



Kerr McGee Oil and Gas Onshore LP
1368 SOUTH 1200 EAST • VERNAL, UT 84078
435-789-4433 • FAX 435-781-7094

July 31, 2007

Diana Whitney
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling R649-3-11
NBU 1022-13M2AS 1595'FSL, 1329'FWL (Surface)
1315'FSL, 600'FWL (Bottomhole)
Uintah County, Utah

Dear Ms. Whitney:

Pursuant to filling of Kerr McGee Oil & Gas Onshore L.P. Application for Permit to Drill regarding the above referenced well on July 31, 2007, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to location and siting of wells.

- NBU 1022-13M2AS is located within the Natural Buttes Unit Area.
- Kerr McGee Oil & Gas Onshore L.P., is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr McGee Oil & Gas Onshore L.P., will be able to utilize the existing road and pipeline in the area.
- Furthermore, Kerr McGee Oil & Gas Onshore L.P. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

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

Sincerely,


Sheila Upchego
Senior Land Admin Specialist

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AUG 06 2007
DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: STUO-08512-ST	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: UNIT #891008900A	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE L.P.				9. WELL NAME and NUMBER: NBU 1022-13M2AS	
3. ADDRESS OF OPERATOR: 1368 S 1200 E			CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1595'FSL, 1329'FWL AT PROPOSED PRODUCING ZONE: 1315'FSL, 600'FWL				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 27.7 MILES SOUTH OF OURAY, UTAH				12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1329		16. NUMBER OF ACRES IN LEASE: 600.00		17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C		19. PROPOSED DEPTH: 8,220		20. BOND DESCRIPTION: REB0005287 22013542	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5278'GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION:	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	32.3#	H-40	2,100	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	11.6#	I-80	8,220	1330 SX 50/50 POZ	1.31 YIELD	14.3 PPG

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) **SHEILA UPCHEGO** TITLE **SENIOR LAND ADMIN SPECIALIST**

SIGNATURE  DATE **7/31/2007**

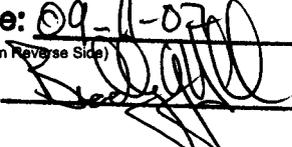
(This space for State use only)

API NUMBER ASSIGNED: **43-047-34483**

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

APPROVAL:

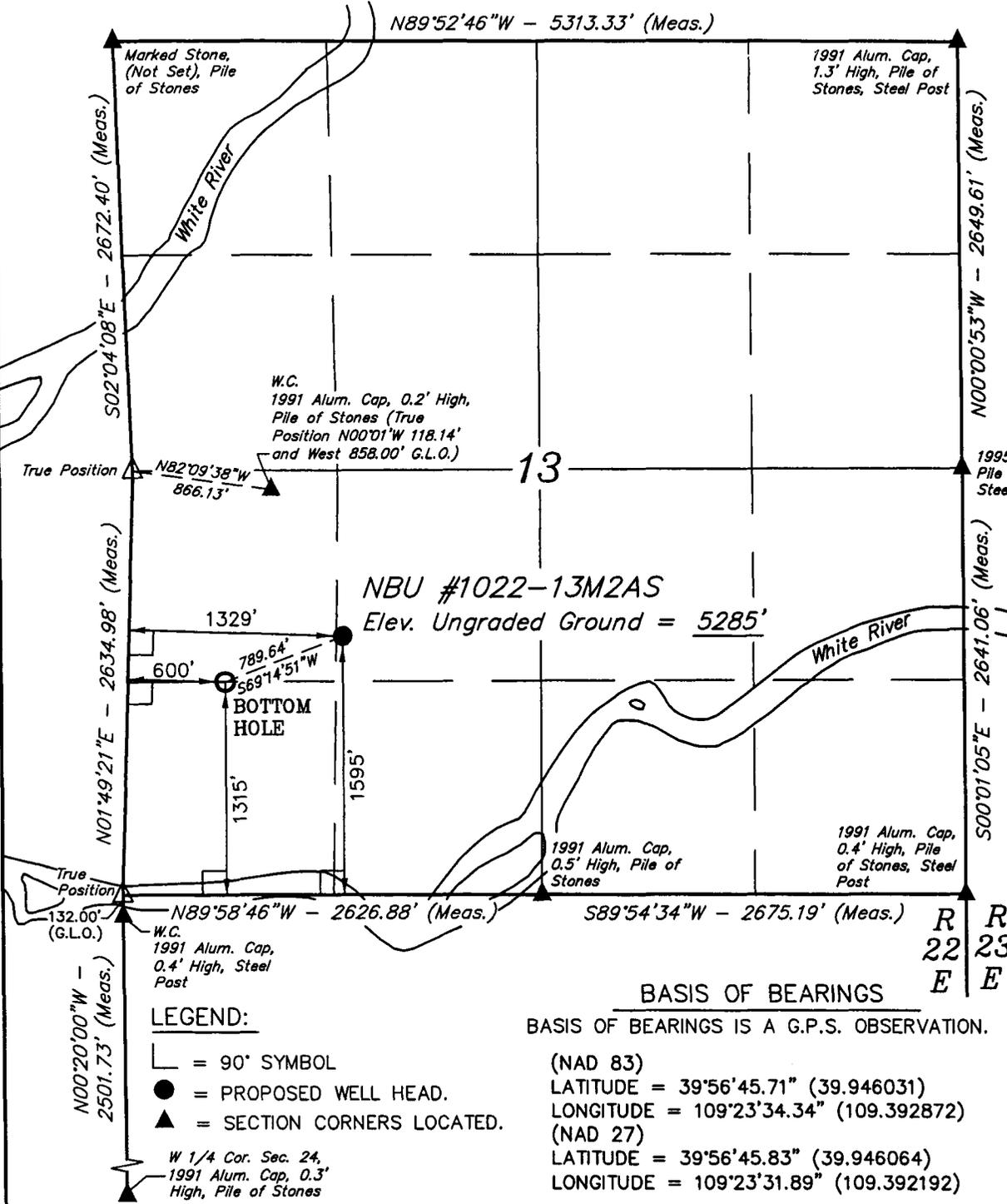
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DIV. OF OIL, GAS & MINING**

Date: **09-11-07**
By: 

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

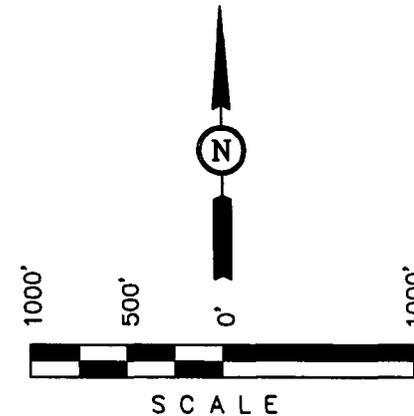
Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-13M2AS, located as shown in the NE 1/4 SW 1/4 of Section 13, T10S, R22E, S.L.B.&M. Uintah County, Utah.



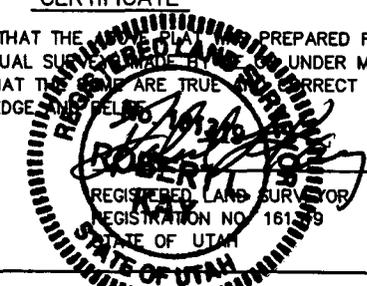
BASIS OF ELEVATION

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.



CERTIFICATE

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



BASIS OF BEARINGS

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

(NAD 83)
 LATITUDE = 39°56'45.71" (39.946031)
 LONGITUDE = 109°23'34.34" (109.392872)
 (NAD 27)
 LATITUDE = 39°56'45.83" (39.946064)
 LONGITUDE = 109°23'31.89" (109.392192)

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

SCALE 1" = 1000'	DATE SURVEYED: 5-17-07	DATE DRAWN: 6-13-07
PARTY D.K. L.K. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 1022-13M2AS
NE/SW SEC. 13, T10S, R22E
UINTAH COUNTY, UTAH
UTSTUO-08512-ST**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	953'
Top of Birds Nest Water	1283'
Mahogany	1631'
Wasatch	4008'
Mesaverde	6241'
MVU2	7101'
MVL1	7663'
TD	8220'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	953'
	Top of Birds Nest Water	1283'
	Mahogany	1631'
Gas	Wasatch	4008'
Gas	Mesaverde	6241'
Gas	MVU2	7101'
Gas	MVL1	7663'
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.

The operator will use fresh water mud with 0-8% Bio Diesel.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8220' TD, approximately equals 5096 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3288 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variances:**

Please refer to the attached Drilling Program.

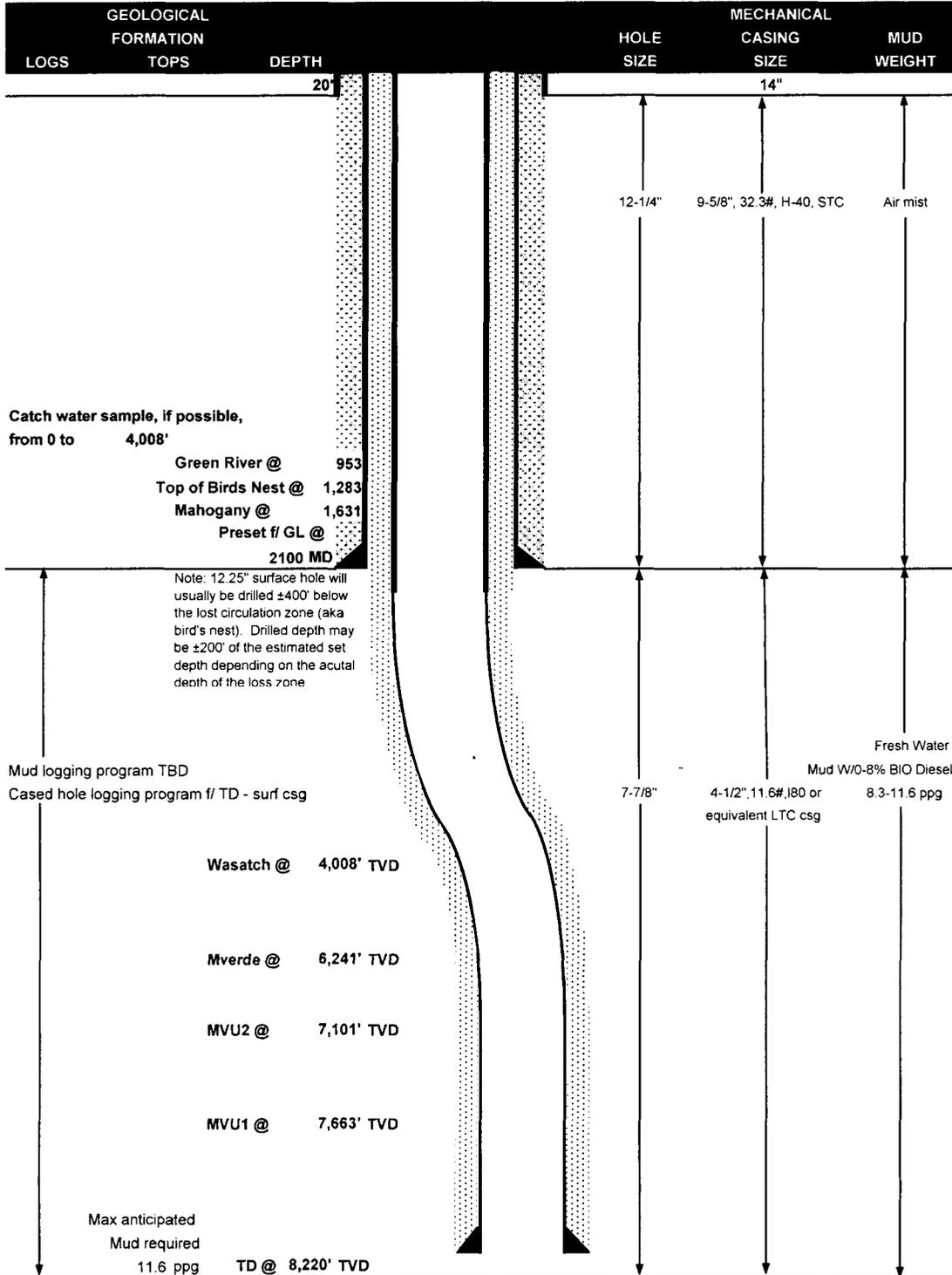
10. **Other Information:**

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE July 31, 2007
 WELL NAME NBU 1022-13M2AS TD 8,220' TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,287' GL KB 5,302'
 SURFACE LOCATION NE/SW SEC. 13, T10S, R21E 1595'FSL, 1329'FWL
Latitude: 39.946031 Longitude: 109.392872
 BTM HOLE LOCATION NW/SW/SW SEC. 13, T10S, R22E 1315'FSL, 600'FWL
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: UDOGM (MINERALS AND SURFACE), BLM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2100	32.30	H-40	STC	0.72*****	1.39	4.28
PRODUCTION	4-1/2"	0 to 8220	11.60	I-80	LTC	2.47	1.28	2.42

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 0.0 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
 MASP 3150 psi

***** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl. + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite + 25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	5,740'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	630	60%	11.00	3.38
	TAIL	2,480'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	700	60%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

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

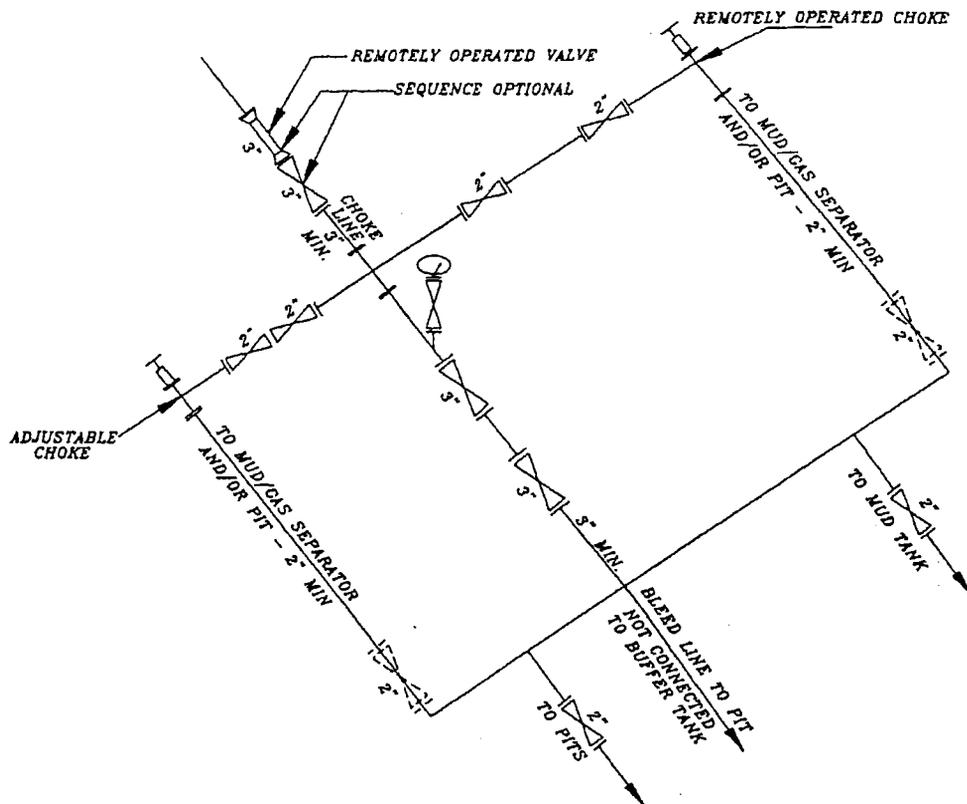
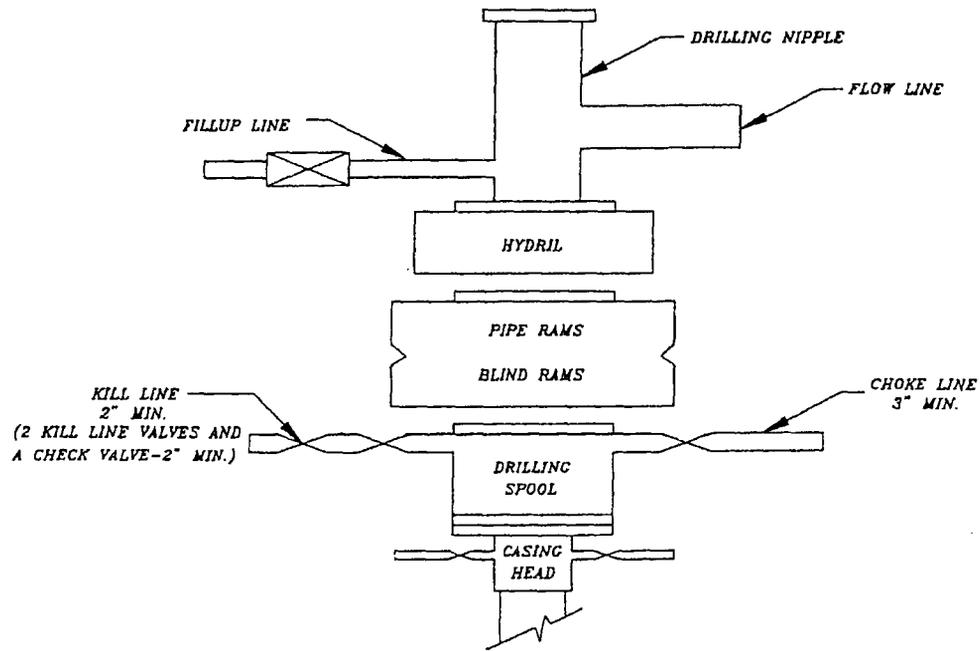
ADDITIONAL INFORMATION

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

DRILLING ENGINEER: _____
 Brad Laney
 DRILLING SUPERINTENDENT: _____
 Randy Bayne NBU1022-13M2AS DHD

DATE: _____
 DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
#1022-13D4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S, #1022-
13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S, #1022-13M2AS,
#1022-13N2S, #1022-13N1S, #1022-13M2CS & #1022-13M1S

SECTION 13, 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 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.7 MILES.

**NBU 1022-13M2AS
NE/SW SEC. 13, T10S, R22E
Uintah County, UT
UTSTUO-08512-ST**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

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

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 operator will utilize an existing access road. Refer to Topo Map B for the location of the existing access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

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 required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

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

A 30' rights of way will be required for approximately 12,184' +/- of 6" steel pipeline is proposed. The pipeline shall run from the location into Section 18, T10S, R23E (Lease #UTU-38421) and travel north into Sec. 7, T10S, R23E (Lease #UTU-49226) to tie-in to an existing pipeline. Refer to the attached Topo Map D for pipeline placement.

A 30' rights of way will be required for approximately 12,184' +/- of 10" steel pipeline is proposed. The pipeline shall run from the location into Section 18, T10S, R23E (Lease #UTU-38421) and travel north into Sec. 7, T10S, R23E (Lease #UTU-49226) to tie-in to an existing pipeline. Refer to the attached Topo Map D for pipeline placement.

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.

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.

Due to difficult topography and proximity to the White River, the reserve pit will be constructed utilizing a double liner and felt. The liner will be approximately 60 mil in thickness versus our standard 20 mil and the reserve pit will also have a leak detection system installed between the liners.

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.

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.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

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.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

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.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

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, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

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:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

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.

A Class III archaeological survey will be submitted when report becomes available.

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.

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

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

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

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

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

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

7/31/2007
Date



Weatherford™

Drilling Services

Proposal



ANADARKO - KERR McGEE

NBU#1022-13M2AS

UINTAH COUNTY, UTAH

WELL FILE: PLAN1

DATE: JULY 05, 2007

Weatherford International, Ltd.

