

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-01196-B

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 1022-09F4T

9. API Well No.
43047-39996

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

10. Field and Pool, or Exploratory
Natural Buttes Field

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface 2051' FNL & 2021' FWL 632649X 39.965029
At proposed prod. zone N/A 44248224 -109.446282

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 9, T 10S R 22E SENEW

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

12. County or Parish
Uintah

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2021'

16. No. of acres in lease
320

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
8800'

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5218' 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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) Kevin McIntyre	Date 04/07/2008
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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)

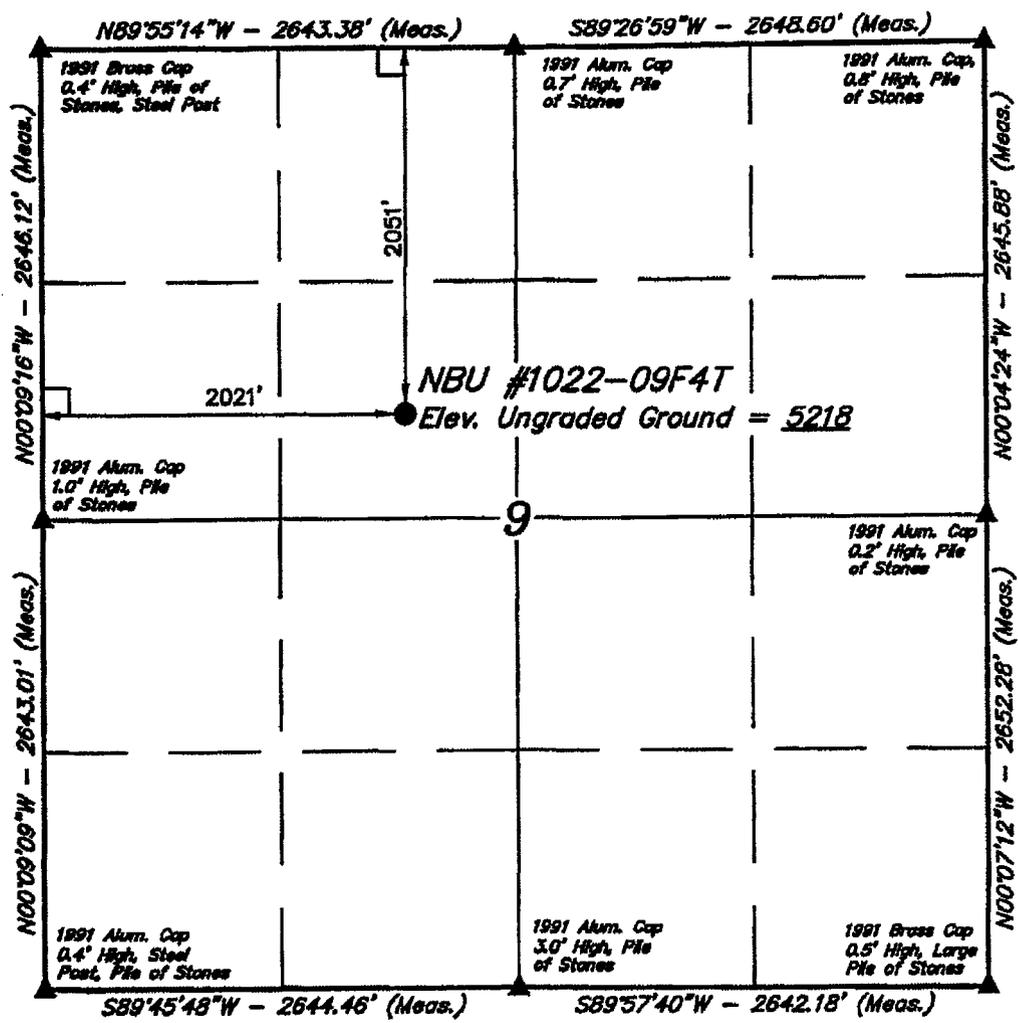
RECEIVED

APR 09 2008

DIV. OF OIL, GAS & MINING

**Federal Approval of this
Action is Necessary**

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



Kerr McGee Oil & Gas Onshore LP

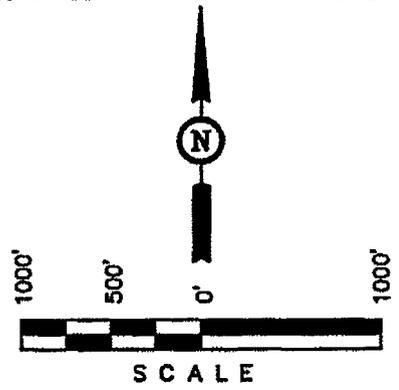
Well location, NBU #1022-09F4T, located as shown in the SE 1/4 NW 1/4 of Section 9, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

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

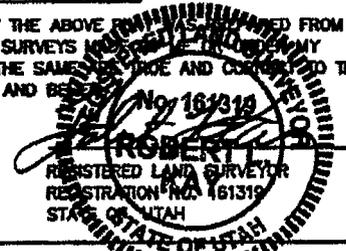
BASIS OF BEARINGS

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REPRESENTS THE TRUE AND CORRECT LOCATION OF THE PROPOSED WELL HEAD AS SHOWN 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.

LATITUDE	=	39°57'54.37"	(39.965103)
LONGITUDE	=	109°26'49.28"	(109.447022)
		(NAD 83)	
LATITUDE	=	39°57'54.49"	(39.965136)
LONGITUDE	=	109°26'46.82"	(109.446339)
		(NAD 27)	

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	02-15-08	02-18-08
PARTY	REFERENCES	
B.B. T.M. C.C.	G.L.O. PLAT	
WEATHER	FILE	
COLD	Kerr McGee Oil & Gas Onshore LP	

NW NBU 1022-09F4T
SESE SEC 9-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01196-B

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 83' +/- . 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

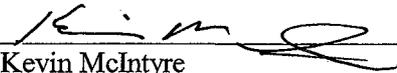
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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 1022-09F4T
SESE Sec. 9, T10S, R22E
UINTAH COUNTY, UTAH
UTU-01196-B

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1154'
Wasatch	4336'
Mesa Verde	6809'
TD	8800'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	1154'
Gas	Wasatch	4336'
Gas	Mesaverde	6809'
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 8800' TD, approximately equals 3326 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 1936 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-O9F4T
SECTION 9, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 7.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE EXISTING ACCESS; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 83' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 56.6 MILES.

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2,200'	36.00	J-55	LTC	3520	2020	453000
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8800	11.60	I-80	LTC	2.34	1.21	2.26

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*BuoY.Fact. of water)
 MASP 3326 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
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,830'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	420	60%	11.00	3.38
	TAIL	4,970'	50/50 Poz/G + 10% salt + 2% gel + 1% R-3	1390	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.

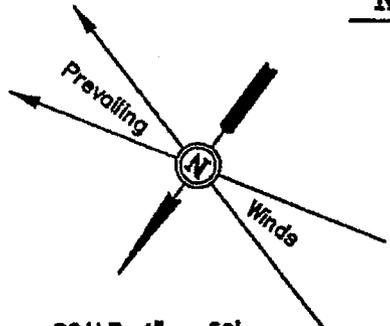
DRILLING ENGINEER: _____
 Brad Laney
 DRILLING SUPERINTENDENT: _____
 Randy Bayne NBU 1022-09F4T.xls

DATE: _____
 DATE: _____

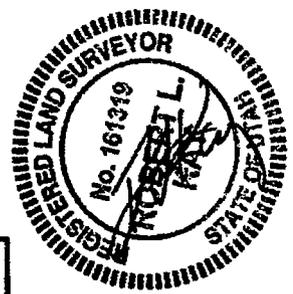
Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

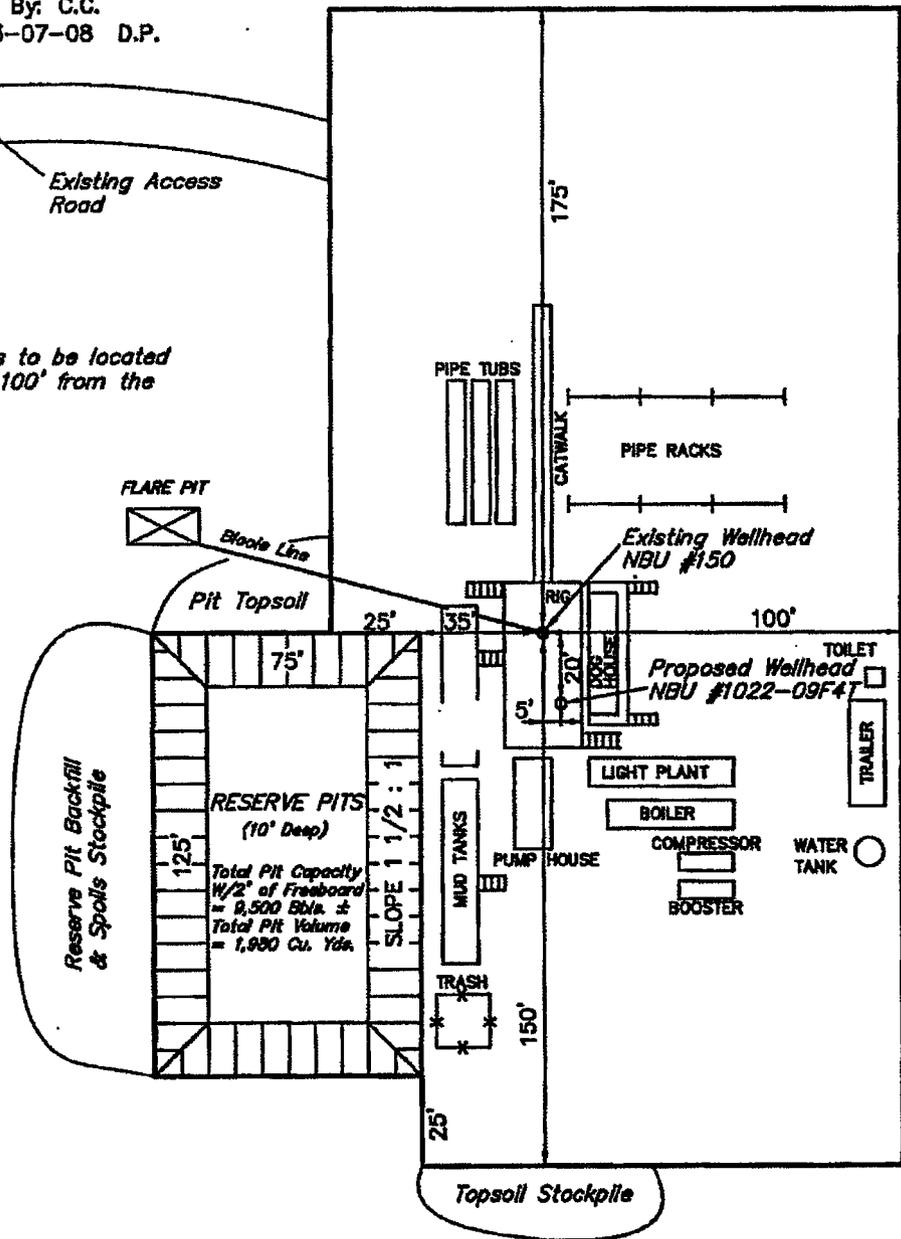
LOCATION LAYOUT FOR
 NBU #1022-09F4T
 SECTION 9, T10S, R22E, S.L.B.&M.
 2051' FNL 2021 FWL



SCALE: 1" = 50'
 DATE: 02-18-08
 Drawn By: C.C.
 Revised: 03-07-08 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 = 5217.9'

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East • Vernal, Utah 84078 • (435) 788-1077

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-O9F4T

LOCATED IN UTAH COUNTY, UTAH
SECTION 9, T10S, R22E, S.L.B.&M.

