

UNITED STATES
DEPARTMENT 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-01191
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7. If Unit or CA Agreement, Name and No. Natural Buttes Unit
3a. Address 1099 18th Street #600, Denver, CO 80202		8. Lease Name and Well No. NBU 1022-03G3T
3b. Phone No. (include area code) 720.929.6226		9. API Well No. 43-047-39993
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2121' FNL & 2143' FEL 634607X 39. 979 357 At proposed prod. zone N/A 4426446Y -109. 423608		10. Field and Pool, or Exploratory Natural Buttes Field
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 3, T 10S R 22E SWNE		12. County or Parish Uintah
14. Distance in miles and direction from nearest town or post office* 24 miles		13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2121'	16. No. of acres in lease 1041.78	17. Spacing Unit dedicated to this well 20
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1200'	19. Proposed Depth 8600'	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4987 GL	22. Approximate date work will start* ASAP	23. Estimated duration 10 days

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Kevin McIntyre	Date 04/08/2008
Title Regulatory Analyst I		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-14-08
Title Office ENVIRONMENTAL MANAGER		

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

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

(Continued on page 2)

*(Instructions on page 2)

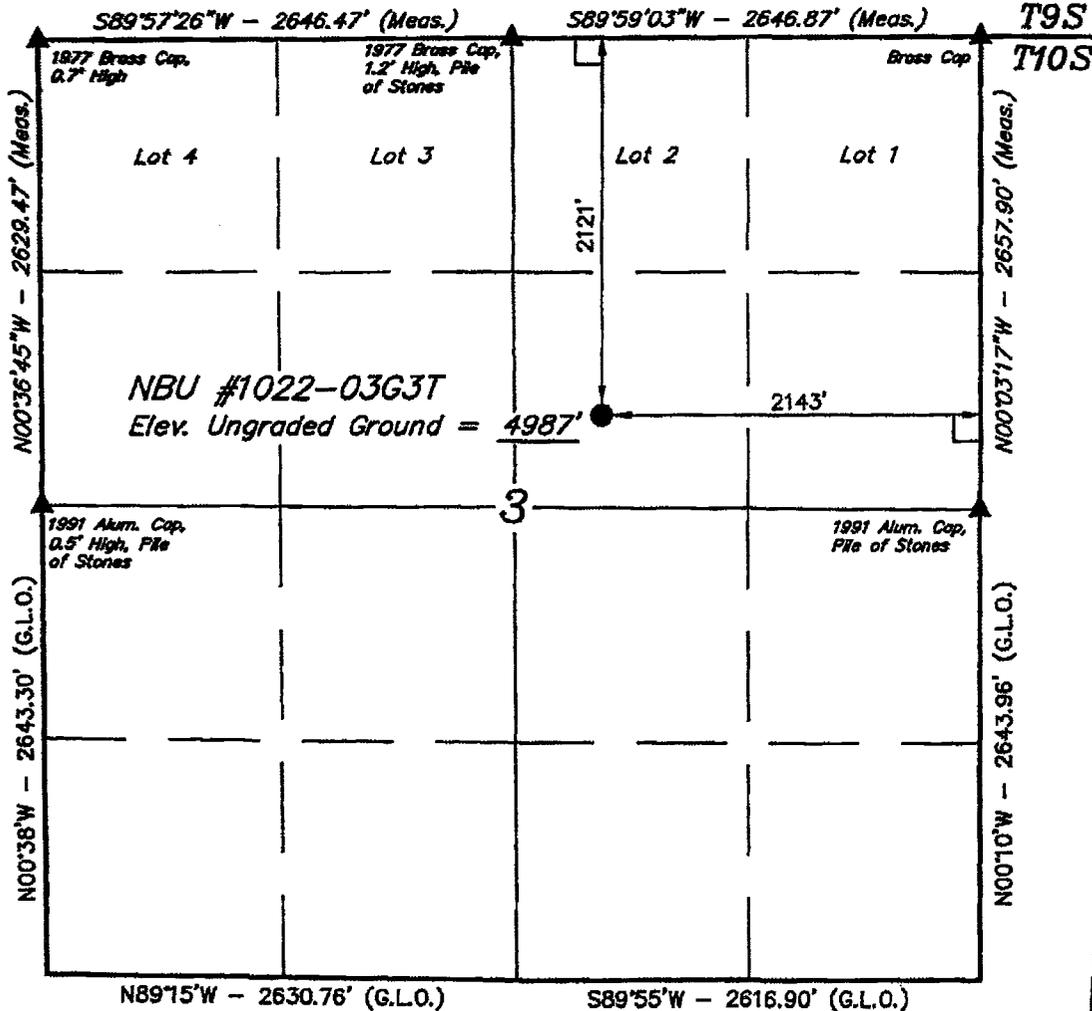
Federal Approval of this
Action is Necessary

RECEIVED
APR 09 2008
DIV. OF OIL, GAS & MINING

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

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-03G3T, located as Shown in the SW 1/4 NE 1/4 of Section 3, T10S, R22E, S.L.B.&M., Uintah County, Utah.

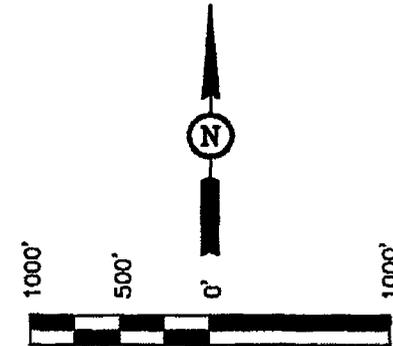


BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

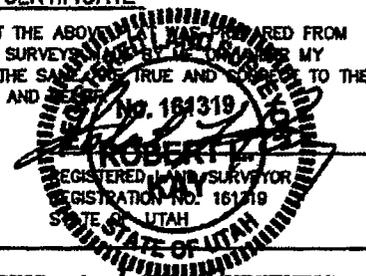
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

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



Revised 03-11-08 D.P.

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

LEGEND:

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

(NAD 83)
 LATITUDE = 39°58'46.00" (39.979444)
 LONGITUDE = 109°25'27.58" (109.424328)
 (NAD 27)
 LATITUDE = 39°58'46.12" (39.979478)
 LONGITUDE = 109°25'25.12" (109.423644)

SCALE 1" = 1000'	DATE SURVEYED: 2-19-08	DATE DRAWN: 2-21-08
PARTY L.K. J.M. C.P.	REFERENCES G.L.O. PLAT	
WEATHER COLD	Kerr McGee Oil & Gas Onshore LP	

NBU 1022-03G3T
SWNE SEC 3-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

The proposed access road is approximately 0.3 mi. +/- . Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

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 (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the placement of the proposed pipeline.

Exceptions to Best Management Practices (BMPs) Requested:

Approximately 6915' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

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

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Where available a 2" or 3" poly pipe will be installed with the existing rights-of-way to supply water during drilling and completion operations. There will be no new disturbance needed and the poly line will be removed after completion operations. The fresh water will be supplied from the power plant located within the following Sections 23, 24, 25, 26, 35, & 36, T8S, R23E.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

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:

None are anticipated.

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.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring of the pit, the stockpiled topsoil will be spread evenly over the location up to the rig anchor points, the location shall be reshaped to the

original contour to the extent possible, and the location will be reseeded with Crested Wheatgrass using appropriate reclamation methods.

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435) 789-1362

12. Other Information:

A Class III archaeological survey and a paleontological survey have been completed and the reports will be submitted separately.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

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 the boundaries of the Unit.

Seed Mixture:

The following seed mixture will be used during interim reclamation:

Crested Wheatgrass 12 lb/acre

Operator will contact the BLM for the seed mixture when final reclamation of the location occurs.

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

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
1099 18th Street #1200
Denver, CO 80202
(720) 929-6226

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

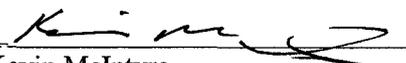
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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.

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 the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #CO-1203.

I hereby certify that the proposed drill site and access route has been inspected and 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.


Kevin McIntyre

April 8, 2008
Date

**NBU 1022-03G3T
SWNE Sec. 3, T10S,R22E
UINTAH COUNTY, UTAH
UTU-01191**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1023'
Wasatch	4192'
Mesaverde	6545'
TD	8600'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1115'
Gas	Wasatch	4192'
Gas	Mesaverde	6545'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8600' TD, approximately equals 3385 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 1892 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Maximum anticipated surface pressure equals approximately 1892 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-03G3T
SECTION 3, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SHEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 8.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 100' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 57.6 MILES.

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 8,600'	36.00	J-55	LTC	3520	2020	453000
						1.04	0.50	1.67
PRODUCTION	4-1/2"	0 to 8600	11.60	P-110	LTC	10690	7560	279000
						3.16	1.43	3.20

- 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 3385 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)	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	NOTE: If well will circulate water to surface, option 2 will be utilized							
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82	
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18	
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
PRODUCTION	LEAD	3,690'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38	
	TAIL	4,910'	50/50 Poz/G + 10% salt + 2% gel + 1% R-3	1370	60%	14.30	1.31	

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

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

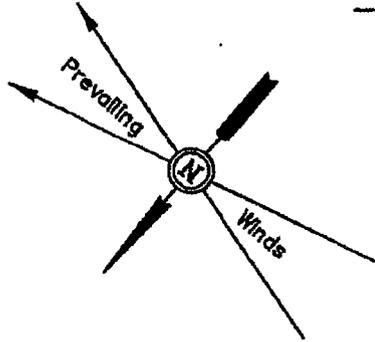
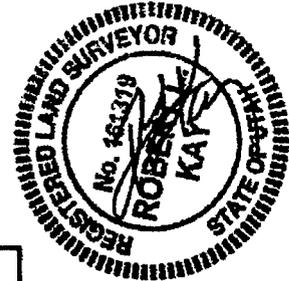
DATE: _____
 DATE: _____

