

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: ML-22649	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 922-32N-1T	
3. ADDRESS OF OPERATOR: 1368 S 1200 E		CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1200'FSL, 2329'FWL			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
AT PROPOSED PRODUCING ZONE:			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 32 9S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 24.15 MILES SOUTHEAST OF OURAY, UTAH			12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1200'	16. NUMBER OF ACRES IN LEASE: 640.00	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40.00		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C	19. PROPOSED DEPTH: 9,080	20. BOND DESCRIPTION: RLB0005237		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4991'UNGRADED GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:		

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	H-40	32.3#	2,150	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	I-80	11.6#	9,080	1870 SX 50/50 POZ	1.31 YIELD	14.3 PPG

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 REGULATORY ANALYST
SIGNATURE *Sheila Upchego* DATE 8/25/2006

(This space for State use only)

API NUMBER ASSIGNED: 43047-38567

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

APPROVAL:

Date: 10-23-06
(See Instructions on Reverse Side)
By: *[Signature]*

**RECEIVED
SEP 01 2006**

DIV. OF OIL, GAS & MINING

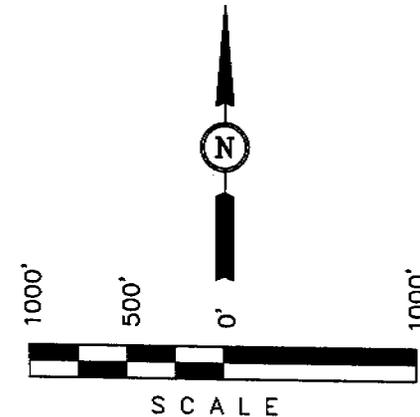
T9S, R22E, S.L.B.&M.

KERR McGEE OIL & GAS ONSHORE LP

Well location, NBU #922-32N-1T, located as shown in the SE 1/4 SW 1/4 of Section 32, T9S, R22E, S.L.B.&M., Uintah County, Utah.

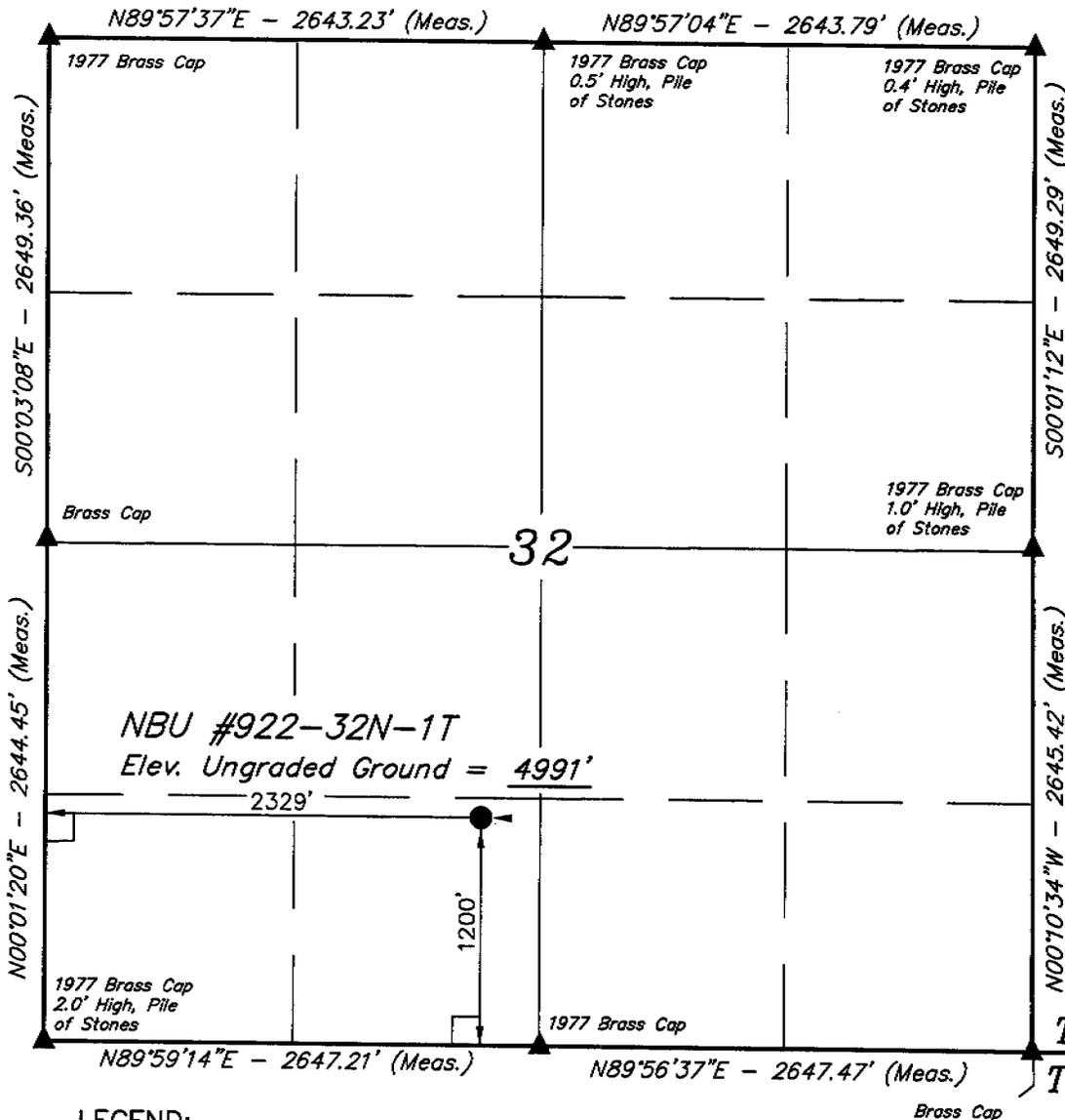
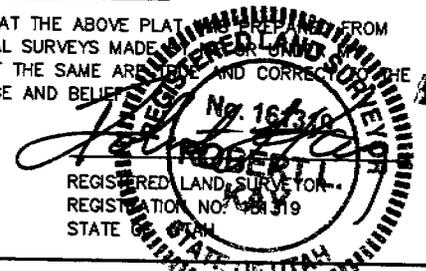
BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP NEAR THE WEST 1/4 CORNER OF SECTION 9, T10S, R22E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5304 FEET.



