MOTOR / BIT / RETRIEVE SURVEY
8:00 - 15:00	7.00	DRLPRO	08	F	P	SAFETY MEETING / M.I.R.U. HALLIBURTON EQUIPMENT / RUN QUAD COMBO LOGS F/ 9950' - T/ SURFACE / R.D.M.O. LOGGING EQUIPMENT
15:00 - 15:30	0.50	DRLPRO	11	A	P	SAFETY MEETING / M.I.R.U. T-REX CASING EQUIPMENT
15:30 - 23:30	8.00	DRLPRO	11	B	P	RUN 230 JOINTS OF #11.6 - I-80 LT&C 4.50 CASING + TOOLS / BREAKING CIRCULATION AS NEEDED
23:30 - 0:00	0.50	DRLPRO	04	A	P	FILL CASING / CONDITION HOLE FOR MANDREL INSTALL

3/18/2008

SUPERVISOR: KENNETH GATHINGS

0:00 - 1:00	1.00	DRLPRO	11	B	P	RUN 5 JTS CASING / INSTALL MANDREL / WASH 3' TO CASING SET POINT (9945')
1:00 - 3:00	2.00	DRLPRO	04	E	P	CIRCULATE & CONDITION HOLE FOR CEMENT / R.D.M.O. CASING EQUIPMENT / SAFETY MEETING / M.I.R.U. HALLIBURTON EQUIPMENT
3:00 - 7:00	4.00	DRLPRO	15	A	P	INSTALL CEMENT HEAD / PRESSURE TEST PUMPS & LINES TO 4000 PSI / CEMENT WELL AS PER PROGRAM / LOST RETURNS W/ 127 BBLs DISPLACEMENT AWAY / FINAL LIFT PRESSURE TO 3000 PSI / BUMP PLUG @ 3500 PSI / FLOATS HELD / PLUG DOWN @ 06:25 HOURS / NO CEMENT TO SURFACE

EVENT INFORMATION: EVENT ACTIVITY: DRILLING REASON:
 OBJECTIVE: DEVELOPMENT DATE WELL STARTED/RESUMED:
 OBJECTIVE2: Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location
 ENSIGN 12 / 12 03/04/2008 03/04/2008 03/03/2008 03/06/2008 03/16/2008 03/18/2008 03/14/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:00 - 8:00	1.00	DRLPRO	11	B	P	LAND MANDREL / PRESSURE TEST MANDREL SEALS TO 5000 PSI / RELEASE B.O.P. FROM WELL HEAD
	8:00 - 8:00	0.00	DRLPRO				
	8:00 - 13:00	5.00	DRLPRO	13	A	P	NIPPLE DOWN B.O.P. EQUIPMENT / WASH AND CLEAN B.O.P. EQUIPMENT & PITS / RELEASE RIG @ 13:00 HOURS ON 03/18/2008

Wins No.: 94959

NBU 921-16D

API No.: 4304739401

EVENT INFORMATION:

EVENT ACTIVITY: COMPLETION
OBJECTIVE: DEVELOPMENT
OBJECTIVE2: ORIGINAL

REASON: MV

DATE WELL STARTED/RESUMED:

Event End Status:

RIG OPERATIONS:

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

MILES 2 / 2

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:00 - 17:00	10.00	COMP	36	B	P	7:00 A.M. HSM

MIRU CUTTERS, MIRU WEATHERFORD. P/U 3 3/8" PERF GUNS & RIH. SHOOT 20 HOLES F/ 9875' - 80', P/U SHOOT 16 HOLES F/ 9848' - 52', P/U SHOOT 9 HOLES F/ 9737' - 40'. POOH. PRIME PMP'S, PSI TST LINES TO 8500# (HELD).

NOTE: ALL STAGES INCLUDE NALCO DVE-005 SCALE INHIB. 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN FLUSH & PRE PAD. ALL FLUID TREATED W/ NALCO BIOCIDE @ .25 GPT. ALL STAGES SHOT W/ 3 3/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES. 3 & 4 SPF, 90 & 120 DEG PHASING. ALL STAGES TREATED W/ 30/50 SAND TAILED IN W/ 5000# TLC SAND FOR SAND CONTROLL. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S.

STG 1: BRK DWN PERF'S @ 4179#, EST INJ RT @ 50.3 BPM @ 5000#, ISIP 3385#, FG .79. TREAT STG 1 W/ 63,630# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL. 1855 BBLs. ISIP 3058#, NPI -327#, FG .75

STG 2: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9630', P/U SHOOT 24 HOLES F/ 9594' - 9600', P/U SHOOT 16 HOLES F/ 9554' - 58', POOH, BRK DWN PERF'S @ 6412#, EST INJ RT @ 50.4 BPM @ 5600#, ISIP 3405#, FG .80, TREAT STG 2 W/ 56,250# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1571 BBLs. ISIP 3011#, NPI -394#, FG .76