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

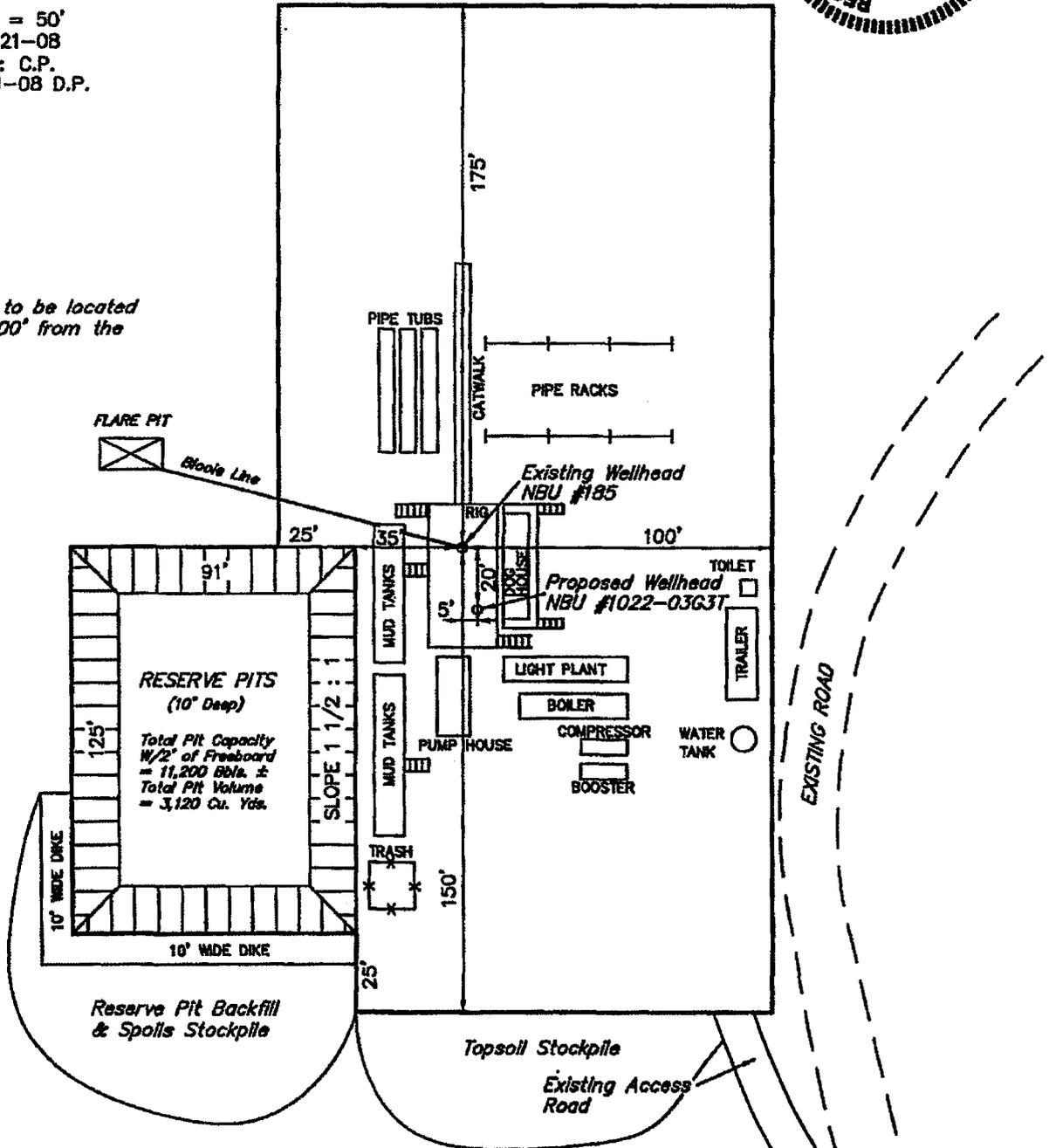
NBU #1022-03G3T
SECTION 3, T10S, R22E, S.L.B.&M.
2121' FNL 2143' FEL



SCALE: 1" = 50'
DATE: 2-21-08
Drawn By: C.P.
Revised 3-11-08 D.P.

NOTE:

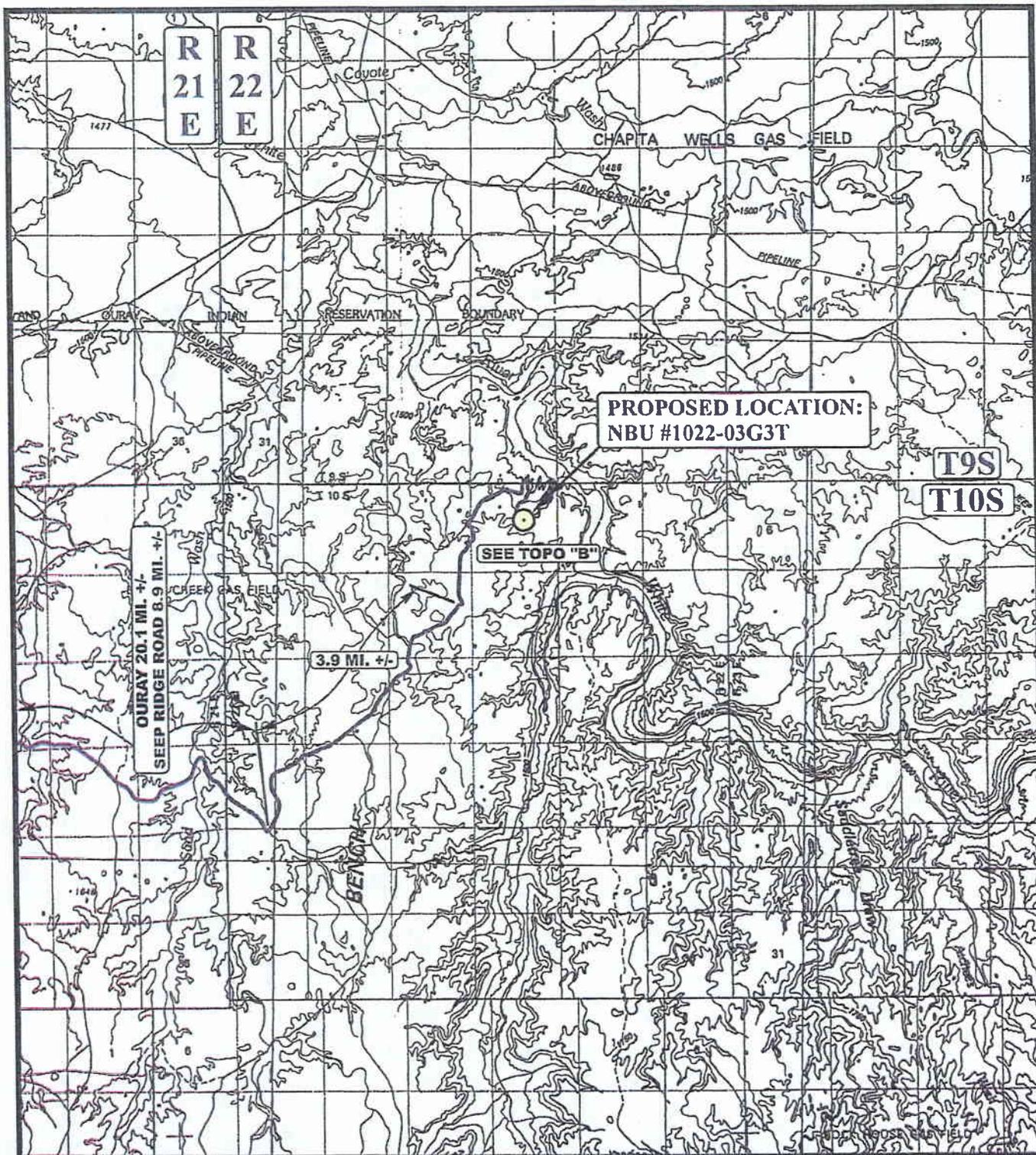
Flare Pit is to be located a min. of 100' from the Well Head.



NOTES:

Elev. as Shot, Ground At Loc. Stake = 4986.6'

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



LEGEND:

⊙ PROPOSED LOCATION

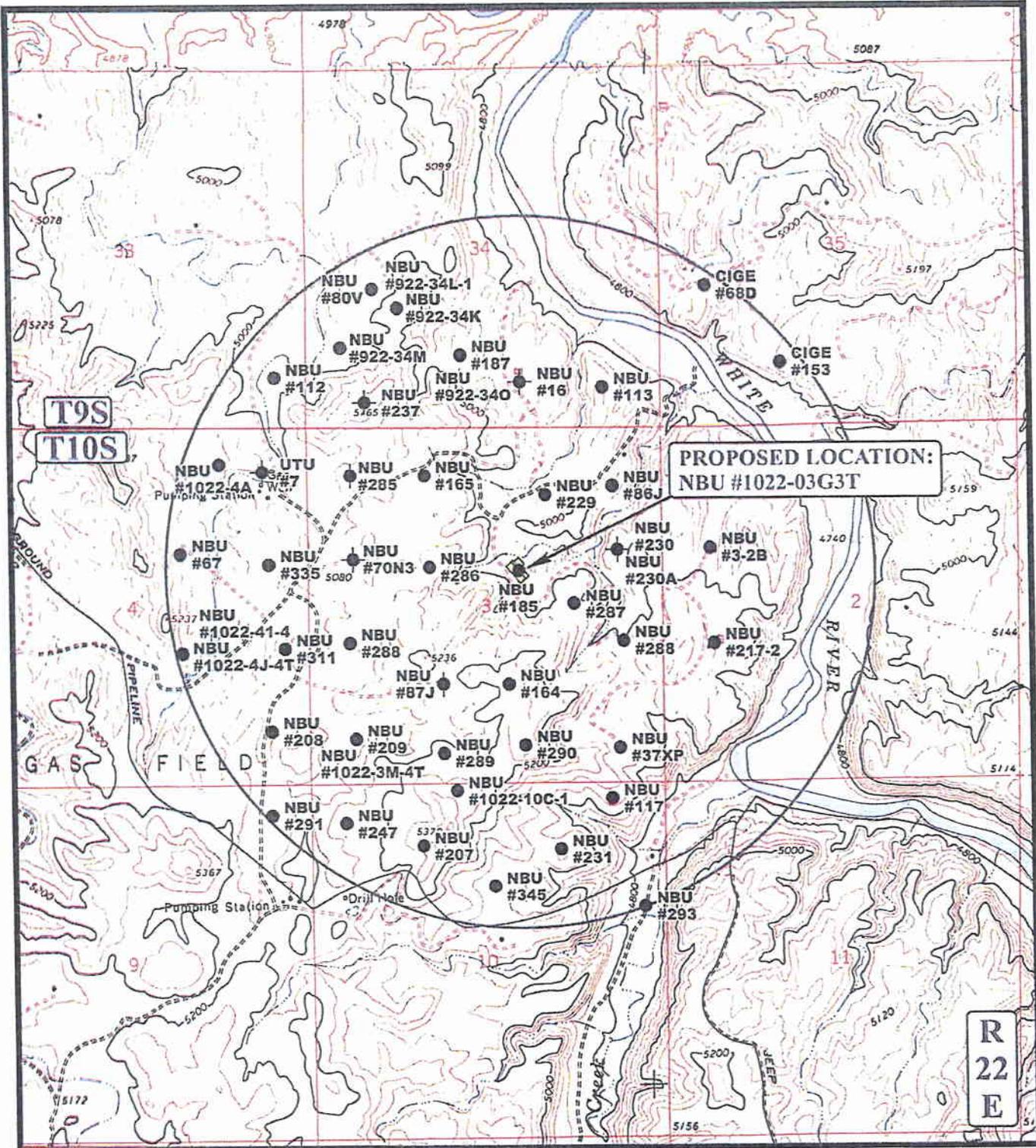
Kerr-McGee Oil & Gas Onshore LP

NBU #1022-03G3T
 SECTION 3, T10S, R22E, S.L.B.&M.
 2121' FNL 2143' FEL

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



TOPOGRAPHIC MAP 02 22 08
 MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 03-13-08 **A TOPO**



**PROPOSED LOCATION:
NBU #1022-03G3T**

**R
22
E**

LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- ⦿ SHUT IN WELLS
- ⊕ WATER WELLS
- ⦿ ABANDONED WELLS
- ⦿ TEMPORARILY ABANDONED

Kerr-McGee Oil & Gas Onshore LP

**NBU #1022-03G3T
SECTION 3, T10S, R22E, S.L.B.&M.
2121' FNL 2143' FEL**



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



TOPOGRAPHIC MAP 02 22 08
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 03-13-08



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-03G3T

LOCATED IN UINTAH COUNTY, UTAH
SECTION 3, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM PIT "D" TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