15710 John F. Kennedy Blvd

Houston, Texas 77032 USA

+1.281.260.1300 Main

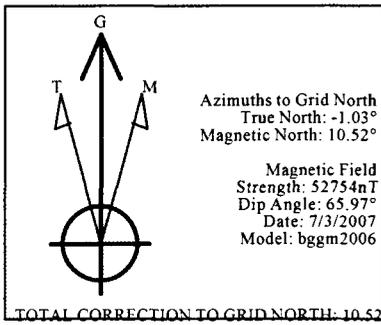
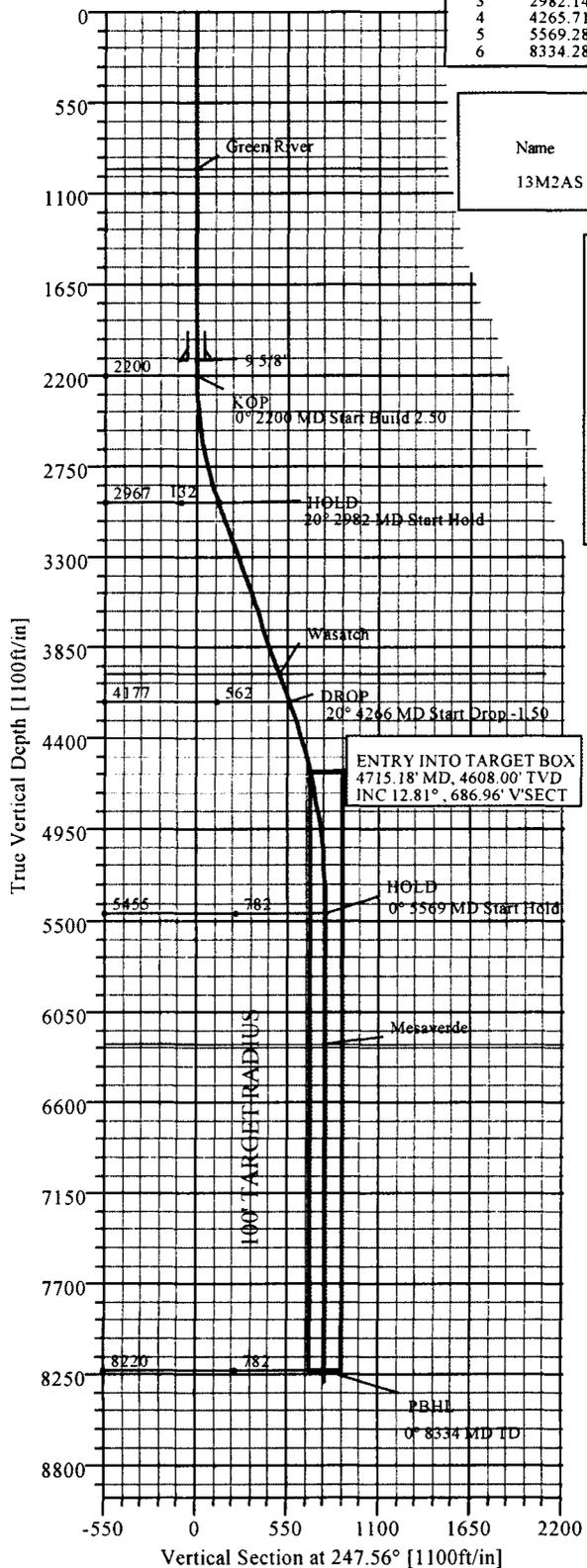
+1.281.260.4730 Fax

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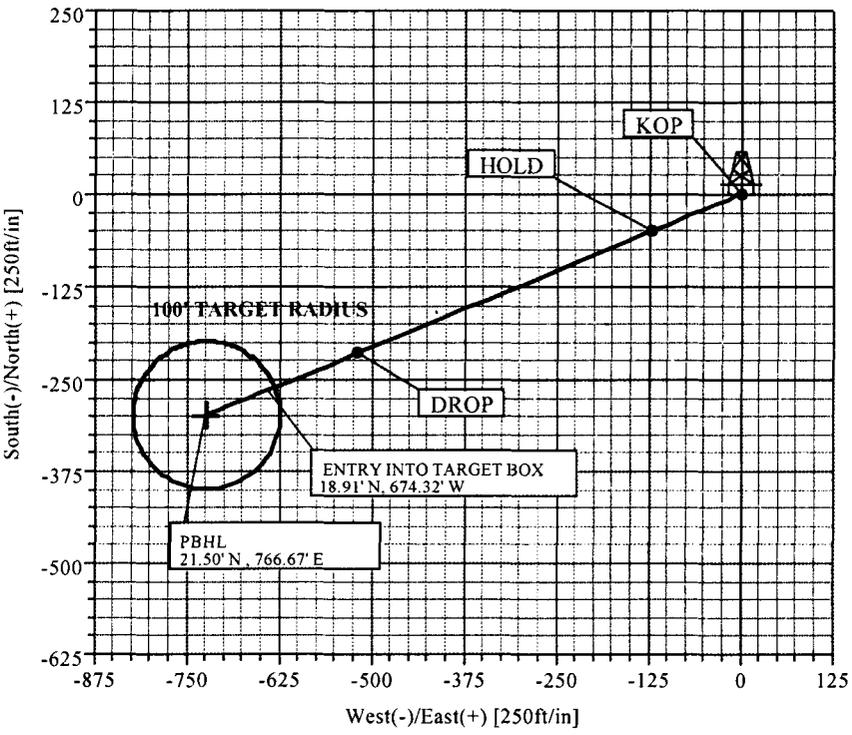
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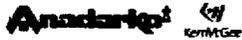
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	247.56	0.00	0.00	0.00	0.00	0.00	0.00	
2	2200.00	0.00	247.56	2200.00	0.00	0.00	0.00	0.00	0.00	KOP
3	2982.14	19.55	247.56	2967.05	-50.44	-122.17	2.50	247.56	132.17	HOLD
4	4265.71	19.55	247.56	4176.59	-214.41	-519.24	0.00	0.00	561.76	DROP
5	5569.28	0.00	247.56	5455.00	-298.48	-722.85	1.50	180.00	782.05	HOLD
6	8334.28	0.00	247.56	8220.00	-298.48	-722.85	0.00	247.56	782.05	PBHL

WELL DETAILS								
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
13M2AS	0.00	0.00	14510438.50	2090985.50	39°56'45.584N	109°23'32.869W	N/A	



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





Weatherford International, Ltd.

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee	Date: 7/5/2007	Time: 14:39:43	Page: 1
Field: Uintah County, Utah (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 1022-13M2AS, Grid North	
Site: NBU 1022-13M2AS	Vertical (TVD) Reference:	SITE 5302.0	
Well: 13M2AS	Section (VS) Reference:	Well (0.00N,0.00E,247.56Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey:	Start Date:
Company:	Engineer:
Tool:	Tied-to:

Field: Uintah County, Utah (UTM Zone 12N-NAD 27)

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

Site: NBU 1022-13M2AS

Site Position:	Northing: 14510438.50 ft	Latitude: 39 56 45.584 N
From: Map	Easting: 2090985.50 ft	Longitude: 109 23 32.869 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 5287.00 ft		Grid Convergence: 1.03 deg

Well: 13M2AS **Slot Name:**

Well Position: +N/-S 0.00 ft	Northing: 14510438.50 ft	Latitude: 39 56 45.584 N
+E/-W 0.00 ft	Easting: 2090985.50 ft	Longitude: 109 23 32.869 W
Position Uncertainty: 0.00 ft		

Wellpath: 1

Current Datum: SITE	Height 5302.00 ft	Drilled From: Surface
Magnetic Data: 7/3/2007		Tie-on Depth: 0.00 ft
Field Strength: 52754 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 11.55 deg
ft	ft	Mag Dip Angle: 65.97 deg
		+E/-W
		ft
		Direction
		deg
0.00	0.00	0.00
		247.56

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	247.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	247.56	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2982.14	19.55	247.56	2967.05	-50.44	-122.17	2.50	2.50	0.00	247.56	
4265.71	19.55	247.56	4176.59	-214.41	-519.24	0.00	0.00	0.00	0.00	
5569.28	0.00	247.56	5455.00	-298.48	-722.85	1.50	-1.50	0.00	180.00	
8334.28	0.00	247.56	8220.00	-298.48	-722.85	0.00	0.00	0.00	247.56	PBHL 13M2AS

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
2200.00	0.00	247.56	2200.00	0.00	0.00	0.00	0.00	1.45104e07	2090985.50	KOP
2300.00	2.50	247.56	2299.97	-0.83	-2.02	2.18	2.50	1.45104e07	2090983.48	
2400.00	5.00	247.56	2399.75	-3.33	-8.06	8.72	2.50	1.45104e07	2090977.44	
2500.00	7.50	247.56	2499.14	-7.48	-18.12	19.61	2.50	1.45104e07	2090967.38	
2600.00	10.00	247.56	2597.97	-13.29	-32.18	34.82	2.50	1.45104e07	2090953.32	
2700.00	12.50	247.56	2696.04	-20.73	-50.21	54.33	2.50	1.45104e07	2090935.29	
2800.00	15.00	247.56	2793.17	-29.80	-72.18	78.09	2.50	1.45104e07	2090913.32	
2900.00	17.50	247.56	2889.17	-40.48	-98.04	106.07	2.50	1.45103e07	2090887.46	
2982.14	19.55	247.56	2967.05	-50.44	-122.17	132.17	2.50	1.45103e07	2090863.33	HOLD
3000.00	19.55	247.56	2983.88	-52.73	-127.69	138.15	0.00	1.45103e07	2090857.81	
3100.00	19.55	247.56	3078.11	-65.50	-158.63	171.62	0.00	1.45103e07	2090826.87	
3200.00	19.55	247.56	3172.34	-78.27	-189.56	205.09	0.00	1.45103e07	2090795.94	
3300.00	19.55	247.56	3266.57	-91.05	-220.50	238.55	0.00	1.45103e07	2090765.00	
3400.00	19.55	247.56	3360.81	-103.82	-251.43	272.02	0.00	1.45103e07	2090734.07	
3500.00	19.55	247.56	3455.04	-116.60	-282.37	305.49	0.00	1.45103e07	2090703.13	



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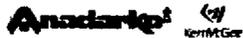
DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee	Date: 7/5/2007	Time: 14:39:43	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 1022-13M2AS, Grid North	
Site: NBU 1022-13M2AS	Vertical (TVD) Reference:	SITE 5302.0	
Well: 13M2AS	Section (VS) Reference:	Well (0.00N,0.00E,247.56Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
3600.00	19.55	247.56	3549.27	-129.37	-313.30	338.96	0.00	1.45103e07	2090672.20	
3700.00	19.55	247.56	3643.51	-142.14	-344.24	372.43	0.00	1.45102e07	2090641.26	
3800.00	19.55	247.56	3737.74	-154.92	-375.17	405.90	0.00	1.45102e07	2090610.33	
3900.00	19.55	247.56	3831.97	-167.69	-406.11	439.37	0.00	1.45102e07	2090579.39	
4000.00	19.55	247.56	3926.21	-180.46	-437.04	472.84	0.00	1.45102e07	2090548.46	
4086.80	19.55	247.56	4008.00	-191.55	-463.89	501.89	0.00	1.45102e07	2090521.61	Wasatch
4100.00	19.55	247.56	4020.44	-193.24	-467.98	506.30	0.00	1.45102e07	2090517.52	
4200.00	19.55	247.56	4114.67	-206.01	-498.91	539.77	0.00	1.45102e07	2090486.59	
4265.71	19.55	247.56	4176.59	-214.41	-519.24	561.76	0.00	1.45102e07	2090466.26	DROP
4300.00	19.04	247.56	4208.96	-218.73	-529.71	573.10	1.50	1.45102e07	2090455.79	
4400.00	17.54	247.56	4303.90	-230.71	-558.72	604.48	1.50	1.45102e07	2090426.78	
4500.00	16.04	247.56	4399.64	-241.73	-585.42	633.36	1.50	1.45101e07	2090400.08	
4600.00	14.54	247.56	4496.09	-251.79	-609.79	659.73	1.50	1.45101e07	2090375.71	
4700.00	13.04	247.56	4593.21	-260.89	-631.82	683.56	1.50	1.45101e07	2090353.68	
4715.18	12.81	247.56	4608.00	-262.19	-634.96	686.96	1.50	1.45101e07	2090350.54	ENTRY INTO TARGET BO
4800.00	11.54	247.56	4690.91	-269.01	-651.49	704.85	1.50	1.45101e07	2090334.01	
4900.00	10.04	247.56	4789.14	-276.16	-668.79	723.57	1.50	1.45101e07	2090316.71	
5000.00	8.54	247.56	4887.83	-282.32	-683.71	739.71	1.50	1.45101e07	2090301.79	
5100.00	7.04	247.56	4986.90	-287.49	-696.24	753.26	1.50	1.45101e07	2090289.26	
5200.00	5.54	247.56	5086.30	-291.67	-706.36	764.21	1.50	1.45101e07	2090279.14	
5300.00	4.04	247.56	5185.95	-294.86	-714.08	772.56	1.50	1.45101e07	2090271.42	
5400.00	2.54	247.56	5285.78	-297.05	-719.38	778.30	1.50	1.45101e07	2090266.12	
5500.00	1.04	247.56	5385.73	-298.24	-722.27	781.42	1.50	1.45101e07	2090263.23	
5569.28	0.00	247.56	5455.00	-298.48	-722.85	782.05	1.50	1.45101e07	2090262.65	HOLD
5600.00	0.00	247.56	5485.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
5700.00	0.00	247.56	5585.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
5800.00	0.00	247.56	5685.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
5900.00	0.00	247.56	5785.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6000.00	0.00	247.56	5885.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6100.00	0.00	247.56	5985.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6200.00	0.00	247.56	6085.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6300.00	0.00	247.56	6185.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6355.28	0.00	247.56	6241.00	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	Mesaverde
6400.00	0.00	247.56	6285.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6500.00	0.00	247.56	6385.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6600.00	0.00	247.56	6485.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6700.00	0.00	247.56	6585.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6800.00	0.00	247.56	6685.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
6900.00	0.00	247.56	6785.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7000.00	0.00	247.56	6885.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7100.00	0.00	247.56	6985.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7200.00	0.00	247.56	7085.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7300.00	0.00	247.56	7185.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7400.00	0.00	247.56	7285.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7500.00	0.00	247.56	7385.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7600.00	0.00	247.56	7485.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7700.00	0.00	247.56	7585.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7800.00	0.00	247.56	7685.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
7900.00	0.00	247.56	7785.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
8000.00	0.00	247.56	7885.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
8100.00	0.00	247.56	7985.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
8200.00	0.00	247.56	8085.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	



Weatherford International, Ltd.

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU 1022-13M2AS Well: 13M2AS Wellpath: 1	Date: 7/5/2007 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 14:39:43 Site: NBU 1022-13M2AS, Grid North SITE: 5302.0 Well (0.00N,0.00E,247.56Azi): Minimum Curvature	Page: 3 Grid North Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8300.00	0.00	247.56	8185.72	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	
8334.28	0.00	247.56	8220.00	-298.48	-722.85	782.05	0.00	1.45101e07	2090262.65	PBHL 13M2AS

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->				
								Deg	Min	Sec	Deg	Min	Sec		
PBHL 13M2AS			8220.00	-298.48	-722.85	14510140.02	2090262.65	39	56	42.762	N	109	23	42.219	W
-Circle (Radius: 100)															
-Plan hit target															

Casing Points

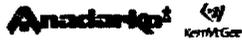
MD ft	TVD ft	Diameter in	Hole Size in	Name
2100.00	2100.00	9.625	12.250	9 5/8"

Annotation

MD ft	TVD ft	
2200.00	2200.00	KOP
2982.14	2967.05	HOLD
4265.71	4176.59	DROP
4715.18	4608.00	ENTRY INTO TARGET BOX
5569.28	5455.00	HOLD
8334.28	8220.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
953.00	953.00	Green River		0.00	0.00
4086.80	4008.00	Wasatch		0.00	0.00
6355.28	6241.00	Mesaverde		0.00	0.00



Weatherford International, Ltd.

Anticollision Report



Company: Anadarko-Kerr-McGee **Date:** 7/5/2007 **Time:** 18:10:19 **Page:** 1
Field: Uintah County, Utah (UTM Zone 12N-NAD 27)
Reference Site: NBU 1022-13M2AS **Co-ordinate(N/E) Reference:** Site: NBU 1022-13M2AS, Grid North
Reference Well: 13M2AS **Vertical (TVD) Reference:** SITE 5302.0
Reference Wellpath: 1 **Db:** Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD **Interval:** 100.00 ft **Reference:** Plan: Plan #1
Depth Range: 2200.00 to 8334.28 ft **Error Model:** ISCWSA Ellipse
Maximum Radius: 10000.00 ft **Scan Method:** Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #1 **Date Composed:** 7/5/2007
Principal: Yes **Version:** 1
 Tied-to: From Surface

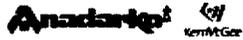
Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
NBU 1022-13K3S	13K3S	1 V0 Plan: Plan #1 V1	2200.00	2200.00	19.88	10.90	2.22	
NBU 1022-13N2S	13N2S	1 V0 Plan: Plan #1 V1	2400.00	2398.98	16.41	6.60	1.67	

Site: NBU 1022-13K3S
Well: 13K3S
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
2200.00	2200.00	2200.00	2200.00	4.49	4.49	155.99	14.40	13.70	19.88	10.90	2.22	
2300.00	2299.97	2299.48	2299.45	4.70	4.70	163.13	13.69	15.74	22.94	13.55	2.44	
2400.00	2399.75	2397.98	2397.73	4.91	4.90	175.85	11.58	21.77	33.40	23.62	3.41	
2500.00	2499.14	2494.56	2493.75	5.13	5.12	185.07	8.15	31.54	52.35	42.17	5.15	
2600.00	2597.97	2588.37	2586.51	5.36	5.34	190.50	3.55	44.68	79.52	68.97	7.54	
2700.00	2696.04	2678.64	2675.16	5.63	5.57	193.74	-2.05	60.70	114.40	103.48	10.48	
2800.00	2793.17	2764.74	2759.04	5.93	5.82	195.83	-8.47	79.04	156.49	145.20	13.87	
2900.00	2889.17	2846.18	2837.66	6.28	6.09	197.30	-15.50	99.11	205.30	193.64	17.61	
3000.00	2983.88	2926.00	2914.00	6.69	6.38	198.35	-23.19	121.07	260.07	247.99	21.51	
3100.00	3078.11	3008.58	2992.87	7.15	6.71	198.73	-31.28	144.19	316.44	303.82	25.08	
3200.00	3172.34	3091.17	3071.74	7.64	7.06	199.00	-39.37	167.30	372.81	359.67	28.37	
3300.00	3266.57	3173.76	3150.62	8.16	7.43	199.19	-47.46	190.42	429.18	415.48	31.32	
3400.00	3360.81	3256.34	3229.49	8.69	7.82	199.35	-55.55	213.54	485.56	471.29	34.01	
3500.00	3455.04	3338.93	3308.36	9.25	8.21	199.46	-63.64	236.65	541.94	527.08	36.47	
3600.00	3549.27	3421.52	3387.23	9.82	8.62	199.56	-71.74	259.77	598.32	582.86	38.71	
3700.00	3643.51	3504.10	3466.10	10.41	9.03	199.64	-79.83	282.88	654.70	638.64	40.77	
3800.00	3737.74	3586.69	3544.98	11.00	9.46	199.71	-87.92	306.00	711.08	694.43	42.70	
3900.00	3831.97	3669.28	3623.85	11.60	9.89	199.77	-96.01	329.11	767.47	750.19	44.44	
4000.00	3926.21	3751.87	3702.72	12.21	10.33	199.82	-104.10	352.23	823.85	805.95	46.03	
4100.00	4020.44	3834.45	3781.59	12.83	10.77	199.86	-112.19	375.35	880.23	861.70	47.50	
4200.00	4114.67	3917.04	3860.46	13.45	11.22	199.90	-120.29	398.46	936.62	917.45	48.86	
4300.00	4208.96	3999.71	3939.41	14.01	11.67	199.82	-128.39	421.60	992.88	973.15	50.32	
4400.00	4303.90	4083.44	4019.38	14.26	12.14	199.57	-136.59	445.04	1047.54	1027.53	52.34	
4500.00	4399.64	4168.47	4100.59	14.50	12.61	199.38	-144.92	468.84	1100.11	1079.82	54.21	
4600.00	4496.09	4261.05	4189.02	14.72	13.09	199.27	-153.97	494.69	1150.54	1129.98	55.98	
4700.00	4593.21	4384.28	4307.48	14.91	13.38	199.22	-165.18	526.72	1197.08	1176.50	58.17	
4800.00	4690.91	4512.85	4432.18	15.09	13.59	199.18	-175.53	556.27	1238.70	1218.19	60.40	
4900.00	4789.14	4646.36	4562.70	15.24	13.77	199.13	-184.80	582.75	1275.14	1254.75	62.53	
5000.00	4887.83	4784.31	4698.50	15.36	13.92	199.07	-192.78	605.57	1306.18	1285.95	64.56	
5100.00	4986.90	4926.09	4838.89	15.45	14.01	199.00	-199.30	624.18	1331.62	1311.59	66.48	
5200.00	5086.30	5071.00	4983.04	15.51	14.05	198.93	-204.18	638.12	1351.28	1331.51	68.35	
5300.00	5185.95	5218.28	5130.01	15.54	14.02	198.85	-207.28	646.98	1365.02	1345.56	70.16	
5400.00	5285.78	5367.07	5278.75	15.53	13.93	198.76	-208.51	650.49	1372.75	1353.67	71.93	
5500.00	5385.73	5474.05	5385.73	15.49	13.98	198.70	-208.53	650.55	1375.75	1351.91	57.71	
5600.00	5485.72	5574.05	5485.72	15.44	14.08	86.25	-208.53	650.55	1376.34	1346.13	45.56	
5700.00	5585.72	5674.05	5585.72	15.53	14.19	86.25	-208.53	650.55	1376.34	1345.94	45.28	



Weatherford International, Ltd.