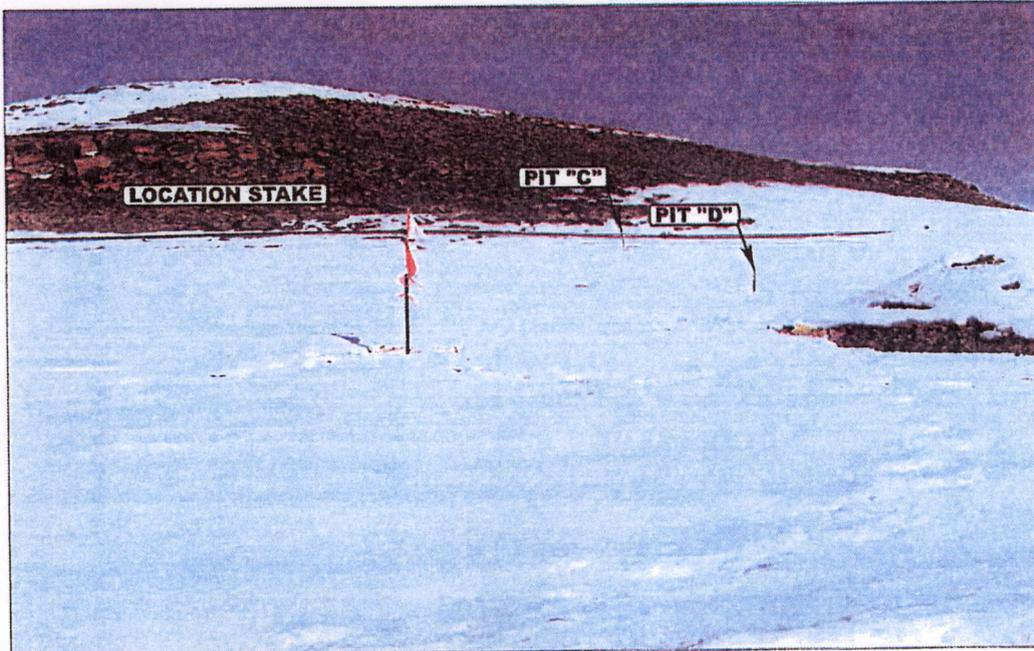


PHOTO: VIEW FROM LOCATION STAKE TOWARD PIT C & D

CAMERA ANGLE: NORTHEASTERLY

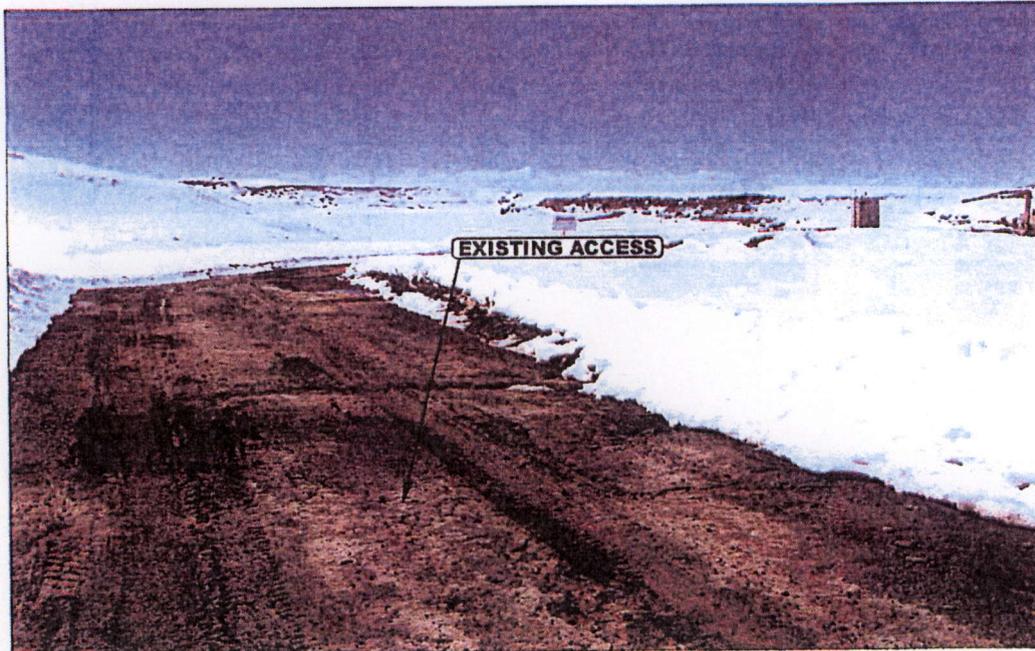


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHWESTERLY



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

LOCATION PHOTOS

2 22 08
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: G.L.

REVISED: 3-3-08



LEGEND:

● PROPOSED LOCATION

N



Kerr-McGee Oil & Gas Onshore LP

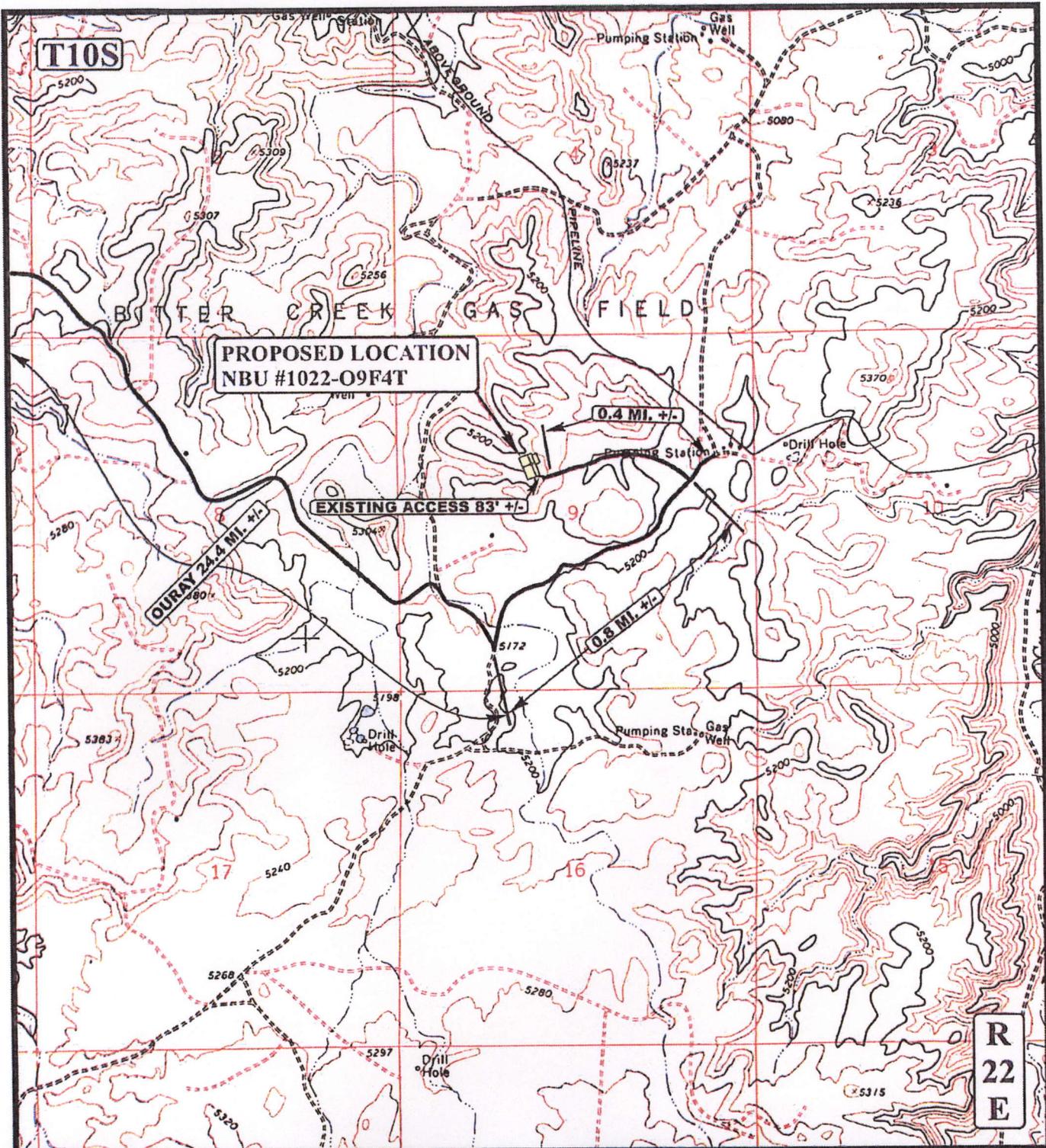
NBU #1022-09F4T

SECTION 9, T10S, R22E, S.L.B.&M.

2051 FNL 2021 FWL

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

TOPOGRAPHIC 2 22 08
MAP MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: GL. REVISED: 3-3-08 **A**
TOPO



LEGEND:

————— EXISTING ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-09F4T
 SECTION 9, T10S, R22E, S.L.B.&M.
 2051 FNL 2021 FWL

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

TOPOGRAPHIC **2 22 08**
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: GL. REVISED: 3-3-08

B
TOPO

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/09/2008

API NO. ASSIGNED: 43-047-39996

WELL NAME: NBU 1022-09F4T
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: KEVIN MCINTYRE

PHONE NUMBER: 720-929-626

PROPOSED LOCATION:
 SENW 09 100S 220E
 SURFACE: 2051 FNL 2021 FWL
 BOTTOM: 2051 FNL 2021 FWL
 COUNTY: UINTAH
 LATITUDE: 39.96503 LONGITUDE: -109.4463
 UTM SURF EASTINGS: 632699 NORTHINGS: 4424822
 FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-01196-B
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[1] Ind[] Sta[] Fee[]
 (No. WYB000291)

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit
 (No. 43-8496)

RDCC Review (Y/N)
 (Date: _____)

Fee Surf Agreement (Y/N)

Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General
 Siting: 460' From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

Drilling Unit
 Board Cause No: 173-14
 Eff Date: 12-2-1999
 Siting: 460' for u/bdrz & u/bdrz from comm. Trust

___ R649-3-11. Directional Drill

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval
2- OIL SHALE

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 1022-09F4T Well, 2051' FNL, 2021' FWL, SE NW, Sec. 9, 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 43-047-39996.

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 1022-09F4T

API Number: 43-047-39996

Lease: UTU-01196-B

Location: SE NW **Sec. 9** **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

APR 09 2008

Form 3160-3
(August 2007)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-01196-B

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 1022-09F4T

9. API Well No.
43-047-39996

10. Field and Pool, or Exploratory
Natural Buttes Field

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 9, 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 2051' FNL & 2021' FWL
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)
2021'

16. No. of acres in lease
320

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
8800'

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5218' GL

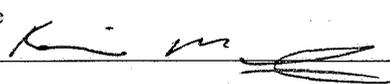
22. Approximate date work will start*
ASAP

23. Estimated duration
10 days

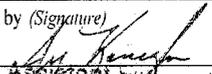
24. Attachments

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  Name (Printed/Typed) Kevin McIntyre Date 04/07/2008

Title
Regulatory Analyst I

Approved by (Signature)  Name (Printed/Typed) Terry Kowicka Date SEP 10 2008

Title Assistant Field Manager
Lands & Mineral Resources Office VERNAL FIELD OFFICE

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

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

(Continued on page 2)

RECEIVED

OCT 06 2008

DIV. OF OIL, GAS & MINING

UDD61M

08JM0072A

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

APD Posted 4-17-08



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Kerr-McGee Oil & Gas Onshore, LP	Location:	SENW, Sec. 9, T10S, R22E
Well No:	NBU 1022-09F4T	Lease No:	UTU-01196-B
API No:	43-047-39996	Agreement:	Natural Buttes Unit

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

Fax: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

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

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

SITE SPECIFIC DOWNHOLE COAs:

- Logging: 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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.
UTU-01196-B

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA/Agreement, Name and/or No.
NATURAL BUTTES UNIT
89100D8900A

8. Well Name and No.
NBU 1022-09F4T

9. API Well No.
43-047-39996

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

3a. Address
PO BOX 173779, DENVER, CO 80217-3779

3b. Phone No. (include area code)
720-929-6666

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2051' FNL, 2021' FWL, SECTION 9, T10S, R22E, SENW

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

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

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

KERR MCGEE OIL AND GAS ONSHORE LP IS REQUESTING TO CHANGE THE SURFACE LOCATION OF THIS WELL TO ACCOMMODATE OUR NEW DRILLING RIGS. THERE WILL BE NO NEW DISTURBANCE.