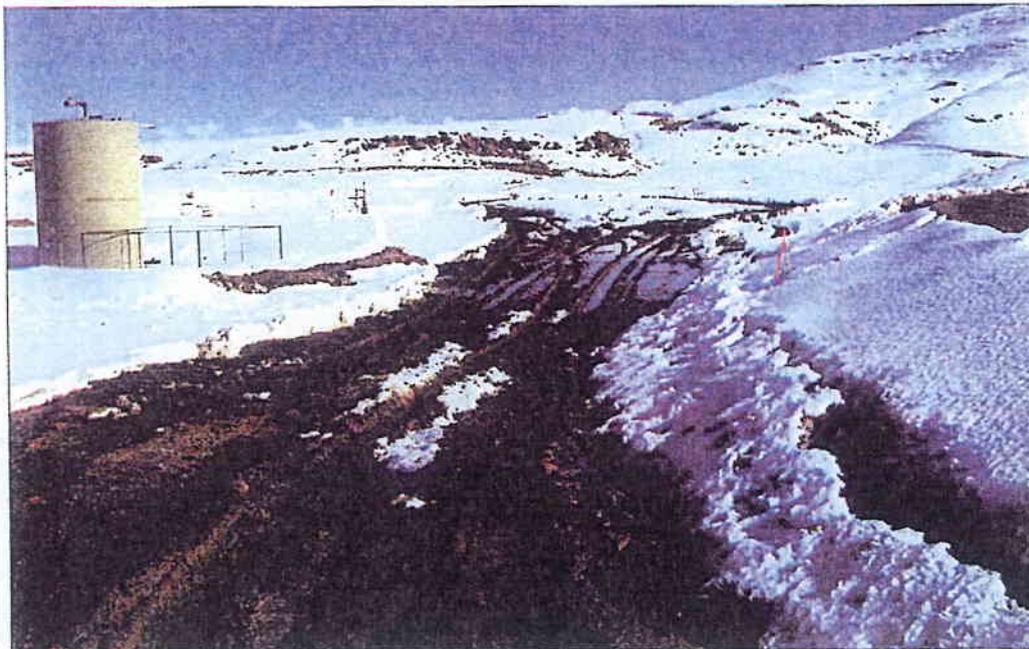


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHEASTERLY



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

LOCATION PHOTOS	02	22	08	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 03-13-08		

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/09/2008

API NO. ASSIGNED: 43-047-39993

WELL NAME: NBU 1022-03G3T
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: KEVIN MCINTYRE

PHONE NUMBER: 720-929-6226

PROPOSED LOCATION:

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

SWNE 03 100S 220E
 SURFACE: 2121 FNL 2143 FEL
 BOTTOM: 2121 FNL 2143 FEL
 COUNTY: UINTAH
 LATITUDE: 39.97936 LONGITUDE: -109.4236
 UTM SURF EASTINGS: 634607 NORTHINGS: 4426446
 FIELD NAME: NATURAL BUTTES (630)

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

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)
- N Potash (Y/N)
- Y Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- M RDCC Review (Y/N)
(Date: _____)
- nr Fee Surf Agreement (Y/N)
- nr Intent to Commingle (Y/N)

LOCATION AND SITING:

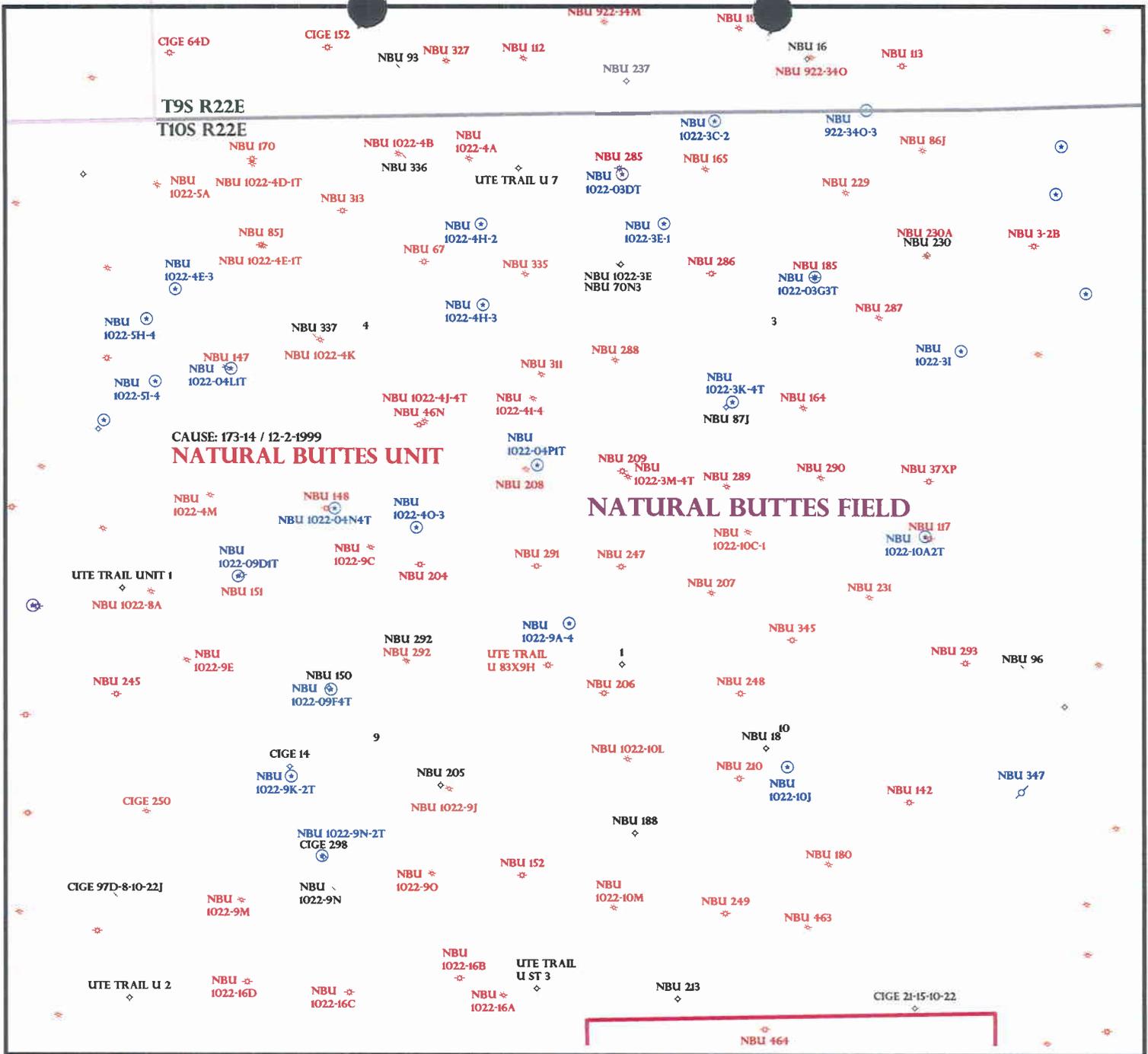
- _____ R649-2-3.
- Unit: NATURAL BUTTES
- _____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- _____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' or u b d r g f u n c o m m i t t e d
- _____ R649-3-11. Directional Drill

COMMENTS:

Sop, Separati SW

STIPULATIONS:

*1- Federal Approval
2- OIL SHALE*



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 3,4,9,10 T.10S R. 22E

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



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 11-APRIL-2008

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:
3160
(UT-922)

April 14, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 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 2008 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-39992	NBU 1022-03DT Sec 03	T10S R22E 0756 FNL 0671 FWL
43-047-39993	NBU 1022-03G3T Sec 03	T10S R22E 2121 FNL 2143 FEL
43-047-39994	NBU 1022-04L1T Sec 04	T10S R22E 2107 FSL 0842 FWL
43-047-39995	NBU 1022-04NT Sec 04	T10S R22E 0284 FSL 2145 FWL
43-047-39996	NBU 1022-09F4T Sec 09	T10S R22E 2051 FNL 2021 FWL
43-047-39997	NBU 1022-10A2T Sec 10	T10S R22E 0201 FNL 0777 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:4-14-08



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

April 14, 2008

Kerr-McGee Oil & Gas Onshore, LP
1099 18th St., #600
Denver, CO 80202

Re: NBU 1022-03G3T Well, 2121' FNL, 2143' FEL, SW NE, Sec. 3, T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39993.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Kerr-McGee Oil & Gas Onshore, LP
Well Name & Number NBU 1022-03G3T
API Number: 43-047-39993
Lease: UTU-01191

Location: SW NE **Sec. 3** **T. 10 South** **R. 22 East**

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact 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

Form 3160-3
(August 2007)

APR 09 2008

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BLM VERNAL, UTAH

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. **UTL 01191 A**
6. If Indian, Allottee or Tribe Name
N/A
7. If Unit or CA Agreement, Name and No.
Natural Buttes Unit
8. Lease Name and Well No.
NBU 1022-03G3T
9. API Well No.
43-047-39993
10. Field and Pool, or Exploratory
Natural Buttes Field
11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 3, T 10S R 22E
12. County or Parish
Uintah
13. State
UT

1a. Type of work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Kerr-McGee Oil & Gas Onshore, LP

3a. Address
1099 18th Street #600, Denver, CO 80202

3b. Phone No. (include area code)
720.929.6226

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface 2121' FNL & 2143' FEL **SW NE**
At proposed prod. zone N/A

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

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
2121'

16. No. of acres in lease
1041.78

17. Spacing Unit dedicated to this well
20

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
1200'

19. Proposed Depth
8600'

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4987 GL

22. Approximate date work will start*
ASAP

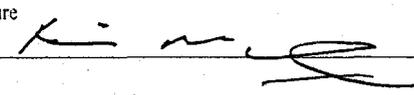
23. Estimated duration
10 days

24. Attachments

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

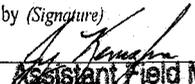
- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

- 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 BLM.

25. Signature

Title
Regulatory Analyst I

Name (Printed Typed)
Kevin McIntyre

Date
04/08/2008

Approved by (Signature)

Title
Assistant Field Manager
Lands & Mineral Resources

Name (Printed Typed)
JERRY KUCZA
Office
VERNAL FIELD OFFICE

Date
DEC 04 2008

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.

(Continued on page 2)

*(Instructions on page 2)

RECEIVED
DEC 30 2008
DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

09Jm0020A

no NOS

Protest 4-16-08

UDD6m



**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
Well No: NBU 1022-03G3T
API No: 43-047-39993

Location: SWNE, Sec.3,T10S,R22E
Lease No: UTU-01191A
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:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	

Fax: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

NONE

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

SITE SPECIFIC DOWNHOLE COAs:

- Run Gamma Ray from TD to surface.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

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

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

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE		5. LEASE SERIAL NO. UTU 01191
1. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
2. NAME OF OPERATOR Kerr-McGee Oil & Gas Onshore LP		7. IF UNIT OR CA/AGREEMENT, NAME AND/OR NO. 891008900A
3. ADDRESS AND TELEPHONE NO. CONTACT: Danielle Piernot 1099 18th Street, Suite 1200 PHONE: 720-929-6156 Denver, CO 80202 danielle.piernot@anadarko.com		8. WELL NAME AND NO. NBU 1022-03G3T
4. LOCATION OF WELL (Footage, T, R, M, or Survey Description) 2,121' FNL 2,143' FEL SWNE Sec. 3 T10S R22E		9. API WELL NO. 43-047-39993
		10. FIELD AND POOL, OR EXPLORATORY AREA Natural Buttes
		11. COUNTY OR PARISH, STATE Uintah, Utah

12. CHECK APPROPRIATE BOX(S) 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"/> 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Temporarily Abandon
			<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> APD Extension

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 the 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 must 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.)