Anticollision Report



Company: Anadarko-Kerr-McGee **Date:** 7/5/2007 **Time:** 18:10:19 **Page:** 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Reference Site: NBU 1022-13M2AS **Co-ordinate(NE) Reference:** Site: NBU 1022-13M2AS, Grid North
Reference Well: 13M2AS **Vertical (TVD) Reference:** SITE 5302.0
Reference Wellpath: 1 **Db:** Sybase

Site: NBU 1022-13K3S
Well: 13K3S
Wellpath: 1 V0 Plan: Plan #1 V1

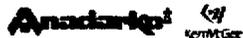
Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
5800.00	5685.72	5774.05	5685.72	15.61	14.29	86.25	-208.53	650.55	1376.34	1345.75	44.99	
5900.00	5785.72	5874.05	5785.72	15.70	14.40	86.25	-208.53	650.55	1376.34	1345.55	44.70	
6000.00	5885.72	5974.05	5885.72	15.79	14.51	86.25	-208.53	650.55	1376.34	1345.35	44.41	
6100.00	5985.72	6074.05	5985.72	15.89	14.62	86.25	-208.53	650.55	1376.34	1345.15	44.12	
6200.00	6085.72	6174.05	6085.72	15.98	14.73	86.25	-208.53	650.55	1376.34	1344.94	43.82	
6300.00	6185.72	6274.05	6185.72	16.08	14.85	86.25	-208.53	650.55	1376.34	1344.72	43.53	
6400.00	6285.72	6374.05	6285.72	16.18	14.97	86.25	-208.53	650.55	1376.34	1344.50	43.23	
6500.00	6385.72	6474.05	6385.72	16.28	15.09	86.25	-208.53	650.55	1376.34	1344.28	42.93	
6600.00	6485.72	6574.05	6485.72	16.39	15.21	86.25	-208.53	650.55	1376.34	1344.05	42.62	
6700.00	6585.72	6674.05	6585.72	16.49	15.33	86.25	-208.53	650.55	1376.34	1343.82	42.32	
6800.00	6685.72	6774.05	6685.72	16.60	15.46	86.25	-208.53	650.55	1376.34	1343.59	42.02	
6900.00	6785.72	6874.05	6785.72	16.71	15.59	86.25	-208.53	650.55	1376.34	1343.35	41.72	
7000.00	6885.72	6974.05	6885.72	16.83	15.72	86.25	-208.53	650.55	1376.34	1343.11	41.41	
7100.00	6985.72	7074.05	6985.72	16.94	15.85	86.25	-208.53	650.55	1376.34	1342.86	41.11	
7200.00	7085.72	7174.05	7085.72	17.06	15.98	86.25	-208.53	650.55	1376.34	1342.61	40.81	
7300.00	7185.72	7274.05	7185.72	17.17	16.12	86.25	-208.53	650.55	1376.34	1342.36	40.50	
7400.00	7285.72	7374.05	7285.72	17.29	16.25	86.25	-208.53	650.55	1376.34	1342.11	40.20	
7500.00	7385.72	7474.05	7385.72	17.41	16.39	86.25	-208.53	650.55	1376.34	1341.85	39.90	
7600.00	7485.72	7574.05	7485.72	17.54	16.53	86.25	-208.53	650.55	1376.34	1341.58	39.60	
7700.00	7585.72	7674.05	7585.72	17.66	16.67	86.25	-208.53	650.55	1376.34	1341.32	39.30	
7800.00	7685.72	7774.05	7685.72	17.79	16.81	86.25	-208.53	650.55	1376.34	1341.05	39.00	
7900.00	7785.72	7874.05	7785.72	17.91	16.95	86.25	-208.53	650.55	1376.34	1340.78	38.70	
8000.00	7885.72	7974.05	7885.72	18.04	17.10	86.25	-208.53	650.55	1376.34	1340.51	38.41	
8100.00	7985.72	8074.05	7985.72	18.17	17.24	86.25	-208.53	650.55	1376.34	1340.23	38.11	
8200.00	8085.72	8174.05	8085.72	18.31	17.39	86.25	-208.53	650.55	1376.34	1339.95	37.82	
8300.00	8185.72	8274.05	8185.72	18.44	17.54	86.25	-208.53	650.55	1376.34	1339.67	37.53	

Site: NBU 1022-13N2S
Well: 13N2S
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
2200.00	2200.00	2200.00	2200.00	4.49	4.49	334.02	-14.30	-12.70	19.13	10.15	2.13	
2300.00	2299.97	2299.92	2299.89	4.70	4.70	323.61	-15.63	-10.97	17.29	7.90	1.84	
2400.00	2399.75	2398.98	2398.73	4.91	4.91	284.93	-19.56	-5.85	16.41	6.60	1.67	
2500.00	2499.14	2496.38	2495.56	5.13	5.12	245.38	-25.95	2.48	27.90	17.70	2.74	
2600.00	2597.97	2591.35	2589.45	5.36	5.34	229.03	-34.59	13.74	51.34	40.75	4.85	
2700.00	2696.04	2683.22	2679.65	5.63	5.58	222.28	-45.20	27.57	83.17	72.18	7.57	
2800.00	2793.17	2771.42	2765.51	5.93	5.84	219.04	-57.44	43.52	122.13	110.72	10.71	
2900.00	2889.17	2855.47	2846.57	6.28	6.12	217.38	-70.97	61.16	167.60	155.75	14.14	
3000.00	2983.88	2935.06	2922.52	6.69	6.42	216.39	-85.45	80.02	219.04	206.70	17.75	
3100.00	3078.11	3011.19	2994.35	7.15	6.74	215.44	-100.79	100.01	274.14	261.25	21.28	
3200.00	3172.34	3084.47	3062.67	7.64	7.10	215.05	-116.92	121.02	331.64	318.21	24.70	
3300.00	3266.57	3164.85	3137.10	8.16	7.53	214.86	-135.41	145.13	390.41	376.30	27.68	
3400.00	3360.81	3245.76	3212.00	8.69	7.98	214.73	-154.03	169.40	449.18	434.38	30.34	
3500.00	3455.04	3326.66	3286.89	9.25	8.46	214.62	-172.65	193.66	507.95	492.43	32.72	
3600.00	3549.27	3407.56	3361.79	9.82	8.95	214.54	-191.27	217.92	566.73	550.47	34.85	
3700.00	3643.51	3488.46	3436.69	10.41	9.46	214.47	-209.89	242.19	625.50	608.53	36.84	
3800.00	3737.74	3569.36	3511.59	11.00	9.98	214.42	-228.51	266.45	684.28	666.54	38.56	
3900.00	3831.97	3650.26	3586.48	11.60	10.51	214.37	-247.13	290.71	743.06	724.54	40.12	
4000.00	3926.21	3731.17	3661.38	12.21	11.05	214.33	-265.75	314.98	801.83	782.52	41.52	



Weatherford International, Ltd.

Anticollision Report



Company: Anadarko-Kerr-McGee **Date:** 7/5/2007 **Time:** 18:10:19 **Page:** 3
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Reference Site: NBU 1022-13M2AS **Co-ordinate(NE) Reference:** **Site:** NBU 1022-13M2AS, Grid North
Reference Well: 13M2AS **Vertical (TVD) Reference:** **SITE 5302.0**
Reference Wellpath: 1 **Db:** Sybase

Site: NBU 1022-13N2S
Well: 13N2S
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
4100.00	4020.44	3812.07	3736.28	12.83	11.59	214.30	-284.37	339.24	860.61	840.50	42.80	
4200.00	4114.67	3892.97	3811.18	13.45	12.15	214.27	-302.99	363.50	919.39	898.51	44.04	
4300.00	4208.96	3973.95	3886.14	14.01	12.71	214.04	-321.62	387.79	978.06	956.44	45.24	
4400.00	4303.90	4055.90	3962.02	14.26	13.28	213.51	-340.49	412.37	1035.35	1013.31	46.98	
4500.00	4399.64	4144.46	4044.03	14.50	13.86	213.12	-360.83	438.89	1090.80	1068.35	48.60	
4600.00	4496.09	4259.09	4151.02	14.72	14.33	212.84	-385.87	471.52	1142.92	1120.22	50.35	
4700.00	4593.21	4378.90	4264.11	14.91	14.70	212.61	-409.94	502.88	1190.83	1167.99	52.15	
4800.00	4690.91	4503.68	4383.16	15.09	15.07	212.43	-432.70	532.54	1234.28	1211.32	53.76	
4900.00	4789.14	4633.15	4507.89	15.24	15.41	212.27	-453.80	560.04	1273.06	1250.04	55.29	
5000.00	4887.83	4766.92	4637.94	15.36	15.72	212.15	-472.89	584.91	1306.97	1283.92	56.70	
5100.00	4986.90	4904.57	4772.80	15.45	15.99	212.06	-489.62	606.72	1335.81	1312.77	57.98	
5200.00	5086.30	5045.55	4911.86	15.51	16.20	211.98	-503.68	625.04	1359.42	1336.45	59.21	
5300.00	5185.95	5189.25	5054.40	15.54	16.35	211.93	-514.79	639.51	1377.64	1354.81	60.35	
5400.00	5285.78	5335.02	5199.58	15.53	16.42	211.90	-522.71	649.84	1390.37	1367.74	61.44	
5500.00	5385.73	5482.14	5346.50	15.49	16.42	211.89	-527.28	655.80	1397.52	1375.15	62.48	
5600.00	5485.72	5621.39	5485.72	15.44	16.36	99.46	-528.46	657.33	1399.21	1366.53	42.81	
5700.00	5585.72	5721.39	5585.72	15.53	16.38	99.46	-528.46	657.33	1399.21	1366.43	42.68	
5800.00	5685.72	5821.39	5685.72	15.61	16.45	99.46	-528.46	657.33	1399.21	1366.26	42.47	
5900.00	5785.72	5921.39	5785.72	15.70	16.53	99.46	-528.46	657.33	1399.21	1366.10	42.26	
6000.00	5885.72	6021.39	5885.72	15.79	16.60	99.46	-528.46	657.33	1399.21	1365.93	42.04	
6100.00	5985.72	6121.39	5985.72	15.89	16.68	99.46	-528.46	657.33	1399.21	1365.75	41.82	
6200.00	6085.72	6221.39	6085.72	15.98	16.77	99.46	-528.46	657.33	1399.21	1365.57	41.60	
6300.00	6185.72	6321.39	6185.72	16.08	16.85	99.46	-528.46	657.33	1399.21	1365.39	41.37	
6400.00	6285.72	6421.39	6285.72	16.18	16.94	99.46	-528.46	657.33	1399.21	1365.20	41.14	
6500.00	6385.72	6521.39	6385.72	16.28	17.02	99.46	-528.46	657.33	1399.21	1365.01	40.91	
6600.00	6485.72	6621.39	6485.72	16.39	17.12	99.46	-528.46	657.33	1399.21	1364.81	40.68	
6700.00	6585.72	6721.39	6585.72	16.49	17.21	99.46	-528.46	657.33	1399.21	1364.61	40.44	
6800.00	6685.72	6821.39	6685.72	16.60	17.30	99.46	-528.46	657.33	1399.21	1364.40	40.20	
6900.00	6785.72	6921.39	6785.72	16.71	17.40	99.46	-528.46	657.33	1399.21	1364.19	39.96	
7000.00	6885.72	7021.39	6885.72	16.83	17.50	99.46	-528.46	657.33	1399.21	1363.98	39.72	
7100.00	6985.72	7121.39	6985.72	16.94	17.60	99.46	-528.46	657.33	1399.21	1363.77	39.48	
7200.00	7085.72	7221.39	7085.72	17.06	17.70	99.46	-528.46	657.33	1399.21	1363.55	39.23	
7300.00	7185.72	7321.39	7185.72	17.17	17.81	99.46	-528.46	657.33	1399.21	1363.32	38.99	
7400.00	7285.72	7421.39	7285.72	17.29	17.91	99.46	-528.46	657.33	1399.21	1363.09	38.74	
7500.00	7385.72	7521.39	7385.72	17.41	18.02	99.46	-528.46	657.33	1399.21	1362.86	38.50	
7600.00	7485.72	7621.39	7485.72	17.54	18.13	99.46	-528.46	657.33	1399.21	1362.63	38.25	
7700.00	7585.72	7721.39	7585.72	17.66	18.24	99.46	-528.46	657.33	1399.21	1362.39	38.00	
7800.00	7685.72	7821.39	7685.72	17.79	18.36	99.46	-528.46	657.33	1399.21	1362.15	37.75	
7900.00	7785.72	7921.39	7785.72	17.91	18.47	99.46	-528.46	657.33	1399.21	1361.90	37.51	
8000.00	7885.72	8021.39	7885.72	18.04	18.59	99.46	-528.46	657.33	1399.21	1361.66	37.26	
8100.00	7985.72	8121.39	7985.72	18.17	18.71	99.46	-528.46	657.33	1399.21	1361.41	37.01	
8200.00	8085.72	8221.39	8085.72	18.31	18.83	99.46	-528.46	657.33	1399.21	1361.15	36.77	
8300.00	8185.72	8321.39	8185.72	18.44	18.95	99.46	-528.46	657.33	1399.21	1360.90	36.52	

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
#1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
#1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
#1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
& #1022-13M1S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 13, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF EXISTING ACCESS

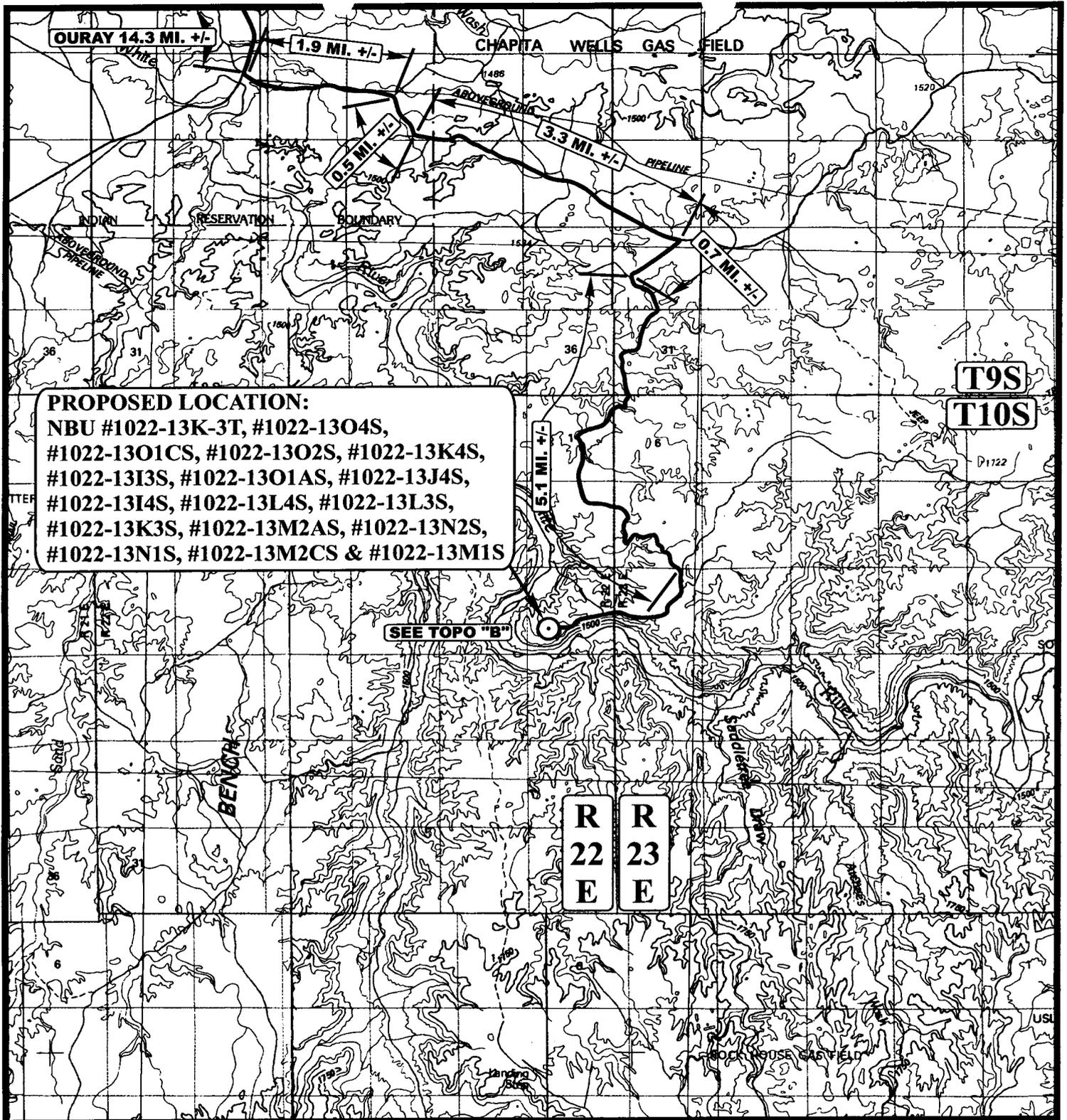
CAMERA ANGLE: WESTERLY



- Since 1964 -

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

LOCATION PHOTOS	05	17	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		



PROPOSED LOCATION:
 NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S

SEE TOPO "B"

R
22
E

R
23
E

T9S
T10S

LEGEND:

⊙ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU#1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4



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

TOPOGRAPHIC
MAP

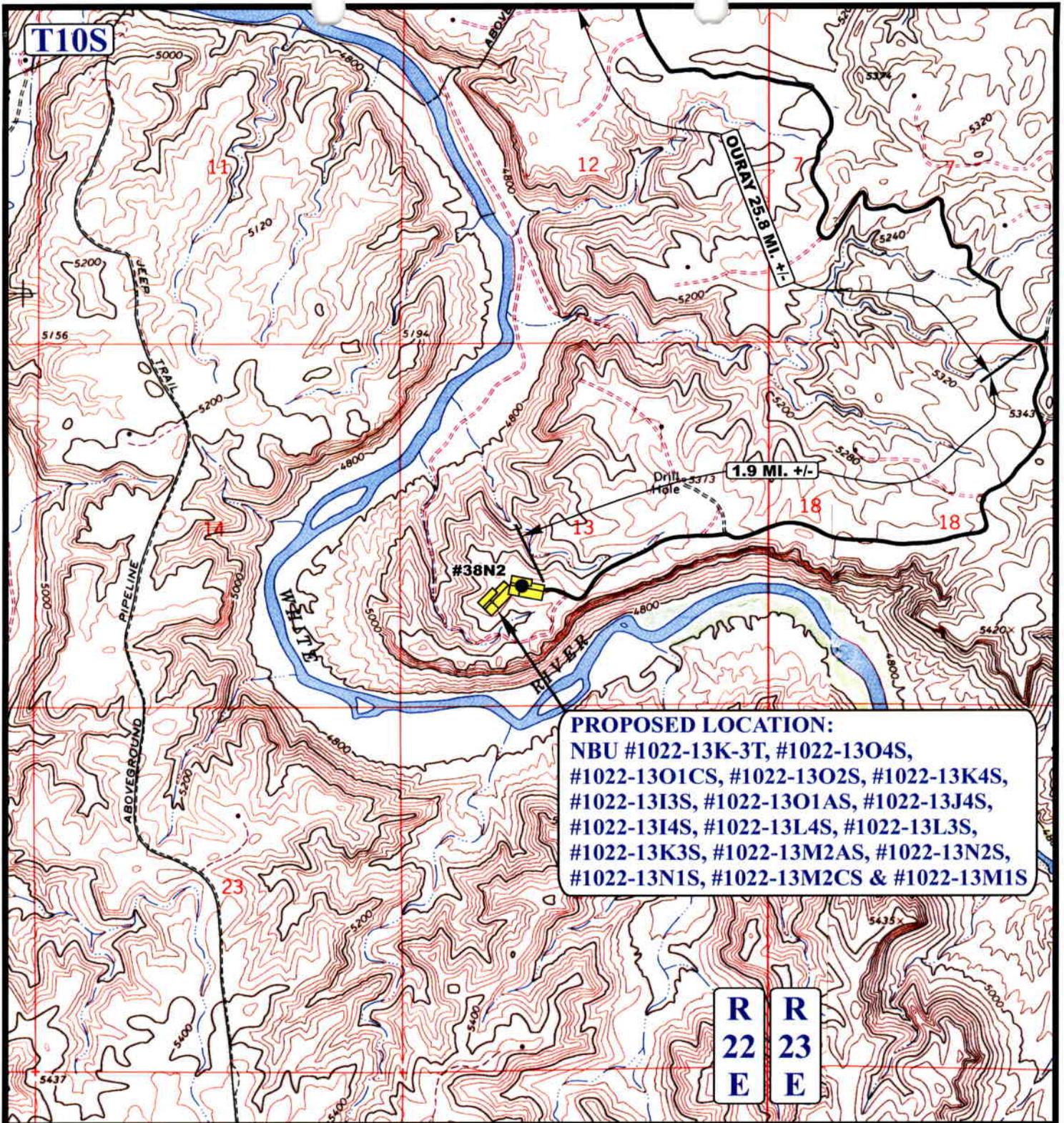
05 17 07
 MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 00-00-00