CERTIFICATE

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



LEGEND:

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

(NAD 83)
 LATITUDE = 39°59'18.76" (39.988544)
 LONGITUDE = 109°27'59.19" (109.466442)
 (NAD 27)
 LATITUDE = 39°59'18.89" (40.656025)
 LONGITUDE = 109°27'56.71" (109.465753)

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

SCALE 1" = 1000'	DATE SURVEYED: 05-11-06	DATE DRAWN: 05-11-06
PARTY P.J. N.F. S.L.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE KERR McGEE OIL & GAS ONSHORE LP	

NBU 922-32N-1T
SESW SEC 32-T9S-R22E
UINTAH COUNTY, UTAH
ML-22649

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1248'
Top of Birds Nest Water	1536'
Mahogany	2182'
Wasatch	4427'
Mesaverde	6959'
MVU2	7842'
MVL1	8427'
TD	9080'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	1248'
	Top of Birds Nest Water	1536'
	Mahogany	2182'
Gas	Wasatch	4427'
Gas	Mesaverde	6959'
Gas	MVU2	7842'
Gas	MVL1	8427'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9080' TD, approximately equals 5630 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3632 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 25, 2006
 WELL NAME NBU 922-32N-1T TD 9,080' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,991' GL KB 5,008'
 SURFACE LOCATION NESESW SECTION 32, T9S, R22E 1200'FSL, 2329'FWL BHL Straight Hole
 Latitude: 39.988544 Longitude: 109.466442
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: UDGOM (SURF & MINERALS), BLM, Tri-County Health Dept.

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,427' Green River @ 1,248' Top of Birds Nest Water @ 1536' Preset f/ GL @ 2,150' MD					
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
	Mahogany (2,182'			Water/Fresh Water Mud
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	8.3-11.7 ppg
	Wasatch @	4,427'			
	Mverde @	6,959'			
	MVU2 @	7,842'			
	MVL1 @	8,427'			
	TD @	9,080'			Max anticipated Mud required 11.7 ppg



**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 2150	32.30	H-40	STC	0.64*****	1.36	4.18
PRODUCTION	4-1/2"	0 to 9080	11.60	I-80	LTC	7780	6350	201000
						2.21	1.15	2.19

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 11.7 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 3527 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	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWO	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,920'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	430	60%	11.00	3.38
	TAIL	5,160'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1440	60%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

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

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

DRILLING ENGINEER:

Brad Laney

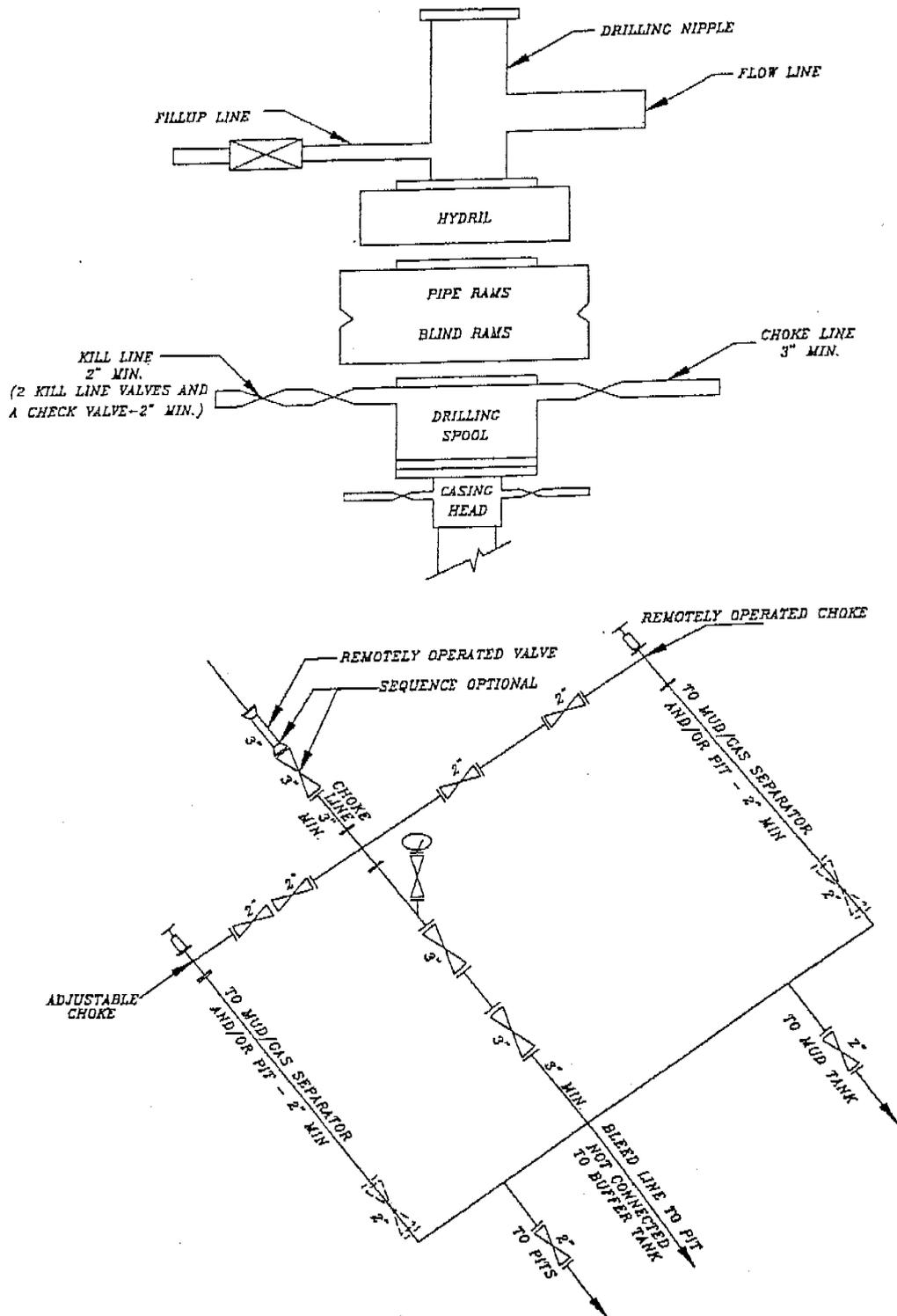
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 922-32N-1T
SESW SEC 32-T9S-R22E
Uintah County, UT
ML-22649

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 proposed 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.

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.

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

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and

removed to an approved disposal site.

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

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

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

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

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

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

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
Regulatory Analyst
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

8/25/2006

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-32N-1T
SECTION 32, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.35 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.45 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.05 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-32N-1T

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T9S, R22E, S.L.B.&M.