Kerr-McGee respectfully requests authorization for a one year extension for the subject well location so that the drilling operations may be completed. The original APD was approved by UDOGM on April 14, 2008 and given API number 43-047-39993.

Please contact the undersigned if you have any questions and/or comments.

Thank you.

Date: 04-09-09
By: *[Signature]*
Title: Regulatory Analyst

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

Name (Printed/Typed) Danielle Piernot	Title Regulatory Analyst
Signature <i>Danielle Piernot</i>	Date April 7, 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, makes 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.

COPY SENT TO OPERATOR

Date: 4.14.2009
Initials: KS

RECEIVED
APR 08 2009
DIV. OF OIL, GAS & MINING

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

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

API: 4304739993
Well Name: NBU 1022-03G3T
Location: 2,121' FNL 2,143' FEL SWNE Sec. 3 T10S R22E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore LP
Date Original Permit Issued: 4/14/2008

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

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

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

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

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

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

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

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

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

Daniel Pierrat
Signature

4/7/2009

Date

Title: Regulatory Analyst

Representing: Kerr-McGee Oil & Gas Onshore LP

RECEIVED
APR 08 2009
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-03G3T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

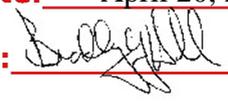
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/14/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

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

Date: April 20, 2010

By: 

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/14/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047399930000

API: 43047399930000

Well Name: NBU 1022-03G3T

Location: 2121 FNL 2143 FEL QTR SWNE SEC 03 TWP 100S RNG 220E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 4/14/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot

Date: 4/14/2010

Title: Regulatory Analyst I **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: April 20, 2010

By:

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
 Submitted By ANDY LYTLE Phone Number 720.929.6100
 Well Name/Number NBU 1022-03G3T
 Qtr/Qtr SWNE Section 3 Township 10S Range 22E
 Lease Serial Number UTU-01191
 API Number 4304739993

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 09/09/2010 09:00 HRS AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
 Intermediate Casing
 Production Casing
 Liner
 Other

RECEIVED

SEP 08 2010

DIV. OF OIL, GAS & MINING

Date/Time 09/13/2010 18:00 HRS AM PM

BOPE

- Initial BOPE test at surface casing point
 BOPE test at intermediate casing point
 30 day BOPE test
 Other

Date/Time _____ AM PM

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT KENNY GATHINGS AT

435.828.0986 OR LEVEL YOUNG AT 435.781.7051

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-03G3T
------------------------------------	---

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000
---	---

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
---	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: Uintah STATE: Utah
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/9/2010	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'.
 RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CMT W/ 28 SX READY MIX
 SPUD WELL LOCATION ON SEPTEMBER 9, 2010 AT 09:00 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 13, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/10/2010	

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: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739993	NBU 1022-3G3T		SWNE	3	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	9/9/2010			9/21/10	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVS</i> SPUD WELL LOCATION ON 9/9/2010 AT 09:00 HRS.							

Well 2

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

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:

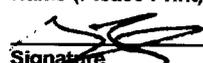
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

SEP 13 2010

ANDY LYTLE

Name (Please Print)

Signature 

REGULATORY ANALYST

Title

9/10/2010

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
---	--

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-03G3T
------------------------------------	---

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000
---	---

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/13/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

MIRU PROPETRO AIR RIG ON SEPTEMBER 11, 2010. DRILLED 11" SURFACE HOLE TO 2330'. RAN 8 5/8" 28# IJ-55 SURFACE CSG. PUMP 20 BBLS FRESH WATER. PUMP 20 BBLS GEL WATER. PUMPED 350 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. NO CIRC. DROP PLUG ON THE FLY, DISPLACED W/ 130.8 BBLS WATER. NO RETURNS. LIFT PRESSURE @ 100 PSI, BUMP PLUG & HOLD 700 PSI FOR 5 MIN. FLOAT HELD. EST. TOC OF TAIL @ 1490'. TOP OUT #1 W/ 325 SX SAME CEMENT. WORT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 14, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/14/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
---	--

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-03G3T
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: Uintah STATE: Utah
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/14/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: LEASE NUMBER COR

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 PLEASE BE ADVISED THAT THE CORRECT LEASE NUMBER FOR THIS WELL IS
 UTU-01191-A. THANK YOU.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 September 15, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/14/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 1022-03G3T
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	9. API NUMBER: 43047399930000
PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
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<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/21/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

FINISHED DRILLING FROM 2330' TO 8743' ON OCTOBER 19, 2010. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 455 SX CLASS G PREM LITE @ 12.5 PPG, 1.98 YD. TAILED CEMENT W/ 941 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 135 BBLS CLAYTREAT WATER, FINAL LIFT 2700 PSI, BUMPED PLUG @ 3200 PSI, FLOATS HELD. 15 BBLS LEAD BACK TO PIT, EST. TOP OF TAIL @ 3400'. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON OCTOBER 21, 2010 @ 10:00 HRS.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 October 25, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/22/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-03G3T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

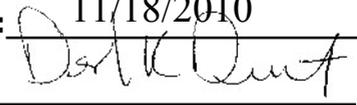
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/19/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Wellhead"/>

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

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. This well has not been completed yet. Please see attached wellhead/casing repair procedure for details. Please note that the surface hole for this well was originally permitted to be a 12-1/4" hole and 9-5/8" 36# J-55 casing was to be ran. The actual surface hole size drilled for this well was 11" and 8-5/8" 28# IJ-55 surface casing was ran. The operator will file a separate sundry documenting this as drilled information under separate cover. Thank you.

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

Date: 11/18/2010
By: 

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/18/2010	

Greater Natural Buttes Unit



NBU 1022-3G3T
WELLHEAD REMEDIATION PROCEDURE

DATE:11/18/2010
WO# 88104325

COMPLETIONS ENGINEER: Cody Weitzel, Denver, CO
(720) 929-6750 (Office)
(303) 718-9115 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

RECEIVED November 18, 2010

Name: NBU 1022-3G3T
Location: SWSWNE Sec 3 T10S R22E
Uintah County, UT
Date: 11/18/10

ELEVATIONS: 4987 GL 5005 KB

TOTAL DEPTH: 8743 **PBTD:** 8691
SURFACE CASING: 8 5/8", 28# IJ-55 ST&C @ 2318'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 BT&C @ 8736'
 Marker Joint **4144 - 4165'**

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

CASING PATCH PROPERTIES: (Additional Data At End of Procedure)

	BURST (psi)	COLLAPSE (psi)
Logan 5.88" OD "L" Type CSG Patch For 4-1/2" Casing	10,000 @ <150,000 # Tensile	11,222 @ 0 # Tensile 8,634 @ 220,000 # Tensile

TOPS (Projected):

- 1048' Green River
- 1363' Bird's Nest
- 1749' Mahogany
- 4210' Wasatch
- 6580' Mesaverde
- 8723' Bottom of Mesaverde (TD)

T.O.C. @ 50'

Current Downhole Equipment:

None (Newly Drilled Well)

Note: Equipment to have on location:

- a. 2 jts 4-1/2" x 11.6# x 8rd
- b. 2 jts 4-1/2" x 11.6" x Buttress
- c. Buttress x 8rd change overs.
- d. Elevators for 4-1/2" csg.
- e. Tongs for 4-1/2" csg.
- f. All Weatherford well head parts needed, with Weatherford hand.

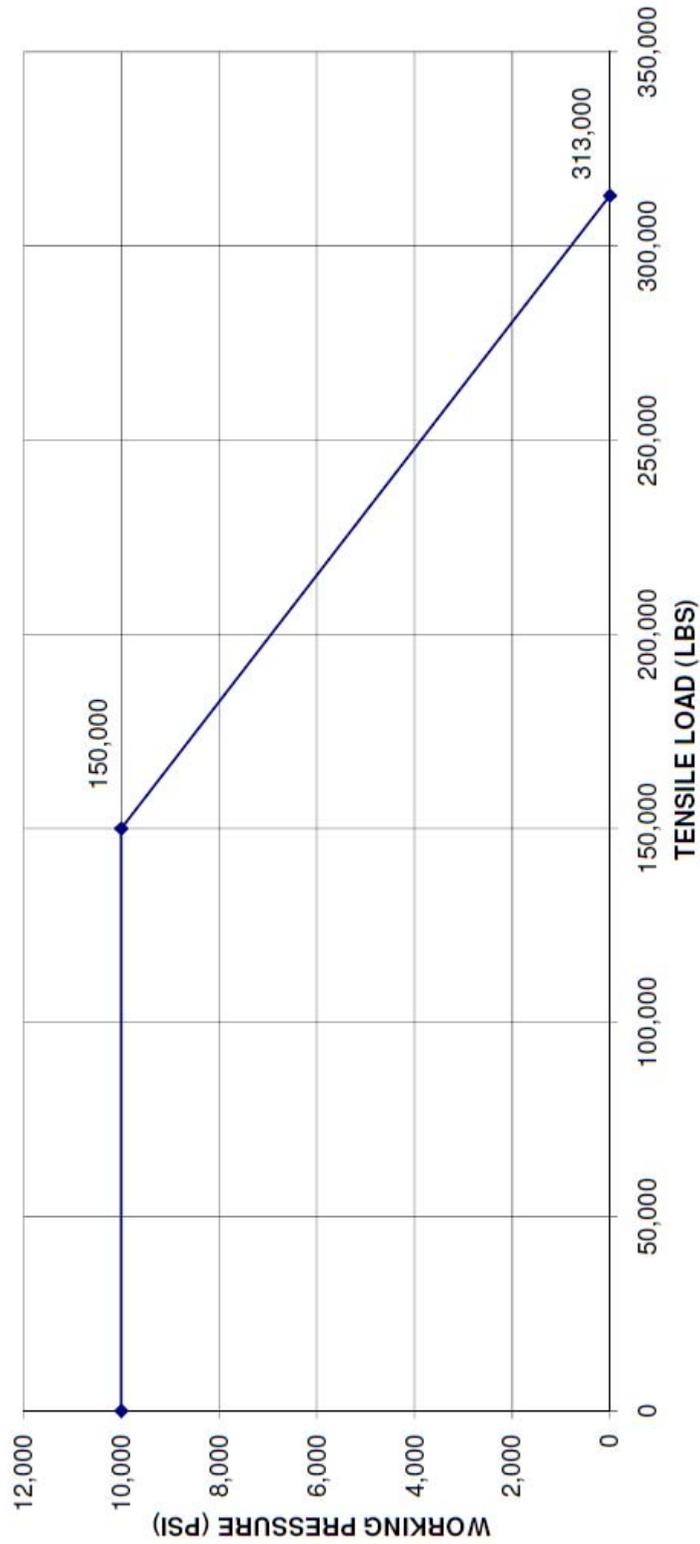
PROCEDURE: Prior to initiating back-off or casing cutting activities the BLM will be notified. No work will be accomplished prior to notifying the appropriate BLM representative.