PROPOSED LOCATION:
 NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S

R R
22 23
E E

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

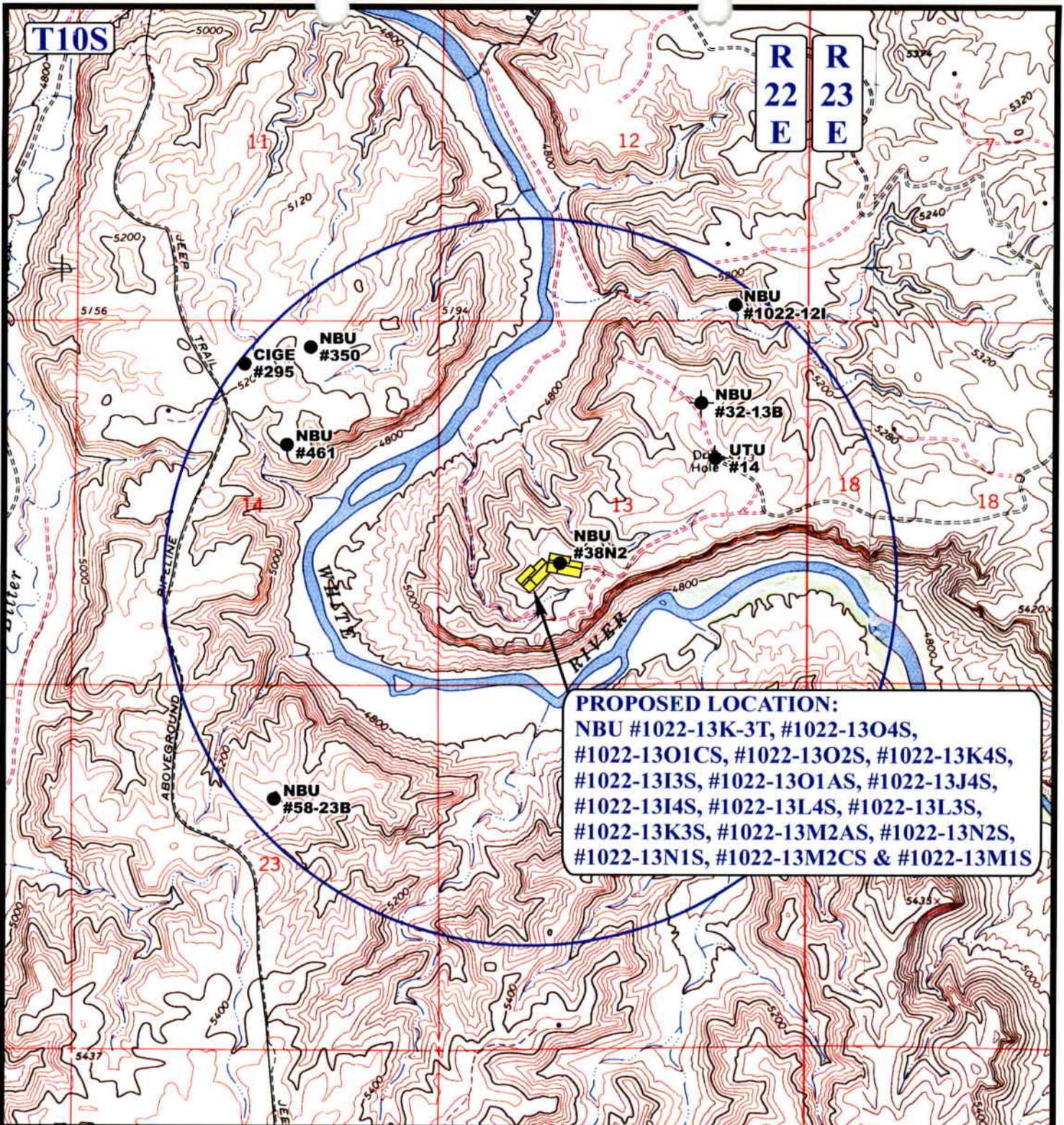
NBU#1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4

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



TOPOGRAPHIC MAP **05 17 07**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00 **B**
 TOPO



PROPOSED LOCATION:
 NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S

LEGEND:

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



Kerr-McGee Oil & Gas Onshore LP

NBU#1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4

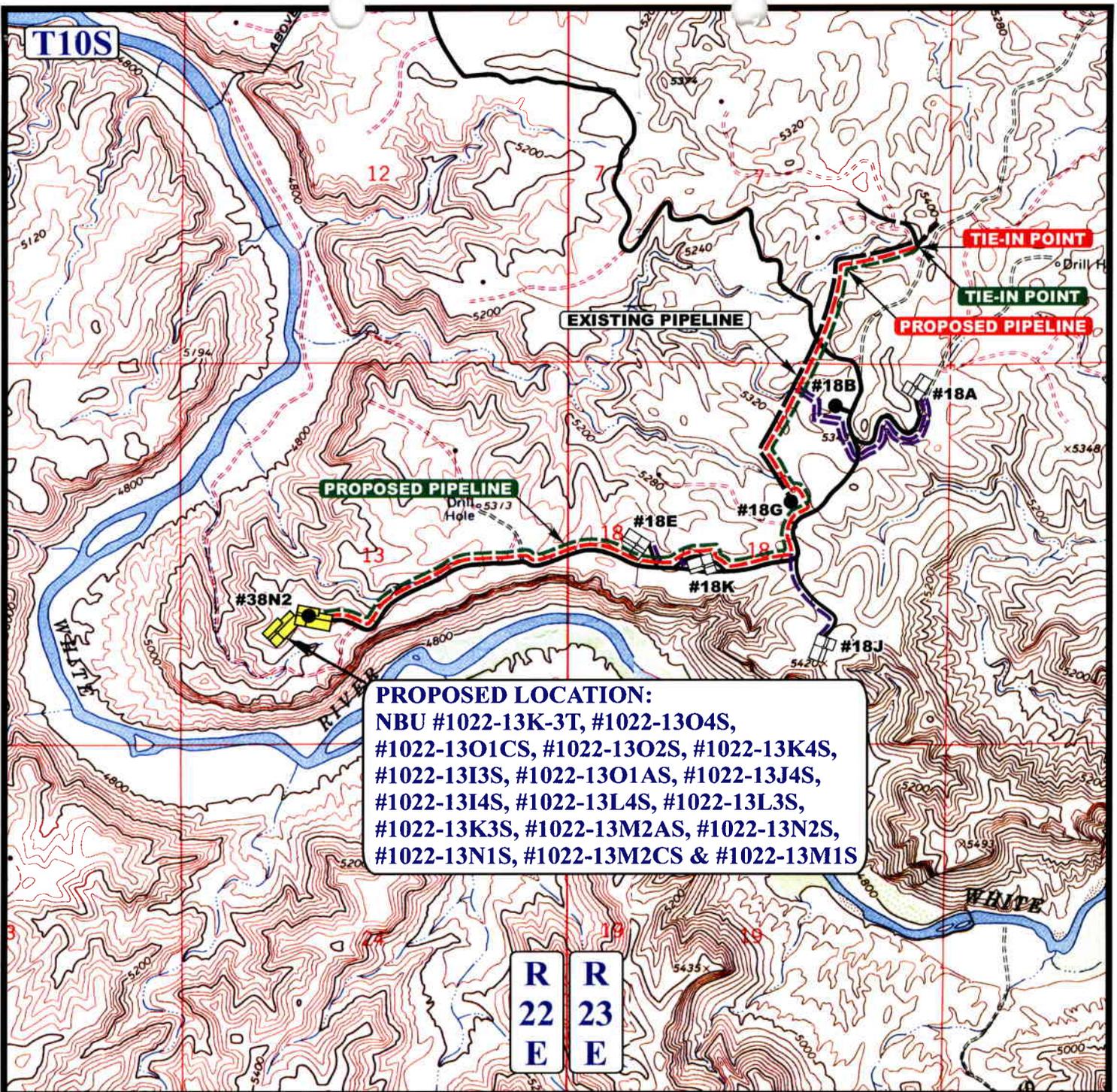


Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC MAP 05 17 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL 10" PIPELINE DISTANCE = 12,184' +/-

APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 12,184' +/-

LEGEND:

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



Kerr-McGee Oil & Gas Onshore LP

NBU#1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4

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

TOPOGRAPHIC MAP 05 17 07
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 07-19-07 **D TOPO**

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
#1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
#1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
#1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
& #1022-13M1S

PIPELINE ALIGNMENT
LOCATED IN UINTAH COUNTY, UTAH
SECTION 13, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY



- Since 1964 -

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

PIPELINE PHOTOS	05	17	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: L.K.	DRAWN BY: C.P.		REVISED: 00-00-00	

INTERFERENCE DETAIL FOR

NBU #1022-13K-3T, #1022-1304S,
#1022-1301CS, #1022-1302S, #1022-13K4S,
#1022-13I3S, #1022-1301AS, #1022-13J4S,
#1022-13I4S, #1022-13L4S, #1022-13L3S,
#1022-13K3S, #1022-13M2AS, #1022-13N2S,
#1022-13N1S, #1022-13M2CS & #1022-13M1S
SECTION 13, T10S, R22E, S.L.B.&M.
SW 1/4



SCALE: 1" = 50'
DATE: 6-13-07
Drawn By: K.G.

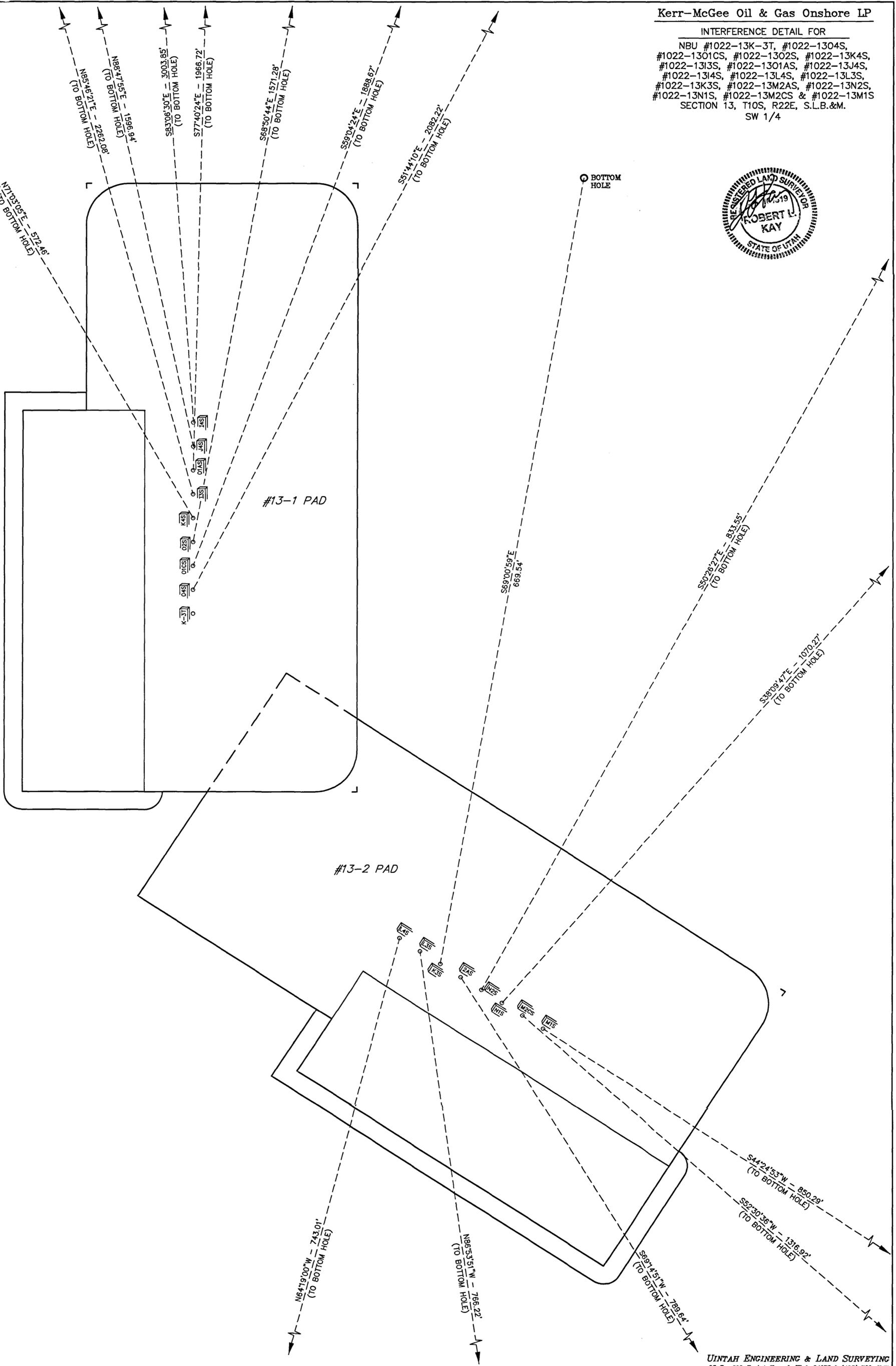


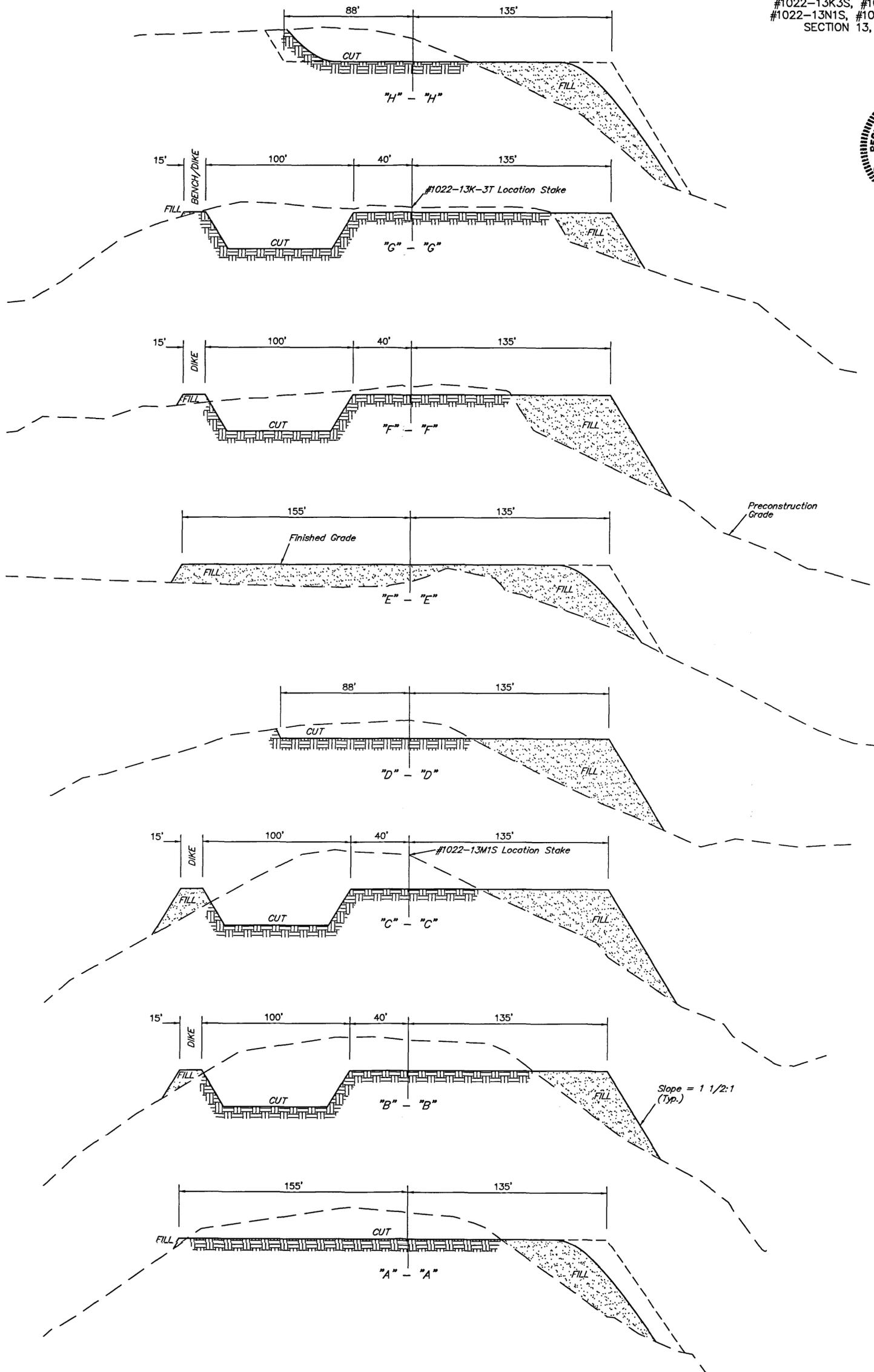
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S
 SECTION 13, T10S, R22E, S.L.B.&M.
 SW 1/4



1" = 20'
 X-Section
 Scale
 1" = 50'
 DATE: 6-13-07
 Drawn By: K.G.



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

APPROXIMATE YARDAGES FOR #13-1 PAD

CUT	
(6") Topsoil Stripping	= 3,160 Cu. Yds.
Remaining Location	= 18,230 Cu. Yds.
TOTAL CUT	= 21,390 CU.YDS.
FILL	= 13,580 CU.YDS.
EXCESS MATERIAL	= 7,810 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,810 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

APPROXIMATE YARDAGES FOR #13-2 PAD

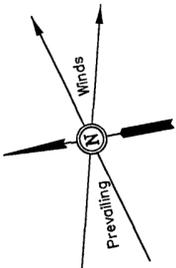
CUT	
(6") Topsoil Stripping	= 2,860 Cu. Yds.
Remaining Location	= 24,050 Cu. Yds.
TOTAL CUT	= 26,910 CU.YDS.
FILL	= 19,710 CU.YDS.
EXCESS MATERIAL	= 7,200 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

* NOTE:
 FILL QUANTITY INCLUDES
 5% FOR COMPACTION

FIGURE #1

LOCATION LAYOUT FOR

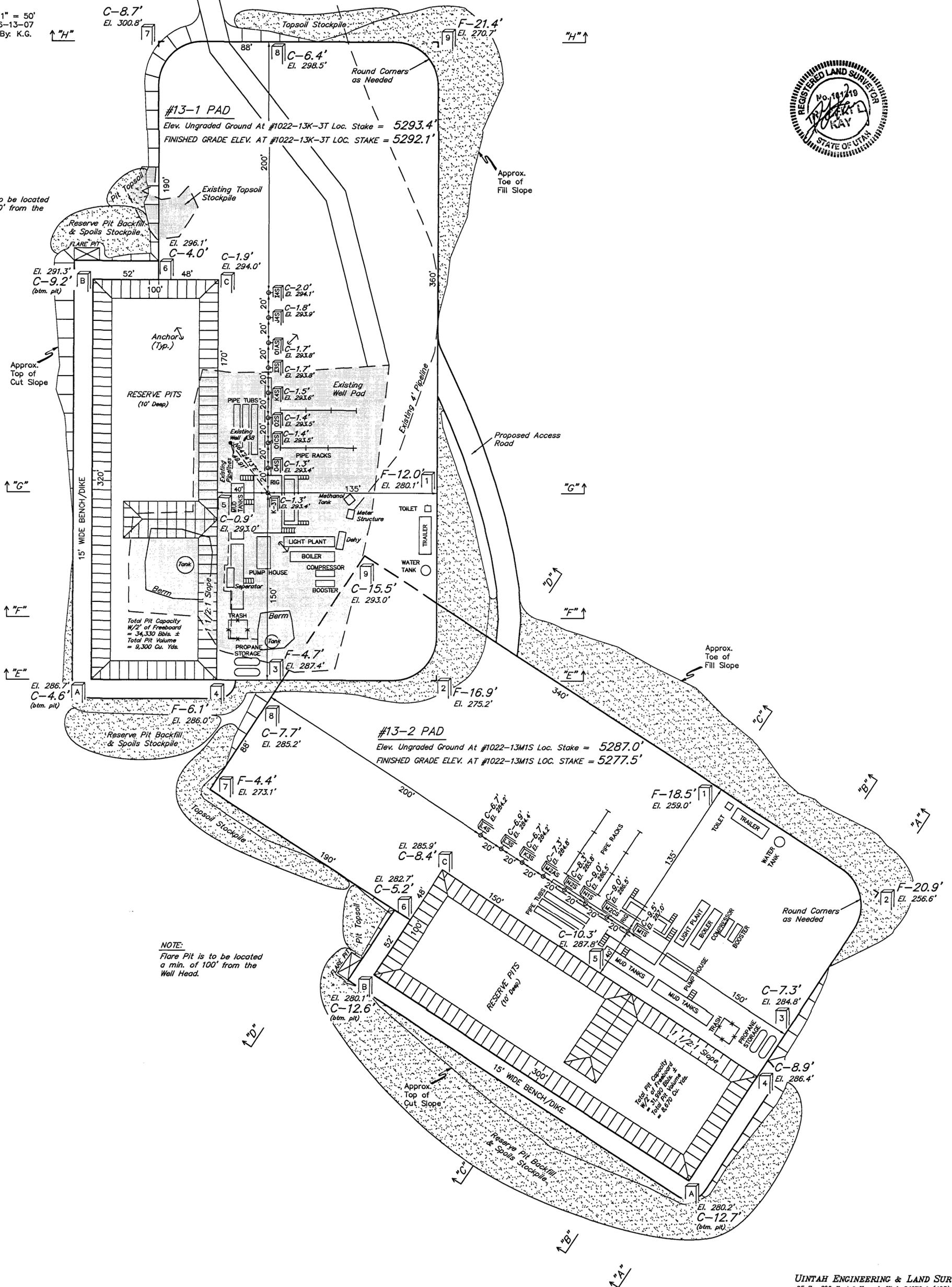
NBU #1022-13K-3T, #1022-1304S, #1022-1301CS, #1022-1302S, #1022-13K4S, #1022-1313S, #1022-1301AS, #1022-13J4S, #1022-1314S, #1022-13L4S, #1022-13L3S, #1022-13K3S, #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS & #1022-13M1S SECTION 13, T10S, R22E, S.L.B.&M. SW 1/4



SCALE: 1" = 50'
DATE: 6-13-07
Drawn By: K.G.