STG 3: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9436', P/U SHOOT 40 HOLES F/ 9396' - 9406', POOH. BRK DWN PERF'S @ 7158#, EST INJ RT @ 39.3 BPM @ 4400#, ISIP 2825#, FG .74, TREAT STG 3 W/ 14,825# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 525 BBLs. ISIP 2947#, NPI 122#, FG .76

STG 4: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9325', P/U SHOOT 40 HOLES F/ 9285' - 95', POOH. BRK DWN PERF'S @ 7303#, EST INJ RT @ 50.2 BPM @ 5450#, ISIP 2732#, FG .74, TREAT STG 4 W/ 23,300# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 741 BBLs. ISIP 2959#, NPI 227#, FG .76

STG 5: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9034', P/U SHOOT 24 HOLES F/ 8998' - 9004', P/U SHOOT 12 HOLES F/ 8923' - 26', P/U SHOOT 8 HOLES F/ 8864' - 66', POOH. BRK DWN PERF'S @ 7427#, EST INJ RT @ 50 BPM @ 5800#, ISIP 3428#, FG .83, TREAT STG 5 W/ 91,200# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2349 BBLs. ISIP 3040#, NPI -388#, FG .78

STG 6: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8630', P/U SHOOT 20 HOLES F/ 8560' - 65', P/U SHOOT 16 HOLES F/ 8470' - 74', P/U SHOOT 9 HOLES F/ 8446' - 49'. POOH. SWL SDFN

4/3/2008

SUPERVISOR: JEFF SAMUELS

Wins No.: 94959

NBU 921-16D

API No.: 4304739401

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION
OBJECTIVE: DEVELOPMENT
OBJECTIVE2: ORIGINAL

REASON: MV
DATE WELL STARTED/RESUMED:
Event End Status:

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

MILES 2 / 2

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:00 - 17:00	10.00	COMP	36	B	P	7:00 A.M. HSM CONT TO FRAC. STG 6: BRK DWN PERF'S @ 2571#, EST INJ RT @ 50.2 BPM @ 4500#, ISIP 2053#, FG .68, TREAT STG 6 W/ 109,300# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2812 BBLs. ISIP 2581#, NPI 528#, FG .75 STG 7: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8369', P/U SHOOT 20 HOLES F/ 8334' - 39', P/U SHOOT 16 HOLES F/ 8260' - 64', P/U SHOOT 12 HOLES F/ 8198' - 8202', POOH. BRK DWN PERF'S @ 2956#, EST INJ RT @ 50.5 BPM @ 4000#, ISIP 1880#, FG .67, TREAT STG 7 W/ 78,450# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1980 BBLs. ISIP 2487#, NPI 607#, FG .74 P/U 4 1/2" CBP & RIH. SET KILL PLUG @ 8148'. POOH. RDMO CUTTERS. RDMO WEATHERFORD FRAC SVC. ND FRAC VLV'S, NUBOPE. P/U 3 7/8" BIT, POBS & RIH. TAG KILL PLUG @ 8148'. R/U DRL EQUIP. R/U PMP & LINES. PREP TO DRL OUT CBP'S IN A.M. SWL SDFN

4/4/2008

SUPERVISOR: JEFF SAMUELS

7:00 - 17:00 10.00 COMP 44 C P

7:00 A.M. HSM
BRK CONV CIRC W/ 2% KCL & BEG TO DRL

DRL UP 1ST CBP @ 8148', (500# PSI INC). CONT TO RIH. TAG FILL @ 8319', (50' FILL). C/O TO 2ND CBP @ 8369'.

DRL UP 2ND CBP, (600# PSI INC). CONT TO RIH. TAG FILL @ 8570', (60' FILL). C/O TO 3RD CBP @ 8630'.

DRL UP 3RD CBP (300# PSI INC). CONT TO RIH. TAG FILL @ 9004', (30' FILL). C/O TO 4TH CBP @ 9034'.

DRL UP 4TH CBP (400# PSI INC). CONT TO RIH. TAG FILL @ 9300', (25' FILL). C/O TO 5TH CBP @ 9325'.

DRL UP 5TH CBP (400# PSI INC). CONT TO RIH. TAG FILL @ 9411', (25' FILL). C/O TO 6TH CBP @ 9436'.

DRL UP 6TH CBP (400# PSI INC). CONT TO RIH. TAG FILL @ 9600' (30' FILL). C/O TO 7TH CBP @ 9900'.

DRL UP 7TH CBP (400# PSI INC). CONT TO RIH. TAG FILL @ 9871', (30' FILL). C/O TO PBTD @ 9901'. CIRC WELL CLEAN. RD DRL EQUIP. POOH L/D 28 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 9239', NDBOPE. NUWH. PMP OFF THE BIT SUB @ 2700#. R/U FLOW BACK EQUIP. TURN OVER TO FLOW BACK CREW. RDMO

SICP 1650#
FTP 100#
48/64 CHOKE

TBG ON LOC 322 JTS
TBG IN WELL 294 JTS
TBG LEFT ON TRAILER 28 JTS

4/5/2008

SUPERVISOR: JEFF SAMUELS

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION REASON: MV
 OBJECTIVE: DEVELOPMENT DATE WELL STARTED/RESUMED:
 OBJECTIVE2: ORIGINAL Event End Status:

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

MILES 2 / 2

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	7:00 -						7 AM FLOWBACK REPORT: CP 15000#, TP 1600#, CK 20/64", 60 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 4318 BBLS LEFT TO RECOVER: 7515
4/6/2008							
	7:00 -						7 AM FLOWBACK REPORT: CP 19000#, TP 1400#, CK 20/64", 40 BWPH, TRACE SAND, MED GAS TTL BBLS RECOVERED: 5483 BBLS LEFT TO RECOVER: 6350
4/7/2008							
	7:00 -						7 AM FLOWBACK REPORT: CP 28000#, TP 1800#, CK 20/64", 33 BWPH, TRACE SAND, HVY GAS TTL BBLS RECOVERED: 6297 BBLS LEFT TO RECOVER: 5536

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

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

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

At surface **NW/NW 1136'FNL, 549'FWL**

At top prod. interval reported below

At total depth

14. Date Spudded **11/28/07**
 15. Date T.D. Reached **03/16/08**
 16. Date Completed D & A Ready to Prod. **04/03/08**

18. Total Depth: MD **9955'** TVD
 19. Plug Back T.D.: MD **9901'** TVD
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 22. Was well cored? No Yes (Submit copy)
 Was DST run? No Yes (Submit copy)
 Directional Survey? No Yes (Submit copy)

V CBL-CCL-GR; BHCS, 50/DNS/ARABX COMP/TAVE RES

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"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2760'		685 SX			
7 7/8"	4 1/2"	11.6#		9955'		1570 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9239'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8198'	9880'	8198'-9880'	0.36	302	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and type of Material
8198'-9880'	PMP 11,833 BBLS SLICK H2O & 436,955# 30/50 SD

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MAY 08 2008

DIV. OF OIL, GAS & MINING

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
04/03/08	04/08/08	24	→	5	1,990	360			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 1550#	Csg. Press. 2400#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	2400#	→	5	1990	360			PRODUCING GAS WELL

28a. Production - Interval B

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

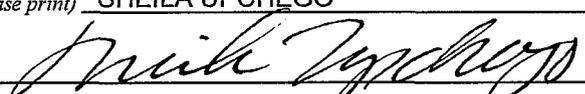
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	5239' 8240'	8240'			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

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

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

Name (please print) SHEILA UPCHEGO Title SENIOR LAND ADMIN SPECIALIST
 Signature  Date 05/01/08

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
UTU-38409

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

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

8. Well Name and No.
NBU 921-16D - 15

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

9. API Well No.
4304739401

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

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

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW1/4 SEC. 16, T9S, R21E 1136'FNL, 549'FWL

11. Country or Parish, State
UINTAH COUNTY, UTAH

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

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

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

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH FORMATION. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 2.5.2009

Initials: KS

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)
SHEILA UPCHEGO

Title REGULATORY ANALYST

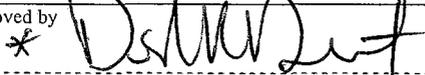
Signature



Date 01/23/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

* 

Title

Pet. Eng.

Date

2/3/09

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

Office

DOGm

RECEIVED

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

JAN 28 2009

(Instructions on page 2)

* Cause 173-14

DIV. OF OIL, GAS & MINING

Name: NBU 921-16D
Location: NWNW 16 T9S R21E
Uintah County, UT
Date: 1/16/09

ELEVATIONS: 4870 GL 4884 KB

TOTAL DEPTH: 9955 **PBTD:** 9901
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2739'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9945'
 Marker Joint **5195 - 5216'**

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:

1792' Green River
 2102' Birds Nest
 2485' Mahogany
 5223' Wasatch
 8237' Mesaverde

CBL indicates good cement below 2900'

GENERAL:

- A minimum of **19** 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 3/24/08
- **5** fracturing stages required for coverage.
- Procedure calls for 6 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9225
- Originally completed on 4/2/08

Existing Perforations:

<u>Formation (Bench)</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>
MESA VERDE	8198	8202	3	12	04/02/2008
MESA VERDE	8260	8264	4	16	04/02/2008
MESA VERDE	8334	8339	4	20	04/02/2008
MESA VERDE	8446	8449	3	9	04/02/2008
MESA VERDE	8470	8474	4	16	04/02/2008
MESA VERDE	8560	8565	4	20	04/02/2008
MESA VERDE	8864	8866	4	8	04/02/2008
MESA VERDE	8923	8926	4	12	04/02/2008
MESA VERDE	8998	9004	4	24	04/02/2008
MESA VERDE	9285	9295	4	40	04/02/2008
MESA VERDE	9396	9406	4	40	04/02/2008
MESA VERDE	9554	9558	4	16	04/02/2008
MESA VERDE	9594	9600	4	24	04/02/2008
MESA VERDE	9737	9740	3	9	04/02/2008
MESA VERDE	9848	9852	4	16	04/02/2008
MESA VERDE	9875	9880	4	20	04/02/2008

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9225'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 7740 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7740 (50' below proposed CBP).
4. Set 8000 psi CBP at ~7690'. 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
WASATCH	7650	7660	4	40
6. Breakdown perms 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 ~7600' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~7418'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
------	------	----	-----	------------

WASATCH	7140	7144	3	12
WASATCH	7230	7236	3	18
WASATCH	7384	7388	3	12

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7090' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~6734'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6428	6432	3	12
WASATCH	6582	6588	3	18
WASATCH	6700	6704	3	12

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6378' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6056'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6016	6026	4	40

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5966' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~5810'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5716	5722	3	18
WASATCH	5774	5780	4	24

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5666' and flush only with recycled water.