1. MIRU service rig. Check & bleed pressure off 4 ½” prod csg x 8 5/8” surf csg annulus.
2. NDWH.
3. If a casing backoff can be performed, proceed with Step 4. If a casing patch will be run, proceed with Step 11.
4. PU 4 ½” internal casing cutter on 10’ X 2 3/8” L-80 8RD tbg sub & RIH. RU pwr swivel & cut off 4 ½” prod csg 2’ below mandrel hanger.
5. POOH & LD cutting tools, LD mandrel hanger & 2’ x 4 ½” csg stub.
6. PU 7 3/8” OD overshot w/ 4 ½” grapple & RIH. Latch fish.
7. MIRU wireline w/ lubricator. PU string shot & RIH. Shoot @ ~46’. (csg collar below 4’ landing sub)
8. Back off csg @ ~46’ & POOH. LD csg.
9. PU new 4 ½” 11.6# csg jt, 10’ x 4 ½” csg sub & rih. Screw into csg. Pull 80 – 100k lbs. Install C-22 csg slips. Pressure tst csg to 7000 psi. Casing will be tested to 200 psi, 2,000 psi and finally 7,000 psi with each step held and charted for 10 minutes. Final pressure to be held for 30 minutes. Check for communication at each step. Land csg & install WH. Pressure test annulus to 50 psi, 200 psi and 900 psi. with each step held and charted for 10 minutes. Check for communication at each step.
10. Continue with completion procedure at Step 17.
11. PU 4 ½” mechanical internal csg cutter on 2 3/8” L-80 8RD tbg jt & RIH. RU pwr swivel & cut off 4 ½” prod csg @ +/- 35’. POOH, LD tbg and csg cutter.
12. POOH, LD 4’ x 4 ½” landing sub, mandrel hanger & cut off 4 ½” prod csg.
13. PU Logan Oil Tools 10,000 psi 4 ½” external csg patch, 1 jt 11.6# l-80 Buttress csg w/crossover subs to 6” drl collar & bmp sub. Work csg patch over fish top.
14. PU 80,000 lbs. LD bumper sub and drill collar. Pressure test 4 ½” csg to 7000 psi. Pressure tst csg to 7000 psi. Casing will be tested to 200 psi, 2,000 psi and finally 7,000 psi with each step held and charted for 10 minutes. Final pressure to be held for 30 minutes. Check for communication at each step. Hold and record pressure for 30 minutes. Check for communication. Pressure test annulus to 50 psi, 200 psi and 900 psi. with each step held and charted for 10 minutes.
15. Install Weatherford C-22 slips & land csg in 60,000 - 80,000 lbs tension.
16. Cut off 4 ½” csg stub. Bevel cut to the inside as directed by wellhead recommendation. NU wellhead
17. RDMO

**For design questions, please call
Cody Weitzel, Denver, CO
(720) 929-6750 (Office)
(303) 718-9115 (Cell)**

**For field implementation questions, please call
Jeff Samuels Vernal, UT
435-781-9770 (Office)**

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



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

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

DATA BY SLS 11/16/2009



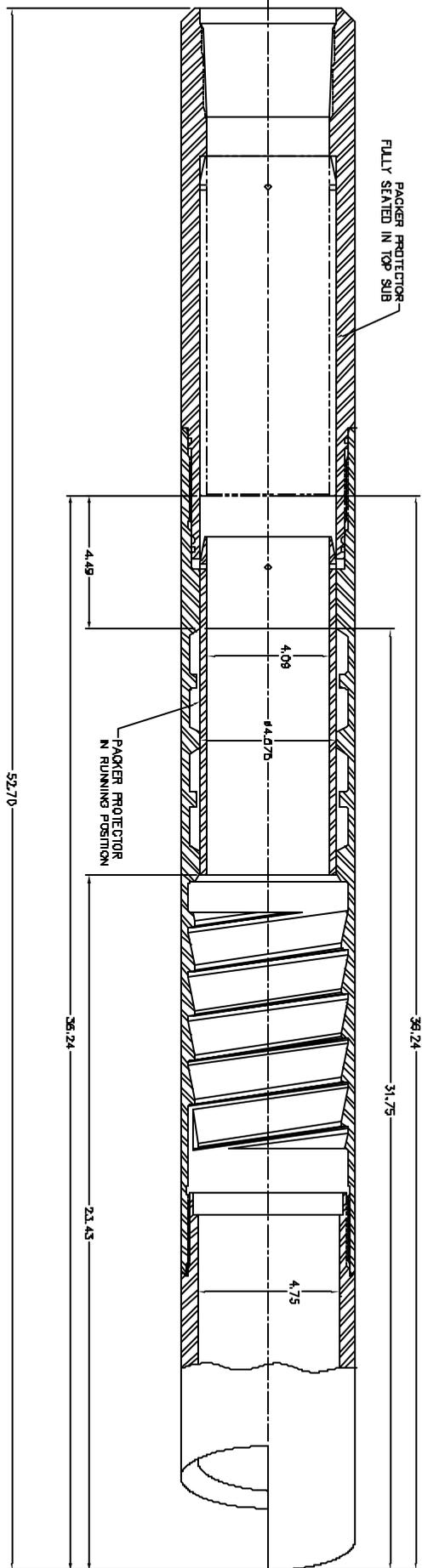
Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

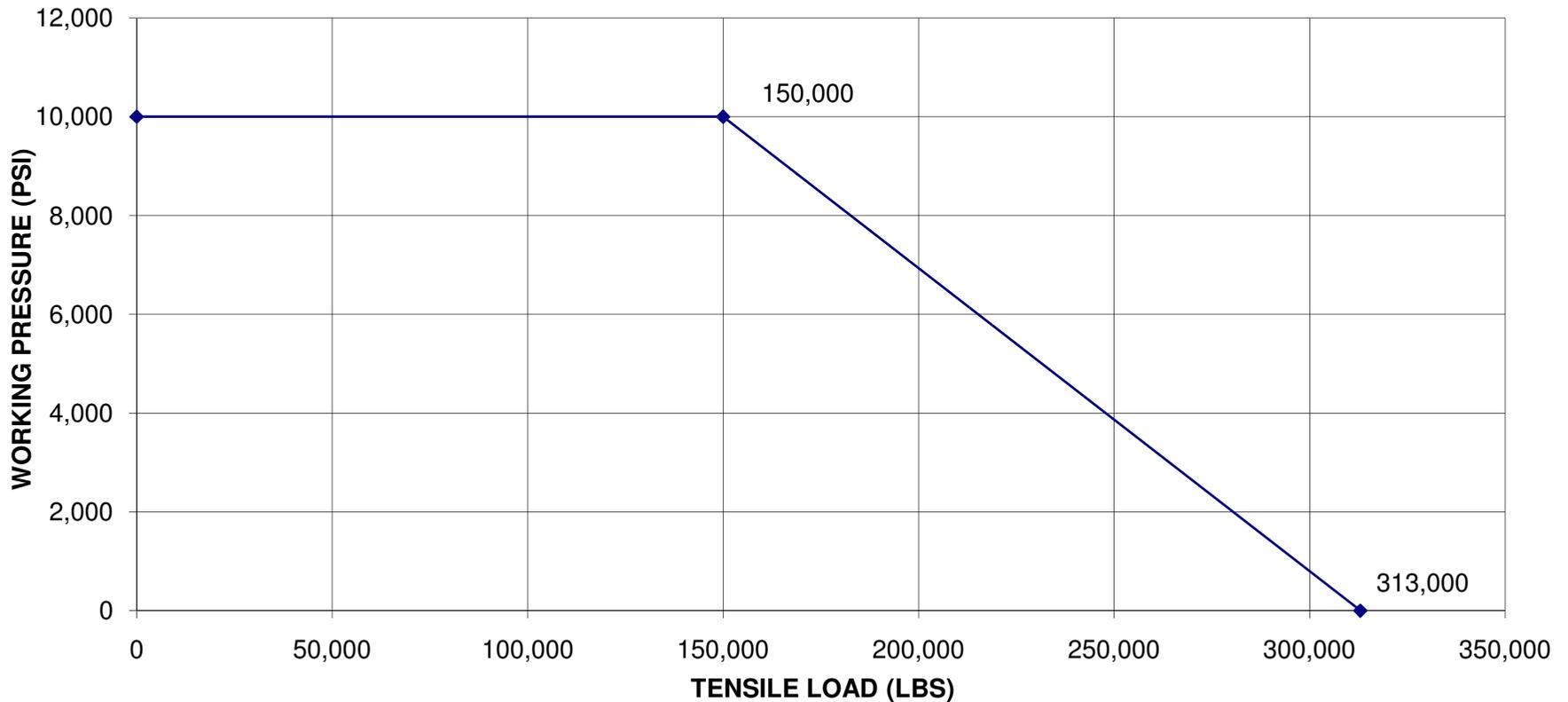
1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector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

Follow recommended Make-Up Torque as provided in chart.

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



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



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

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

DATA BY SLS 11/16/2009

RECEIVED November 18, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-03G3T
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/30/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>

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

The operator submitted and received BLM approval to repair the wellhead on the subject well on 11/22/2010. The operator requests approval to proceed with completion operations at the conclusion of the repair work. Attached is the proposed completion plan. Thank you.

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

Date: 12/01/2010

By: *Derek Quist*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/29/2010

Greater Natural Buttes Unit



NBU 1022-3G3T
COMPLETIONS PROCEDURE

DATE:11/23/2010
AFE#:2013761
USER ID:ZZA547 (Frac Invoices Only)

COMPLETIONS ENGINEER: Cody Weitzel, Denver, CO
(720)-929-6750 (Office)
(303)-718-9115 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

RECEIVED November 29, 2010

Name: NBU 1022-3G3T
Location: SWSWNE Sec 3 T10S R22E
Uintah County, UT
Date: 11/23/2010

ELEVATIONS: 4987 GL 5005 KB

TOTAL DEPTH: 8743 **PBTD:** 8691
SURFACE CASING: 8 5/8", 28# IJ-55 LT&C @ 2318'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 BT&C @ 8736'
 Marker Joint **4144-4165'**

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:

1085' Green River
 1330' Bird's Nest
 1825' Mahogany
 4208' Wasatch
 6518' Mesaverde
 8743' Bottom of Mesaverde (TD)

T.O.C. @ 50'

GENERAL:

- A minimum of **20** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons cased-hole log dated 11/12/2010
- **6** 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.
- **Pump no scale inhibitor in pad or flush. Start pumping scale inhibitor at 0.5 gals/1000 gals at the start of sand and cut once total for that stage has been pumped (see pump schedule for each stage's volume).**
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **7000** psi.
- Flush volumes are the sum of slick water and acid used during displacement. Stage acid to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**

- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **20/40 curable resin coated sand (SLC)** last 5,000# of all frac stages
- **NOTE: TIGHT SPACING ON STAGES 1 AND 2 – OVERFLUSH 5 BBLs**
- **STAGE 6 IS A FIRST PERF BREAKDOWN. BREAKDOWN BOTTOM SET OF PERFS BEFORE SHOOTING THE REST OF THE STAGE.**
- **THIS IS A SCALE INHIBITOR PILOT TEST WELL – NOTICE THE SCALE INHIBITOR PUMP SCHEDULE EXPLAINED ABOVE.**

PROCEDURE: Prior to stimulation activities the BLM will be notified. No work will be accomplished prior to notifying the appropriate BLM representative. Also, recorded pressure charts from wellhead workover need to be supplied to the BLM representative or mailed to the Vernal Field Office.

1. MIRU frac crew. NU frac valves. Test frac valves and casing to 500, 2500 and 7000 psi for 15 minutes each. Test 4-1/2 x 8-5/8" annulus to 200 and 900 psi for 15 minutes each. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. BLM will be notified if a release to the annulus occurs.

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

Zone	From	To	spf	# of shots
MESAVERDE	8236	8237	4	4
MESAVERDE	8288	8290	3	6
MESAVERDE	8410	8411	4	4
MESAVERDE	8479	8481	4	8

3. Breakdown perfs and establish injection rate. Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8236' and trickle 250 gal 15% HCL acid.