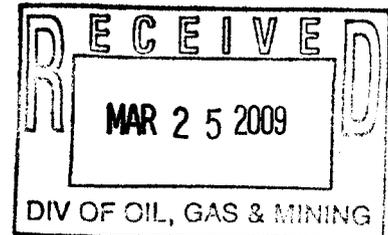
NEW FOOTAGES ARE: 2086' FNL, 2048' FWL
NEW NAME: NBU 1022-9F4T

COPY SENT TO OPERATOR

Date: 3/26/2009

Initials: KS

Federal Approval of this
Action is Necessary



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

Name (Printed/Typed) RALEEN WHITE	Title SR. REGULATORY ANALYST
Signature <i>Raleen White</i>	Date January 5, 2009

THIS SPACE FOR FEDERAL OR STATE USE

Approved by <i>[Signature]</i>	Title BRADLEY G. HILL	Date 03-25-09
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office ENVIRONMENTAL MANAGER

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

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-09F4T
LOCATED IN UINTAH COUNTY, UTAH
SECTION 9, T10S, R22E, S.L.B.&M.



PHOTO: VIEW OF LOCATION

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHWESTERLY



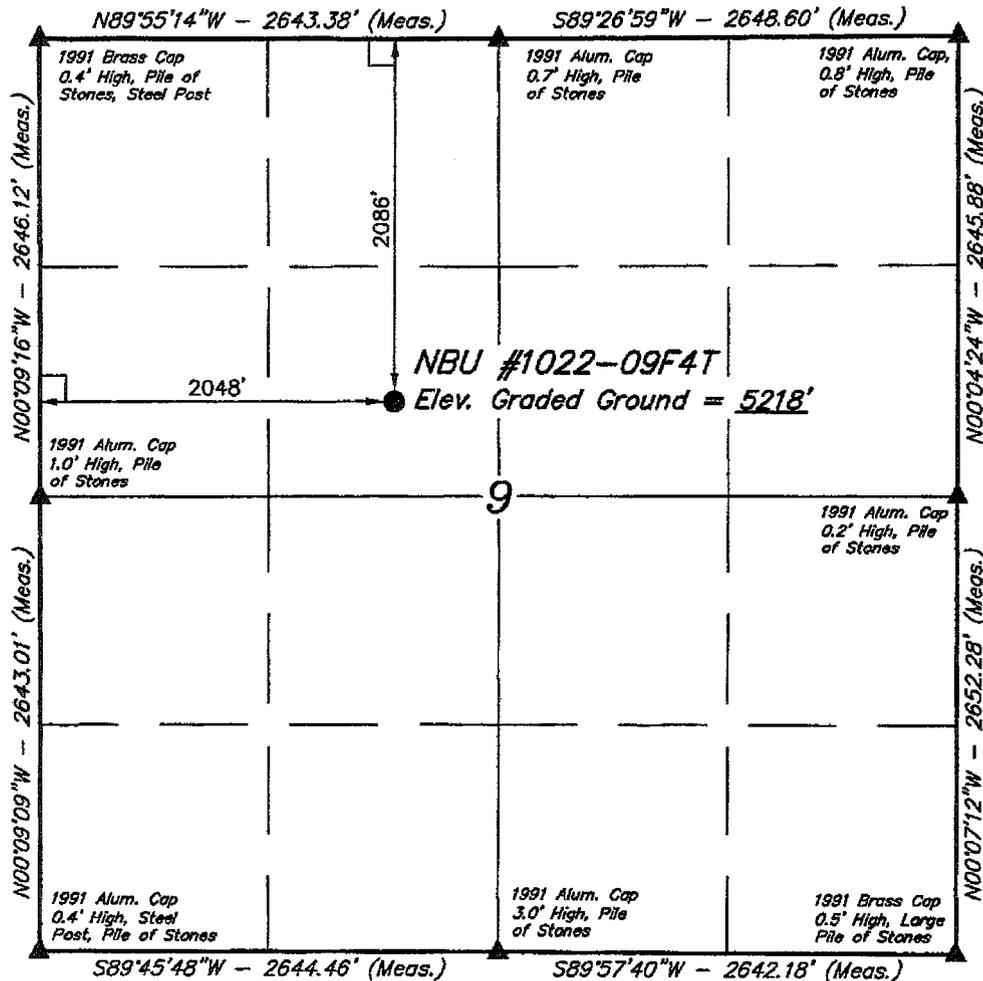
U E L S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	2	22	08	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: BB.	DRAWN BY: GL.	REV: 12-11-08 C.C.		

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

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-09F4T, located as shown in the SE 1/4 NW 1/4 of Section 9, T10S, R22E, S.L.B.&M. Uintah County, Utah.

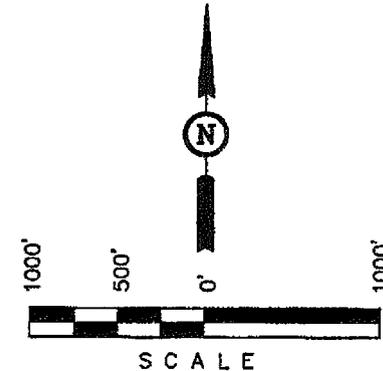


BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE

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

Robert Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

Revised: 12-11-08 C.C.
 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°57'54.02" (39.965006)
 LONGITUDE = 109°26'48.93" (109.446925)
 (NAD 27)
 LATITUDE = 39°57'54.14" (39.965039)
 LONGITUDE = 109°26'46.47" (109.446242)

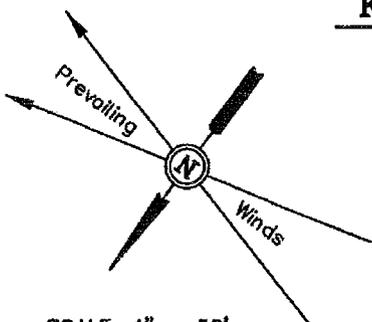
SCALE 1" = 1000'	DATE SURVEYED: 02-15-08	DATE DRAWN: 02-18-08
PARTY B.B. T.M. C.C.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #1022-09F4T
SECTION 9, T10S, R22E, S.L.B.&M.
2086' FNL 2048' FWL



SCALE: 1" = 50'

DATE: 02-18-08

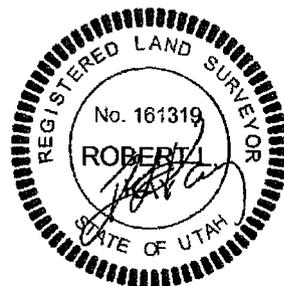
Drawn By: C.C.

Revised: 03-07-08 D.P.

Revised: 12-11-08 C.C.

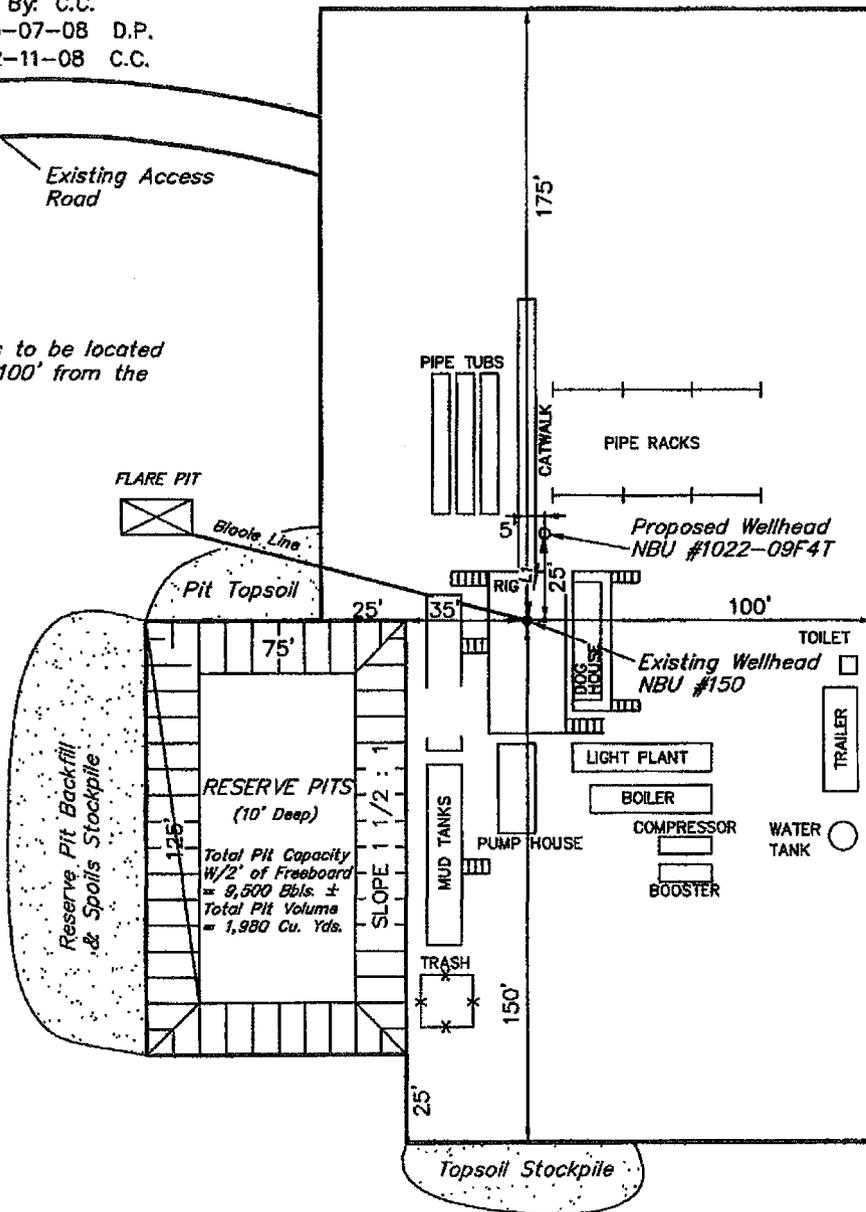
LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	154.537222'	25.48'

NAD 83 (EXIST. NBU #150)	
LATITUDE =	39°57'54.25" (39.965069)
LONGITUDE =	109°26'49.07" (109.445964)
NAD 27 (EXIST. NBU #150)	
LATITUDE =	39°57'54.37" (39.965103)
LONGITUDE =	109°26'48.61" (109.446281)



NOTE:

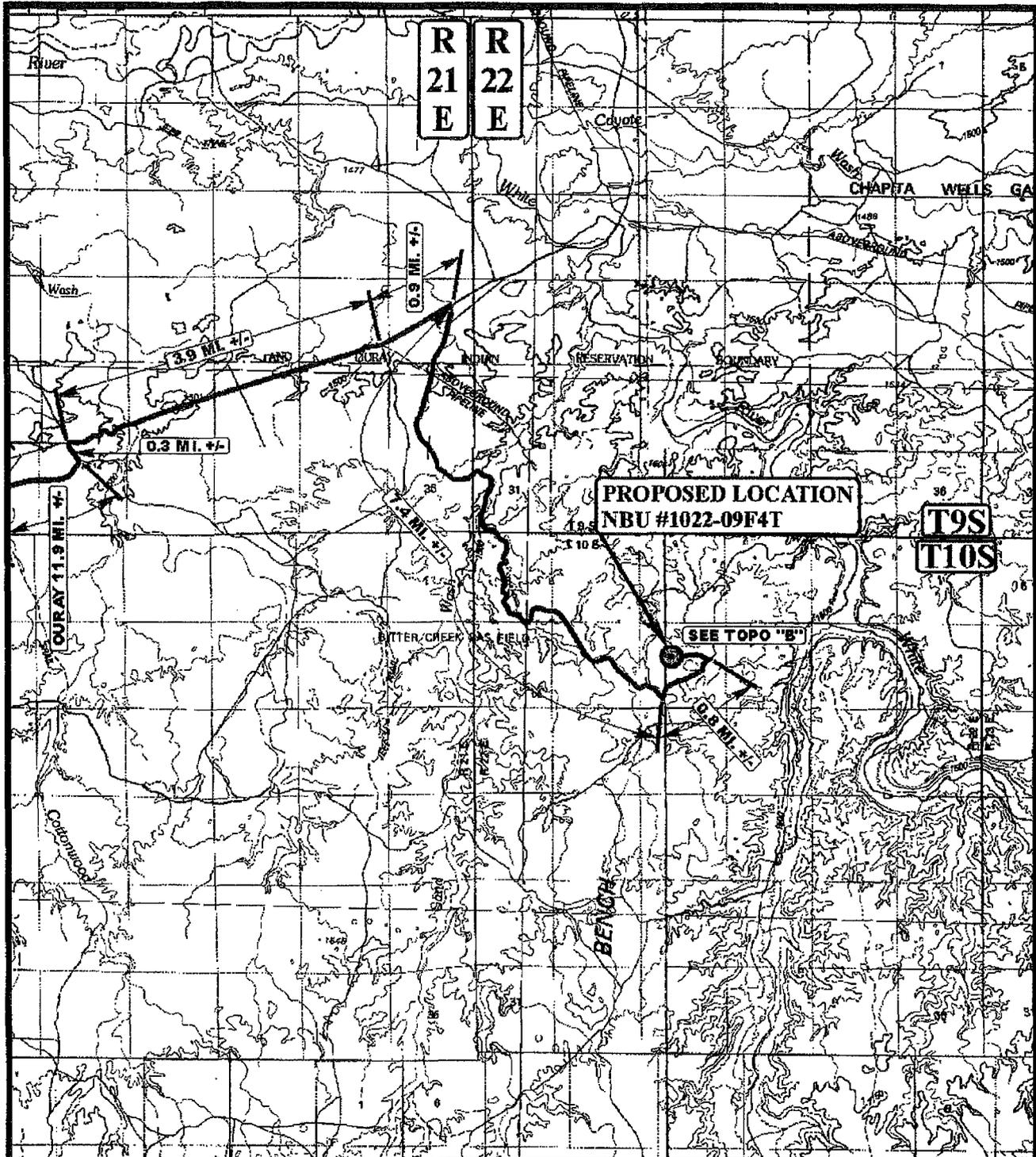
Flare Pit is to be located a min. of 100' from the Well Head.



NOTES:

Elev. As Shot Ground At Loc. Stake = 5217.9'

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



PROPOSED LOCATION
NBU #1022-09F4T

T9S
T10S

SEE TOPO "B"

LEGEND:

PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP
NBU #1022-09F4T
SECTION 9, T10S, R22E, S.L.B.&M.
2086' FNL 2048' FWL



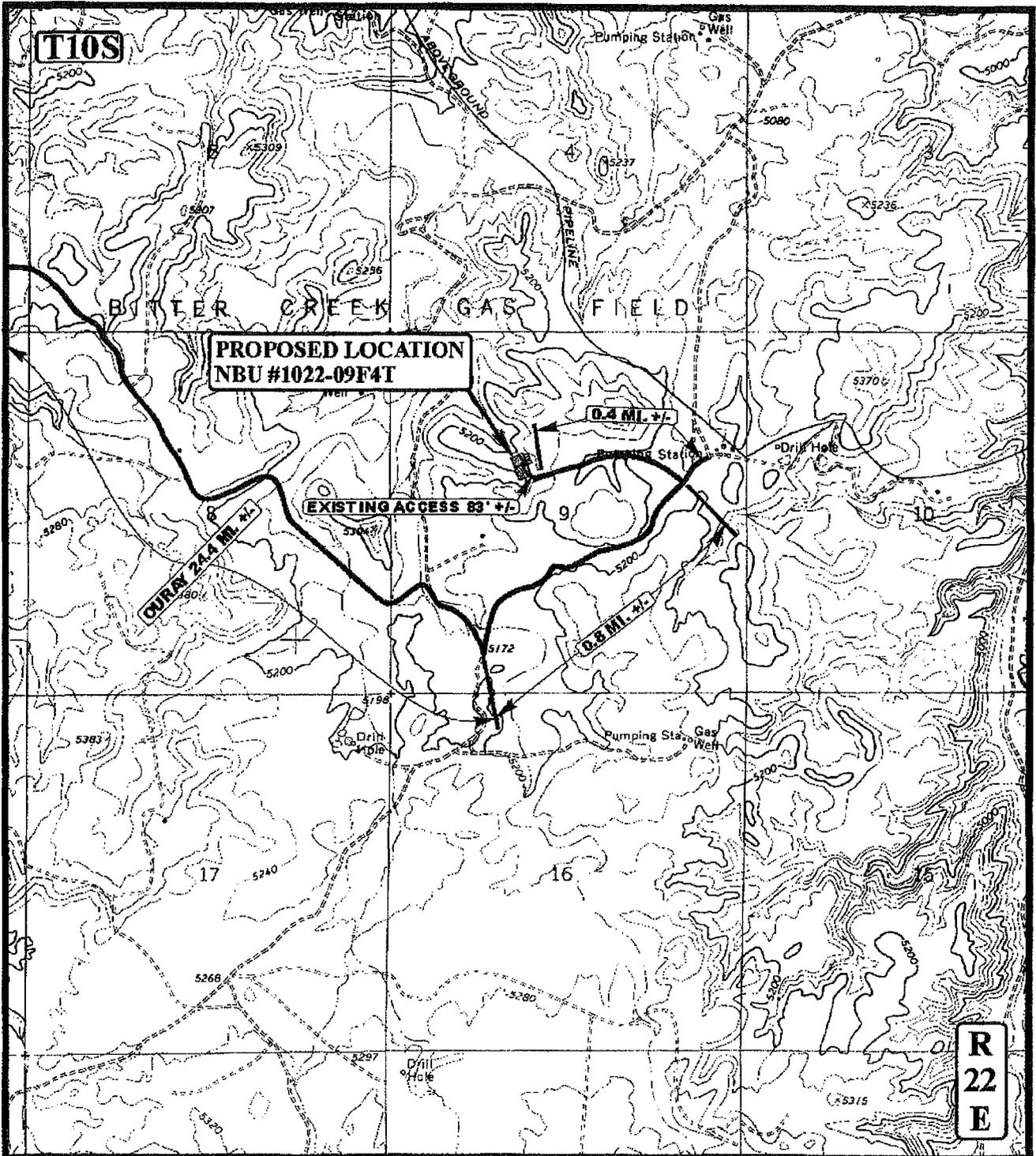
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

2	22	08
MONTH	DAY	YEAR



SCALE: 1:100,000 DRAWN BY: GL. REV: 12-11-08 C.C.



LEGEND:

————— EXISTING ROAD

Kerr-McGee Oil & Gas Onshore LP

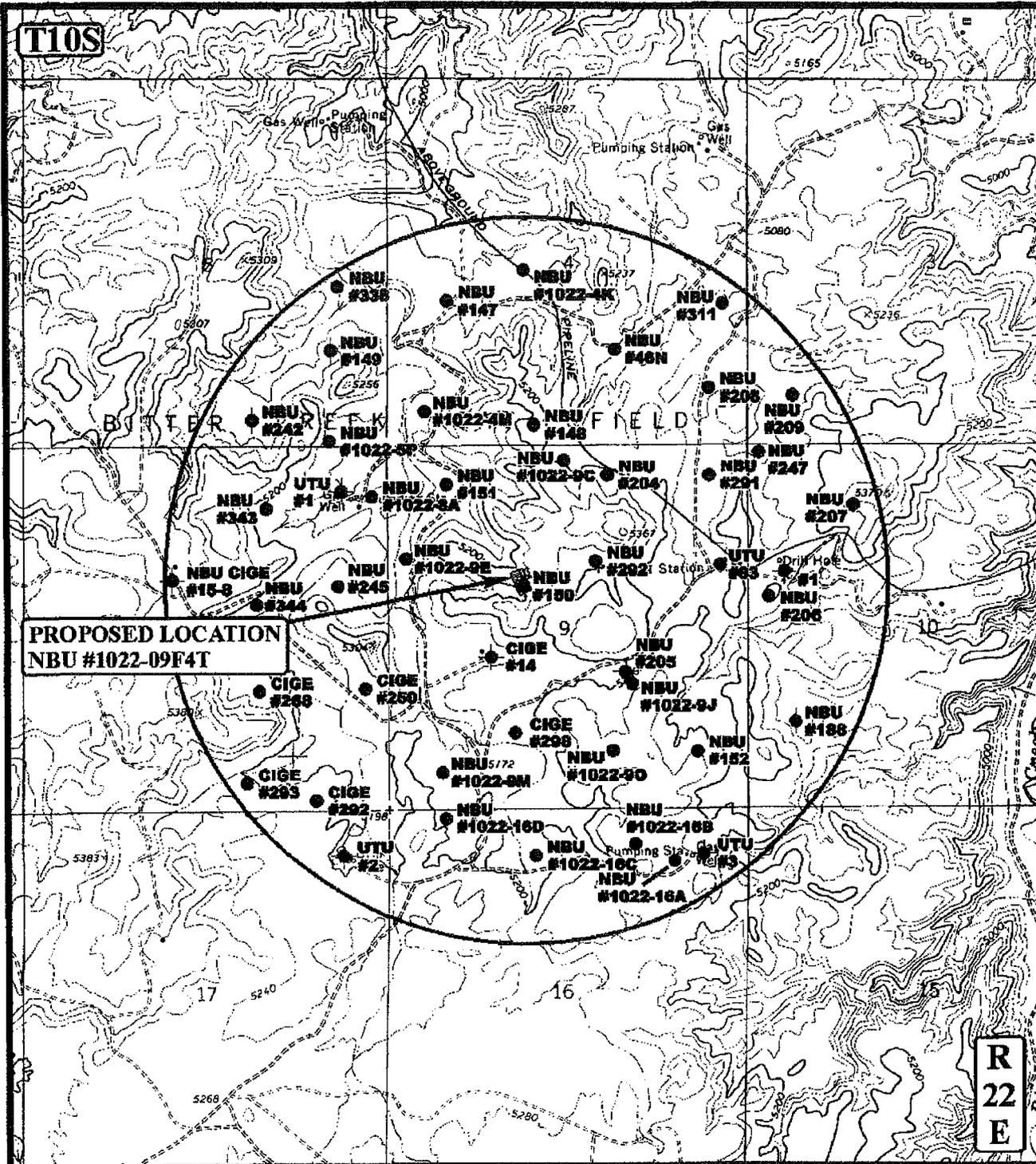
NBU #1022-09F4T
SECTION 9, T10S, R22E, S.L.B.&M.
2086' FNL 2048' FWL

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



TOPOGRAPHIC	2	22	08	B
MAP	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: GL.		REV: 12-11-08 C.C.	TOPO

T10S



PROPOSED LOCATION
NBU #1022-09F4T

R
22
E

LEGEND:

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

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-09F4T
SECTION 9, T10S, R22E, S.L.B.&M.
2086' FNL 2048' FWL



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

TOPOGRAPHIC MAP
2 22 08
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: GL. REV: 12-11-03 C.C.



**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.

5. LEASE SERIAL NO. UTU 01196B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
7. IF UNIT OR CA/AGREEMENT, NAME AND/OR NO. 891008900A
8. WELL NAME AND NO. NBU 1022-9F4T
9. API WELL NO. 43-047-39996
10. FIELD AND POOL, OR EXPLORATORY AREA Natural Buttes
11. COUNTY OR PARISH, STATE Uintah, Utah

SUBMIT IN TRIPLICATE

1. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: _____
2. NAME OF OPERATOR Kerr-McGee Oil & Gas Onshore LP
3. ADDRESS AND TELEPHONE NO. CONTACT: Danielle Piernot 1099 18th Street, Suite 1200 PHONE: 720-929-6156 Denver, CO 80202 danielle.piernot@anadarko.com
4. LOCATION OF WELL (Footage, T, R, M, or Survey Description) 2,051' FNL 2,021' FWL SENW Sec. 9 T10S R22E

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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<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 recompletable 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 recompletable 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 43-047-39996.

Approved by the
Utah Division of
Oil, Gas and Mining

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

Thank you.