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



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

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/06/2007

API NO. ASSIGNED: 43-047-39483

WELL NAME: NBU 1022-13M2AS
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	9/7/07
Geology		
Surface		

NESW 13 100S 220E
 SURFACE: 1595 FSL 1329 FWL
 BOTTOM: 1315 FSL 0600 FWL
 COUNTY: UINTAH
 LATITUDE: 39.94604 LONGITUDE: -109.3923
 UTM SURF EASTINGS: 637349 NORTHINGS: 4422796
 FIELD NAME: NATURAL BUTTES (630)

LEASE TYPE: 3 - State
 LEASE NUMBER: STUO-08512-ST
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)
- N Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- N RDCC Review (Y/N)
(Date: _____)
- NA Fee Surf Agreement (Y/N)
- WA 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: 12-2-04
Siting: 460' W Ublif? Uncommon Tract
- R649-3-11. Directional Drill

COMMENTS:

Needs Permit (06-27-07)

STIPULATIONS:

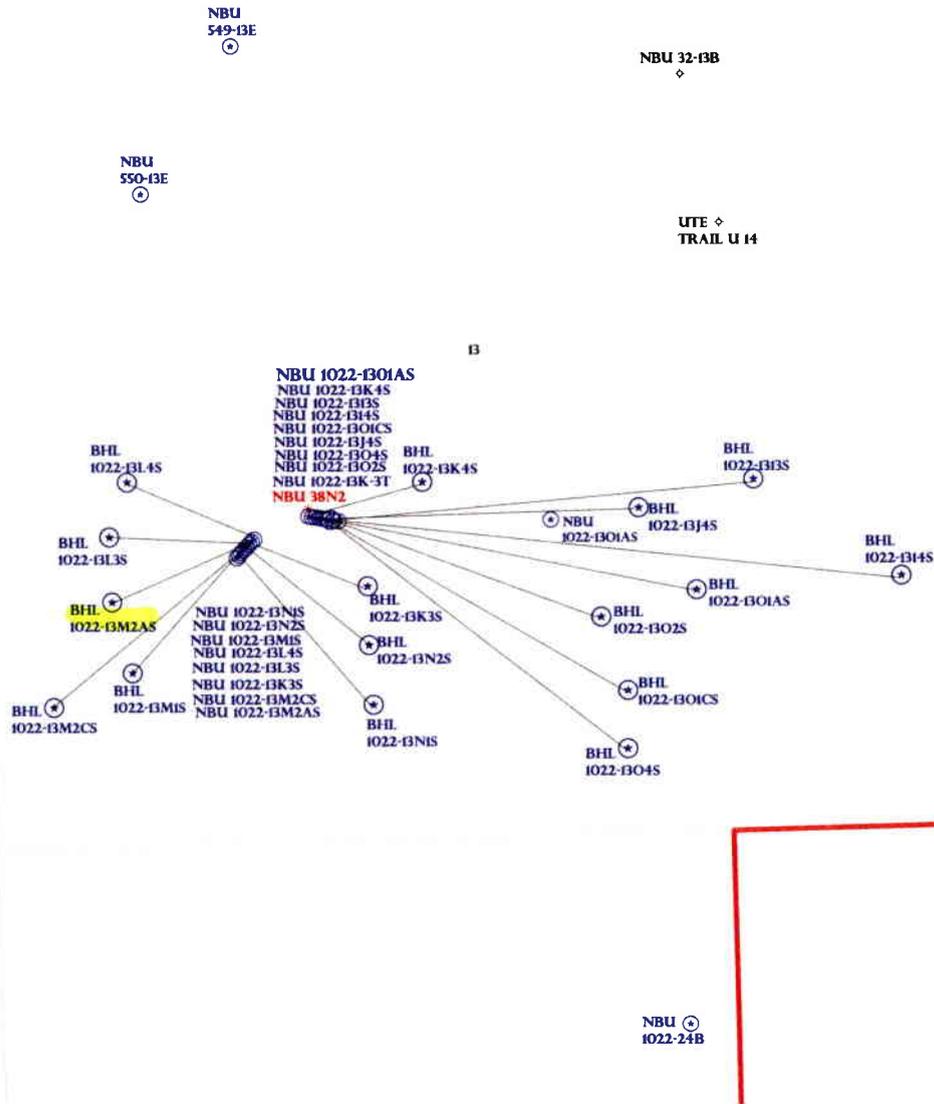
- 1- STATEMENT OF BASIS
- 2- OIL SHALE
- 3- Surface Csg Cont Stip

T10S R22E

T10S R23E

NATURAL BUTTES FIELD NATURAL BUTTES UNIT

CAUSE: 173-14 / 12-2-1999



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 13 T.10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status	
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

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

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



PREPARED BY: DIANA MASON
DATE: 8-AUGUST-2007

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

8/21/2007

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
490	43-047-39483-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, LP		Surface Owner-APD		
Well Name	NBU 1022-13M2AS		Unit		
Field	UNDESIGNATED		Type of Work		
Location	NESW 13 10S 22E S 1595 FSL 1329 FWL GPS Coord (UTM) 637349E 4422796N				

Geologic Statement of Basis

Kerr McGee proposes to set 2,100' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 13. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill
APD Evaluator

8/21/2007
Date / Time

Surface Statement of Basis

The general area is in the southeast end of the Natural Buttes Unit, which contains the White River and short rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 43 air miles to the northwest. Access from Ouray, Utah is approximately 27.7 road miles following Utah State, Uintah County and oilfield development roads to the location.

Seventeen new gas wells are proposed on two connected pads. The pads form a dogleg with the upper pad (#13-1) extending in an east-west direction and the lower pad (#13-2) in a northeast to southwest direction. Corners of the pads overlap with fill from the upper pad, corner 2, extending onto the lower pad at corner 9. Finished elevation of the upper pad is 15 feet higher than the lower pad. A road is proposed on the inside of the dog-leg ramping down to the lower pad. The pads are located on top of a medium width to narrow ridge-top elevated about 500 vertical feet above the White River. The White River forms a bend in the area and somewhat surrounds the locations except on the east-northeast sides. Closest horizontal distance to any well is approximately 1550 feet. Slopes from the ridge steepen and become near vertical sandstone ledges short distances from the pads. Soils are shallow with a rocky subsurface. Except for reserve pit construction blasting is not expected to be required. Pad construction will primarily consist of excavating the top of the ridge filling on the sides of the ridge. All fills will catch on existing natural side slopes. No drainage concerns exist. Elongated reserve pits are planned. Pits will be in cut except along corner 'C' on the lower #13-2 pad and corner 'F' on the upper #13-1 pad. Both areas will be reinforced with embankments which include a 15' wide bench and spoils storage. Reserve pits will be lined with double 20 mil. liners and a appropriate thickness of sub-felt to cushion all rocks. A pad for a producing gas well (NBU #38-N2) exist on a portion of the upper pad. Area encompassed for the pads not including spoils storage is approximately 6.7 acres.

Both the surface and minerals for this location are owned by SITLA. Jim Davis of SITLA attended the pre-site visit and expressed no concerns regarding the proposed location except for those discussed above.

The location appears to be the only site for constructing pads and drilling and operating multiple wells in the

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

8/21/2007

Page 2

area.

It was mutually agreed that the most significant environmental concern with drilling and operating wells in this area was to avoid any leaks or spills from the operations reaching the White River. To reduce chances of this happening, Carroll Estes of Kerr McGee committed to line the pit with a double 20 mil liner with an appropriate thickness of felt sub-liner dependent upon the roughness of the surface of the constructed pit. He also stated they would formulate and follow a plan to monitor the level of fluids in the reserve pit as well as observing the surrounding terrain for any possible leaks. Corrugated metal containments will be constructed around all tanks used for production.

Floyd Bartlett
Onsite Evaluator

6/27/2007
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A double synthetic liner each with a minimum thickness of 20 mils and an appropriate thickness of felt sub-liner to cushion the liners shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name NBU 1022-13M2AS
API Number 43-047-39483-0 **APD No** 490 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NESW **Sec** 13 **Tw** 10S **Rng** 22E 1595 FSL 1329 FWL
GPS Coord (UTM) 637340 4422799 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Carroll Estes, Tony Kznick, and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering and Land Surveying), and Daniel Emmett (UDWR)

Regional/Local Setting & Topography

The general area is in the southeast end of the Natural Buttes Unit, which contains the White River and short rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 43 air miles to the northwest. Access from Ouray, Utah is approximately 27.7 road miles following Utah State, Uintah County and oilfield development roads to the location.

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Both the surface and minerals for this location are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation	
0.01	Width 290	Length 490	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Moderately vegetated with black sagebrush, halogeton, shadscale, rabbit brush, broom snakeweed, cheatgrass, six-week fescue and spring annuals.

Antelope, coyote, small mammals and birds. Winter domestic sheep grazing

Soil Type and Characteristics

Shallow gravely sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potential Observed?** Y **Cultural Survey Run?** Y **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	<300	20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	<10	0	
Affected Populations	<10	0	
Presence Nearby Utility Conduits	Not Present	0	
		Final Score	Sensitivity Level
		35	

Characteristics / Requirements

The reserve pit is proposed on the southwest corner of the lower pad. Portions of the outer edge will be within partial fill. A 15' wide bench/dike is planned along the outer edge as well as reserve pit spoils storage along the west end. Finished pit dimensions are 100' x 300' x 10' deep. Carroll Estes of Kerr McGee committed to line the pit with a double 20 mil liner with an appropriate thickness of felt sub-liner dependent upon the roughness of the surface of the constructed pit.

Mr. Estes also stated they would formulate and follow a plan to monitor the level of fluids in the reserve pit as well as observing the surrounding terrain for any possible leaks.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 40 **Pit Underlayment Required?** Y

Other Observations / Comments

Daniel Emmet represented the Utah Division of Wildlife Resources. Mr. Emmet stated the area is classified as critical yearlong habitat for antelope. He however recommended no stipulations for this species as the loss of forage from this location is not significant and water not forage is the factor limiting the herd population in the area. No other wildlife is expected to be affected. He gave Carrol Estes, representing Kerr McGee, and Jim Davis copies of his evaluation and a DWR recommended seed mix to use when re-vegetating the area.

Floyd Bartlett
Evaluator

6/27/2007
Date / Time

2007-09 Kerr McGee NBU 1022-13M2AS

Casing Schematic

BHP $0.052(8220)11.6 = 4958 \text{ psi}$
anticipate 5096 psi

GWS $.12(8220) = 986$
 $4958 - 986 = 3972 \text{ psi, MASF}$

BOPE SM ✓

Burst 2270
70% 1589 psi

Max P@ Surf. shoe
 $.22(6120) = 1346$
 $4958 - 1346 = 3612 \text{ psi}$

test to 1589 psi ✓

Strip Surf. cont. ✓

✓ Adequate 2100 MD 9/7/07

Surface

12 1/2"
18 1/2"

TOC @ 0.

Uinta

to surf w/5% w/o ✓
TOC @ 953' Green River *Surf St 0
738.
1283' Birds Nest Water propose to surf.
1631' Mahogany

Surface
2100. MD
2100. TVD

4008' Wasatch
4300' ± BMSW

6241' Mesaverde

7101' MV U2

7663' MV L1

4-1/2"
MW 11.6

Production
8334. MD
8220. TVD

Well name:

2007-09 Kerr McGee NBU 1022-13M2ASOperator: **Kerr McGee Oil & Gas Onshore L.P.**String type: **Surface**

Project ID:

43-047-39483

Location: **Uintah County, Utah****Design parameters:****Collapse**Mud weight: 8.300 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 104 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 738 ft

BurstMax anticipated surface
pressure: 1,848 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,100 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)Tension is based on buoyed weight.
Neutral point: 1,844 ft**Non-directional string.****Re subsequent strings:**Next setting depth: 8,220 ft
Next mud weight: 11.600 ppg
Next setting BHP: 4,953 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,100 ft
Injection pressure: 2,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
1	2100	9.625	32.30	H-40	ST&C	2100	2100	8.876	927.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	905	1370	1.513	2100	2270	1.08	60	254	4.26 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: (801) 538-5357
FAX: (801) 359-3940Date: September 5, 2007
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 2100 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	2007-09 Kerr McGee NBU 1022-13M2AS		
Operator:	Kerr McGee Oil & Gas Onshore L.P.		
String type:	Production	Project ID:	43-047-39483
Location:	Uintah County, Utah		

Design parameters:

Collapse

Mud weight: 11.600 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 190 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,145 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 4,953 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Directional well information:

Kick-off point 2200 ft
 Departure at shoe: 782 ft
 Maximum dogleg: 2.5 °/100ft
 Inclination at shoe: 0 °

Tension is based on buoyed weight.

Neutral point: 6,909 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8334	4.5	11.60	I-80	LT&C	8220	8334	3.875	727.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4953	6360	1.284	4953	7780	1.57	79	212	2.69 J

Prepared by: Helen Sadik-Macdonald
 Div of Oil, Gas & Minerals

Phone: (801) 538-5357
 FAX: (801) 359-3940

Date: September 5, 2007
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8220 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

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)

August 9, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39473	NBU 1022-13K4S	Sec 13 T10S R22E 1739 FSL 1745 FWL
	BHL	Sec 13 T10S R22E 1925 FSL 2280 FWL
43-047-39474	NBU 1022-1313S	Sec 13 T10S R22E 1735 FSL 1764 FWL
	BHL	Sec 13 T10S R22E 1900 FSL 1225 FEL
43-047-39475	NBU 1022-1314S	Sec 13 T10S R22E 1724 FSL 1824 FWL
	BHL	Sec 13 T10S R22E 1360 FSL 0440 FEL
43-047-39476	NBU 1022-1301CS	Sec 13 T10S R22E 1747 FSL 1705 FWL
	BHL	Sec 13 T10S R22E 0775 FSL 1920 FEL
43-047-39477	NBU 1022-13J4S	Sec 13 T10S R22E 1728 FSL 1804 FWL
	BHL	Sec 13 T10S R22E 1760 FSL 1845 FEL
43-047-39478	NBU 1022-1301AS	Sec 13 T10S R22E 1731 FSL 1784 FWL
	BHL	Sec 13 T10S R22E 1310 FSL 1540 FEL
43-047-39479	NBU 1022-1302S	Sec 13 T10S R22E 1743 FSL 1725 FWL
	BHL	Sec 13 T10S R22E 1175 FSL 2055 FEL

43-047-39480	NBU 1022-1304S	Sec 13 T10S R22E 1750 FSL 1686 FWL
	BHL	Sec 13 T10S R22E 0460 FSL 1925 FEL
43-047-39481	NBU 1022-13K3S	Sec 13 T10S R22E 1610 FSL 1343 FWL
	BHL	Sec 13 T10S R22E 1370 FSL 1975 FWL
43-047-39482	NBU 1022-13M1S	Sec 13 T10S R22E 1538 FSL 1275 FWL
	BHL	Sec 13 T10S R22E 0930 FSL 0700 FWL
43-047-39483	NBU 1022-13M2AS	Sec 13 T10S R22E 1595 FSL 1329 FWL
	BHL	Sec 13 T10S R22E 1315 FSL 0600 FWL
43-047-39484	NBU 1022-13N1S	Sec 13 T10S R22E 1566 FSL 1302 FWL
	BHL	Sec 13 T10S R22E 0725 FSL 1990 FWL
43-047-39485	NBU 1022-13L3S	Sec 13 T10S R22E 1624 FSL 1356 FWL
	BHL	Sec 13 T10S R22E 1665 FSL 0590 FWL
43-047-39486	NBU 1022-13L4S	Sec 13 T10S R22E 1638 FSL 1370 FWL
	BHL	Sec 13 T10S R22E 1960 FSL 0690 FWL
43-047-39487	NBU 1022-13N2S	Sec 13 T10S R22E 1581 FSL 1316 FWL
	BHL	Sec 13 T10S R22E 1050 FSL 1975 FWL
43-047-39488	NBU 1022-13M2CS	Sec 13 T10S R22E 1552 FSL 1289 FWL
	BHL	Sec 13 T10S R22E 0750 FSL 0270 FWL
43-047-39489	NBU 1022-13K-3T	Sec 13 T10S R22E 1754 FSL 1666 FWL

Our records indicate the bottom hole location of the NBU 1022-1314S is closer than 460 feet from the Natural Buttes Unit boundary.

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:8-9-07

From: Ed Bonner
To: Mason, Diana
Date: 8/20/2007 3:07 PM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

Cabot Oil & Gas Corporation
McKenna 21-32 (API 43 037 31863)

Kerr McGee Oil & Gas Onshore LP
NBU 1022-13K4S (API 43 047 39473)
NBU 1022-13I3S (API 43 047 39474)
NBU 1022-13I4S (API 43 047 39475)
NBU 1022-13O1CS (API 43 047 39476)
NBU 1022-13J4S (API 43 047 39477)
NBU 1022-13O1AS (API 43 047 39478)
NBU 1022-13O2S (API 43 047 39479)
NBU 1022-13O4S (API 43 047 39480)
NBU 1022-13K3S (API 43 047 39481)
NBU 1023-13M1S (API 43 047 39482)
NBU 1022-13M2AS (API 43 047 39483)
NBU 1022-13N1S (API 43 047 39484)
NBU 1022-13L3S (API 43 047 39485)
NBU 1022-13L4S (API 43 047 39486)
NBU 1022-13N2S (API 43 047 39487)
NBU 1022-13M2SC (API 43 047 39488)
NBU 1022-13K-3T (API 43 047 39489)

Petro-Canada Resources (USA), Inc
State 16-41 (API 43 015 30721)
State 32-44 (API 43 015 30722)

Royale Energy, Inc
Vernal Equinox 2-2 (API 43 019 31552)

XTO Energy, Inc
State of Utah 16-8-31-13 (API 43 015 30719)
State of Utah 16-8-31-33D (API 43 015 30718)

If you have any questions regarding this matter please give me a call.



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

September 11, 2007

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

Re: NBU 1022-13M2AS Well, 1595' FSL, 1329' FWL, NE SW, Sec. 13, T. 10 South, R. 22 East, Bottom Location 1315' FSL, 600' FWL, SW SW, Sec.13, 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 43-047-39483.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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



Operator: Kerr McGee Oil & Gas Onshore LP
Well Name & Number NBU 1022-13M2AS
API Number: 43-047-39483
Lease: STUO-08512-ST

Location: NE SW **Sec.** 13 **T.** 10 South **R.** 22 East
Bottom Location: SW SW **Sec.** 13 **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

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- 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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
7. 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.
8. Surface casing shall be cemented to the surface.

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
4304739483	NBU 1022-13M2AS	NESW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	10/29/2007		<i>10/31/07</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 10/29/2007 AT 0800 HRS. <i>BHL = NESW</i>						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739484	NBU 1022-13N1S	NESW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	10/29/2007		<i>10/31/07</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 10/29/2007 AT 1330 HRS. <i>BHL = SESW</i>						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739488	NBU 1022-13M2CS	NWSW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	10/29/2007		<i>10/31/07</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 10/29/2007 AT 1900 HRS <i>BHL = SWSW</i>						

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST 10/30/2007

Title

Date

RECEIVED
OCT 30 2007

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
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:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP			8. WELL NAME and NUMBER: NBU 1022-13M2AS
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-7024	9. API NUMBER: 4304739483
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1595'FSL, 1329'FWL			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E			COUNTY: UINTAH
			STATE: UTAH

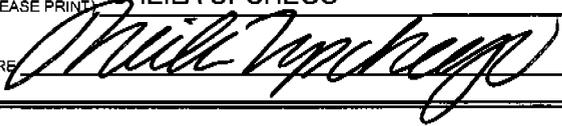
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>WELL SPUD</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

SPUD WELL LOCATION ON 10/29/2007 AT 0800 HRS.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE 	DATE <u>10/30/2007</u>

(This space for State use only)

RECEIVED
NOV 01 2007
DIV. OF OIL, GAS & MINING

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.