NOTE: TIGHT SPACING – OVERFLUSH 5 BBLs

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

Zone	From	To	spf	# of shots
MESAVERDE	8014	8016	3	6
MESAVERDE	8072	8073	3	3
MESAVERDE	8108	8109	4	4
MESAVERDE	8134	8135	4	4
MESAVERDE	8162	8163	4	4
MESAVERDE	8185	8186	3	3

5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8014' and trickle 250 gal 15% HCL acid.

NOTE: TIGHT SPACING – OVERFLUSH 5 BBLs

6. Set 8000 psi CBP at ~7997'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7839 | 7840 | 3 | 3 |
| MESAVERDE | 7897 | 7898 | 4 | 4 |
| MESAVERDE | 7915 | 7916 | 4 | 4 |
| MESAVERDE | 7939 | 7940 | 4 | 4 |
| MESAVERDE | 7954 | 7955 | 4 | 4 |
| MESAVERDE | 7966 | 7967 | 4 | 4 |
7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7839' and trickle 250 gal 15% HCL acid.
8. Set 8000 psi CBP at ~7750'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7580 | 7582 | 3 | 6 |
| MESAVERDE | 7610 | 7612 | 3 | 6 |
| MESAVERDE | 7697 | 7700 | 4 | 12 |
9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7580' and trickle 250 gal 15% HCL acid.
10. Set 8000 psi CBP at ~7406'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7240 | 7242 | 3 | 6 |
| MESAVERDE | 7318 | 7320 | 3 | 6 |
| MESAVERDE | 7339 | 7341 | 3 | 6 |
| MESAVERDE | 7354 | 7356 | 3 | 6 |
11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7240' and trickle 250 gal 15% HCL acid.
12. Set 8000 psi CBP at ~7016'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 6711 | 6712 | 4 | 4 |
| MESAVERDE | 6770 | 6771 | 4 | 4 |
| MESAVERDE | 6789 | 6790 | 4 | 4 |
| MESAVERDE | 6832 | 6833 | 4 | 4 |
| MESAVERDE | 6859 | 6860 | 4 | 4 |
| MESAVERDE | 6964 | 6966 | 3 | 6 |
- BREAKDOWN FIRST PERF**
13. Breakdown bottom perf first then breakdown all perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6711' and flush only with recycled water.
14. Set 8000 psi CBP at ~6661'.
15. ND frac valves. NU and test BOPS.
16. TIH with 3 7/8" bit, pump off sub, SN and tubing.
17. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±7984' unless indicated otherwise by the well's behavior.

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

19. RDMO

**For design questions, please call
Cody Weitzel, Denver, CO
(720)-929-6750 (Office)
(303)-718-9115 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-828-6515 (Cell)**

NOTES:

TIGHT SPACING ON STAGES 1 AND 2 - OVERFLUSH 5 BBLs

BREAKDOWN 1ST PERF SET IN STAGE 6 SEPARATELY, THEN SHOOT AND BREAKDOWN REMAINING PERF SETS

THIS IS A SCALE INHIBITOR PILOT TEST – SEE SCALE INHIBITOR PUMP SCHEDULE INSTRUCTIONS ABOVE

Name NBU 1022-3G3T
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8236	8237	4	4	8232.5	to	8242
	MESAVERDE	8288	8290	3	6	8273.5	to	8302
	MESAVERDE	8410	8411	4	4	8402.5	to	8417.5
	MESAVERDE	8479	8481	4	8	8475.5	to	8498
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	# of Perfs/stage				Look			
					22	CBP DEPTH	8,216	
2	MESAVERDE	8014	8016	3	6	7992.5	to	8023.5
	MESAVERDE	8072	8073	3	3	8062	to	8075.5
	MESAVERDE	8108	8109	4	4	8093.5	to	8115
	MESAVERDE	8134	8135	4	4	8124.5	to	8147
	MESAVERDE	8162	8163	4	4	8150	to	8168.5
	MESAVERDE	8185	8186	3	3	8177	to	8188.5
	MESAVERDE							
	# of Perfs/stage				Look			
					24	CBP DEPTH	7,997	
3	MESAVERDE	7839	7840	3	3	7817	to	7848
	MESAVERDE	7897	7898	4	4	7866	to	7922.5
	MESAVERDE	7915	7916	4	4	7927.5	to	7959
	MESAVERDE	7939	7940	4	4	7960	to	7971.5
	MESAVERDE	7954	7955	4	4			
	MESAVERDE	7966	7967	4	4			
	MESAVERDE							
	# of Perfs/stage				Look			
					23	CBP DEPTH	7,750	
4	MESAVERDE	7580	7582	3	6	7573	to	7615
	MESAVERDE	7610	7612	3	6	7656.5	to	7751.5
	MESAVERDE	7697	7700	4	12			
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	# of Perfs/stage				24	CBP DEPTH	7,406	
5	MESAVERDE	7240	7242	3	6	7234.5	to	7251.5
	MESAVERDE	7318	7320	3	6	7309.5	to	7324.5
	MESAVERDE	7339	7341	3	6	7328.5	to	7359.5
	MESAVERDE	7354	7356	3	6			
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	# of Perfs/stage				Look			
					24	CBP DEPTH	7,016	
6	MESAVERDE	6711	6712	4	4	6697	to	6716
	MESAVERDE	6770	6771	4	4	6743.5	to	6801.5
	MESAVERDE	6789	6790	4	4	6816	to	6877.5
	MESAVERDE	6832	6833	4	4	6950	to	6974
	MESAVERDE	6859	6860	4	4			
	MESAVERDE	6964	6966	3	6			
	MESAVERDE							
	# of Perfs/stage				Look			
					26	CBP DEPTH	6,661	
	Totals				143			

Fracturing Schedules

Name NBU 1022-3G3T

Slickwater Frac

Copy to new book

Recomplete?	N
Pad?	N
ACTS?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Md-Ft of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
			Top, ft	Bot., ft																		
1	MESAVERDE	0.12	8236	8237	4	4	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.22	8288	8290	3	6	0	ISIP and 5 min ISIP														
	MESAVERDE	0.06	8410	8411	4	4	50	Slickwater Pad			Slickwater	3,112	3,112	74	74	15.0%	0.0%	0	0		0	
	MESAVERDE	0.14	8479	8481	4	8	50	Slickwater Ramp	0.25	1.25	Slickwater	5,878	8,989	140	214	28.3%	19.4%	4,408	4,408		3	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	8,989	0	214	0.0%	0.0%	0	4,408		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	5,878	14,867	140	354	28.3%	35.5%	8,082	12,490		3	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	14,867	0	354	0.0%	0.0%	0	12,490		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	14,867	0	354	0.0%	0.0%	0	12,490		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	5,878	20,744	140	494	28.3%	45.2%	10,286	22,775		3	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	5,376	26,121	128	622				22,775		0	
	MESAVERDE	0.00						ISDP and 5 min ISDP					26,121								9	
		0.55	# of Perfs/stage			Look	22							Flush depth	8236		gal/md-ft	38,000	41,721	lbs sand/md-ft		
							12.4	<< Above pump time (min)										CBP depth	8,216		20	
2	MESAVERDE	0.64	8014	8016	3	6	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.09	8072	8073	3	3	0	ISIP and 5 min ISIP														
	MESAVERDE	0.20	8108	8109	4	4	50	Slickwater Pad			Slickwater	11,107	11,107	264	264	15.0%	0.0%	0	0		0	
	MESAVERDE	0.48	8134	8135	4	4	50	Slickwater Ramp	0.25	1.25	Slickwater	20,980	32,087	500	764	28.3%	18.7%	15,735	15,735		10	
	MESAVERDE	0.47	8162	8163	4	4	50	SW Sweep	0	0	Slickwater	0	32,087	0	764	0.0%	0.0%	0	15,735		0	
	MESAVERDE	0.06	8185	8186	3	3	50	Slickwater Ramp	1.25	1.5	Slickwater	20,980	53,067	500	1,263	28.3%	34.2%	28,847	44,582		10	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	5,250	58,317	125	1,388	0.0%	0.0%	0	44,582		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	61,317	71	1,460	3.6%	3.0%	3,000	47,582		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	20,980	82,297	500	1,959	28.3%	43.6%	36,715	84,297		10	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	5,232	87,528	125	2,084				84,297		0	
	MESAVERDE	0.00						ISDP and 5 min ISDP					87,528								31	
		1.95	# of Perfs/stage			Look	24							Flush depth	8014		gal/md-ft	38,000	43,260	lbs sand/md-ft		
							41.7	<< Above pump time (min)										CBP depth	7,997		17	
3	MESAVERDE	0.16	7839	7840	3	3	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.77	7897	7898	4	4	0	ISIP and 5 min ISIP														
	MESAVERDE	0.59	7915	7916	4	4	50	Slickwater Pad			Slickwater	9,786	9,786	233	233	15.0%	0.0%	0	0		0	
	MESAVERDE	0.20	7939	7940	4	4	50	Slickwater Ramp	0.25	1.25	Slickwater	18,485	28,272	440	673	28.3%	18.6%	13,864	13,864		9	
	MESAVERDE	0.00	7954	7955	4	4	50	SW Sweep	0	0	Slickwater	0	28,272	0	673	0.0%	0.0%	0	13,864		0	
	MESAVERDE	0.00	7966	7967	4	4	50	Slickwater Ramp	1.25	1.5	Slickwater	18,485	46,757	440	1,113	28.3%	34.1%	25,417	39,281		9	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	5,250	52,007	125	1,238	0.0%	0.0%	0	39,281		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	55,007	71	1,310	4.0%	3.0%	3,000	42,281		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	18,485	73,492	440	1,750	28.3%	43.3%	32,349	74,630		9	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	5,117	78,609	122	1,872				74,630		0	
	MESAVERDE	0.00						ISDP and 5 min ISDP					78,609								28	
		1.72	# of Perfs/stage			Look	23							Flush depth	7839		gal/md-ft	38,000	43,468	lbs sand/md-ft		
							37.4	<< Above pump time (min)										CBP depth	7,750		89	
4	MESAVERDE	0.63	7580	7582	3	6	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.53	7610	7612	3	6	0	ISIP and 5 min ISIP														
	MESAVERDE	0.00	7697	7700	4	12	50	Slickwater Pad			Slickwater	6,638	6,638	158	158	15.0%	0.0%	0	0		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	12,539	19,177	299	457	28.3%	19.4%	9,404	9,404		6	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	19,177	0	457	0.0%	0.0%	0	9,404		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	12,539	31,716	299	755	28.3%	35.5%	17,241	26,645		6	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	31,716	0	755	0.0%	0.0%	0	26,645		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	31,716	0	755	0.0%	0.0%	0	26,645		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	12,539	44,255	299	1,054	28.3%	45.2%	21,943	48,588		6	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	4,948	49,203	118	1,172				48,588		0	
	MESAVERDE	0.00						ISDP and 5 min ISDP					49,203								19	
		1.16	# of Perfs/stage			Look	24							Flush depth	7580		gal/md-ft	38,000	41,721	lbs sand/md-ft		
							23.4	<< Above pump time (min)										CBP depth	7,406		174	