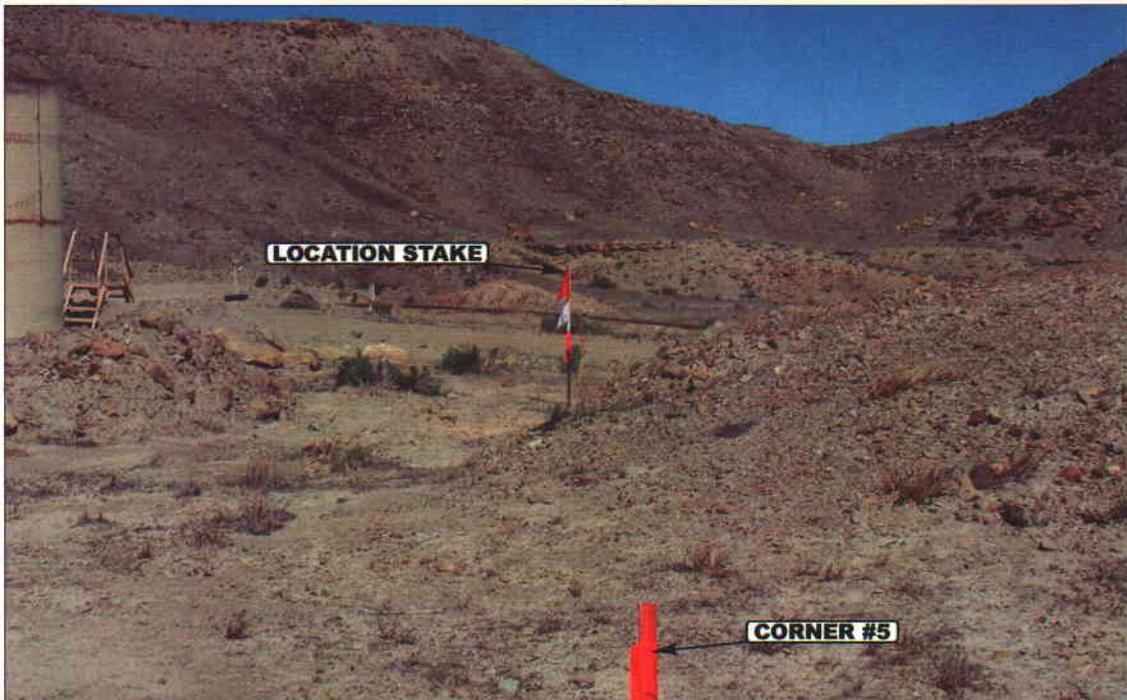


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

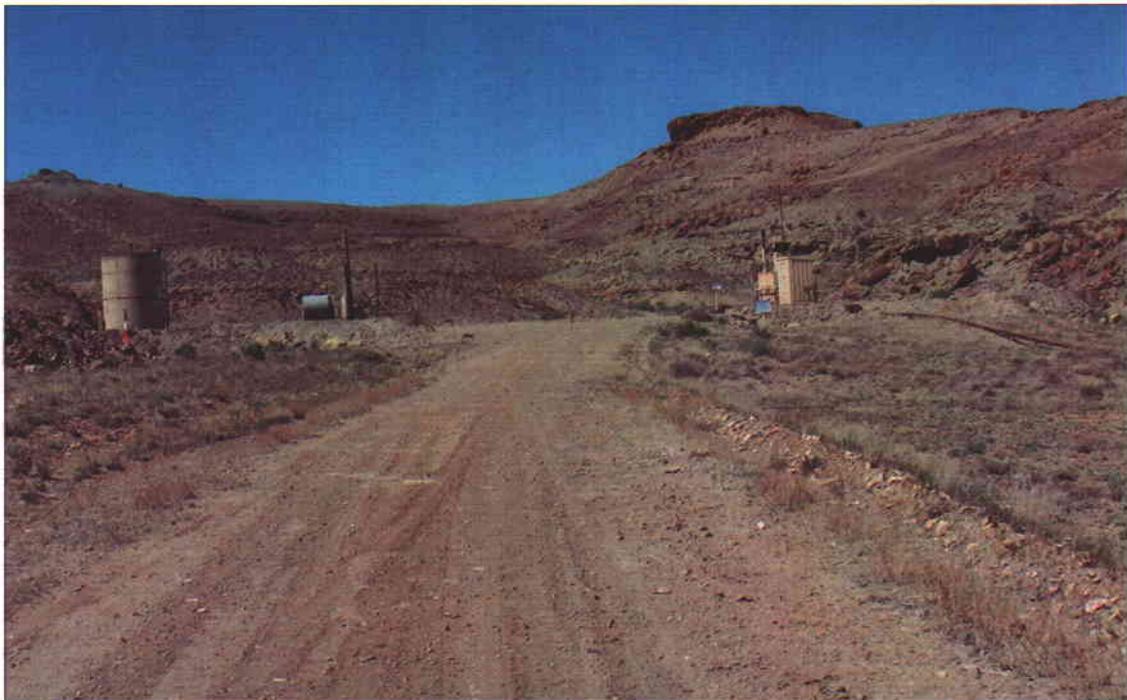


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

LOCATION PHOTOS

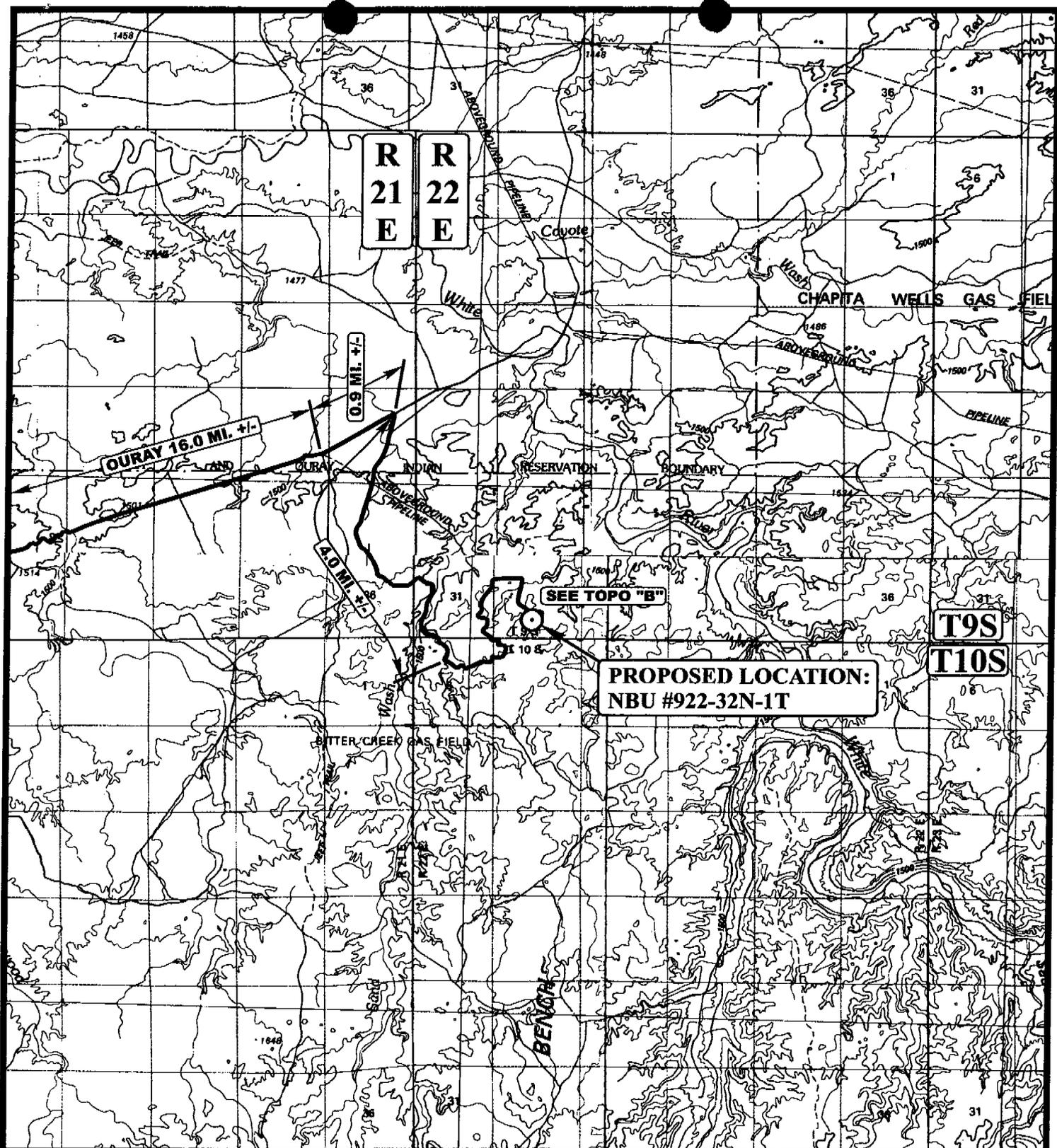
05 **17** **06**
MONTH DAY YEAR

PHOTO

TAKEN BY: P.J.