15. Set 8000 psi CBP at ~5666'.

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

17. Mill ALL plugs and clean out to PBSD at 9901'. Shear off bit and land tubing at ±9707'. This well WILL be commingled at this time.

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

19. 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:

Fracturing Schedules
 Name NBU 921-16D
 Slickwater Frac

4131.9184
 98.3730095

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	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	WASATCH	7650	7660	4	40	Varied	Pump-in test			Slickwater	0	0						
	WASATCH		no perfs			0	ISIP and 5 min ISIP											48
	WASATCH		no perfs			50	Slickwater Pad			Slickwater	192	192	15.0%	0.0%	0	0		24
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	640	832	50.0%	39.7%	20,156	20,156		40
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	448	1,280	35.0%	60.3%	30,570	50,727		0
	WASATCH					50	Flush (4-1/2")				118	1,398				50,727		48
	WASATCH						ISDP and 5 min ISDP											161
						# of Perfs/stage								gal/ft	2,500	2,359	lbs sand/ft	
											Flush depth				7600	7,419	182	
							29.1	<< Above pump time (min)										
2	WASATCH	7140	7144	3	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH		no perfs			0	ISIP and 5 min ISIP											
	WASATCH		no perfs			50	Slickwater Pad			Slickwater	335	335	15.0%	0.0%	0	0		42
	WASATCH		no perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	1,116	1,451	50.0%	39.7%	35,156	35,156		70
	WASATCH	7230	7236	3	18	50	Slickwater Ramp	1.25	2	Slickwater	781	2,232	35.0%	60.3%	53,320	88,477		0
	WASATCH		no perfs			50	Flush (4-1/2")				110	2,342				88,477		44
	WASATCH		no perfs				ISDP and 5 min ISDP											156
	WASATCH	7384	7388	3	12													
						# of Perfs/stage								gal/ft	2,500	2,359	lbs sand/ft	
											Flush depth				7090	6,734	356	
							48.9	<< Above pump time (min)										
3	WASATCH	6426	6432	3	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH		6582	3	18	0	ISIP and 5 min ISIP											
	WASATCH		no perfs			50	Slickwater Pad			Slickwater	114	114	15.0%	0.0%	0	0		14
	WASATCH		no perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	381	495	50.0%	39.7%	12,000	12,000		24
	WASATCH	6700	6704	3	12	50	Slickwater Ramp	1.25	2	Slickwater	267	762	35.0%	60.3%	18,200	30,200		0
	WASATCH					50	Flush (4-1/2")				99	861				30,200		39
	WASATCH						ISDP and 5 min ISDP											78
						# of Perfs/stage								gal/ft	2,000	1,888	lbs sand/ft	
											Flush depth				6378	6,056	322	
							17.9	<< Above pump time (min)										
4	WASATCH	6016	6026	4	40	Varied	Pump-in test			Slickwater	0	0						
	WASATCH				Look	0	ISIP and 5 min ISIP											
	WASATCH					50	Slickwater Pad			Slickwater	228	228	15.0%	0.0%	0	0		29
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	759	987	50.0%	39.7%	23,906	23,906		48
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	531	1,518	35.0%	60.3%	36,258	60,164		0
	WASATCH					50	Flush (4-1/2")				93	1,611				60,164		38
	WASATCH						ISDP and 5 min ISDP											114
						# of Perfs/stage								gal/ft	2,500	2,359	lbs sand/ft	
											Flush depth				5966	5,810	156	
							33.6	<< Above pump time (min)										
5	WASATCH	5716	5722	3	18	Varied	Pump-in test			Slickwater	0	0						
	WASATCH		5774	4	24	0	ISIP and 5 min ISIP											
	WASATCH				Look	50	Slickwater Pad			Slickwater	259	259	15.0%	0.0%	0	0		33
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	863	1,122	50.0%	39.7%	27,188	27,188		54
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	604	1,726	35.0%	60.3%	41,234	68,422		0
	WASATCH					50	Flush (4-1/2")				88	1,814				68,422		0
	WASATCH						ISDP and 5 min ISDP											87
						# of Perfs/stage								gal/ft	2,500	2,359	lbs sand/ft	
											Flush depth				6666	5,666	0	LOOK
							37.8	<< Above pump time (min)										
	Totals					206					gals bbls	8,023 bbls		Total Sand	297,989			
							2.8					17.8	ranks		Total Scale Inhib. =	596		