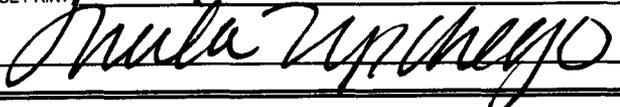
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1595'FSL, 1329'FWL		8. WELL NAME and NUMBER: NBU 1022-13M2AS
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		9. API NUMBER: 4304739483
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
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 (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>SET SURFACE CSG</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

MIRU BILL MARTIN AIR RIG ON 11/03/2007. DRILLED 12 1/4" SURFACE HOLE TO 2160'. RAN 9 5/8" 42 JTS OF 32.3# H-40 AND 12 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/300 SX PREM CLASS G @15.8 PPG 1.15 YIELD. TAILED CMT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT. TOP OUT W/725 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 11/12/2007

(This space for State use only)

RECEIVED
NOV 20 2007

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
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:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		8. WELL NAME and NUMBER: NBU 1022-13M2AS
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304739483
PHONE NUMBER: (435) 781-7024		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1595'FSL, 1329'FWL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: FINAL DRILLING OPERATIONS
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

FINISHED DRILLING FROM 2160' TO 8402' ON 01/24/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/355 SX PREM LITE II @11.4 PPG 2.91 YIELD. TAILED CMT W/1260 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/129.9 BBLs CLAY TREAT WATER BUMP PLUG @3050 PSI (500 OVER CIRC PSI) 1.5 BACK TO TRUCK W/40 BBLs GOOD CMT TO PIT GOOD RETURNS THROUGH OUT JOB. SET SLIPS W/100,000# N/D P/U STACK MAKE ROUGH CUT & LAYOUT SAME. CLEAN PITS.

RELEASED PIONEER RIG 54 ON 01/26/2008 AT 1800 HRS.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE	DATE <u>1/28/2008</u>

(This space for State use only)

RECEIVED
FEB 05 2008
DIV. OF OIL, GAS & MINING

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.

- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: Kerr-McGee Oil & Gas Onshore, LP Today's Date: 04/21/2008

Well: 43 047 39483 API Number: _____ Drilling Commenced: _____
NBU 1022-13M2AS
10S 22E 13

List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please contact Rachel Medina
at (801) 538-5260.

cc: Well File
Compliance File

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

ATTACHMENT

Operator: Kerr-McGee Oil & Gas Onshore, LP

Today's Date: 04/21/2008

Well:	API Number:	Drilling Commenced:
NBU 1022-13L3S	4304739485	10/26/2007
NBU 1022-13L4S	4304739486	10/26/2007
NBU 1022-13K3S	4304739481	10/27/2007
NBU 1022-13N2S	4304739487	10/27/2007
NBU 1022-13M2AS	4304739483	10/29/2007
NBU 1022-13N1S	4304739484	10/29/2007
NBU 1022-13M2CS	4304739488	10/29/2007
NBU 1022-13M1S	4304739482	10/30/2007
NBU 1021-1G	4304739001	11/01/2007
NBU 102213O4S	4304739480	11/12/2007
NBU 1022-13K-3T	4304739489	11/12/2007
NBU 1022-13O1CS	4304739476	11/13/2007
NBU 1022-13I4S	4304739475	11/15/2007
NBU 1022-13J4S	4304739477	11/15/2007

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: STUO-08512-ST
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
			7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: NBU 1022-13M2AS
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP			9. API NUMBER: 4304739483
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL			
FOOTAGES AT SURFACE: 1595'FSL, 1329'FWL		COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		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 (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>PRODUCTION START-UP</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 05/09/2008 AT 5:00 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE	DATE 5/12/2008

(This space for State use only)

RECEIVED
MAY 14 2008

Wins No.: 95385

NBU 1022-13M2AS

Well Operations Summary Long

Operator KERR-MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 10/29/2007	GL 5,287	KB 5306	ROUTE
API 4304739483	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 39.94603 / -109.39287		Q-Q/Sect/Town/Range: 113 / 10S / 22E	Footages: 1,595.00' FSL 1,329.00' FWL		

Wellbore: NBU 1022-13M2AS

MTD 8,353	TVD 8,349	PBMD	PBTVD
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EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	START DATE: 10/29/2007
	OBJECTIVE: DEVELOPMENT	END DATE: 1/26/2008
	OBJECTIVE 2: DIRECTIONAL WELL	DATE WELL STARTED PROD.:
	REASON: MV - WHR PAD#2	Event End Status: SUSPENDED

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
BILL JRS RATHOLE DRILLIN	11/03/2007	11/03/2007	11/03/2007	11/03/2007	11/09/2007	11/09/2007	11/09/2007

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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10/29/2007

SUPERVISOR: LEW WELDON

0:00 - 8:00	8.00	DRLCON	12	F	P	WAIT ON PETE MARTIN BUCKET RIG
8:00 - 13:00	5.00	DRLCON	02	A	P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0800 HR 10/29/07 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 54 BLM AND STATE NOTFIED OF SPUD
13:00 - 0:00	11.00	DRLCON	12	F	P	WOAR

11/3/2007

SUPERVISOR: LEW WELDON

6:00 - 9:30	3.50		12	F		WAIT ON BILL JR AIR RIG
9:30 - 18:00	8.50		02	A		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0930 HR 11/3/07 DA AT REPORT TIME
18:00 - 0:00	6.00		12	E		HAMMER FAILED TOOH AND WAIT ON NEW HAMMER

11/4/2007

SUPERVISOR: LEW WELDON

11/6/2007

SUPERVISOR: LEW WELDON

0:00 - 4:30	4.50	DRLSUR	12	F	P	WAIT ON BILL JR AIR RIG
4:30 - 6:00	1.50	DRLSUR	02	A	P	MOVE ON AND RIG UP AND TRIP IN HOLE TO 930' SPUD @ 0430 HR 11/6/07 DA AT REPORT TIME

Wins No.: 95385

NBU 1022-13M2AS

API No.: 4304739483

22:00 - 0:00 2.00 DRLSUR 15 A P 5TH TOP JOB 175 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE NO VISIBLE LEAKS WORT

1/16/2008

SUPERVISOR: STUART NEILSON / RON SJOSTROM

0:00 - 18:00 18.00 DRLPRO 01 C P SKID RIG, RURT

18:00 - 21:00 3.00 DRLPRO 13 A P NUU BOP

21:00 - 0:00 3.00 DRLPRO 13 C P TEST BOP, TEST RAMS & ALL VALVES 250 LOW - 5000 HIGH, ANN 250 LOW 2500 HIGH, CASING 1500 F1 30 MIN

1/17/2008

SUPERVISOR: STUART NEILSON / RON SJOSTROM

0:00 - 1:30 1.50 DRLPRO 13 C P TEST BOP

1:30 - 9:00 7.50 DRLPRO 05 A P SET WEAR BUSHING, TIH W HWDP & MAG TEST

9:00 - 10:00 1.00 DRLPRO 07 A Z RETIGHTEN DOG NUT ON DRLG LINE, ADJUST BRAKES

10:00 - 12:30 2.50 DRLPRO 05 A P TIH 9 STDS D1P, INSTALL ROT RUBBER, CENTER STACK

12:30 - 15:00 2.50 DRLPRO 02 F P DRLG CEMENT & FIE SPUD WELL @ 15:00 1/17/08

15:00 - 0:00 9.00 DRLPRO 02 D P DRLG \ SLIDE F1 2179 TO 2663 TVD 2661' 484' @ 53.7' PH W 8.9 PPG

1/18/2008

SUPERVISOR: STUART NEILSON / RON SJOSTROM

0:00 - 15:00 15.00 DRLPRO 02 D P DRLG \ SLIDE F2663 TO 3327 664' @ 44.26' PH W 9.2 PPG

15:00 - 15:30 0.50 DRLPRO 06 A P SERVICE RIG

15:30 - 0:00 8.50 DRLPRO 02 D P DRLG \ SLIDE F1 3327 TO 3735 408' @ 48' PH W 9.2 PPG

1/19/2008

SUPERVISOR: STUART NEILSON / RON SJOSTROM

0:00 - 10:00 10.00 DRLPRO 02 D P DRLG & SLIDE F1 3735 TO 4192 457' @ 45.7' PH W 9.5 PPG

10:00 - 10:30 0.50 DRLPRO 06 A P SERVICE RIG

10:30 - 0:00 13.50 DRLPRO 02 D P DRL & SLIDE F1 4192 TO 4700 508' @ 37.6' PH W 9.6 PPG

Wins No.: 95385 NBU 1022-13M2AS API No.: 4304739483

10:30 - 0:00 13.50 DRLPRO 02 D P DRL & SLIDE FV 4192 TO 4700 508' @ 37.6' PH W 9.6 PPG

1/20/2008

SUPERVISOR: STUART NEILSON / RON SJOSTROM

0:00 - 14:00 14.00 DRLPRO 02 D P DRLG & SLIDE FV 4700 TO 5223 523' @ 37.4' PH W 9.7 PPG

14:00 - 14:30 0.50 DRLPRO 06 A P SERVICE RIG

14:30 - 0:00 9.50 DRLPRO 02 D P DRLG & SLIDE FV 5223 TO 5571 348' @ 36.6' PH W 9.8 PPG

1/21/2008

SUPERVISOR: STUART NEILSON / RON SJOSTROM

0:00 - 15:30 15.50 DRLPRO 02 D P DRLG VS FV 5571 TO 6203 632' @ 40.7' PH W 9.9 PPG

15:30 - 16:00 0.50 DRLPRO 06 A P SERVICE RIG

16:00 - 0:00 8.00 DRLPRO 02 B P DRLG VS FV 6203 TO 6538 335' @ 41.9' PH W 10 PPG

1/22/2008

SUPERVISOR: STUART NEILSON / RON SJOSTROM

0:00 - 14:00 14.00 DRLPRO 02 B P DRLG FV 6538 TO 7151 613' @ 43.8' PH W 10.0 PPG

14:00 - 14:30 0.50 DRLPRO 06 A P SERVICE RIG

14:30 - 0:00 9.50 DRLPRO 02 B P DRLG FV 7151 TO 7580 429' @ 45.2' PH W 10.9 PPG

1/23/2008

SUPERVISOR: STUART NEILSON / TIM OXNER

0:00 - 9:00 9.00 DRLPRO 02 B P DRLG FV 7580 TO 7879 299' @ 33.2' PH W 11.7 PPG

9:00 - 11:00 2.00 DRLPRO 04 A P CIRC & COND MUD BOTTOMS UP CIRC OUT GAS, MIX PILL

11:00 - 21:30 10.50 DRLPRO 05 A P TFNB, LID DIR TOOLS, PU NEW BIT & XPULSE TOOLS, TIH

21:30 - 0:00 2.50 DRLPRO 02 B P DRLG FV 7879 TO 7975 96' @ 38.4' PH

1/24/2008

SUPERVISOR: STUART NEILSON / TIM OXNER

0:00 - 13:00 13.00 DRLPRO 02 B P DRLG FV 7975 TO TD @ MD 8402 TVD 8280 427' @ 32.8' PH W 12.2 PPG

13:00 - 15:00 2.00 DRLPRO 04 C P CIRC & COND HOLE FV SHORT TRIP

Wins No.: 95385

NBU 1022-13M2AS

API No.: 4304739483

13:00 - 15:00	2.00	DRLPRO	04	C	P	CIRC & COND HOLE FV SHORT TRIP
15:00 - 19:30	4.50	DRLPRO	05	E	P	SHORT TRIP 51 STDS TO TOP OF WASATCH
19:30 - 22:30	3.00	DRLPRO	04	C	P	CIRC & COND HOLE FV LOGS
22:30 - 0:00	1.50	DRLPRO	05	B	P	POOH FV LOGS

1/25/2008

SUPERVISOR: STUART NEILSON / TIM OXNER

0:00 - 3:00	3.00	DRLPRO	05	F	P	POOH FV LOGS
3:00 - 9:00	6.00	DRLPRO	10	C	P	HPJSM WA RIG & LOGGING CREWS, RIU & RUN OPEN HOLE LOGS TO MD 8393' TVD 8271' RID
9:00 - 13:30	4.50	DRLPRO	05	E	P	TIH
13:30 - 15:00	1.50	DRLPRO	04	A	P	CIRC & COND HOLE
15:00 - 21:30	6.50	DRLPRO	05	D	P	HPJSM WA RIG & LID CREWS, RIU & STAND BACK 10 STDS DVP, LDDP, STAND BACK HWDP, PULL WEAR BUSHING
21:30 - 0:00	2.50	DRLPRO	11	B	P	HJPSM WA RIG & CASING CREW, RIG UP & RUN 8402' 4 1/2" PROD CASING

1/26/2008

SUPERVISOR: STUART NEILSON / TIM OXNER

0:00 - 6:00	6.00	DRLPRO	11	B	P	RUN 4 1/2" PROD CASING
6:00 - 8:00	2.00	DRLPRO	04	E	P	CIRC CASING, WASH 10' TO BOTTOM
8:00 - 12:00	4.00	DRLPRO	15	A	P	HPJSM WA RIG & CEMENT CREWS, RIU & TEST LINES & POP-OFF TO 4000 PSI, PUMP 20 BBLs MUD CLEAN, SCAV 20 SKS 9.5 PPG YLD 8.45, LEAD 355 SKS 11.4 PPG YLD 2.91, TAIL 1260 SKS 14.3 PPG YLD 1.31, DROP PLUG & DISPLACE W 129.9 BBLs CLAY TREAT WATER, BUMP PLUG @ 3050 PSI (500 OVER CIRC PSI), 1.5 BBLs BACK TO TRUCK W 40 BBLs GOOD CEMENT TO PIT, GOOD RETURNS THOUGH OUT JOB
12:00 - 14:00	2.00	DRLPRO	13	A	P	SET SLIPS W 100,000, N/D, PIU STACK MAKE ROUGH CUT & LAYOUT SAME
14:00 - 18:00	4.00	DRLPRO	01	E	P	CLEAN PITS, WINTERIZE RIG, RELEASE RIG @ 18:00 HRS 1/26/08
18:00 - 0:00	6.00	DRLPRO	01	E	P	RDRT

Wins No.: 95385 **NBU 1022-13M2AS** **API No.: 4304739483**

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 4/1/2008
 OBJECTIVE: CONSTRUCTION END DATE:
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: SURF FACILITIES Event End Status:

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

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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SUPERVISOR: STUART NEILSON / TIM OXNER

7:30 - 18:00 10.50 COMP 36 B P

PRIME UP PUMPS & LINES. PRESSURE TEST SURFACE LINES TO 8,500 PSI.

STG 1) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING,
 PERFORATE 8,250' - 57' 4 SPF, 8,194' - 97' 4 SPF, 40 HOLES.
 WHP 0 PSI, BRK @ 4,661 PSI @ 2.9 BPM, ISIP 2,680 PSI, FG .77.
 PUMP 100 BBLS @ 50.1 BPM @ 4,750 PSI = 40 OF 40 HOLES OPEN 100%.
 MP 6,555 PSI, MR 50.3 BPM, AP 4,657 PSI, AR 49.5 BPM, ISIP 2,523 PSI, FG .75, NPI -157.
 PMP 743 BBLS OF SW & 16,926 LBS OF 30/50 SAND & 4,773 LBS OF 20/40 RESIN SAND. TOTAL PROP 21,699 LBS.

STG 2) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
 SET CBP @ 8,002' PERFORATE 7,968" - 72' 4 SPF, 7,906' - 10' 4 SPF, 7,837' - 40' 3 SPF, 41 HOLES.
 WHP 2,220 PSI, BRK @ 2,607 PSI @ 2.9 BPM, ISIP 2,366 PSI, FG .74.
 PUMP 100 BBLS @ 50 BPM @ 4,900 PSI = 29 OF 41 HOLES OPEN 72%.
 MP 5,492 PSI, MR 50 BPM, AP 4,561 PSI, AR 51.5 BPM, ISIP 2,361 PSI, FG .79, NPI 364.
 PMP 2,626 BBLS OF SW & 90,800 LBS OF 30/50 SAND & 4,800 LBS OF 20/40 RESIN SAND. TOTAL PROP 95,600 LBS.

STG 3) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
 SET CBP @ 7,763' PERFORATE 7,729" - 33' 4 SPF, 7,653' - 59' 4 SPF, 40 HOLES.
 WHP 2,375 PSI, BRK @ 3,535 PSI @ 2.5 BPM, ISIP 2,447 PSI, FG .76.
 PUMP 100 BBLS @ 49.2 BPM @ 5,700 PSI = 25 OF 40 HOLES OPEN 62%.
 MP 7,340 PSI, MR 50.8 BPM, AP 4,862 PSI, AR 49.3 BPM, ISIP 2,672 PSI, FG .79, NPI 225.
 PMP 1,148 BBLS OF SW & 34,760 LBS OF 30/50 SAND & 4,800 LBS OF 20/40 RESIN SAND. TOTAL PROP 39,560 LBS.

STG 4) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
 SET CBP @ 7,552' PERFORATE 7,516' - 22' 4 SPF, 7,478' - 82' 4 SPF, 40 HOLES.
 WHP 2,385 PSI, BRK @ 3,882 PSI @ 2.5 BPM, ISIP 2,408 PSI, FG .76.
 PUMP 100 BBLS @ 49.8 BPM @ 4,700 PSI = 35 OF 40 HOLES OPEN 87%.
 MP 5,621 PSI, MR 50 BPM, AP 4,656 PSI, AR 49.8 BPM, ISIP 2,182 PSI, FG .73, NPI 226.
 PMP 639 BBLS OF SW & 14,274 LBS OF 30/50 SAND & 4,800 LBS OF 20/40 RESIN SAND. TOTAL PROP 19,074 LBS.

STG 5) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
 SET CBP @ 7,373' PERFORATE 7,338' - 43' 4 SPF, 7,276' - 80' 3 SPF, 7,223' - 26' 41 HOLES.
 WHP 2,231 PSI, BRK @ 3,318 PSI @ 2.6 BPM, ISIP 2,323 PSI, FG .76.
 PUMP 100 BBLS @ 50.2 BPM @ 4,300 PSI = 41 OF 41 HOLES OPEN 100%.
 MP 5,742 PSI, MR 50.5 BPM, AP 4,199 PSI, AR 50.2 BPM, ISIP 2,341 PSI, FG .76, NPI 18.
 PMP 1,834 BBLS OF SW & 61,031 LBS OF 30/50 SAND & 4,800 LBS OF 20/40 RESIN SAND. TOTAL PROP 65,831 LBS.

STG 6) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
 SET CBP @ 7,112' PERFORATE 7,076' - 82' 4 SPF, 7,044' - 48' 4 SPF, 40 HOLES.
 WHP 2,200 PSI, BRK @ 5,211 PSI @ 2.6 BPM, ISIP 2,509 PSI, FG .80.
 PUMP 100 BBLS @ 50 BPM @ 4,500 PSI = 38 OF 40 HOLES OPEN 96%.
 MP 5,231 PSI, MR 50.3 BPM, AP 4,459 PSI, AR 50.1 BPM, ISIP 2,529 PSI, FG .80, NPI 20.
 PMP 1,181 BBLS OF SW & 35,883 LBS OF 30/50 SAND & 4,800 LBS

OF 20/40 RESIN SAND. TOTAL PROP 40,683 LBS.
SWI SDFN

4/29/2008

SUPERVISOR: DOUG CHIVERS

7:00 - 7:30 0.50 COMP 48 P HSM. FRACING & PERFORATING
7:30 - 14:00 6.50 COMP 36 B P STG 7) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
SET CBP @ 6,938' PERFORATE 6,902' - 08' 4 SPF, 6,852' - 56' 4 SPF, 40 HOLES.
WHP 1,313 PSI, BRK @ 3,577 PSI @ 2.8 BPM, ISIP 2,272 PSI, FG .77.
PUMP 100 BBLs @ 52 BPM @ 4,400 PSI = 35 OF 40 HOLES OPEN 88%.
MP 5,421 PSI, MR 52.1 BPM, AP 4,222 PSI, AR 50.7 BPM, ISIP 2,568 PSI, FG .81, NPI 296.
PMP 1,744 BBLs OF SW & 61,643 LBS OF 30/50 SAND & 4,800 LBS OF 20/40 RESIN SAND. TOTAL PROP 66,443 LBS.

STG 8) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
SET CBP @ 6,676' PERFORATE 6,636' - 46' 4 SPF, 40 HOLES.
WHP 2,120 PSI, BRK @ 2,260 PSI @ 3.3 BPM, ISIP 2,330 PSI, FG .76.
PUMP 100 BBLs @ 51.7 BPM @ 4,100 PSI = 40 OF 40 HOLES OPEN 100%.
MP 4,580 PSI, MR 52.1 BPM, AP 3,941 PSI, AR 51.7 BPM, ISIP 2,330 PSI, FG .79, NPI 219.
PMP 937 BBLs OF SW & 26,975 LBS OF 30/50 SAND & 4,800 LBS OF 20/40 RESIN SAND. TOTAL PROP 31,775 LBS.

STG 9) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
SET CBP @ 6,556' PERFORATE 6,519' - 26' 4 SPF, 6,430' - 33' 4 SPF, 40 HOLES.
WHP 1,930 PSI, BRK @ 2,242 PSI @ 2.9 BPM, ISIP 1,973 PSI, FG .74.
PUMP 100 BBLs @ 52 BPM @ 3,900 PSI = 40 OF 40 HOLES OPEN 100%.
MP 4,761 PSI, MR 52.4 BPM, AP 3,629 PSI, AR 51.8 BPM, ISIP 2,139 PSI, FG .77, NPI 166.
PMP 2,475 BBLs OF SW & 97,255 LBS OF 30/50 SAND & 4,800 LBS OF 20/40 RESIN SAND. TOTAL PROP 102,055 LBS.