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Stage	Zone	Md-Ft of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
			Top, ft.	Bot., ft.																		
5	MESAVERDE	0.07	7240	7242	3	6	Varied				Slickwater		0	0	0							
	MESAVERDE	0.20	7318	7320	3	6	0				ISIP and 5 min ISIP											
	MESAVERDE	0.34	7339	7341	3	6	50				Slickwater Pad	3,446	3,446	82	82	15.0%	0.0%	0	0		0	
	MESAVERDE	0.00	7354	7356	3	6	50	0.25	1.25		Slickwater Ramp	6,510	9,956	155	237	28.3%	19.4%	4,882	4,882		3	
	MESAVERDE	0.00					50	0	0		SW Sweep	0	9,956	0	237	0.0%	0.0%	0	4,882		0	
	MESAVERDE	0.00					50	1.25	1.5		Slickwater Ramp	6,510	16,465	155	392	28.3%	35.5%	8,951	13,833		3	
	MESAVERDE	0.00					50	0	0		SW Sweep	0	16,465	0	392	0.0%	0.0%	0	13,833		0	
	MESAVERDE	0.00					50	0.5	1.5		Slickwater Ramp	0	16,465	0	392	0.0%	0.0%	0	13,833		0	
	MESAVERDE	0.00					50	1.5	2		Slickwater Ramp	6,510	22,975	155	547	28.3%	45.2%	11,392	25,224		3	
	MESAVERDE	0.00					50				Flush (4-1/2)	4,726	27,701	113	660				25,224		0	
	MESAVERDE	0.00									ISDP and 5 min ISDP		27,701									10
		0.60	# of Perfs/stage			Look												38,000	41,721	lbs sand/md-ft	224	
						24								Flush depth	7240			gal/md-ft	38,000	CBP depth	7,016	
							13.2	<< Above pump time (min)														
6	MESAVERDE	0.36	6711	6712	4	4	Varied				Slickwater		0	0	0							
	MESAVERDE	0.81	6770	6771	4	4	0				ISIP and 5 min ISIP											
	MESAVERDE	0.82	6789	6790	4	4	50				Slickwater Pad	12,781	12,781	304	304	15.0%	0.0%	0	0		0	
	MESAVERDE	0.26	6832	6833	4	4	50	0.25	1.25		Slickwater Ramp	24,141	36,922	575	879	28.3%	18.8%	18,106	18,106		12	
	MESAVERDE	0.00	6859	6860	4	4	50	0	0		SW Sweep	0	36,922	0	879	0.0%	0.0%	0	18,106		0	
	MESAVERDE	0.00	6964	6966	3	6	50	1.25	1.5		Slickwater Ramp	24,141	61,063	575	1,454	28.3%	34.4%	33,194	51,300		12	
	MESAVERDE	0.00					50	0	0		SW Sweep	5,250	66,313	125	1,579	0.0%	0.0%	0	51,300		0	
	MESAVERDE	0.00					50	0.5	1.5		Slickwater Ramp	3,000	69,313	71	1,650	3.1%	3.0%	3,000	54,300		0	
	MESAVERDE	0.00					50	1.5	2		Slickwater Ramp	24,141	93,454	575	2,225	28.3%	43.8%	42,247	96,546		12	
	MESAVERDE	0.00					50				Flush (4-1/2)	4,381	97,835	104	2,329				96,546		0	
	MESAVERDE	0.00									ISDP and 5 min ISDP		97,835									36
		2.24	# of Perfs/stage			Look												38,000	43,059	lbs sand/md-ft	50	
						26								Flush depth	6711			gal/md-ft	38,000	CBP depth	6,661	
							46.6															
	Totals	8.22				143						Total Fluid	366,997	gals	8,738	bbls		Total Sand	352,062			
							2.9								19.4	tanks				Total Scale Inhib. =	133	

Total Stages 6 stages
Last Stage Flush 4381 gals

Friction Reducer	181	gals @	0.5	GPT
Surfactant	363	gals @	1.0	GPT
Clay Stabilizer	363	gals @	1.0	GPT
15% Hcl	1500	gals @	250	gal/stg
Iron Control for acid	8	gals @	5.0	GPT of aci
Surfactant for acid	2	gals @	1.0	GPT of aci
Corrosion Inhibitor for acid	3	gals @	2.0	GPT of aci

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	133	gals pumped per schedule above
Biocide	181	gals @ 0.5 GPT

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
UTU01191A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
UTU63047A

8. Well Name and No.
NBU 1022-03G3T

9. API Well No.
43-047-39993

10. Field and Pool, or Exploratory
NATURAL BUTTES

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

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **KERR-MCGEE OIL&GAS ONSHORE, LP** Contact: **ANDY LYTLE**
Email: **andrew.lytle@anadarko.com**

3a. Address
P.O. BOX 173779
DENVER, CO 80217

3b. Phone No. (include area code)
Ph: 720-929-6100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 3 T10S R22E SWNE 2121FNL 2143FEL

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

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

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

The surface hole for this well was originally permitted as a 12-1/4" hole. The original drill plan documented that 9-5/8" 36# J-55 surface csg would be ran.

The operator drilled the surface hole as an 11" hole with 8-5/8" 28# J-55 casing. This issued was discussed by phone between Andy Lytle (Kerr-McGee), Danielle Piernot (Kerr-McGee), and Robin Hansen (PE Vernal BLM).

Please see attached updated drill program for this well. Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

Federal Approval of This
Action Is Necessary

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #98225 verified by the BLM Well Information System For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name (Printed/Typed) ANDY LYTLE	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/29/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

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

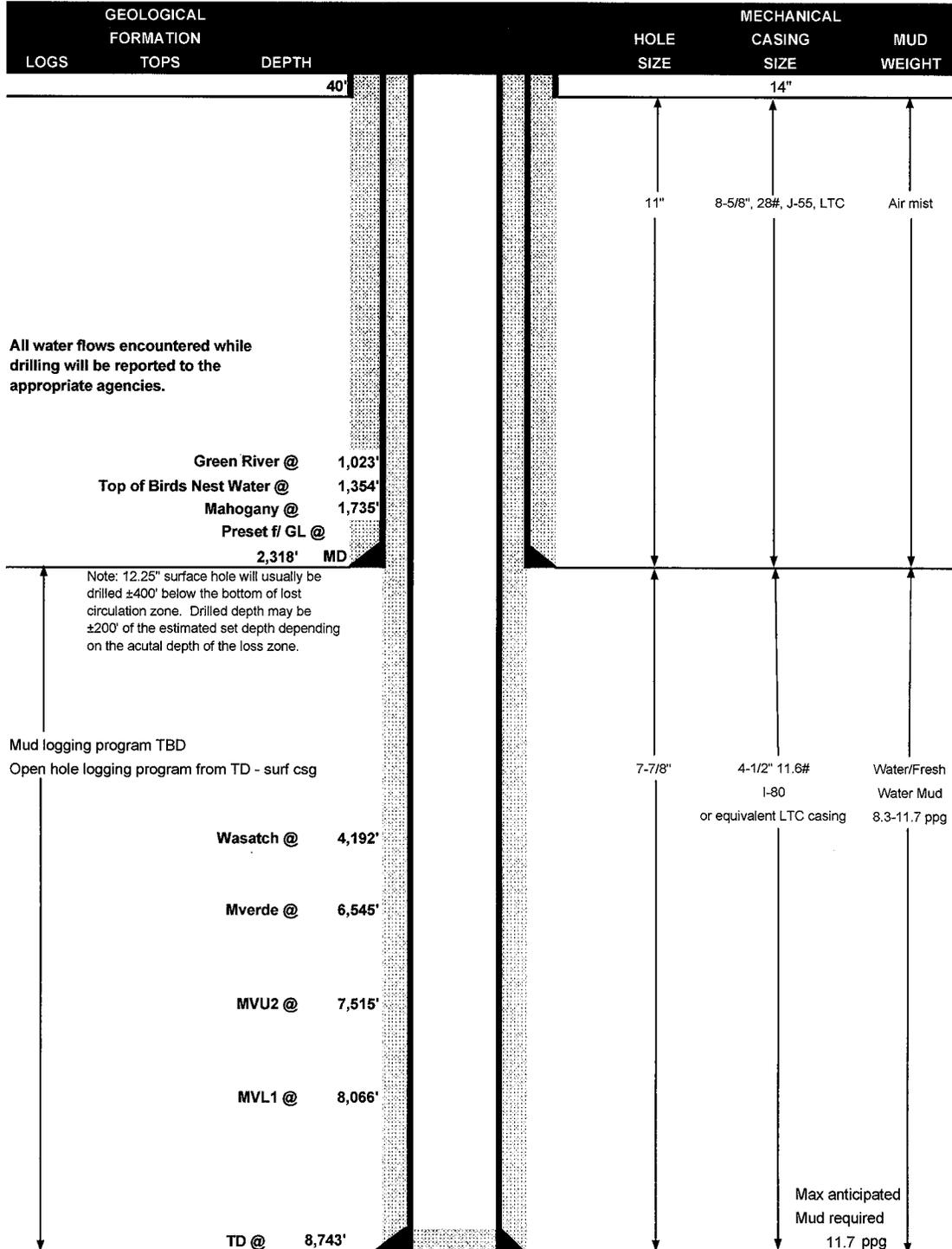
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DEC 08 2010

DIV OF OIL, GAS & MINING



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 29, 2010
 WELL NAME NBU 1022-03G3T TD 8,600' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,987' GL KB 5,002'
 SURFACE LOCATION SW/4 NE/4 2,121' FNL 2,143' FEL Sec 3 T 10S R 22E BHL Straight Hole
 Latitude: 39.979444 Longitude: -109.424328 NAD 83
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), BLM (SURFACE), UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	8-5/8"	0 to 2318	28.00	J-55	LTC	3,390 1.01*	1,880 1.73	348,000 5.36
PRODUCTION	4-1/2"	0 to 8743	11.60	I-80	LTC	7,780 2.33	6,350 1.19	201,000 2.45

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.32

- 1) Max Anticipated Surf. Press.(MASP) (Surf Csg) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac grad x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 11.7 ppg) 0.22 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 3,297 psi
- 3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
 (Burst Assumptions: TD = 11.7 ppg) 0.6 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,220 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,690'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 1% Retarder	455	40%	12.50	1.98
	TAIL	4,910'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	941	40%	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. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and 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:** _____
 John Huycke / Grant Schluender

DRILLING SUPERINTENDENT: _____ **DATE:** _____
 John Merkel / NBL 1042-0331 Drilling Diagram REVISED.xls
 John Merkel / Lover Young

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191-A
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-03G3T
------------------------------------	---

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000
---	---

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
---	--	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: Uintah STATE: Utah
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/22/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON DECEMBER 22, 2010 AT 11:30 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 12/27/2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/27/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 1022-03G3T
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	9. API NUMBER: 43047399930000
PHONE NUMBER: 720 929-6514	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/14/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width:100px;" type="text"/>

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

The operator requests authorization to temporarily abandon the subject well location in order to drill the NBU 1022-3G pad. Please see attached procedure.

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

Date: August 20, 2012

By: *Derek Quist*

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/14/2012	

Well Name: **NBU 1022-3G3T**
 Surface Location: SWNE Sec. 3, T10S, R22E
 Uintah County, UT

8/14/12

Recommended action for disposition of well bore:

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

API: 4304739993 LEASE#: UTU-01191A

ELEVATIONS: 4987' GL 5005' KB

TOTAL DEPTH: 8743' PBDT: 8693'

SURFACE CASING: 8 5/8", 28# @ 2318'

PRODUCTION CASING: 4 1/2", 11.6# @ 8736'
 TOC @ Surface per CBL

PRODUCTION TUBING: 2 3/8" J-55 TBG @ 7987' (Workover rpt 3/9/12)

PERFORATIONS: MESAVERDE 6762' - 8473'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
8.625" 28# J-55	8.097	1370	2950	2.6223	0.3505	0.0624
14" 36.7# STL						
Annular Capacities						
2.3/8" tbg. X 4 1/2" 17# csg				0.4226	0.0565	0.01
4.5" csg X 8 5/8" 28# csg				1.7961	0.2401	0.0428
8 5/8" csg X 14" 36.7# csg						
4.5" csg X 7 7/8" borehole				1.704	0.2278	0.0406
8.5/8" csg X 12 1/4" borehole				3.0874	0.4127	0.0735
14" csg X 20" borehole				8.3232	1.1126	0.1982

GEOLOGICAL TOPS:

4208' Wasatch
 6518' Mesaverde

NBU 1022-3GT TEMPORARY ABANDONMENT PROCEDURE

GENERAL

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

PROCEDURE

Note: An estimated 24 sx of cement needed to perform procedure.