Name NBU 921-16D
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	7650	7660	4	40	7647	to	7660
	WASATCH		no perms			7661	to	7669.5
	WASATCH		no perms			7672.5	to	7672.5
	# of Perfs/stage				40	CBP DEPTH	7,418	
2	WASATCH	7140	7144	3	12	7138	to	7144
	WASATCH		no perms			7190	to	7192.5
	WASATCH		no perms			7212.5	to	7212.5
	WASATCH		no perms			7215.5	to	7215.5
	WASATCH	7230	7236	3	18	7224	to	7245
	WASATCH		no perms			7247	to	7248.5
	WASATCH		no perms			7249.5	to	7250.5
	WASATCH	7384	7388	3	12	7383	to	7388.5
# of Perfs/stage				42	CBP DEPTH	6,734		
3	WASATCH	6428	6432	3	12	6428	to	6433
	WASATCH	6582	6588	3	18	6582	to	6588
	WASATCH		no perms			6686	to	6686.5
	WASATCH		no perms			6699	to	6699
	WASATCH	6700	6704	3	12	6700	to	6704.5
# of Perfs/stage				42	CBP DEPTH	6,056		
4	WASATCH	6016	6026	4	40	6000.5	to	6026
	WASATCH				Look	6027.5	to	6027.5
	# of Perfs/stage				40	CBP DEPTH	5,810	
5	WASATCH	5716	5722	3	18	5710.5	to	5725.5
	WASATCH	5774	5780	4	24	5773	to	5783.5
	WASATCH				Look	5784.5	to	5788
# of Perfs/stage				42	CBP DEPTH	5,866		

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	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	WASATCH	7650	7660	4	40	Varied	Pump-in test			Slickwater	0	0						
	WASATCH		no perfs			0	ISIP and 5 min ISIP											48
	WASATCH		no perfs			50	Slickwater Pad			Slickwater	192	192	15.0%	0.0%	0	0		24
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	640	832	50.0%	39.7%	20,156	20,156		40
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	448	1,280	35.0%	60.3%	30,570	50,727		0
	WASATCH					50	Flush (4-1/2")				118	1,398				50,727		48
	WASATCH						ISDP and 5 min ISDP											161
		# of Perfs/stage			40						Flush depth		7600	gal/ft	2,500	2,359	lbs sand/ft	182
						29.1	<< Above pump time (min)								CBP depth	7,418		
2	WASATCH	7140	7144	3	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH		no perfs			0	ISIP and 5 min ISIP											42
	WASATCH		no perfs			50	Slickwater Pad			Slickwater	335	335	15.0%	0.0%	0	0		70
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	1,116	1,451	50.0%	39.7%	35,156	35,156		0
	WASATCH	7230	7236	3	18	50	Slickwater Ramp	1.25	2	Slickwater	781	2,232	35.0%	60.3%	53,320	88,477		44
	WASATCH		no perfs			50	Flush (4-1/2")				110	2,342				88,477		156
	WASATCH		no perfs				ISDP and 5 min ISDP											
	WASATCH	7384	7388	3	12										gal/ft	2,500	2,359	lbs sand/ft
		# of Perfs/stage			42						Flush depth		7090		CBP depth	6,734		356
						48.9	<< Above pump time (min)											
3	WASATCH	6428	6432	3	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	6582	6588	3	18	0	ISIP and 5 min ISIP											14
	WASATCH		no perfs			50	Slickwater Pad			Slickwater	114	114	15.0%	0.0%	0	0		24
	WASATCH		no perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	381	495	50.0%	39.7%	12,000	12,000		0
	WASATCH	6700	6704	3	12	50	Slickwater Ramp	1.25	2	Slickwater	267	762	35.0%	60.3%	18,200	30,200		39
	WASATCH					50	Flush (4-1/2")				99	861				30,200		78
	WASATCH						ISDP and 5 min ISDP											
		# of Perfs/stage			42						Flush depth		6378	gal/ft	2,000	1,888	lbs sand/ft	322
						17.9	<< Above pump time (min)								CBP depth	6,056		
4	WASATCH	6016	6026	4	40	Varied	Pump-in test			Slickwater	0	0						
	WASATCH				Look	0	ISIP and 5 min ISIP											29
	WASATCH					50	Slickwater Pad			Slickwater	228	228	15.0%	0.0%	0	0		48
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	759	987	50.0%	39.7%	23,906	23,906		0
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	531	1,518	35.0%	60.3%	36,258	60,164		38
	WASATCH					50	Flush (4-1/2")				93	1,611				60,164		114
	WASATCH						ISDP and 5 min ISDP											
		# of Perfs/stage			40						Flush depth		5966	gal/ft	2,500	2,359	lbs sand/ft	156
						33.6	<< Above pump time (min)								CBP depth	5,810		
5	WASATCH	5716	5722	3	18	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	5774	5780	4	24	0	ISIP and 5 min ISIP											33
	WASATCH				Look	50	Slickwater Pad			Slickwater	259	259	15.0%	0.0%	0	0		54
	WASATCH					50	Slickwater Ramp	0.25	1.25	Slickwater	863	1,122	50.0%	39.7%	27,188	27,188		0
	WASATCH					50	Slickwater Ramp	1.25	2	Slickwater	604	1,726	35.0%	60.3%	41,234	68,422		0
	WASATCH					50	Flush (4-1/2")				88	1,814				68,422		87
	WASATCH						ISDP and 5 min ISDP											
		# of Perfs/stage			42						Flush depth		5666	gal/ft	2,500	2,359	lbs sand/ft	0
						37.8	<< Above pump time (min)								CBP depth	5,666		LOOK
	Totals				206						gals bbls	8,023	bbls	Total Sand	297,989			
						2.8						17.8	tanks		Total Scale Inhib. =	596		