STG 10) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING, PU 4 1/2" 8K BAKER CBP.
SET CBP @ 6,6368' PERFORATE 6,324' - 38' 3 SPF, 42 HOLES.
WHP 1,830 PSI, BRK @ 2,186 PSI @ 2.1 BPM, ISIP 1,844 PSI, FG .73.
PUMP 100 BBLs @ 51.9 BPM @ 4,500 PSI = 33 OF 42 HOLES OPEN 79%.
MP 4,784 PSI, MR 52.2 BPM, AP 3,946 PSI, AR 51.9 BPM, ISIP 2,156 PSI, FG .78, NPI 312.
PMP 688 BBLs OF SW & 21,490 LBS OF 30/50 SAND & 6,332 LBS OF 20/40 RESIN SAND. TOTAL PROP 27,822 LBS.

KILL PLG) PU RIH W/ 4 1/2" WEATHERFORD CONVERTABLE CBP & SET @ 6,050'.
ND FRAC VALVES NU WELL HEAD. PUMP UP TO 4,500 PSI CONVERT CBP.
WELL STIM COMPLETE

4/30/2008

SUPERVISOR: MARK BONNIE

7:00 - 33 A 7 AM REPORT: CP 650#, TP 675#, CK 20/64", 50 BWPH, TRACE SAND, LIGHT GAS
TTL BBLs RECOVERED: 650
BBLs LEFT TO RECOVER: 13,365

5/1/2008

SUPERVISOR: MARK BONNIE

7:00 - 33 A 7 AM REPORT: CP 100#, TP N/A, OPEN CK, 20 BWPH, TRACE SAND, LIGHT GAS
TTL BBLs RECOVERED: 1400
BBLs LEFT TO RECOVER: 12,615

Wins No.: 95385

NBU 1022-13M2AS

API No.: 4304739483

5/2/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM REPORT: CP 50#, TP N/A, OPEN CK, 20 BWPH, TRACE SAND, MEDIUM GAS
TTL BBLs RECOVERED: 1880
BBLs LEFT TO RECOVER: 12,135

5/3/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM REPORT: CP 125#, TP N/A, OPEN CK, 10 BWPH, TRACE SAND, MEDIUM GAS
TTL BBLs RECOVERED: 2120
BBLs LEFT TO RECOVER: 11,895

5/4/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM REPORT: CP 50#, TP N/A, OPEN CK, 10 BWPH, TRACE SAND, MEDIUM GAS
TTL BBLs RECOVERED: 2360
BBLs LEFT TO RECOVER: 11,655

5/5/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM REPORT: CP 125#, TP N/A, OPEN CK
TTL BBLs RECOVERED: 2360
BBLs LEFT TO RECOVER: 11,655

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

AMENDED REPORT FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
STUO-08512-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

7. UNIT or CA AGREEMENT NAME
UNIT #891008900A

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

8. WELL NAME and NUMBER:
NBU 1022-13M2AS

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE LP

9. API NUMBER:
4304739483

3. ADDRESS OF OPERATOR:
1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

10 FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **1595'FSL, 1329'FWL**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 13 10S 22E

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH: **1315'FSL, 600'FWL (SW/SW) 1265 fsl 595 fwl** *per D&D review*

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPUNDED: **10/29/2007** 15. DATE T.D. REACHED: **1/24/2008** 16. DATE COMPLETED: **5/9/2008** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5278'GL

18. TOTAL DEPTH: MD **8,402**
TVD **8,280**

19. PLUG BACK T.D.: MD **8,356**
TVD **8,234**

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL-CCL-GR

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	32.3# 36#		2,160		1175			
7 7/8"	4 1/2 I-80	11.6#		8,402		1615			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7,581							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	6,324	8,257		
(B) <i>WSMVD</i>				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
6,324 8,257	0.36	404	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6324'-8257'	PMP 14,015 BBLS SLICK H2O & 510,542# 30/50 SD

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: **RECEIVED**

30. WELL STATUS:

PROD

JUN 09 2008

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/9/2008		TEST DATE: 5/25/2008		HOURS TESTED: 15		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,725	WATER - BBL: 302	PROD. METHOD: FLOWING
CHOKE SIZE: 22/64	TBG. PRESS. 1,140	CSG. PRESS. 1,940	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,725	WATER - BBL: 302	INTERVAL STATUS: PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,070 6,308	6,308			

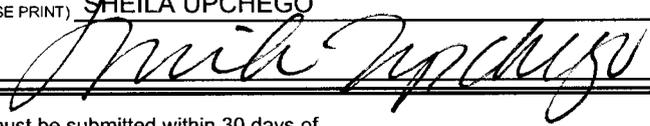
35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE



DATE 6/3/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
Fax: 801-359-3940

NBU 1022-13M2AS

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TRUE Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
0	0	0	0	0	0	0	0	0	0 Surf Gyro
100	0.25	271.48	100	0.01	-0.22	0.01	0.22	271.48	0.25 Surf Gyro
200	0.25	221.4	200	-0.15	-0.58	-0.15	0.6	255.29	0.21 Surf Gyro
300	0.25	265.31	300	-0.33	-0.94	-0.33	1	250.49	0.19 Surf Gyro
400	0.25	234.22	400	-0.48	-1.34	-0.48	1.42	250.27	0.13 Surf Gyro
500	0	0	500	-0.61	-1.51	-0.61	1.63	248.15	0.25 Surf Gyro
600	0	0	600	-0.61	-1.51	-0.61	1.63	248.15	0 Surf Gyro
700	0	0	700	-0.61	-1.51	-0.61	1.63	248.15	0 Surf Gyro
800	0	0	800	-0.61	-1.51	-0.61	1.63	248.15	0 Surf Gyro
900	0	0	900	-0.61	-1.51	-0.61	1.63	248.15	0 Surf Gyro
1000	0.25	61.69	1000	-0.5	-1.32	-0.5	1.41	249.15	0.25 Surf Gyro
1100	0.75	63.6	1099.99	-0.11	-0.54	-0.11	0.55	258.67	0.5 Surf Gyro
1200	0.75	46.51	1199.98	0.63	0.52	0.63	0.82	39.31	0.22 Surf Gyro
1300	0.75	339.42	1299.98	1.7	0.76	1.7	1.86	24.21	0.83 Surf Gyro
1400	0.5	323.33	1399.97	2.66	0.27	2.66	2.67	5.84	0.3 Surf Gyro
1500	0.75	315.25	1499.97	3.47	-0.45	3.47	3.5	352.63	0.26 Surf Gyro
1600	0.75	249.72	1599.96	3.71	-1.52	3.71	4.01	337.67	0.81 Surf Gyro
1700	0.75	231.63	1699.95	3.08	-2.65	3.08	4.06	319.26	0.24 Surf Gyro
1800	1	217.54	1799.94	1.98	-3.7	1.98	4.19	298.18	0.33 Surf Gyro
1900	0.75	187.45	1899.93	0.64	-4.31	0.64	4.36	278.43	0.51 Surf Gyro

Last Survey Depth Recorded 1978 1 191.36 1977.92 -0.53 -4.51 -0.53 4.54 263.24 0.33 Surf Gyro

MD	Inc	Azi	TVD	N/S	E/W	Vs	Dleg	Build	Turn
2,197	1.06	177.65	2,196.97	-4.432	-4.806	6.13	0.116	0.027	-6.26 MWD
2,197	1.06	177.65	2,196.89	-4.428	-4.803	6.134	0.116	0.027	-6.26 MWD
2,260	1.25	219.77	2,259.87	-5.538	-5.219	6.938	1.347	0.302	66.857 MWD
2,323	2.25	233.27	2,322.84	-6.806	-6.65	8.744	1.706	1.587	21.429 MWD
2,387	3.31	238.4	2,386.77	-8.525	-9.23	11.786	1.7	1.656	8.016 MWD
2,450	4.63	241.4	2,449.62	-10.696	-13.012	16.11	2.12	2.095	4.762 MWD
2,513	6.06	244.9	2,512.34	-13.324	-18.256	21.96	2.327	2.27	5.556 MWD
2,576	6.88	247.65	2,574.94	-16.169	-24.758	29.055	1.391	1.302	4.365 MWD
2,639	8.31	248.65	2,637.38	-19.262	-32.488	37.381	2.279	2.27	1.587 MWD
2,702	9.13	246.77	2,699.66	-22.891	-41.322	46.931	1.378	1.302	-2.984 MWD
2,766	10.38	246.27	2,762.73	-27.214	-51.266	57.772	1.958	1.953	-0.781 MWD
2,829	11.25	244.52	2,824.61	-32.142	-62.01	69.583	1.476	1.381	-2.778 MWD
2,892	12.44	242.77	2,886.27	-37.89	-73.592	82.483	1.973	1.889	-2.778 MWD
2,956	14.25	242.65	2,948.54	-44.664	-86.718	97.201	2.828	2.828	-0.188 MWD
3,019	15.56	244.52	3,009.42	-51.862	-101.234	113.365	2.215	2.079	2.968 MWD
3,082	16.56	243.27	3,069.96	-59.535	-116.881	130.756	1.679	1.587	-1.984 MWD
3,145	17.31	241.65	3,130.22	-68.024	-133.149	149.033	1.406	1.19	-2.571 MWD
3,208	18.44	240.9	3,190.18	-77.321	-150.104	168.253	1.83	1.794	-1.19 MWD
3,272	18.75	238.9	3,250.84	-87.557	-167.756	188.475	1.108	0.484	-3.125 MWD
3,335	18.94	241.27	3,310.47	-97.702	-185.392	208.648	1.252	0.302	3.762 MWD
3,398	20	242.4	3,369.86	-107.608	-203.906	229.541	1.786	1.683	1.794 MWD
3,461	20.19	248.02	3,429.03	-116.669	-223.537	251.145	3.079	0.302	8.921 MWD
3,525	21.5	249.77	3,488.84	-124.859	-244.784	273.909	2.266	2.047	2.734 MWD
3,588	21.25	253.27	3,547.51	-132.138	-266.551	296.807	2.063	-0.397	5.556 MWD
3,651	20.5	253.77	3,606.38	-138.507	-288.077	319.134	1.224	-1.19	0.794 MWD
3,714	21.5	254.27	3,665.19	-144.721	-309.782	341.567	1.613	1.587	0.794 MWD
3,777	22.5	255.02	3,723.60	-150.967	-332.54	364.986	1.649	1.587	1.19 MWD

3,840	22.38	254.02	3,781.83	-157.384	-355.715	388.856	0.635	-0.19	-1.587 MWD
3,903	22.56	252.9	3,840.05	-164.24	-378.796	412.806	0.737	0.286	-1.778 MWD
3,967	22.5	251.27	3,899.17	-171.782	-402.127	437.25	0.98	-0.094	-2.547 MWD
4,030	21.44	251.9	3,957.59	-179.23	-424.488	460.761	1.724	-1.683	1 MWD
4,093	21.81	252.15	4,016.16	-186.395	-446.573	483.908	0.605	0.587	0.397 MWD
4,156	22.69	251.65	4,074.46	-193.808	-469.246	507.694	1.429	1.397	-0.794 MWD
4,219	21.63	251.15	4,132.81	-201.385	-491.768	531.403	1.709	-1.683	-0.794 MWD
4,283	20.69	250.9	4,192.49	-208.895	-513.615	554.463	1.475	-1.469	-0.391 MWD
4,346	20.31	250.9	4,251.50	-216.115	-534.464	576.488	0.603	-0.603	0 MWD
4,409	19.69	251.65	4,310.70	-223.034	-554.869	597.99	1.065	-0.984	1.19 MWD
4,472	18.44	253.77	4,370.25	-229.16	-574.511	618.483	2.268	-1.984	3.365 MWD
4,535	17.31	254.77	4,430.21	-234.407	-593.121	637.687	1.859	-1.794	1.587 MWD
4,598	16.06	254.15	4,490.55	-239.25	-610.549	655.643	2.004	-1.984	-0.984 MWD
4,662	15.44	253.9	4,552.15	-244.03	-627.25	672.905	0.975	-0.969	-0.391 MWD
4,725	14.38	255.65	4,613.03	-248.295	-642.887	688.985	1.828	-1.683	2.778 MWD
4,788	13.13	256.15	4,674.22	-251.947	-657.414	703.806	1.993	-1.984	0.794 MWD
4,851	12.06	255.4	4,735.70	-255.319	-670.731	717.402	1.718	-1.698	-1.19 MWD
4,914	11.56	254.65	4,797.37	-258.649	-683.187	730.186	0.83	-0.794	-1.19 MWD
4,977	10.38	255.65	4,859.22	-261.727	-694.773	742.07	1.897	-1.873	1.587 MWD
5,041	9.63	256.77	4,922.24	-264.381	-705.57	753.062	1.211	-1.172	1.75 MWD
5,104	8.25	259.27	4,984.48	-266.428	-715.141	762.69	2.275	-2.19	3.968 MWD
5,168	7.25	260.77	5,047.89	-267.931	-723.639	771.118	1.594	-1.563	2.344 MWD
5,231	5.94	263.15	5,110.47	-268.957	-730.8	778.129	2.124	-2.079	3.778 MWD
5,294	4.94	265.02	5,173.19	-269.582	-736.739	783.856	1.612	-1.587	2.968 MWD
5,357	4.13	261.9	5,235.99	-270.137	-741.687	788.642	1.344	-1.286	-4.952 MWD
5,421	3	262.02	5,299.87	-270.694	-745.627	792.496	1.766	-1.766	0.188 MWD
5,484	1.94	249.02	5,362.81	-271.305	-748.256	795.159	1.893	-1.683	-20.635 MWD
5,547	0.94	234.77	5,425.79	-271.985	-749.674	796.729	1.674	-1.587	-22.619 MWD
5,642	0.69	203.9	5,520.78	-272.957	-750.542	797.903	0.522	-0.263	-32.495 MWD
5,737	0.63	190.52	5,615.77	-273.994	-750.869	798.601	0.174	-0.063	-14.084 MWD
5,832	0.94	176.9	5,710.76	-275.285	-750.922	799.143	0.379	0.326	-14.337 MWD
5,927	0.88	168.52	5,805.75	-276.778	-750.735	799.54	0.153	-0.063	-8.821 MWD
6,022	0.94	171.15	5,900.74	-278.263	-750.47	799.861	0.077	0.063	2.768 MWD
6,116	1.06	173.15	5,994.72	-279.888	-750.247	800.276	0.133	0.128	2.128 MWD
6,211	0.94	175.4	6,089.71	-281.538	-750.08	800.751	0.133	-0.126	2.368 MWD
6,306	1	179.52	6,184.70	-283.143	-750.011	801.3	0.097	0.063	4.337 MWD
6,401	1.19	167.77	6,279.68	-284.936	-749.795	801.785	0.309	0.2	-12.368 MWD
6,496	1.13	165.77	6,374.66	-286.808	-749.356	802.093	0.076	-0.063	-2.105 MWD
6,591	1.25	172.27	6,469.64	-288.743	-748.986	802.49	0.19	0.126	6.842 MWD
6,685	1.56	171.15	6,563.61	-291.024	-748.651	803.051	0.331	0.33	-1.191 MWD
6,780	1.69	178.65	6,658.57	-293.702	-748.419	803.859	0.262	0.137	7.895 MWD
6,875	1.69	176.4	6,753.53	-296.5	-748.298	804.816	0.07	0	-2.368 MWD
6,970	1.56	173.52	6,848.49	-299.183	-748.064	805.624	0.162	-0.137	-3.032 MWD
7,064	1.38	173.02	6,942.46	-301.578	-747.782	806.277	0.192	-0.191	-0.532 MWD
7,159	1.36	182.02	7,037.44	-303.84	-747.683	807.049	0.227	-0.021	9.474 MWD
7,204	1.5	63.15	7,082.43	-304.108	-747.176	806.683	5.475	0.311	-264.156 MWD
7,349	1.25	185.77	7,227.41	-304.824	-745.642	805.538	1.666	-0.172	84.566 MWD
7,444	1.19	189.53	7,322.39	-306.828	-745.909	806.55	0.105	-0.063	3.958 MWD
7,539	1.31	186.77	7,417.36	-308.88	-746.201	807.602	0.141	0.126	-2.905 MWD
7,634	1.56	183.15	7,512.33	-311.249	-746.4	808.691	0.28	0.263	-3.811 MWD
7,729	1.31	190.65	7,607.30	-313.607	-746.672	809.842	0.329	-0.263	7.895 MWD

N-S E-W

7,829	1.13	182.02	7,707.28	-315.716	-746.918	810.875	0.257	-0.18	-8.63 MWD
7,884	1.03	177.27	7,762.27	-316.752	-746.913	811.266	0.244	-0.182	-8.636 MWD
7,900	1.2	182.1	7,778.27	-317.063	-746.912	811.384	1.213	1.063	30.187 MWD
7,976	1.6	170.8	7,854.25	-318.906	-746.772	811.958	0.637	0.526	-14.868 MWD
8,165	1.8	168	8,043.16	-324.414	-745.733	813.1	0.115	0.106	-1.481 MWD
8,259	1.8	154	8,137.12	-327.185	-744.779	813.276	0.467	0	-14.894 MWD
8,353	1.8	154	8,231.07	-329.839	-743.485	813.092	0	0	0 MWD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
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 1022-13M2AS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047394830000
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: 1595 FSL 1329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/4/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input 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.

THIS WELL RETURNED TO PRODUCTION ON 11/04/2009.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 10, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/5/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 1022-13M2AS	
9. API NUMBER: 43047394830000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

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.

1. TYPE OF WELL Gas Well	1. TYPE OF WELL Gas Well
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1595 FSL 1329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	

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: 3/23/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests authorization to recomplete the subject well. The operator requests approval to recomplete the Wasatch formation. The operator will commingle the Wasatch and the Mesaverde formations. Please see the attached procedure. Thank you.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: March 29, 2012

By: *D. K. Duff*

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 3/23/2012	

Greater Natural Buttes Unit



NBU 1022-13M2AS
RE-COMPLETIONS PROCEDURE

DATE:3/13/2012
AFE#:
API#:4304739483
USER ID:WIU473 (Frac Invoices Only)

COMPLETIONS ENGINEER: RACHAEL HILL, Denver, CO
(720)-929-6599(Office)
(303)-907-9167 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 1022-13M2AS
Location: NE NW SW SW SEC 13 T10S R22E
LAT: 39.946031 **LONG: -109.392872** **COORDINATE: NAD83 (Surface)**
Uintah County, UT
Date: 3/13/2012

ELEVATIONS: 5287' GL 5306' KB *Frac Registry TVD: 8280'*

TOTAL DEPTH: 8402' **PBTD:** 8357'
SURFACE CASING: 9 5/8", 36# J-55 LT&C @ 2137'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8401'
 Marker Joint **3933-3946'**

TUBULAR PROPERTIES:

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

TOPS:

1036' Green River Top
 1281' Bird's Nest Top
 1675' Mahogany Top
 4070' Wasatch Top
 6285' Mesaverde Top

BOTTOMS:

6285' Wasatch Bottom
 8402' Mesaverde Bottom (TD)

T.O.C. @ 120' from Cutters CBL 3/19/2008

GENERAL:

- A minimum of **6** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 1/25/2008
- **3** fracturing stages required for coverage.
- Procedure calls for **4** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- **TIGHT SPACING ON STAGE 2 OVERFLUSH BY 5 BBLs**
- Tubing Currently Landed @~7581
- Originally completed on 4/28/2008

Existing Perforations:

PERFORATIONS						
Formation	Zone	Top	Btm	spf	Shots	Date
MESA VERDE		6324	6338	3	42	04/21/2008
MESA VERDE		6430	6433	4	12	04/21/2008
MESA VERDE		6519	6526	4	28	04/21/2008
MESA VERDE		6636	6646	4	40	04/21/2008
MESA VERDE		6852	6856	4	16	04/21/2008
MESA VERDE		6902	6908	4	24	04/21/2008
MESA VERDE		7044	7048	4	16	04/21/2008
MESA VERDE		7076	7082	4	24	04/21/2008
MESA VERDE		7223	7226	3	9	04/21/2008
MESA VERDE		7276	7280	3	12	04/21/2008
MESA VERDE		7338	7343	4	20	04/21/2008
MESA VERDE		7478	7482	4	16	04/21/2008
MESA VERDE		7516	7522	4	24	04/21/2008
MESA VERDE		7653	7659	4	24	04/21/2008
MESA VERDE		7729	7733	4	16	04/21/2008
MESA VERDE		7837	7840	3	9	04/21/2008
MESA VERDE		7906	7910	4	16	04/21/2008
MESA VERDE		7968	7972	4	16	04/21/2008
MESA VERDE		8194	8197	4	12	04/21/2008
MESA VERDE		8250	8257	4	28	04/21/2008