Date: 04-09-09

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: 4304739996
Well Name: NBU 1022-9F4T
Location: 2,051' FNL 2,021' FWL SENW Sec. 9 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 Perrot
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 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
NOT ASSIGN	NBU 1022-2B2SX		NENE	2	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
	99999		4/27/2009				
Comments: MIRU PETE MARTIN BUCKET RIG. SPUD WELL LOCATION ON 04/27/2009 AT 1200 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739996	NBU 1022-9F4T		SENV	9	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>R</i> <u>B</u>	99999	<u>2900</u>	4/25/2009			<u>4/29/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 04/25/2009 AT 0800 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740151	NBU 1022-04HT		SENE	4	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>R</i> <u>B</u>	99999	<u>2900</u>	4/25/2009			<u>4/29/09</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>TMVRD = WSTMVD</u> SPUD WELL LOCATION ON 04/25/2009 AT 0930 HRS.							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

4/28/2009

Date

RECEIVED

APR 28 2009

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01196B
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-9F4T
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T10S R22E SENW 2086FNL 2048FWL		9. API Well No. 43-047-39996
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

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

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

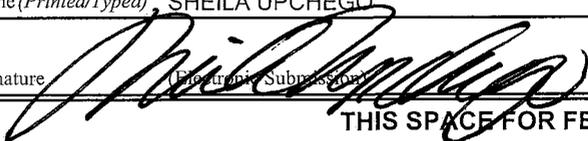
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths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

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

SPUD WELL LOCATION ON 04/25/2009 AT 0800 HRS.

RECEIVED
APR 30 2009
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #69558 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature 	Date 04/28/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01196-B
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 1022-9F4T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399960000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6587 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2051 FNL 2021 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 09 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: 6/1/2009	<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: _____

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

MIRU PROPETRO AIR RIG ON 05/30/2009. DRILLED 12 1/4" SURFACE HOLE TO 2030'. RAN 9 5/8" 36# J-55 SURFACE CSG. PMP PRE-FLUSH OF 130 SX OF WATER AND 20 SX OF GEL WATER. PMP 250 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DROP PLUG ON FLY DISPLACE W/156 BBLS OF H2O W/100 PSI OF LIFT BUMP PLUG 650. FLOATS HELD. NO RETURNS THROUGHOUT JOB. PUMP INITIAL TOP OUT W/100 SX (20.1 BBLS) @15.8 PPG 1.15 YIELD. NO CMT TO SURFACE. 2ND TOP OUT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO CMT TO SURFACE. 3RD TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. CMT TO SURFACE HOLE STAYED FULL. WORT.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 June 03, 2009

NAME (PLEASE PRINT) Sheila Upcheho	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 6/3/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01196-B
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 1022-9F4T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399960000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6587 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2051 FNL 2021 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 09 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: 6/11/2009	<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: _____

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

FINISHED DRILLING FROM 2030' TO 8900' ON 06/09/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/619 SX PREM LITE II @12.4 PPG 2.03 YIELD. TAILED CMT W/1100 SX 50/50 POZ @14.3 PPG 1.31 YIELD. 256.56 BBL SLURRY DROP PLUG & DISPLACE W/137 BBLS CLAY TREAT WATER BUMPED PLUG @3300 PSI (500 OVER DIFF PSI OF 2680) RETURNS THROUGH OUT JOB W/20 BBLS CMT TO PITS. NIPPLE DOWN CLEAN PITS. RELEASED PIONEER RIG 69 ON 06/11/2009 AT 0500 HRS.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 June 15, 2009

NAME (PLEASE PRINT) Sheila Upchego	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/15/2009	

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-01196-B
	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 1022-9F4T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399960000
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: 2086 FNL 2048 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 09 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: 10/18/2009	<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: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 10/18/2009 AT 09:00 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 22, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 10/21/2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-9F4T	Spud Conductor: 4/25/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 1022-9F4T	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/24/2009	End Date:
Active Datum: RKB @5,218.00ft (above Mean Sea Level)	UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00/W/0/2,048.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/30/2009	0:00 - 6:30	6.50	MIRU	01	A	P		MOVE RIG TO LOCATION AND RIG UP
	6:30 - 7:30	1.00	DRLSUR	02	A	P		SPUD W/ AIR RIG 06:30 DRILL W/ AIR HAMMER 40'-129'. DRILL W/ AIR.
	7:30 - 12:00	4.50	DRLSUR	06	A	P		TRIP OUT OF HOLE AND LD HAMMER BIT, P/U MAGNA SONIC RANGE FINDING TOOLS.
	12:00 - 16:00	4.00	DRLSUR	02	B	P		DRILL W/ 12-1/4" HC507Z SN# 7014376. DRILL F/ 129' TO 390', WOB 10-14K RPM 60-70 MM-94 RPM
	16:00 - 16:30	0.50	MAINT	08	B	X		RIG REPAIR FIX LEAK ON MUD MANFOLD
	16:30 - 21:00	4.50	DRLSUR	02	B	P		DRILLING F/ 390' TO 760', 60 -70 RPM MM 94 RPM WT 16-18K
	21:00 - 22:00	1.00	MAINT	08	B	Z		RIG REPAIR. PUT NEW UNION ON SWIVLE.
	22:00 - 0:00	2.00	DRLSUR	02	B	P		DRILL F/ 760, TO 880' WOB 14-16 THEAD 50 RPM 94 RPM MM 1500 PSI OFF BOTTOM 1800 ON
5/31/2009	0:00 - 1:00	1.00	MAINT	08	A	Z		FIX PUMP TRUCK MUD LINE
	1:00 - 1:30	0.50	DRLSUR	02	B	P		DRILL F/ 880 TO 940' WOB 10-14K RPM 45, ON OFF PIS 1000/1300
	1:30 - 2:00	0.50	DRLSUR	03	B	P		REAM HOLE FROM 940'-910'
	2:00 - 2:30	0.50	MAINT	08	A	Z		REPLACE VAVLE STOP VAVLE ON MUD LINE
	2:30 - 11:30	9.00	DRLSUR	02	B	P		DRILL F/ 940' TO 1660' WT 15-18 K TH RPM 50 -60 MM 94 RPM ROP 80'/HR
	11:30 - 13:00	1.50	DRLSUR	06	B	P		RANGING WELL F/ 1660 BACK UP TO 1612' DRILLED 30' TO 1690 RANGING BACK UP TO 1612
	13:00 - 18:00	5.00	DRLSUR	02	B	P		DRILL F/ 1660' TO 2030' WT 15-18K 50-60 RPM MM 94 RPM PUMP PSI ROP 74' PER HOUR
	18:00 - 18:30	0.50	DRLSUR	05	F	P		CIR FLOW BACK WATER TO PIT
6/1/2009	18:30 - 22:30	4.00	DRLSUR	06	D	P		RANGING EVERY 5' FROM 2030 TO 1925' TOH (THIS NEW WELL IS 16' NORTH & 7 FEET EAST OF OLD WELL)
	22:30 - 0:00	1.50	DRLSUR	12	C	P		START RUNNING 9 5/8 36# J-55 CSG 30 JTS IN.
	0:00 - 3:00	3.00	CSG	12	C	P		RUN 46 JTS # 36 J-55 LT&C. SHOE @ 2004' GL FLOATCOLLAR @ 1960' GL
	3:00 - 3:30	0.50	RDMO	01	E	P		RIG DOWN RIG AND RELEASE RIG 03:30 A.M.
	3:30 - 4:30	1.00	CSG	12	E	P		RIG UP CEMENTERS
	4:30 - 6:30	2.00	CSG	12	E	P		PUMP PRE-FLUSH OF 130 SX OF WATER AND 20 SX OF GEL WATER. PUMP 250 SX 15.8#, 1.15 YD, 5 GAL/SK.DROP PLUG ON FLY, DISPLACE W/ 156 BBLs OF H2O, W/ 150 PSI OF LIFT. BUMP PLUG PSI 650, FLOAT HELD. NO RETURNS THROUGHT OUT JOB.
	6:30 - 8:30	2.00	CSG	12	E	P		PUMP INITIAL TOP OUT OF 100 SX (20.1 BBLs) 15.8#, 1.15 YD, 5 GAL/SK. NO CEMENT TO SURFACE
	8:30 - 9:30	1.00	CSG	12	E	P		TOP OUT #2 PUMP 200 SX OF (40.1) 15.8# 1.15 YD 5 GAL/SK. NO CEMENT TO SURFACE
6/3/2009	10:00 - 20:00	10.00	DRLPRO	01	A	P		TOP OUT #3 PUMP 150 SX OF (20.1 BBL) 15.8# 1.15 YD, 5 GAL/SX. CEMENT TO SURFACE 3 BBLs AND STAYED. RIG DOWN CEMENTERS
	20:00 - 0:00	4.00	DRLPRO	01	B	P		MOVE TO NBU 1022-9F4T WESTROCK RELEASED @ 19:00 4 BED,1 HAUL,1 PUSH,4 SWAMPERS, 1 FORKLIFT. J & C RELEASED @ 19:30 1 OPERATOR, 3 SWAMPERS.
6/4/2009	0:00 - 6:00	6.00	DRLPRO	01	B	P		RAISE DERRICK,SCOPE SUB & DERRICK,RURT RURT,100% RIGGED UP

RECEIVED October 21, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-9F4T Spud Conductor: 4/25/2009 Spud Date: 5/30/2009
 Project: UTAH-UINTAH Site: NBU 1022-9F4T Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 3/24/2009 End Date:
 Active Datum: RKB @5,218.00ft (above Mean Sea Level) UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00/W/0/2,048.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/5/2009	6:00 - 9:30	3.50	DRLPRO	08	A	P		SCHEDULED MAINTINANCE ON DERRICK
	9:30 - 13:30	4.00	DRLPRO	14	A	P		NIPPLE UP BOP,CHOKE,ETC
	13:30 - 14:30	1.00	DRLPRO	09	A	P		SLIP & CUT DRLG LINE
	14:30 - 19:00	4.50	DRLPRO	15	A	P		HELD SAFETY MEETING. RIG UP & TEST PIPE RAMS,BLIND RAMS,CHOKE & ALL FLOOR RELATED VALVE 250 PSI LOW - 5000 PSI HIGH. TEST HYDRILL 250 PSI LOW - 2500 PSI HIGH. TEST CSG 1500 PSI & HOLD 30 MINUTES. INSTALL WEAR BUSHING
	19:00 - 20:00	1.00	DRLPRO	06	A	P		HELD SAFETY MEETING. RIG UP KIMZEY.
	20:00 - 22:00	2.00	DRLPRO	21	E	Z		SHUT DOWN OPERATIONS,WAITING ON NEW BUCKET OPERATOR F/ KIMZEY CSG.
	22:00 - 0:00	2.00	DRLPRO	06	A	P		HELD SAFETY MEETING. PICK UP BHA & DP
	0:00 - 1:00	1.00	DRLPRO	06	A	P		PICK UP DP TO 1889',RIG DOWN KIMZEY
	1:00 - 2:00	1.00	DRLPRO	07	A	P		INSTALL ROTATING HEAD & DO PRESPUD RIG INSPECTION
	2:00 - 3:00	1.00	DRLPRO	02	F	P		DRILL CMT,FE & 31' OPEN HOLE TO 2048'. CMT TOP 1908',FLOAT TOP 1975', SHOE TOP 2017'. ROTARY SPUD 03:00 06/05/2009
	3:00 - 14:00	11.00	DRLPRO	02	D	P		DRILL & SLIDE 2048' - 3079' 1031' 93.7 FPH, WOB 18, RPM 45, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 88/85/86, ON/OFF PSI 1811/ 1381, DIFF 430, VIS 26,MW 8.6 (SLIDE 2195'-2205') (2290' - 2300') (2416' - 2426') (2574' - 2582')
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	14:30 - 0:00	9.50	DRLPRO	02	D	P		DRILL & SLIDE 3079' - 4076' 997' 104.9 FPH, WOB 18, RPM 45, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 107/97/101, ON/OFF PSI 1787/1490, DIFF PSI 297, VIS 26, MW 8.7 (SLIDE 2306' - 2316')
	6/6/2009	0:00 - 16:00	16.00	DRLPRO	02	D	P	
16:00 - 16:30		0.50	DRLPRO	07	A	P		RIG SERVICE
16:30 - 0:00		7.50	DRLPRO	02	D	P		DRILL 5640' - 6137' 497' 66.2 FPH, RPM 45, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 142/129/133, ON/OFF PSI 1946/1755, 191, VIS 27, MW 8.9
6/7/2009	0:00 - 15:00	15.00	DRLPRO	02	D	P		DRILL 6137' - 6905' 768' 51.2 FPH, RPM 50,MRPM 104, SPM 125,GPM 473, PU/SO/ROT 153/140/148, ON/OFF PSI 2155 / 2022, DIFF PSI 133, VIS 32, MW 9.7
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL 6905' - 7358' 453' 53.2 FPH, RPM 50, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 160/149/153, ON/OFF PSI 2660/2365, VIS 33, MW 10.6
6/8/2009	0:00 - 14:00	14.00	DRLPRO	02	D	P		DRILL 7358' - 8138' 780' 55.7 FPH, RPM 50, MRPM 100, SPM 120, GPM 454, PU/SO/ROT 170/145/158, ON/OFF PSI 2747/2514, DIFF PSI 233, VIS 35, MW 11.5
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	14:30 - 0:00	9.50	DRLPRO	02	D	P		DRILL 8138' - 8620' 482' 50.7 FPH, RPM 50, MRPM 100, SPM 120, GPM 454, PU/SO/ROT 185/150/170, ON/OFF PSI 2850/2600, DIFF PSI 250, VIS 40, MW 12.0
6/9/2009	0:00 - 0:30	0.50	DRLPRO	02	D	P		DRILL 8620' - 8642' 22', 44.0 FPH