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-38409

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 921-16D - 15
3a. Address 1368 SOUTH 1200 EAST VERNAL, UTAH 84078	3b. Phone No. (include area code) 435.781.7024	9. API Well No. 4304739401
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW/NW SEC. 16, T9S, R21E 1136/FNL, 549/FWL		10. Field and Pool or Exploratory Area NATURAL BUTTES
		11. Country or Parish, State UINTAH COUNTY, UTAH

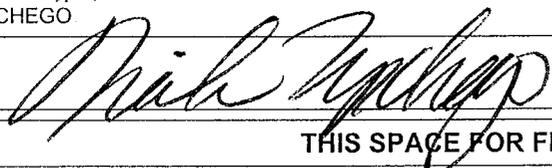
12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

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

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

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE WASATCH FORMATION, AND COMMINGLED THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION ON PRODUCTION ON 03/20/2009 AT 11:45 AM.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) SHEILA UPCHEGO		Title REGULATORY ANALYST
Signature 		Date 04/02/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

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APR 20 2009

DIV OF OIL, GAS & MINING

ROCKIES

Operation Summary Report

Well: NBU 921-16D

Spud Date: 11/28/2007

Project: UTAH

Site: UINTAH

Rig Name No: MILES-GRAY 1/1

Event: RECOMPLETION

Start Date: 3/12/2009

End Date: 3/17/2009

Active Datum: RKB @4,884.00ft (above Mean Sea Level)

UWI: NBU 921-16D

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
3/11/2009	7:00 - 7:30	0.50		48				JSA
	7:30 - 17:00	9.50		30				MOVE IN SPOT RIG & EQUIP RU RIG PUMP 40 BBLS 2% KCL TO CONTROL WELL ND WELLHEAD NU BOPS UNLAND TUB POOH W/294 JNTS OF L-80 TUB RD FLOOR & TUB EQUIP ND BOPS NU FRAC VALVE SWIFN
3/12/2009	7:00 - 7:30	0.50		48				JSA
	7:30 - 14:00	6.50		30				SIWP=150 PSI OPEN WELL TO FBT RU CUTTERS W/L RIH W/ 3.625 GUAGE RING TO 7742' POOH PU BAKER 10K CBP RIH SET @ 7740' POOH LD W/L FILL HOLE W/ 2% KCL NU B&C QUICK TEST TEST CBP, CASING & FRAC VALVES TO 7500 PSI RD B&C RU CUTTERS RIH W/ PERF GUNS PERF THE WASATCH @ 7650-7660' USING 3-3/8" GUN, 23GM.,0.36" HOLE 4SPF RD CUTTERS SWIFW READY TO FRAC MON.
3/16/2009	6:30 - 7:00	0.50	COMP	48		P		MIRU WEATHERFORD AND CUTTERS. HOLD SAFETY MTG.
	7:00 - 8:15	1.25	COMP	36	B	P		PRES TEST SURFACE LINES TO 8500 PSI. GOOD. ALL FLUIDS TREATED W/ SCALE INHIB AND BIOCIDES ON FLY. STAGE #1- OPEN WELL- SICP 912 PSI. BRK 2400 PSI AT 5.3 BPM, ISIP 1964, FG .70. PMP 100 BBLS SLK WTR, 52.3 BPM @ 3730 PSI = 100% PERFS OPEN. MP 5119, MR 54.6, AP 3674, AR 51.5, FG .74, ISIP 2270, NPI 306. BBLS PMP 1537 SLK WTR, 45,835# 30/50 AND 5,000# 40/20 RESIN (TOT PROP 50,835#)
	8:15 - 10:00	1.75	COMP	37	B	P		STAGE #2- PU 4-1/2" BAKER 8K CBP AND 3-3/8" EXP GUNS, 23 GM, .36 HOLES ON 120" PHASING. SET CBP AT 7418'. PULL UP AND PERF 7384-88 (3 SPF), 7230-36 (3 SPF), 7140-44 (3 SPF). 42 HOLES TOTAL. OPEN WELL- SICP 100 PSI. BRK 4704 PSI AT 5.0 BPM, ISIP 1561, FG .66. PMP 100 BBLS SLK WTR, 52.3 BPM @ 3430 PSI = 100% PERFS OPEN. MP 4074, MR 52.5, AP 3216, AR 52.2, FG .71, ISIP 1919, NPI 358. BBLS PMP 2371 SLK WTR, 83,280# 30/50 AND 5,000# 40/20 RESIN (TOT PROP 88,280#)
	10:00 - 11:30	1.50	COMP	37	B	P		STAGE #3- PU 4-1/2" BAKER 8K CBP AND 3-3/8" EXP GUNS, 23 GM, .36 HOLES ON 120" PHASING SET CBP AT 6732'. PULL UP AND PERF 6700-04' (3 SPF), 6582-88 (3 SPF), 6428-32 (3 SPF), 42 HOLES TOTAL. OPEN WELL- SICP 0 PSI. BRK 1614 PSI AT 4.7 BPM, ISIP 1097, FG .61. PMP 100 BBLS SLK WTR, 52.3 BPM @ 3080 PSI = 100% PERFS OPEN. MP 3161, MR 52.9, AP 2618, AR 52.3, FG .62, ISIP 1155, NPI 58. BBLS PMP 871 SLK WTR, 25,268# 30/50 AND 5,000# 40/20 RESIN (TOT PROP 30,268#)