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE MV PERFORATIONS (6762' - 8473')**: RIH W/ 4 1/2" CBP. SET @ ~6710'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX / 1.6 BBL / 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~6610'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #2, PROTECT TOP OF WASATCH (4208')**: PUH TO ~4310'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4100' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 8/14/12

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/13/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has concluded the temporary abandonment operations on the subject well location on 12/13/2012. This well was plugged in order to expand and drill the NBU 1022-3G Pad wells. Please see the attached chronological well history for details. Thank you.</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>February 08, 2013</p>
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 1/21/2013	

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-3G3T		Spud Conductor: 9/9/2010		Spud Date: 9/11/2010	
Project: UTAH-UINTAH			Site: NBU 1022-3G3T		Rig Name No: SWABBCO 1/1
Event: ABANDONMENT			Start Date: 12/12/2012		End Date: 12/13/2012
Active Datum: RKB @5,005.00usft (above Mean Sea Level)			UWI: SW/NE/0/10/S/22/E/3/0/0/6/PM/N/2,121.00/E/0/2,143.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
12/11/2012	7:00 -							REMOVE PRODUCTION FACILITIES TO PREARE LOCATION FOR PAD DRILLING
12/12/2012	7:00 - 7:15	0.25	ABANDT	48		P		JSA= WELL CONTROL
	7:15 - 17:00	9.75	ABANDT	30		P		MOVE IN SPOT EQUIP RU RIG SIWP= 600 PSI CONTROL TUB W/ T MAC ND W/H NU BOPS RU FLOOR & TUBING EQUIP UNLAND TUBING NU SCAN TECH POOH SCAN TUB, 252 JNTS 15 RB 237 YB RD SCAN TECH RU CUTTERS RIH W/ GUAGE RNG TO 6750' POOH PU CBP RIH SET @ 6710' FILL HOLE TEST TO 500 PSI SIW SDFN
12/13/2012	7:00 - 7:15	0.25	ABANDT	48		P		JSA= PUMPING CEMENT
	7:15 - 17:00	9.75	ABANDT	30		P		SIWP= 0 PSI PU NOTCHED COLLAR RIH TAG CBP @ 6710' PUH 10' NU PRO PETRO MIX & PUMP 8SK CEM 1.6 BBL CEM POOH LD 76 JNTS EOT @ 4310' NU PRO PETRO MIX & PUMP 16 SK 3.3 BBL CEM BAL PLUG POOH LD TUB RD FLOOR & TUB EQUIP ND BOPS ND W/H RD RIG MOVE RIG & EQUIP TO NBU 1022-1F.
								Lat: 39.97932 Long: -109.4243

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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399930000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2121 FNL 2143 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 03 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/10/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well was temporarily abandoned to drill and complete the NBU 1022-03G Pad. On 5/10/2013 well work had completed drilling out plugs and returned the well to production on 5/11/2013. Please see attached daily summary.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 27, 2014</p>		
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 2/27/2014	

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-3G3T		Spud Conductor: 9/9/2010		Spud Date: 9/11/2010				
Project: UTAH-UINTAH			Site: NBU 1022-03G PAD			Rig Name No:		
Event: ABANDONMENT			Start Date: 4/29/2013			End Date: 5/10/2013		
Active Datum: RKB @5,005.00usft (above Mean Sea Level)				UWI: SW/NE/0/10/S/22/E/3/0/0/6/PM/N/2,121.00/E/0/2,143.00/0/0				

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/29/2013	7:00 -							REBUILD PRODUCTION FACILITIES TO RETURN WELL TO PRODUCTION
5/9/2013	7:00 - 7:15	0.25	ABANDT	48		P		JSA-SSAFETY MEETING
	7:15 - 10:00	2.75	ABANDT	30	A	P		MOVE RIG UP UNIT, N/D WH, N/U BOPS,
	10:00 - 12:00	2.00	ABANDT	31	I	P		P/U 3 7/8" BIT AND POBS, RIH W/ 2 3/8" J-55 YELLOW BAND TBG, TAG TOP CEMENT @ 4054', R/U POWER SWIVEL, PRESSURE TEST CSG AND BOPS 2000#, OK,
	12:00 - 17:00	5.00	ABANDT	44	A	P		DRILL OUT CEMENT FROM 4054' TO 4310', 256' CEMENT, FELL FREE, CIRC WELL CLEAN, R/D SWIVEL, SWI SDFN
5/10/2013	7:00 - 7:15	0.25	ABANDT	48		P		JSA-SAFETY MEETING
	7:15 - 8:15	1.00	ABANDT	31	I	P		NO PRESSURE ON WELL, P/U RIH W/ 2 3/8" TBG, TAG CEMENT @ 6558', R/U SWIVEL AND FOAM UNIT,
	8:15 - 17:00	8.75	ABANDT	44	A	P		ESTB CIRC W/ FOAM UNIT DRILL OUT CEMENT FROM 6558' TO 6710', DRILL OUY CIBP IN 20 MIN W/ 400# DIFF, RIH W/ TBG @ 7965', DRILL OUT 20' LIGHT SCALE, RIH TAG PBSD @ 8578', P/O LAY DN 17 JTS ON TRAILER, BROACH TBG, LAND TBG W/ 248JTS 2 3/8" J-55 YELLOW BAND TBG, N/D BOPS, N/U WH, PUMP BIT OFF @ 2000 #, TURN WELL OVER TO PRODUCTION, R/D UNIT MOVE OFF LOC,
								KB = 18.00'
								HANGER = .83'
								248 JTS 2 3/8" J-55 Y B TBG = 7961.26'
								XN-NIPPLE, 1.875" POBS = 2.20'
								EOT = 7982.29'
								280 JTS 2 3/8" J-55 YELLOW BAND DELV. 248 JTS 2 3/8" J-55 YELLOW BAND LANDED
								31 JTS 2 3/8" J-55 TBG RETURNED
								1 JT 2 3/8" J-55 TBG BAD RETURNED

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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/9/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: TUBING OBSTRUCTION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
A WORKOVER FOR A TUBING OBSTRUCTION HAS BEEN COMPLETED ON THE NBU 1022-03G3T, SEE THE ATTACHED OPERATIONS SUMMARY REPORT,		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 27, 2015		
NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 7/20/2015	

US ROCKIES REGION

Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 1022-3G3T			Spud Conductor: 9/9/2010			Spud date: 9/11/2010		
Project: UTAH-UINTAH			Site: NBU 1022-03G PAD			Rig name no.: MILES 2/2		
Event: WELL WORK EXPENSE			Start date: 7/1/2015			End date: 7/2/2015		
Active datum: RKB @5,005.00usft (above Mean Sea Level)			UWI: SW/NE/0/10/S/22/E/3/0/0/6/PM/N/2,121.00/E/0/2,143.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
6/29/2015	7:00 - 11:00	4.00	MAINT	35		P		Travel to location. Rig up. Rih jar up on spring @ 7979 for 20mins. Pooh. Ready for workover. Rig down. Travel back to shop,.. Thank you.
7/1/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, SLIPS, TRIPS & FALLS, SCANNING TBG, TRIPPING
	7:15 - 9:30	2.25	MAINT	30	A	P		MIRU, SPOT EQUIP, CONTROL WELL W/ 20 BBLS TBG, 30 BBLS CSG, UNLAND TBG STUCK HAD TO WORK SEVERAL TIMES TO 60K CAME FREE, ND WH, NU BOP & P/T TO 3,000 PSI, GOOD, RU FLOOR & TBG EQUIP, RIH CHECK FILL TAGGED @ 8160', 5 SETS OF PERFS COVERED
	9:30 - 13:30	4.00	MAINT	45	A	P		MIRU SCAN TECH, POOH, SCANNED 248 JTS J-55 TBG, 127 JTS YELLOW, 85 JTS BLUE, 36 JTS RED, HEV INTER PITTING JTS 6-71 NO INTER SCALE, LITE INTER PITTING JTS 91-164, MED TO HEV EXTER SCALE JTS 239-248, RDMO, TOOK SAMPLE TO NALCO
	13:30 - 16:00	2.50	MAINT	31	I	P		PU 3 7/8" MILL, RIH TO TOP PERF @ 6762', EOT @ 6750', RU P/S, SWI, SDFN
7/2/2015	7:00 - 7:15	0.25	MAINT	48		P		HSM, SLIPS, TRIPS & FALLS, TRIPPING, A/F UNIT
	7:15 - 18:30	11.25	MAINT	31	I	P		SIP 500 PSI, OPEN & CONTROL WELL W/ 10 BBLS TMAC, RIH W/ TBG TAG @ 7967', RU A/F UNIT, INSTAL S/F & BRK CIRC W/ A/F, C/O LITE TO MED SCALE BRIDGES FROM 7967' TO 7990', C/O 8150' TO 8180', C/O 8460' QUIT MAKING HOLE ((OLD POBS ??)), BTM SET OF PERFS STIL COVERED @ 8471-73', PUMP SWEEP & OXYGEN SCAVENGER, CIRC WELL CLEAN, TOP KILL TBG, RD P/S, L/D 16 JTS, REMOVE S/F, POOH L/D MILL, PU 1.875" S/N/NC, RIH LAND TBG W/ 249 JTS J-55 @ 7977.60', BROACH W/ 1.906" TO S/N, ND BOP, NU WH, RU A/F & BRING WELL AROUND DOWN TBG & UP CSG MIXED OXYGEN SCAVENGER W/ A/F, WELL UNLOADED SHUT OFF A/F, SWI, SDFHOLIDAY
								KB= 18' 7 1/16" HANGER= .83" 249 JTS J-55 TBG= 7957.72' 1.875" S/N/NC= 1.05" EOT @ 7977.60'
								TBG DELIVERED 65 JTS J-55 YELLOW BAND SAMUELS YARD USED 38 JTS, RETURNED 27 JTS

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-3G3T		Spud Conductor: 9/9/2010		Spud date: 9/11/2010	
Project: UTAH-UINTAH			Site: NBU 1022-03G PAD		Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE			Start date: 7/1/2015		End date: 7/2/2015
Active datum: RKB @5,005.00usft (above Mean Sea Level)			UWI: SW/NE/0/10/S/22/E/3/0/0/6/PM/N/2,121.00/E/0/2,143.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
7/9/2015	7:00 - 10:00	3.00	MAINT	35		P		Travel to location rig up on well head. Run TD with the sample bailor set down at 8492 came out no sample. Run scratcher set down at 8002 came out no tight spot in the hole. Run 1.9 broach set down at 8002 came out tubing was clean no tight spot was found. Found fluid level depth at 6228. Drop and chase new titanium spring and new 1.885 shift rod external bypass plunger to bottom came out rig down travel to the shop.