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-9F4T Spud Conductor: 4/25/2009 Spud Date: 5/30/2009
 Project: UTAH-UINTAH Site: NBU 1022-9F4T Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 3/24/2009 End Date:
 Active Datum: RKB @5,218.00ft (above Mean Sea Level) UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00/W/0/2,048.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	0:30 - 1:30	1.00	DRLPRO	08	B	Z		ATTEMP TO REPLACE LEAKING VIBRATOR LINE.PLUG DISCHARGE.
	1:30 - 3:00	1.50	DRLPRO	02	D	P		DRILL 8642' - 8707' 65', 43.4 FPH
	3:00 - 3:30	0.50	DRLPRO	08	B	Z		CHANGE OUT SWAB
	3:30 - 8:00	4.50	DRLPRO	02	D	P		DRILL 8707' - 8900' 193', 42.8 FPH, RPM 55, MRP 96, SPM 115, GPM 435, PU/SO/ROT 175/150/165, ON/OFF PSI 2830/2503, DIFF PSI 327, VIS 38, MW 12.3
	8:00 - 9:30	1.50	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
	9:30 - 15:00	5.50	DRLPRO	06	E	P		SHORT TRIP TO 3200'
	15:00 - 16:30	1.50	DRLPRO	05	C	P		CIRC TO LDDS.HELD SAFETY MEETING W/ KIMZEY CSG & RIG UP EQUIPMENT
	16:30 - 0:00	7.50	DRLPRO	06	A	P		LDDS,DIRECTIONAL TOOLS & BRK DOWN KELLY,PULL WEAR BUSHING & RIG DOWN KIMZEY
6/10/2009	0:00 - 12:30	12.50	DRLPRO	11	G	P		HELD SAFETY MEETING. RIG UP BAKER & RUN TRIPLE COMBO & GR TO 6290' BRIDGED OFF. DID NOT RUN DEPTH FINDER TOOL AS REQUESTED. TOOH HOLE W/ LOGGS & INSTALL DEPTH FINDER & TIH W/ LOGS,TIGHT @ 6300 BUT FELL THRU. RUN TRIPLE COMBO F/ 8894', R/D LOGGERS
	12:30 - 19:30	7.00	DRLPRO	12	C	P		HPJSM W/ RIG & CASING CREWS - R/U & RUN 8871' 4 1/2" PROD CASING, R/D CASING CREW C&C HOLE TO CEMENT
	19:30 - 22:30	3.00	DRLPRO	05	A	P		HPJSM W/ RIG & CEMENT CREWS, PSI TEST LINES TO 4000#, PUMP 40 BBLS FRESH WATER SPACER, LEAD 619 SXS 12.4 PPG 2.03 YLD 223.65 BBL SLURRY, TAIL 1100 SXS 14.3 PPG 1.31 YLD 256.56 BBL SLURRY, DROP PLUG & DISPLACE W/ 137 BBLS CLAYTREAT WATER, BUMPED PLUG @ 3300 PSI (500 OVER DIFF PSI OF 2680), FULL RETURNS THROUGH OUT JOB W/ 20 BBLS CEMENT TO PITS, 1.5 BBLS BACK TO TRUCK
	22:30 - 0:00	1.50	DRLPRO	12	E	P		FINISH CEMENTING PROD CASING
6/11/2009	0:00 - 1:00	1.00	DRLPRO	12	E	P		N/D BOP, CLEAN PITS RELEASE RIG TO NBU 1022-4AT @ 05:00 6/11/09
	1:00 - 5:00	4.00	DRLPRO	14	A	P		

RECEIVED October 21, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-9F4T		Spud Conductor: 4/25/2009		Spud Date: 5/30/2009	
Project: UTAH-UINTAH			Site: NBU 1022-9F4T		Rig Name No: MILES-GRAY 1/1
Event: COMPLETION			Start Date: 10/12/2009		End Date: 10/16/2009
Active Datum: RKB @5,218.00ft (above Mean Sea Level)			UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00/W/0/2,048.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/12/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #1, DAY 1,
	7:15 - 9:00	1.75	COMP	30	A	P		MIRU SERVICE UNIT, N/D WH, N/U BOPS AND TBG EQUIP,
	9:00 - 12:00	3.00	COMP	31	I	P		P/U 3 7/8" MILL TIH W/ 2 3/8" TBG OFF TRAILER TALLY TBG IN HOLE, RIH TAG FLOAT COLLER @ 8803',
	12:00 - 14:00	2.00	COMP	44	D	P		R/U POWER SWIVEL, ESTB CIRC DN CSG OUT TBG DRILL OUT FLOAT COLLER AND CEMENT FROM 8803' TO 8842', CIRC WELL CLEAN W/ TMAX WTR, R/D POWER SWIVEL,
	14:00 - 17:30	3.50	COMP	31	I	P		TOOH W/ 2 3/8" TBG, N/D BOPS, N/U FRAC VALVE, SDFN,
10/13/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #2, DAY 2
	7:15 - 9:00	1.75	COMP	33	C	P		R/U B&C QUICK TEST, PRESSURE TEST CSG AND FRAC VALVE TO 7000# OK,
	9:00 - 15:00	6.00	COMP	37	B	P		(STG #1) R/U CASD HOLE SOLUTION WIRELINE, RIH W/ PERF GUNS, PERF THE MESA VERDE @ 8810'-8812', 8794'-8796', 8756'-8758', 8716'-8718', 8675'-8677', 8649'-8650', USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE 90* PHS, 4-SPF, 44 HOLES, ONE MISS RUN, N/U FRAC TECH FRAC HEAD ONTOP OF FRAC VALVE, SHUT WELL IN SDFN,
10/14/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #3 DAY 3,
	7:15 - 7:30	0.25	COMP	33	D	P		FRAC TECH PRESSURE TESTED SURFACE LINES TO 8000#,

RECEIVED October 21, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-9F4T Spud Conductor: 4/25/2009 Spud Date: 5/30/2009
 Project: UTAH-UINTAH Site: NBU 1022-9F4T Rig Name No: MILES-GRAY 1/1
 Event: COMPLETION Start Date: 10/12/2009 End Date: 10/16/2009
 Active Datum: RKB @5,218.00ft (above Mean Sea Level) UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00/W/0/2,048.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 19:00	11.50	COMP	36	E	P		<p>(STG #1) WHP = 1550#, BRK DN PERF @ 2798# @ 4 B/M, INJ-RT = 50.5 B/M, INJ-P 4288#, ISIP = 2055#, F.G. = 0.67, PUMP 3 BBLS 15 % HCL AHEAD OF INJ, CALC ALL PERF OPEN, PUMP 1567 BBLS SLK WTR & 56764 # OTTAWA SAND, ISIP = 2529#, F.G.=0.72, NPI = 474, MP = 6356#, MR = 52.5 B/M, AP = 4275#, AR = 51.5 B/M, 51764# OTTAWA SAND, 5000# TLC SAND, GALS CLAYTREAT, GALS FRW, GALS NALCO SCALE INHIB, GALS NALCO BIOCID,</p> <p>(STG #2)RIH W HALLIBURTON 8K CBP & PERF GUNS, MISS FIRE ON CBP , POOH SLOW, SETTING TOOL WET, RIH W/ HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 8611', PERF THE MESAVERDE @ 8578'- 8581', 8536'- 8538', 8491'- 8493', 8462'- 8464', 8426' - 8428', 4-SPF. USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 120* PHS, 44 HOLES, WHP = 750 # BRK DN PERF @ 3047 # @ 4 B/M, INJ-RT = 51.1 B/M, INJ-P = 4720 #, ISIP = 2160 #, F.G.= 0.69 , CALC 91% PERF OPEN, PUMP 2324 BBL SLK WTR & 92803 # OTTAWA SAND, ISIP = 2394 #, F.G.= 0.71 , NPI = 234 , MP = 6065 #, MR = 53 B/M, AP = 3998 #, AR = 50.7 B/M, 87803 # 30/50 OTTAWA SAND, 5000 # TLC SAND, GALS CLAYTREAT, GALS FRW, GALS NALCO SCALE INHIB, GALS NALCO BIOCID, COMMENTS: DN @ 3 HOURS, PULLED CBP OUT SLOW,</p> <p>(STG #3) RIH W/ HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 8392', PERF THE MESAVERDE @ 8360' - 8362', 8336'- 8338', 8292'- 8293', 8224'- 8228', 8188'- 8190', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 120* PHS, 44 HOLES, WHP= 1525 #, BRK DN PERF @ 2851 # @ 5 B/M, INJ-RT = 48 B/M, INJ-P = 3800 #, ISIP = 1812 #, F.G.= 0.65 , CALC ALL PERF OPEN, PUMP 2670 BBL SLK WTR & 106059 # OTTAWA SAND, ISIP = 2584 #, F.G.= 0.75 , NPI = 772 , MP = 6665 #, MR = 50.5 B/M, AP = 4277 #, AR = 49 B/M, 101059 # 30/50 OTTAWA SAND, 5000 # TLC SAND, 214 GALS CLAYTREAT, 67 GALS FRW, 217 GALS NALCO SCALE INHIB. 66 GALS NALCO BIOCID, COMMENTS: MISS RUN ON THE TOP 2 ZONE'S, PUMP TROUBLE, SCREEN OFF ON THE FLUSH W/ 40 BBL LEFT ON FLUSH, FLOWED WELL BACK FOR 15 MIN, CLEAN UP, PUMP FLUSH @ 20 B/M, PUMP 152 BBLS, DN @ 3 HOURS</p> <p>(STG #4) RIH W HALLIBURTON 8K CBP & PERF GUNS, SET CBP @ 8163', PERF THE MESAVERDE @ 8131'- 8133', 8107'- 8109', 8046'- 8052', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE 120* PHS, 40 HOLES, SWI S JSA-SAFETY MEETING #4, DAY 4</p>
10/15/2009	7:00 - 7:15	0.25	COMP	48		P		