Operation Summary Report

Well: NBU 921-16D		Spud Date: 11/28/2007						
Project: UTAH			Site: UINTAH			Rig Name No: MILES-GRAY 1/1		
Event: RECOMPLETION			Start Date: 3/12/2009			End Date: 3/17/2009		
Active Datum: RKB @4,884.00ft (above Mean Sea Level)			UWI: NBU 921-16D					
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	11:30 - 12:45	1.25	COMP	37	B	P		<p>STAGE #4- PU 4-1/2" BAKER 8K CBP AND 3-3/8" EXP GUNS, 23 GM, .36 HOLES ON 90° PHASING SET CBP AT 6056'. PULL UP AND PERF 6016-26 (4 SPF), 40 HOLES TOTAL.</p> <p>OPEN WELL- SICP 0 PSI. BRK 1640 PSI AT 4.7 BPM, ISIP 1056, FG .62. PMP 100 BBLS SLK WTR, 52.5 BPM @ 2273 PSI = 100% PERFS OPEN. MP 2870, MR 54.7, AP 2273, AR 52.4, FG .65, ISIP 1225, NPI 169. BBLS PMP 1605 SLK WTR, 55,178# 30/50 AND 5,000# 40/20 RESIN (TOT PROP 60,178#)</p>
	12:45 - 14:30	1.75	COMP	37	B	P		<p>STAGE #5- PU 4-1/2" BAKER 8K CBP AND 3-3/8" EXP GUNS, 23 GM, .36 HOLES ON 90° AND 120° PHASING SET CBP AT 5810'. PULL UP AND PERF 5774-80 (4 SPF), 5716-22 (3 SPF), 42 HOLES TOTAL.</p> <p>OPEN WELL- SICP 0 PSI. BRK 4141 PSI AT 4.9 BPM, ISIP 162, FG .47. PMP 100 BBLS SLK WTR, 52.5 BPM @ 2270 PSI = 86% PERFS OPEN (36/42). MP 4141, MR 52.7, AP 2437, AR 52.3, FG .69, ISIP 1425, NPI 1263. BBLS PMP 1728 SLK WTR, 57,763# 30/50 AND 5,000# 40/20 RESIN (TOT PROP 62,763#)</p>
	14:30 - 18:00	3.50	COMP	30		P		<p>RIH W/ 4-1/2" CBP AND SET KILL PLUG AT 5666' RDMO WEATHERFORD FRAC AND CUTTERS. ND FRAC VALVES. NU BOP. RU FLOOR AND TBG EQUIP. MU 3-7/8" BIT, POBS, AND 1.87" XN-NIPPLE AND RIH ON 181 JTS 2-3/8" L-80 TBG AND TAG AT 5689' (SLM). LD 25-JTS TO D/O WITH. RUN BACK IN W/ 24 JTS. HAVE 180-JTS IN. EOT AT 5658'. SDFN</p>
3/17/2009	7:00 - 7:30	0.50	COMP	48		P		JSA-