DRAWN BY: C.P.

REVISED: 00-00-00



R 21 E
R 22 E

T9S
T10S

**PROPOSED LOCATION:
NBU #922-32N-1T**

LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #922-32N-1T
SECTION 32, T9S, R22E, S.L.B.&M.
1200' FSL 2329' FWL



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

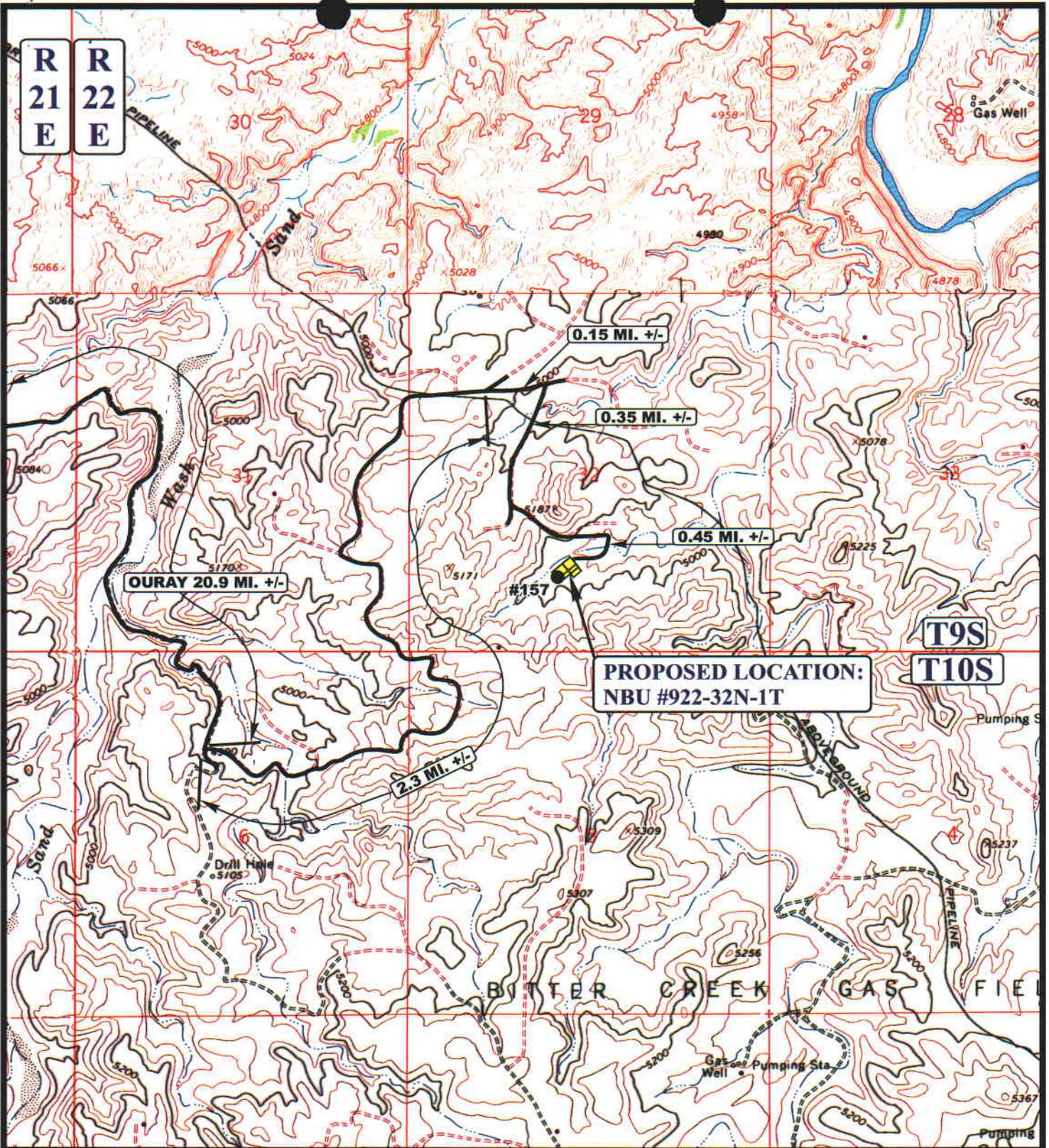


TOPOGRAPHIC
MAP

05 17 06
MONTH DAY YEAR

SCALE: 1:100,000 **DRAWN BY: C.P.** **REVISED: 00-00-00**





LEGEND:

— EXISTING ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #922-32N-1T
SECTION 32, T9S, R22E, S.L.B.&M.
1200' FSL 2329' FWL