RECEIVED October 21, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-9F4T	Spud Conductor: 4/25/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 1022-9F4T	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 10/12/2009	End Date: 10/16/2009
Active Datum: RKB @5,218.00ft (above Mean Sea Level)	UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00/W/0/2,048.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								<p>PERF GUNS, SET CBP @ 7335', PERF THE MESAVERDE @ 7302'- 7305', 7285'- 7287', 7206'- 7209', 7185'- 7187', 4-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 120* PHS, 40 HOLES, WHP = 605 #</p> <p>BRK DN PERF @ 2667 # @ 5 B/M, INJ-RT = 52.2 B/M, INJ-P = 4080 #, ISIP = 1270 #, F.G.= 0.61 , CALC 75% PERF OPEN, PUMP 1352 BBLS SLK WTR & 55441 # OTTAWA SAND, ISIP = 2246 #, F.G.= 0.74 , NPI = 976 , MP = 4104 #, MR = 52.9 B/M, AP = 3662 #, AR = 52.8 B/M, 50441 # 30/50 OTTAWA SD, 5000 # TLC SD, 107 GALS CLAYTREAT, 44 GALS FRW, 58 GALS NALCO SCALE INHIB, 44 GALS NALCO BIOCID,</p> <p>(KILL PLUG) RIH W/ HALLIBURTON 8K CBP, SET CBP @ 7135', POOH, R/D WIRELINE AND FRAC CREW,</p> <p>TOTAL FLUID = 12565 BBLS WTR TOTAL SAND = 497487#, TOTAL CLAYTREAT = 1055 GALS TOTAL FRW = 288 GALS TOTAL NALCO SCALE INHIB. =1051 GALS TOTAL NALCO BIOCID = 289 GALS JSA-SAFETY MEETING #5, DAY 5</p>
10/16/2009	7:00 - 7:15	0.25	COMP	48		P		
	7:15 - 9:30	2.25	COMP	31	I	P		<p>P/U 3 7/8" MILL W/ POBS, TIH W/2 3/8" J-55 TBG, TAG CBP @ 7135', R/U POWER SWIVEL, ESTB. CIRC DN TBG OUT CSG,</p>

RECEIVED October 21, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-9F4T Spud Conductor: 4/25/2009 Spud Date: 5/30/2009
 Project: UTAH-UINTAH Site: NBU 1022-9F4T Rig Name No: MILES-GRAY 1/1
 Event: COMPLETION Start Date: 10/12/2009 End Date: 10/16/2009
 Active Datum: RKB @5,218.00ft (above Mean Sea Level) UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00/W/0/2,048.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:30 - 17:30	8.00	COMP	44	C	P		<p>(DRLG CBP #1) 7135', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 0# DIFF, RIH TAG @ 7300', C/O 35' SAND, FCP = 0#,</p> <p>(DRLG CBP #2) 7335', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 50# DIFF, RIH TAG 7530', C/O 40' SAND, FCP = 50#,</p> <p>(DRLG CBP #3) 7570', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 50 # DIFF, RIH TAG 7746', C/O 30' SAND, FCP = 100#,</p> <p>(DRLG CBP #4) 7776', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 100 # DIFF, RIH TAG 7919', C/O 40' SAND, FCP = 200 #</p> <p>(DRILL CBP #5) 7959', DRILL OUT HALLIBURTON 8K CBP IN 20 MIN, 100 # DIFF, RIH TAG 8133', C/O 30' SAND, FCP = 300 #,</p> <p>(DRILL CBP #6) 8163', DRILL OUT HALLIBURTO 8K CBP IN 20 MIN, 100# DIFF, RIH TAG @ 8342', C/O 50' SAND, FCP = 400 #,</p> <p>(DRLG CBP #7) 8392', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 100# DIFF, RIH TAG @ 8580', C/O 31' SAND, FCP = 500#,</p> <p>(DRLG CBP #8) 8611', DRILL OUT HALLIBURTON 8K CBP IN 20 MIN, 25 # DIFF, RIH TAG FILL @ 8772' C/O 64' SAND TO PBTD @ 8836', FCP = 525 #,</p> <p>CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN 14 JTS ON TRAILER, LAND TBG W/ HANGER W/ 266 JTS 2 3/8" J-55 TBG, EOT @ 8404.80', R/D FLOOR & TBG EQUIO, N/D BOPS, DROP BALL DN TBG, N/U WH, PUMP DN TBG W/ PUMPING OFF BIT SUB @ 2800 #, WAIT 30 MIN FOR BIT TO FALL TO BTTM, OPEN WELL TO FBT ON 20/64 CHOKE, FTP = 1550 #, SICP = 2450 #, TURN WELL OVER TO FBC @ PM., 10,331 BBLs WTR LTR, AVG 20 MIN / PLUG W/ @ 35' SAND EACH.</p> <p>284 JTS DELV, 266 JTS LANDED 17 JTS RETURNED 1 JT BAD</p> <p>KB = 18.00' HANGER = .83' 266 JTS 2 3/8" J-55 TBG = 8383.77' XN- NIPPLE POBS = 2.20'</p> <hr/> <p>EOT = 8404.80'</p>

RECEIVED October 21, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-9F4T	Spud Conductor: 4/25/2009	Spud Date: 5/30/2009
Project: UTAH-UINTAH	Site: NBU 1022-9F4T	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 10/12/2009	End Date: 10/16/2009
Active Datum: RKB @5,218.00ft (above Mean Sea Level)	UWI: SE/NW/0/10/S/22/E/9/0/0/6/PM/N/2,086.00W/0/2,048.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/17/2009	7:00 -			33	A			R/D SERVICE UNIT MOVE OFF LOC. 7 AM FLBK REPORT: CP 2200#, TP 2200#, 20/64" CK, 70 BWPH, HEAVY SAND, - GAS TTL BBLs RECOVERED: 4034 BBLs LEFT TO RECOVER: 9191
10/18/2009	9:00 -		PROD	50				WELL TURNED TO SALE @ 0900 ON 10/18/09 - FPT 2550#, CP 3700#, 1975 MCFD, 55 BWPD, 20/64 CK
	7:00 -			33	A			7 AM FLBK REPORT: CP 3500#, TP 2450#, 20/64" CK, 55 BWPH, HEAVY SAND, - GAS TTL BBLs RECOVERED: 5539 BBLs LEFT TO RECOVER: 7686
10/19/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3550#, TP 2500#, 20/64" CK, 40 BWPH, MEDIUM SAND, 2.5 GAS TTL BBLs RECOVERED: 6754 BBLs LEFT TO RECOVER: 6471

RECEIVED October 21, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01196-B
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 1022-9F4T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399960000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2086 FNL 2048 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 09 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: 3/8/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input checked="" 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 request approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedures for the proposed repair work for the subject well location.

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

Date: 03/09/2011
By: *Derek Quist*

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 3/8/2011

WORKORDER #: 88120970

3/2/11

Name: NBU 1022-9F4T - Single Well
Surface Location: SENW SEC.9, T10S, R22E
Uintah County, UT

API: 4304739996 **LEASE#:** UTU 01196B

ELEVATIONS: 5218' GL 5236' KB

TOTAL DEPTH: 8882' **PBTD:** 8803'

SURFACE CASING: 9 5/8", 36# J-55 @ 2004'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8848'
TOC @ ~1997' per CBL

PERFORATIONS: Mesaverde 7185' - 8812'

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	0.02173	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.01554
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01006

GEOLOGICAL MARKERS, TOPS:

1178' Green River
1969' Mahogany
4348' Wasatch
6880' Mesaverde

NBU 1022-9F4T – WELLHEAD REPLACEMENT PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2” surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100’ from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8” pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~7135’. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60’ above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshoot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOOH.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~7085'. Clean out to PBSD (8803').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshoot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with butress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~7085'. Clean out to PBTD (8803').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.



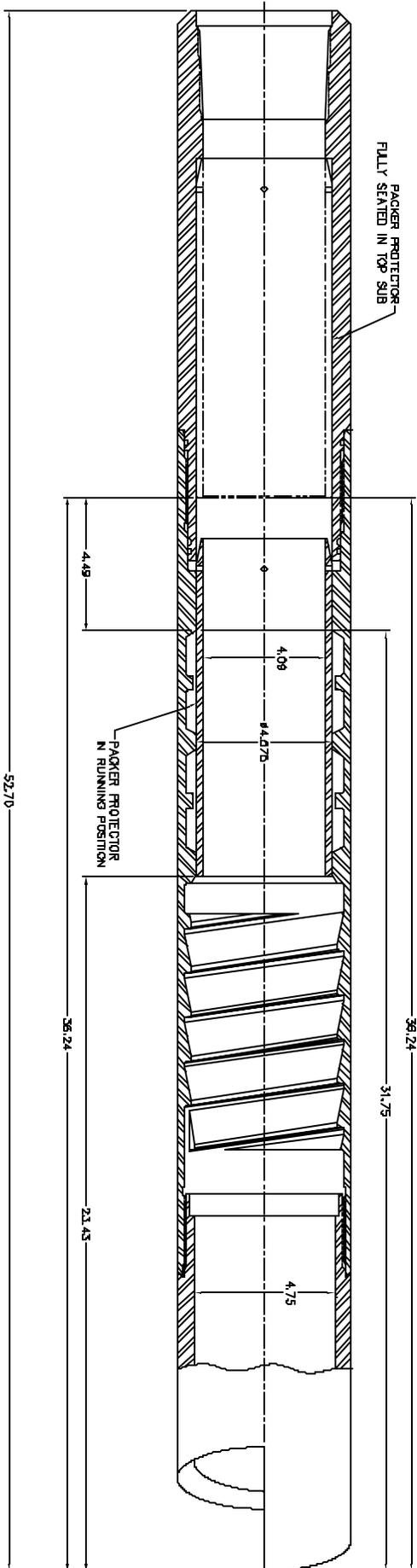
Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

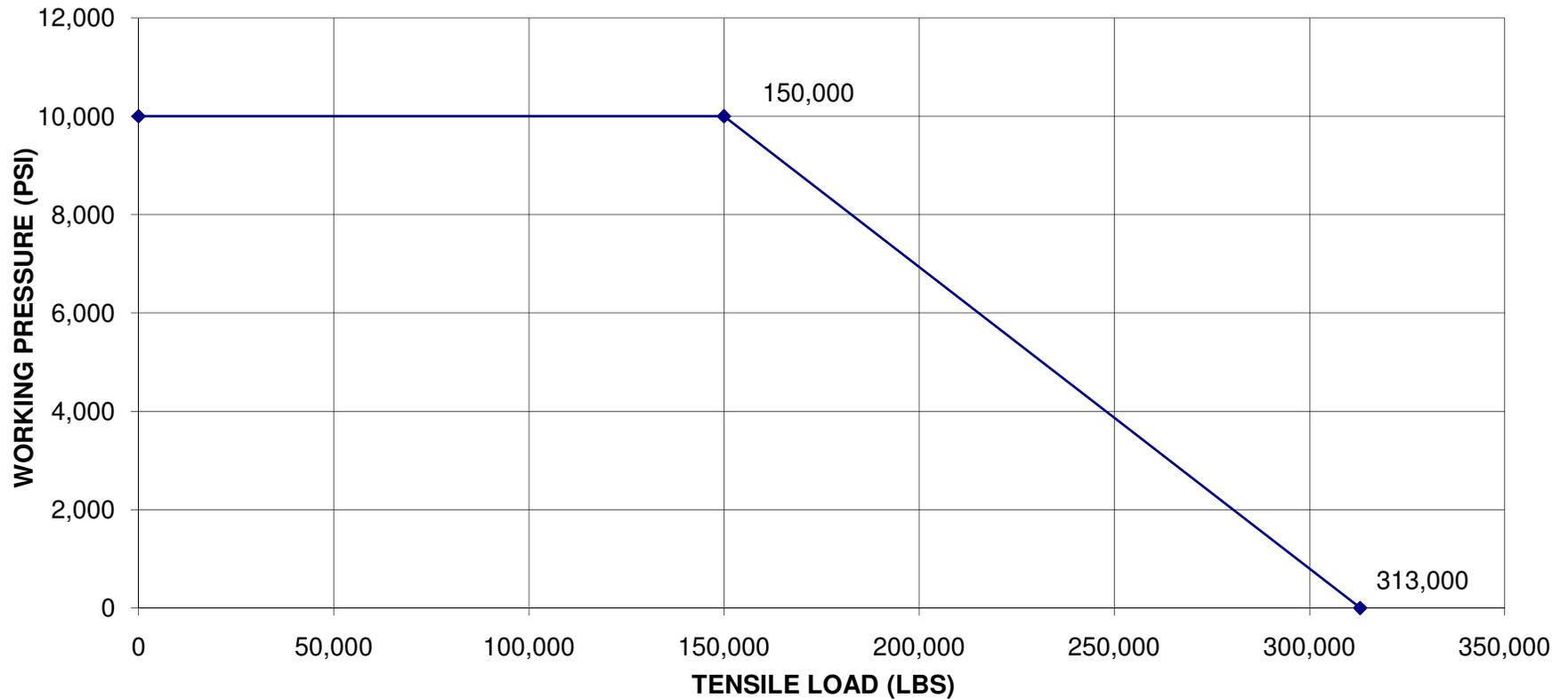
1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector 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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01196-B
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 1022-9F4T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399960000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2086 FNL 2048 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 09 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