Operation Summary Report

Well: NBU 921-16D		Spud Date: 11/28/2007	
Project: UTAH		Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: RECOMPLETION		Start Date: 3/12/2009	End Date: 3/17/2009
Active Datum: RKB @4,884.00ft (above Mean Sea Level)		UWI: NBU 921-16D	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 17:30	10.00	COMP	30		P		<p>SITP 0, SICP 0. RU PWR SWIVEL. EST CONV CIRC W/ RIG PUMP.</p> <p>D/O 1st CBP AT 5666' IN 5-MIN (0 PSI INC). RIH TO TAG SAND (30') AT 5780'. C/O SAND TO CBP #2.</p> <p>D/O 2nd CBP AT 5810' IN 5-MIN (0 PSI INC). RIH TO TAG SAND (30') AT 6026'. C/O SAND TO CBP #3.</p> <p>D/O 3rd CBP AT 6056' IN 10-MIN (50 PSI INC). RIH TO TAG SAND (30') AT 6702'. C/O SAND TO CBP #4.</p> <p>D/O 4th CBP AT 6732' IN 10-MIN (200 PSI INC). RIH TO TAG SAND (30') AT 7388'. C/O SAND TO CBP #5.</p> <p>D/O 5th CBP AT 7418' IN 10 MN (400 PSI INC). RIH TO TAG SAND (30') AT 7660'. C/O SAND TO CBP #6.</p> <p>UNLOAD HOLE W/ AIR/FOAM AND EST CIRC.</p> <p>D/O 6th CBP AT 7690' IN 10-MIN (0 PSI INCR).</p> <p>CONTROL TBG W/ 15 BBLs. HANG PER SWIVEL. PULL TO AND REMOVE ST FLOAT. RIH W/ 2-3/8" L-80 TBG TO TAG FILL AT 9806' W/ 313-JTS IN. PU PWR SWIVEL AND START AIR/FOAM DOWN TBG. 30 MIN TO GET GOOD RETURNS. C/O 95' FILL FROM 9806 TO 9901' (PBD) W/ 316-JTS IN. CIRC CLEAN. CONTROL TBG W/ BBLs. RD PWR SWIVEL. POOH AS LD 8-JTS. PU 4" 10K HANGER. LUB IN AND LAND 309-JTS W/ EOT AT 9709.58'. ND BOP. DROP BALL. NU WH. PUMP 8 BBLs SLURRY DOWN TBG THEN START AIR/FOAM. SICP 650. PRESSURE UP TO 1280 PSI TO RELEASE POBS. TBG PRESSURE CAME DOWN TO 1100 AS CSG PRESSURE CAME UP TO 800 PSI. SHUT DOWN FOAM UNIT AND SHUT IN TBG FOR 15-MIN. OPEN TBG TO FBT. FLOWED FOR 5-MIN THEN DIED. SICP 800. TURN OVER TO FLOW BACK CREW. RACK OUT EQUIP. WILL RDMO IN AM.</p> <p>PMP 8692, RCVR 1040, LTR 7652.</p> <p>TBG DETAIL KB 14.00 4" 10K HANGER .83 309-JTS 2-3/8" L-80 9692.55 NOTCHED 1.87" XN 2.20 EOT 9709.58</p>
3/18/2009	7:00 -			33	A	P		<p>7 AM FLBK REPORT: CP 1700#, TP 0#, OPEN/64" CK, 0 BWPH, - SAND, - GAS TTL BBLs RECOVERED: 1045 BBLs LEFT TO RECOVER: 7647</p>
3/19/2009	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 1275#, TP 475#, 30/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 1500 BBLs LEFT TO RECOVER: 7192</p>

Operation Summary Report

Well: NBU 921-16D

Spud Date: 11/28/2007

Project: UTAH

Site: UINTAH

Rig Name No: MILES-GRAY 1/1

Event: RECOMPLETION

Start Date: 3/12/2009

End Date: 3/17/2009

Active Datum: RKB @4,884.00ft (above Mean Sea Level)

UWI: NBU 921-16D

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/20/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1075#, TP 550#, 30/64" CK, 10 BWPH, CLEAN SAND, - GAS TTL BBLS RECOVERED: 1765 BBLS LEFT TO RECOVER: 6927

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

amended

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-38409

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

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 921-16D-1S

3. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

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

9. AFI Well No.
4304739401

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

10. Field and Pool or Exploratory
NATURAL BUTTES

At surface NW/NW 1136'FNL, 549'FWL

11. Sec., T., R., M., on Block and
Survey or Area SEC. 16, T9S, R21E

At top prod. interval reported below

12. County or Parish 13. State

At total depth

UINTAH, COUNTY UT

14. Date Spudded
11/28/2007

15. Date T.D. Reached
03/16/2008

16. Date Completed 03/20/2009
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
4855'GL

18. Total Depth: MD 9955'
TVD

19. Plug Back T.D.: MD 9901'
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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 Cement 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#		2760'		685 SX			
7 7/8"	4 1/2 I-80	11.6#		9955'		1570 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"	9709'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5716	7660	5716'-7660'	0.36	206	OPEN
B)						
C)						
D)						

26. Perforation Record %

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

Depth Interval	Amount and Type of Material
5716'-7660'	PMP 8112 BBLs SLICK H2O & 292,324# 30/50 SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/20/09	3/21/09	24	→	0	1565	180			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	
20/64	710#	1102#	→	0	1565	180		PRODUCING GAS WELL	

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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	
			→						

APR 20 2009

DIV. OF OIL, GAS & MINING

*(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

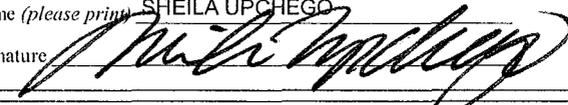
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1792'				
BIRDS NEST	2102'				
MAHOGANY	2485'				
WASATCH	5240'	8034'			
MESAVERDE	8133'	9881'			

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 04/15/2009

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