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

TOPOGRAPHIC
MAP

05	17	06
MONTH	DAY	YEAR

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

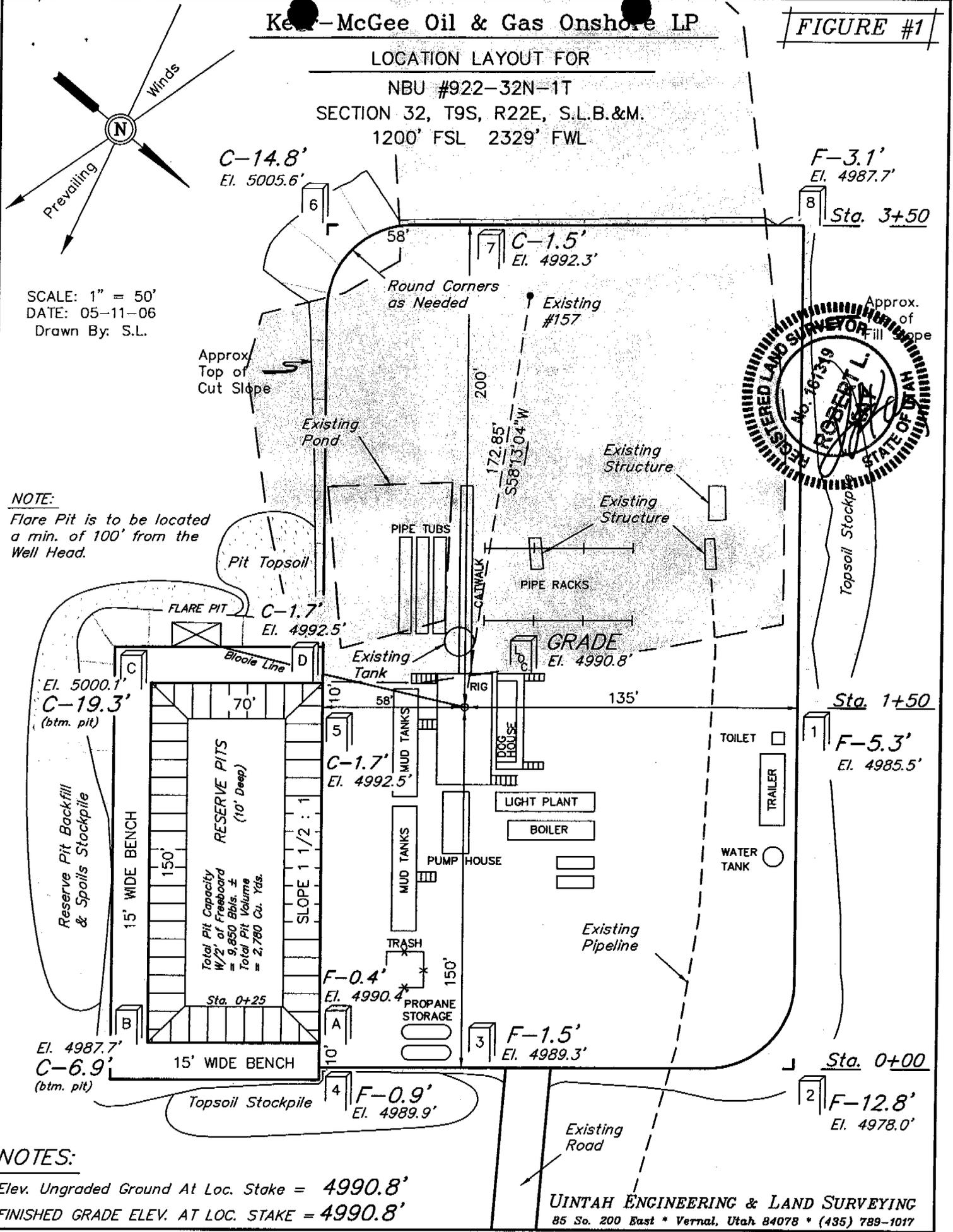


Keen-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

**NBU #922-32N-1T
SECTION 32, T9S, R22E, S.L.B.&M.
1200' FSL 2329' FWL**



SCALE: 1" = 50'
DATE: 05-11-06
Drawn By: S.L.

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



NOTES:
Elev. Ungraded Ground At Loc. Stake = 4990.8'
FINISHED GRADE ELEV. AT LOC. STAKE = 4990.8'