Relevant History: Most recent slick line

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation		
3/15/2011	7:00 -		PROD	35	G	P	DWC: \$520.00	CWC: \$520.00	MD:
<p>SUPERVISOR: JAY AGUINGA</p> <p>Travel to location rig up went in with jdc stacked out at 7561 beat down latch on plunger came out had a viper plunger went back in latch on spring hit oil jars 2 times broke loose came out had a standard spring put on bailer run T.D stacked out at 8241 beat down came out bailer had some sand and scale scratch and brouch tubing had some scale came out 1.90 brouch was clean plunger was good standard spring had some scale clean spring drop standard spring and viper plunger chase to bottom came out rig down travel to next location.</p> <p>FLUID LEVEL7100SEAT NIPPLE DEPTH7561 SN TYPEXTD (Max Depth)8241</p> <p>JOB DETAILS SPRING AND/OR PRODUCTION TOOL DETAIL Spring OutUsed-StandardSpring InUsed-Standard Stuck SpringYes, stuck but able to latch onCorrosion on SpringNo Bailed AcidNo Broken SpringNoScale on SpringYes Production ToolsNoneDepth of Tool Other HardwareNone PLUNGER DETAIL Stuck PlungerYes, stuck but able to latch onCorrosion on PlungerNo Broken PlungerNoScale on PlungerNo SOLIDS DETAIL Tight SpotsNoneSeverity of TrashLight Solid sample to turn inYesSolid Sample SourceTubing Speculated Type of SolidIron SulfideSpeculated Depth of Solid LOST SLICKLINE TOOLS Slickline Tools LostNoDepth of Tool</p>									

H2S History:

NBU 1022-13M2AS

Date	H2S H2S_SEPARATO R_PPM
11/1/2008	70.00
12/1/2008	55.00
1/1/2009	90.00
2/1/2009	20.00
3/1/2009	100.00
4/1/2009	72.00
5/1/2009	71.00
6/1/2009	55.00
7/1/2009	62.00
8/1/2009	8.00
9/1/2009	6.00
10/1/2009	
11/1/2009	140.00
12/1/2009	28.00
1/1/2010	0.00
2/1/2010	80.00
3/1/2010	70.00
4/1/2010	85.00

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or L-80) tubing (currently landed at ~7581'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 6179 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6179 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6129'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

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

Zone	From	To	spf	# of shots
WASATCH	6015	6016	4	4
WASATCH	6032	6034	4	8
WASATCH	6160	6161	4	4
WASATCH	6077	6079	4	8

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6015' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~5532'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5312	5315	4	12
WASATCH	5375	5376	4	4
WASATCH	5459	5460	4	4
WASATCH	5501	5502	4	4

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5312' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLs

9. Set 8000 psi CBP at ~5299'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5152	5155	4	12
WASATCH	5266	5269	4	12

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5152' flush only with recycled water.
11. Set 8000 psi CBP at~5102'.
12. ND Frac Valves, NU and Test BOPs.
13. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
14. Mill 3 plugs and clean out to a depth of 6099'.
15. Land tubing at 5285', drop ball and pump open sub. Flow back completion load. RDMO
16. MIRU, POOH tbg and mill. TIH with POBS and mill.
17. Mill last plug @ 6129' clean out to PBTD at 8357'. Land tubing at ±7581' pump off bit and bit sub. **This well WILL be commingled at this time.**
18. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
19. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Rachael Hill, Denver, CO
(720)-929-6599 (Office)
(303)-907-9167 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
435-781 7046 (Office)**

NOTES:

TIGHT SPACING ON STAGE 2 OVERFLUSH BY 5 BBLS

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

Total Stages	3	stages
Last Stage Flush	3,363	gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	46	gals @	0.5	GPT
Surfactant	92	gals @	1.0	GPT
Clay Stabilizer	92	gals @	1.0	GPT
15% Hcl	750	gals @	250	gal/stg
Iron Control for acid	4	gals @	5.0	GPT of acid
Surfactant for acid	1	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	2	gals @	2.0	GPT of acid

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

Scale Inhibitor	272	gals pumped per schedule above
Biocide	46	gals @ 0.5 GPT

Name NBU 1022 13M2AS
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	6015	6016	4	4	6011.5	to	6019
	WASATCH	6032	6034	4	8	6029	to	6036.5
	WASATCH	6160	6161	4	4	6152.5	to	6163.5
	WASATCH	6077	6079	4	8	6166.5	to	6188.5
	WASATCH							
	WASATCH							
	WASATCH							
	# of Perfs/stage				24	CBP DEPTH	5,532	
2	WASATCH	5312	5315	4	12	5299	to	5325.5
	WASATCH	5375	5376	4	4	5371	to	5384.5
	WASATCH	5459	5460	4	4	5457	to	5463
	WASATCH	5501	5502	4	4	5500	to	5503.5
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
# of Perfs/stage				24	CBP DEPTH	5,299		
3	WASATCH	5152	5155	4	12	5142.5	to	5160.5
	WASATCH	5266	5269	4	12	5261.5	to	5276.5
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
# of Perfs/stage				24	CBP DEPTH	5,102		
Totals				72				

Acid Pickling and H2S Procedures (If Required)

**PROCEDURE FOR PUMPING ACID DOWN TBG

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

Rachael Hill: 303-907-9167, 720-929-6599

Production Engineer

Ben Smiley: 936-524-4231, 435-781-7010

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

NBU 1022-13M2AS						
MD	TVD	INC		MD	TVD	INC
0	0	0		4156	4074.464	22.69
100	100	0.25		4219	4132.81	21.63
200	200	0.25		4283	4192.494	20.69
300	300	0.25		4346	4251.504	20.31
400	400	0.25		4409	4310.704	19.69
500	500	0		4472	4370.248	18.44
600	600	0		4535	4430.206	17.31
700	700	0		4598	4490.553	16.06
800	800	0		4662	4552.15	15.44
900	900	0		4725	4613.028	14.38
1000	1000	0.25		4788	4674.22	13.13
1100	1099.99	0.75		4851	4735.703	12.06
1200	1199.98	0.75		4914	4797.369	11.56
1300	1299.98	0.75		4977	4859.217	10.38
1400	1399.97	0.5		5041	4922.243	9.63
1500	1499.97	0.75		5104	4984.477	8.25
1600	1599.96	0.75		5168	5047.892	7.25
1700	1699.95	0.75		5231	5110.473	5.94
1800	1799.94	1		5294	5173.189	4.94
1900	1899.93	0.75		5357	5235.991	4.13
1978	1977.92	1		5421	5299.866	3
2197	2196.965	1.06		5484	5362.807	1.94
2197	2196.885	1.06		5547	5425.787	0.94
2260	2259.873	1.25		5642	5520.778	0.69
2323	2322.843	2.25		5737	5615.771	0.63
2387	2386.767	3.31		5832	5710.762	0.94
2450	2449.615	4.63		5927	5805.751	0.88
2513	2512.339	6.06		6022	5900.739	0.94
2576	2574.938	6.88		6116	5994.724	1.06
2639	2637.383	8.31		6211	6089.71	0.94
2702	2699.655	9.13		6306	6184.696	1
2766	2762.728	10.38		6401	6279.679	1.19
2829	2824.609	11.25		6496	6374.659	1.13
2892	2886.266	12.44		6591	6469.639	1.25
2956	2948.536	14.25		6685	6563.611	1.56
3019	3009.415	15.56		6780	6658.572	1.69
3082	3069.956	16.56		6875	6753.531	1.69
3145	3130.224	17.31		6970	6848.493	1.56
3208	3190.182	18.44		7064	6942.462	1.38
3272	3250.841	18.75		7159	7037.435	1.36
3335	3310.465	18.94		7204	7082.428	1.5
3398	3369.862	20		7349	7227.407	1.25
3461	3429.032	20.19		7444	7322.386	1.19
3525	3488.842	21.5		7539	7417.363	1.31
3588	3547.511	21.25		7634	7512.333	1.56
3651	3606.376	20.5		7729	7607.303	1.31
3714	3665.19	21.5		7829	7707.281	1.13
3777	3723.602	22.5		7884	7762.271	1.03
3840	3781.832	22.38		7900	7778.268	1.2
3903	3840.049	22.56		7976	7854.245	1.6
3967	3899.165	22.5		8165	8043.162	1.8
4030	3957.59	21.44		8259	8137.116	1.8
4093	4016.155	21.81		8353	8231.07	1.8

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
STU8-08512-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UTU63047A

8. WELL NAME and NUMBER:
NBU 1022-13M2AS

9. API NUMBER:
4304739483

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 13 10S 22E

12. COUNTY
UINTAH

13. STATE
UTAH

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER **RECOMPLETION**

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE, L.P.

3. ADDRESS OF OPERATOR: P.O. BOX 173779 CITY DENVER STATE CO ZIP 80217 PHONE NUMBER: (720) 929-6304

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **NESW 1595 FSL 1329 FWL S13,T10S,R22E**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **SWSW 1327 FSL 605 FWL S13,T10S,R22E**
AT TOTAL DEPTH: **SWSW 1265 FSL 585 FWL S13,T10S,R22E**

14. DATE SPUDDED: **10/29/2007** 15. DATE T.D. REACHED: **1/24/2008** 16. DATE COMPLETED: **5/16/2012** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **5278 GL**

18. TOTAL DEPTH: MD **8,402** TVD **8,280** 19. PLUG BACK T.D.: MD **8,356** TVD **8,234** 20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#	0	40		28			
12 1/4"	9 5/8" J-55	32.3# 36#	0	2,160		1,175			
7 7/8"	4 1/2" I-80	11.6#	0	8,402		1,615			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5,302							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	5,152	6,161			5,152 6,079	0.36	72	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5152-6161	PUMP 2717 BBLs SLICK H2O & 81,905 LBS 30/50 OTTAWA SAND 3 STAGES

29. ENCLOSED ATTACHMENTS: ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:
PROD

RECEIVED
AUG 28 2012

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 5/16/2012		TEST DATE: 5/18/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,259	WATER – BBL: 0	PROD. METHOD: FLOWING
CHOKE SIZE: 24/64	TBG. PRESS. 251	CSG. PRESS. 1,399	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,259	WATER – BBL: 0	INTERVAL STATUS: PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

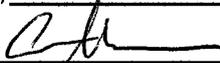
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER BIRD'S NEST MAHOGANY WASATCH MESAVERDE	

35. ADDITIONAL REMARKS (include plugging procedure)

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Wasatch 5152-6079; existing perforations: Mesaverde 6324-8257'. The Iso plug separating new perforations from old perforations is set @ 6125'. A Sundry will be submitted before drilling out the iso plug. Production is from new perforations only.

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

NAME (PLEASE PRINT) CARA MAHLER TITLE REGULATORY ANALYST
 SIGNATURE  DATE 8/22/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
 Fax: 801-359-3940

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-13M2AS orange		Spud Date: 10/29/2007	
Project: UTAH-UINTAH		Site: WHITE RIVER PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: RECOMPL/RESEREVEADD		Start Date: 4/25/2012	End Date: 5/16/2012
Active Datum: RKB @5,306.00usft (above Mean Sea Level)		UWI: NBU 1022-13M2AS	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/27/2012	9:00 - 17:00	8.00	ABANDZ	31	I	P		WAIT 2 HRS FOR WIND TO DIE DOWN, MIRU, NDWH, NUBOP, R/U SCAN TECH, POOH SCAN L/D ON FLOAT 238 JTS 2 3/8" L-80 TBG, 237 JTS YELLOW BAND, 1 JT RED BAND (31.76') (BAD THREADS), R/D SCAN TECH, SWMFWE
4/30/2012	7:00 - 7:15	0.25	ABANDZ	48		P		HSM P- JSA
	7:15 - 9:00	1.75	ABANDZ	34	I	P		MIRU, J-W WIRELINE, RIH W/ GAUGE RING & JUNK BASKET, NO TIGHT SPOTS, CAME BACK CLEAN, RIH SET HAL 10K CBP ISOLATION PLUG @ 6,125', R/D J-W, NDBOP, NU TEST FLANGE, RDMO
5/1/2012	12:00 - 13:25	1.42	ABANDZ	33	C	P		MIRU B & C QUICK TEST, PRESS TEST FRAC VALVES & CASING TO 1,000 PSI FOR 15 MIN LOST 12 PSI, 3,500 PSI FOR 15 MIN LOST 21 PSI, 6,200 PSI FOR 30 MIN LOST 65 PSI, RDMO B & C

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-13M2AS orange Spud Date: 10/29/2007

Project: UTAH-UINTAH Site: WHITE RIVER PAD Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3

Event: RECOMPL/RESEREVEADD Start Date: 4/25/2012 End Date: 5/16/2012

Active Datum: RKB @5,306.00usft (above Mean Sea Level) UWI: NBU 1022-13M2AS

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/8/2012	9:00 - 18:00	9.00	COMP	36	B	P		<p>PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 1)WHP 600 PSI, BRK 3256 PSI @ 4.9 BPM. ISIP 1922 PSI, FG .75. CALC PERFS OPEN @ 48.6 BPM @ 5057 PSI = 67% HOLES OPEN. (18/24 HOLES OPEN) ISIP 2284 PSI, FG .81, NPI 362 PSI. MP 5387 PSI, MR 50.1 BPM, AP 4914 PSI, AR 48.3 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5532' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 2)WHP 100 PSI, BRK 3034 PSI @ 4.7 BPM. ISIP 1157 PSI, FG .65. CALC PERFS OPEN @ 50.1 BPM @ 4061 PSI = 71% HOLES OPEN. (17/24 HOLES OPEN) ISIP 1631 PSI, FG .73, NPI 474 PSI. MP 4613 PSI, MR 50.2 BPM, AP 3732 PSI, AR 49.5 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5299' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 3)WHP 835 PSI, BRK 2609 PSI @ 3.8 BPM. ISIP 1110 PSI, FG .65. CALC PERFS OPEN @ 50.1 BPM @ 3348 PSI = 88% HOLES OPEN. (21/24 HOLES OPEN) ISIP 1518 PSI, FG .78, NPI 408 PSI. MP 4491 PSI, MR 50.2 BPM, AP 3626 PSI, AR 49.8 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PU 4 1/2 8K HAL CBP. RIH SET KILL PLUG @ 5102'. POOH. DONE FRACING THIS WELL.</p> <p>TOTAL SAND = 81,905 LBS TOTAL CLFL = 2717 BBLS HSM-JSA</p>
5/16/2012	7:00 - 7:15	0.25	DRLOUT	48		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-13M2AS orange		Spud Date: 10/29/2007	
Project: UTAH-UINTAH		Site: WHITE RIVER PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3
Event: RECOMPL/RESEREVEADD		Start Date: 4/25/2012	End Date: 5/16/2012
Active Datum: RKB @5,306.00usft (above Mean Sea Level)		UWM: NBU 1022-13M2AS	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 16:00	8.75	DRLOUT	44	C	P		<p>RDMO NBU 1022-13N2S, MIRU, NDWH, NUBOP, P/U 3 7/8" BIT, PUMP OPEN BIT SUB, XN SN, RIH W/ 2 3/8" L-80 OFF FLOAT, TAG FILL @ 5,062', R/U PWR SWIVEL, BRK CIRC W/ RIG PUMP, PRESS TEST BOP TO 3,000 PSI LOST 0 PSI IN 15 MIN.</p> <p>C/O 50' SAND TAG PLUG #1 @ 5,112' DRL HAL 8K CBP IN 4 MIN, 300 PSI INC, FCP 350 PSI, RIH TAG FILL @ 5,269'.</p> <p>C/O 30' SAND TAG PLUG #2 @5,299' DRL HAL 8K CBP IN 5 MIN, 50 PSI INC, FCP 100 PSI, RIH TAG FILL @ 5,427'.</p> <p>C/O 105' SAND TAG PLUG #3 @ 5,532' DRL HAL 8K CBP IN 3 MIN, 0 PSI INC, FCP 50 PSI. RIH TAG FILL @ 6,085'.</p> <p>R/U WEATHERFORD FOAM BRK CIRC, C/O 20' SAND TO 6,105', 30' BELOW BTM PERF, CIRC WELL CLEAN, POOH L/D 26 JTS, LAND W/ 170 JTS @ 5,301.63', R/D PWR SWIVEL, NDBOP, NUWH, DROP BALL PUMP OPEN BIT SUB @ 2,300 PSI, R/D FOAM UNIT, RDMO, SDFN, TURN OVER TO FBC, SICP 950 PSI, SITP 500 PSI</p> <p>KB-19' HANGER-.83' 170 JTS L-80 TBG-5,279.60' POBS-2.20' EOT @ 5,301.63'</p> <p>67 JTS (2,127.90') 2 3/8" L-80 YELLOW BAND SENT TO SAMUELS YARD</p> <p>TWTR=2,897 BBLs TWR=460 BBLs TWLTR=2,437 BBLs</p>
	16:45 - 17:00	0.25	DRLOUT	50				<p>WELL TURNED TO SALES @ 16:45 HR ON 5/16/2012, 40800 MCFD, 960 BWPD, FCP 1032#, FTP 850#, 20/64".</p>

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 1022-13M2AS orange	Wellbore No.	OH
Well Name	NBU 1022-13M2AS	Wellbore Name	NBU 1022-13M2AS
Report No.	1	Report Date	4/25/2012
Project	UTAH-UINTAH	Site	WHITE RIVER PAD
Rig Name/No.		Event	RECOMPL/RESERVEADD
Start Date	4/25/2012	End Date	5/16/2012
Spud Date	10/29/2007	Active Datum	RKB @5,306.00usft (above Mean Sea Level)
UWI	NBU 1022-13M2AS		

1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

1.4 Initial Conditions

Fluid Type		Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	5,152.0 (usft)-6,161.0 (usft)	Start Date/Time	4/25/2012 12:00AM
No. of Intervals	10	End Date/Time	4/25/2012 12:00AM
Total Shots	72	Net Perforation Interval	18.00 (usft)
Avg Shot Density	4.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

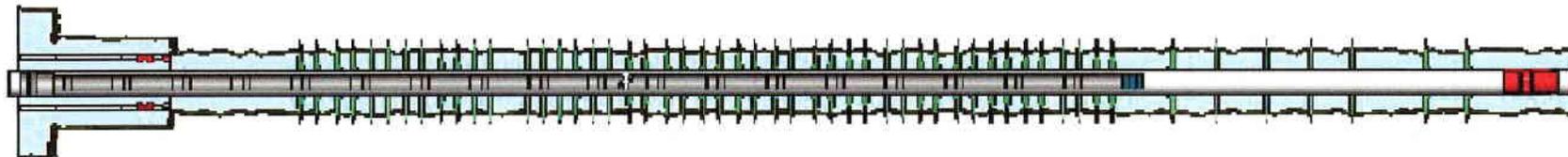
Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/25/2012 12:00AM	WASATCH/			5,152.0	5,155.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	N

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/25/2012 12:00AM	WASATCH/			5,266.0	5,269.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,312.0	5,315.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,375.0	5,376.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,459.0	5,460.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,501.0	5,502.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			6,015.0	6,016.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			6,032.0	6,034.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			6,077.0	6,079.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			6,160.0	6,161.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



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.	
1. TYPE OF WELL Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
PHONE NUMBER: 720 929-6514	8. WELL NAME and NUMBER: NBU 1022-13M2AS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1595 FSL 1329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	9. API NUMBER: 43047394830000
	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: 9/19/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator has performed the recompletion and submitted a completion report on the subject well. When the completion report was submitted the existing perforations and the new perforations were not commingled. At this time we would like to drill out the isolation plug to commingle the perforations. Please see attached procedure. Thank you.

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

Date: October 09, 2012

By: 

NAME (PLEASE PRINT) Cara Mahler	PHONE NUMBER 720 929-6029	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 9/19/2012	

WORKOVER: ISOLATION PLUG DRILL OUT

Name: NBU 1022-13M2AS

Location: Section 13 T10S R22E

PROCEDURE:

- MIRU, unland tubing (L-80), EOT @ 5301'. Scan tubing, once first joint fails (+30% wall loss), break every connection and visually inspect for pins and upsets. L/D any suspect joints.
- Collect and submit sample to engineer if applicable.
- RIH w/ mill and C/O isolation plug @ 6125' and continue to C/O to 8290'. POOH.
- RIH and land tubing @ 7628'. Broach tubing and ensure broach is full OD.

CONTACT INFORMATION:

FOREMAN	Jay Aguiniga	435-828-6460
LEAD MECHANICAL	Ryan Kunkel	435-828-4624
OPTIMIZER	Deven Oaks	435-828-4631
OPERATOR	Josh Harrison	435-828-4271
OPERATOR	Kim Horrocks	435-823-6515
ENGINEER	Ben Smiley	936-524-4231
ENGINEER	Angie Yang	435-828-6505

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
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 1022-13M2AS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047394830000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1595 FSL 1329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/1/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input 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.		
<p>On 11/1/2012 the Iso-Plug set at 6125ft. was drilled out in seven minutes. This well is now comingled.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 26, 2014</p>		
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 3/26/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 1022-13M2AS	
9. API NUMBER: 43047394830000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

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.

1. TYPE OF WELL Gas Well	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6456
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1595 FSL 1329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/29/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The NBU 1022-13M2AS well was returned to production on
11/29/2016.

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

FOR RECORD ONLY

December 07, 2016

NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 12/2/2016	