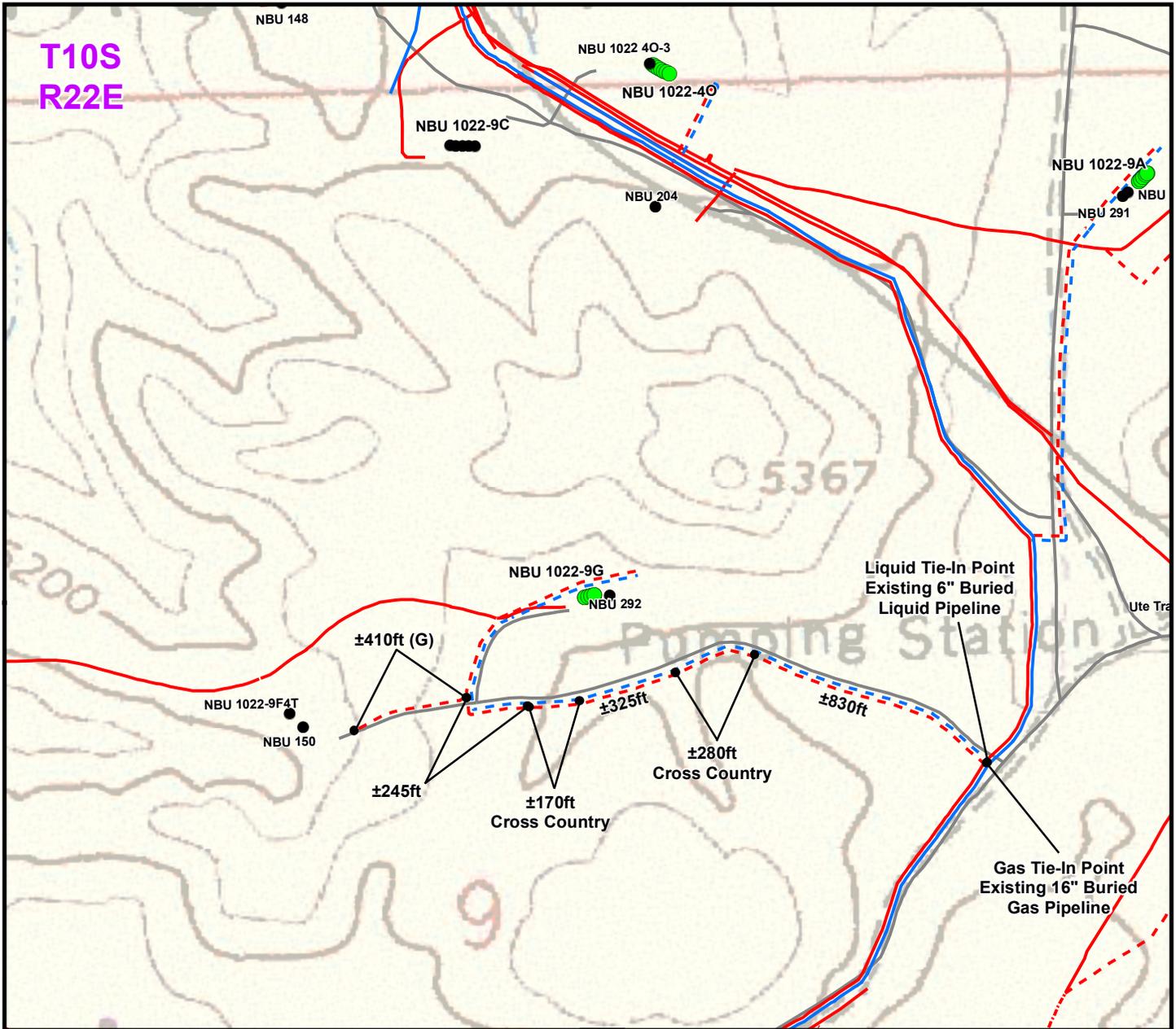
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/4/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input 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 checked="" type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

KMG requests authorization to remove existing surface pipe and replace with 410' of new burried 4" pipe from the NBU 1022-9F4T well. This new pipe will tie in to the development of the NBU 1022-9G pad then into existing lines as listed below: ±410'(0.08 miles) – Section 9 T10S R22E (SE/4 NW/4) – On-lease UTU01196-B, BLM surface, New 4" buried gas gathering pipeline. ±1850' (.35 miles) – Section 9 T10S R22E (SE/4 NW/4) – On-lease UTU01196-B, BLM surface, New 8" buried gas gathering pipeline from the NBU 1022-9G pad intersection to an existing 16' gas pipeline. Please refer to Topo D & D2. Authorization is also requested for: ±1850' (.35 miles) – Section 9 T10S R22E (SE/4 NW/4) – On-lease UTU01196-B, BLM surface, New 6" buried liquid gathering pipeline from the NBU 1022-9G pad intersection to an existing liquid pipeline. Please refer to Topo D & D2. This is a courtesy copy for NBU.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 March 11, 2014**

NAME (PLEASE PRINT) Joel Malefyt	PHONE NUMBER 720 929-6828	TITLE Regualtory Analyst
SIGNATURE N/A	DATE 3/3/2014	



Proposed Liquid Pipeline	Length
Buried 6" (Max.) (NBU 1022-9G Intersection to Existing 6" Liquid Pipeline)	±1,850ft
TOTAL PROPOSED BURIED LIQUID PIPELINE =	±1,850ft

Proposed Gas Pipeline	Length
Buried 4" (NBU 1022-9F4T to NBU 1022-9G Intersection)	±410ft
Buried 8" (NBU 1022-9G Intersection to Existing 16" Gas Pipeline)	±1,850ft
TOTAL PROPOSED BURIED GAS PIPELINE =	±2,260ft

Legend

- Well - Proposed ■ Well Pad - Proposed - - - Gas Pipeline - Proposed - - - Liquid Pipeline - Proposed - - - Road - Proposed Bureau of Land Management
- Well - Existing ■ Well Pad - Existing - - - Gas Pipeline - To Be Upgraded - - - Liquid Pipeline - Existing - - - Road - Existing Indian Reservation
- - - Gas Pipeline - Existing State
- State
- Private

WELL PAD - NBU 1022-9F4T

**TOPO D2 (PAD & PIPELINE DETAIL)
PROPOSED PIPELINE SUNDRY
LOCATED IN SECTION 9, T10S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH**

**Kerr-McGee Oil &
Gas Onshore L.P.**

**1099 18th Street
Denver, Colorado 80202**



CONSULTING, LLC
2155 North Main Street
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE: 1" = 500ft

NAD83 USP Central

SHEET NO:

DRAWN: TL

DATE: 26 Feb 2014

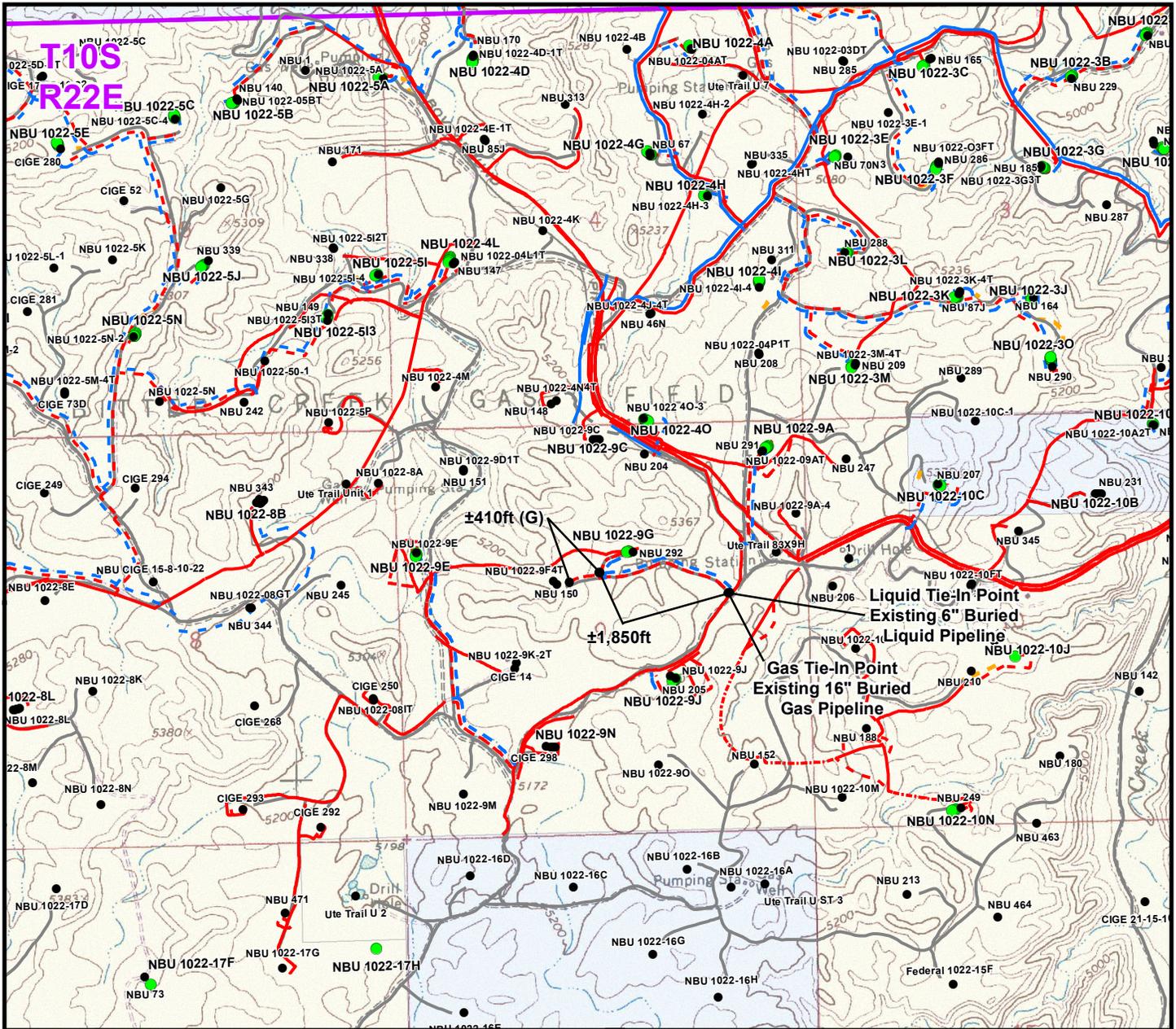
1

REVISED:

DATE:

1 OF 1

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Proposed Liquid Pipeline	Length	Proposed Gas Pipeline	Length
Buried 6" (Max.) (NBU 1022-9G Intersection to Existing 6" Liquid Pipeline)	±1,850ft	Buried 4" (NBU 1022-9F4T to NBU 1022-9G Intersection)	±410ft
		Buried 8" (NBU 1022-9G Intersection to Existing 16" Gas Pipeline)	±1,850ft
TOTAL PROPOSED BURIED LIQUID PIPELINE =	±1,850ft	TOTAL PROPOSED BURIED GAS PIPELINE =	±2,260ft

Legend

- Well - Proposed - - - Gas Pipeline - Proposed - - - Liquid Pipeline - Proposed - - - Road - Proposed Bureau of Land Management State
- Well - Existing - - - Gas Pipeline - To Be Upgraded - - - Liquid Pipeline - Existing - - - Road - Existing Indian Reservation Private
- Well Pad - - - Gas Pipeline - Existing

WELL PAD - NBU 1022-9F4T

**TOPO D
PROPOSED PIPELINE SUNDRY
LOCATED IN SECTION 9, T10S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH**

**Kerr-McGee Oil &
Gas Onshore L.P.**

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Sheridan, Wyoming 82801
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Fax 307-674-0182

SCALE: 1" = 2,000ft	NAD83 USP Central	SHEET NO: 1 1 OF 1
DRAWN: TL	DATE: 22 July 2013	
REVISED: TL	DATE: 26 Feb 2014	

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