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

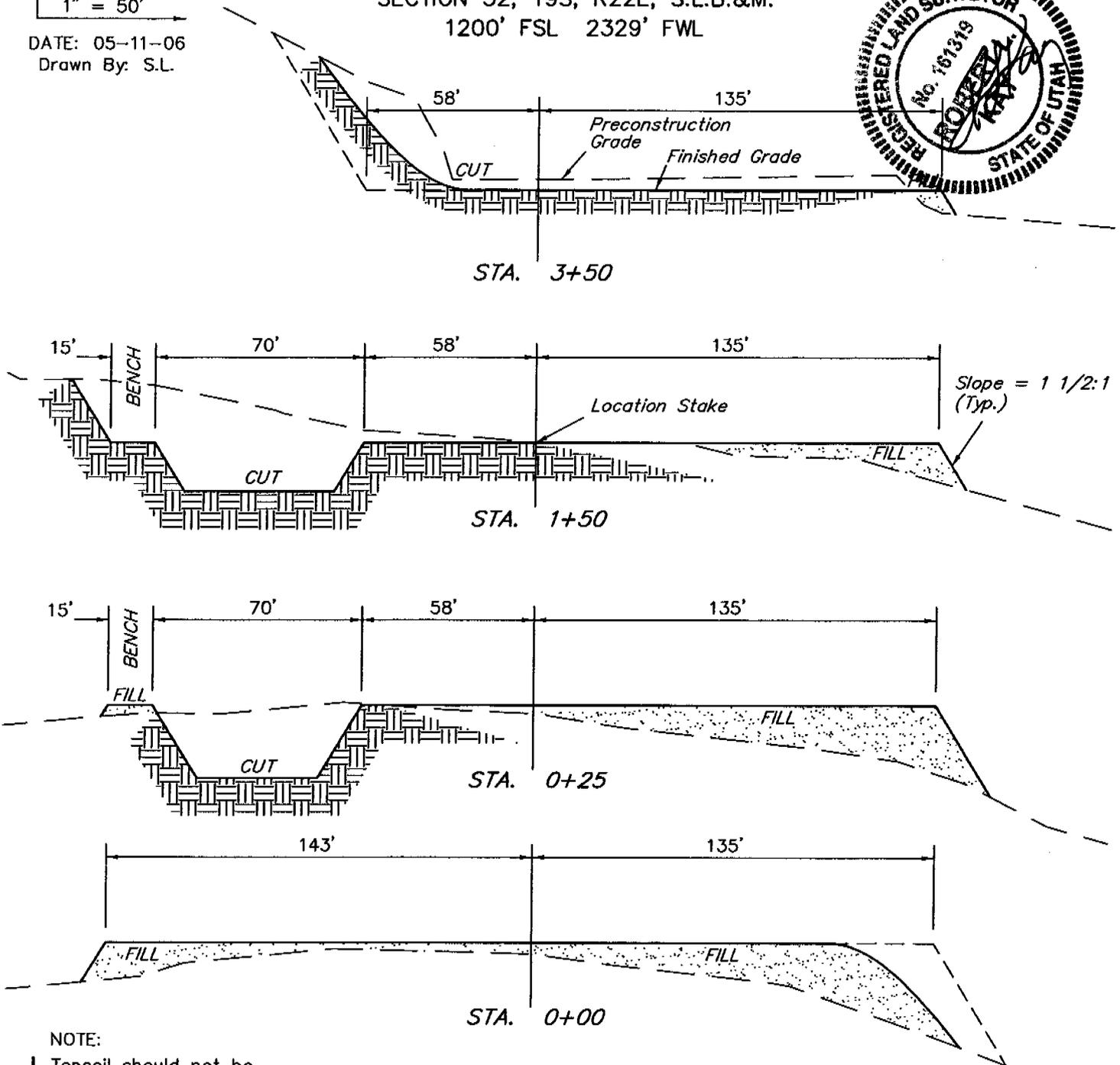
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #922-32N-1T
SECTION 32, T9S, R22E, S.L.B.&M.
1200' FSL 2329' FWL

1" = 20'
X-Section Scale
1" = 50'
DATE: 05-11-06
Drawn By: S.L.



NOTE:

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

*** NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 930 Cu. Yds.
Remaining Location	= 6,280 Cu. Yds.
TOTAL CUT	= 7,210 CU.YDS.
FILL	= 4,620 CU.YDS.

EXCESS MATERIAL	= 2,590 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,320 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 270 Cu. Yds.

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

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/01/2006

API NO. ASSIGNED: 43-047-38567

WELL NAME: NBU 922-32N-1T

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SESW 32 090S 220E
 SURFACE: 1200 FSL 2329 FWL
 BOTTOM: 1200 FSL 2329 FWL
 COUNTY: UINTAH
 LATITUDE: 39.98856 LONGITUDE: -109.4642
 UTM SURF EASTINGS: 631127 NORTHINGS: 4427407
 FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	10/20/06
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-22649
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Fed[] Ind[] Sta[] Fee[]
 (No. RLB0005236)
 Potash (Y/N)
 Oil Shale 190-5 (B) or 190-3 or 190-13
 Water Permit
 (No. 43-8496)
 RDCC Review (Y/N)
 (Date: _____)
 Fee Surf Agreement (Y/N)
 Intent to Commingle (Y/N)

LOCATION AND SITING:

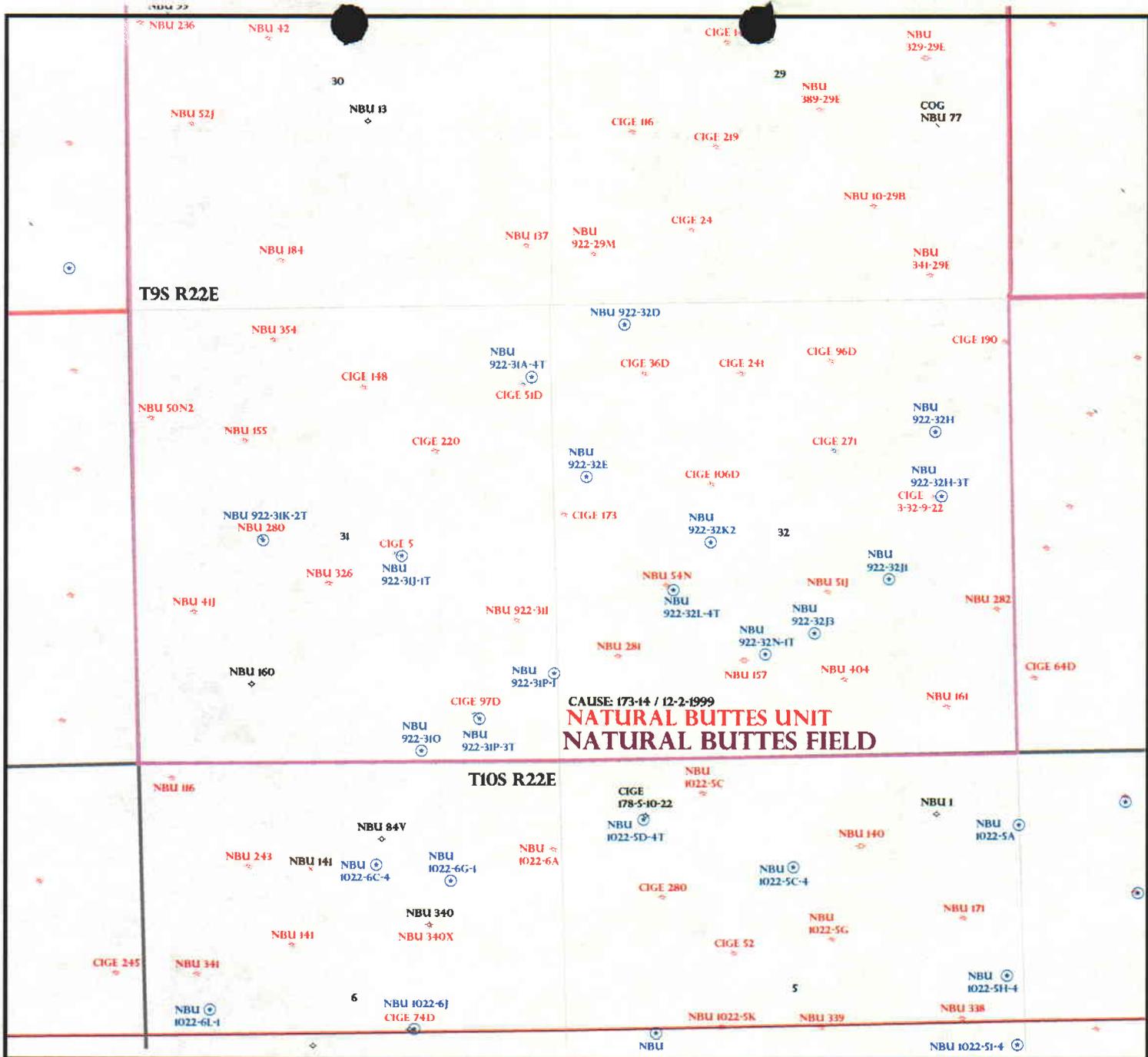
_____ R649-2-3.
 Unit: NATURAL BUTTES
 _____ R649-3-2. General
 Siting: 460' From Qtr/Qtr & 920' Between Wells
 _____ R649-3-3. Exception
 Drilling Unit
 Board Cause No: 173-14
 Eff Date: 12-2-14
 Siting: 460' fr u. burg. S. in comm. tier
 _____ R649-3-11. Directional Drill

COMMENTS:

Needs Resu (10-03-06)

STIPULATIONS:

1- STATEMENT OF BASIS
2- OIL SHALE
3- Surface Csg (int Stip)



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 31,32 T.9S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

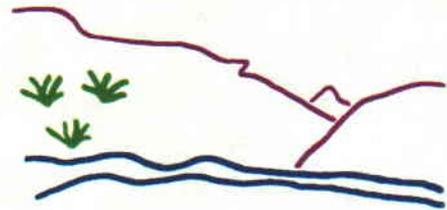
CAUSE: 173-14 / 12-2-1999

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
 DATE: 15-SEPTEMBER-2006

Application for Permit to Drill Statement of Basis

10/5/2006

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
108	43-047-38567-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, LP		Surface Owner-APD		
Well Name	NBU 922-32N-1T		Unit		
Field	UNDESIGNATED		Type of Work		
Location	SESW 32 9S 22E S 0 FL 0 FL GPS Coord (UTM) 631127E 4427407N				

Geologic Statement of Basis

Kerr McGee proposes to set 2,150' 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 3,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. 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. The production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters up hole. The proposed casing and cement should adequately protect. Any usable ground water.

Brad Hill
APD Evaluator

10/5/2006
Date / Time

Surface Statement of Basis

Both the surface and minerals are owned by SITLA. The proposed well is on an existing pad which will be extended to the northeast. Topography is a flat with a slight slope to the north. Nearby hills sides have exposed rock ledges.

General area is the Sand Wash Drainage of Uintah, County. Sand Wash is approximately 36 air miles south of Vernal, Utah and approximately 24 miles southeast of Ouray, Utah. Access is by State of Utah Highway, Uintah County and oilfield development roads.

Topography is characterized by broad open flats dissected by numerous sub-drainages, which often become steep with ridges and draws with exposed sandstone layers. No perennial streams occur in drainage. Individual draws or washes are ephemeral with spring runoff or flows from sometimes-intense summer rainstorms. White River is to the northeast about 1 1/2 miles. No springs exist in the area. An occasional constructed pond occurs furnishing water for antelope or livestock.

Ben Williams of the UDWR was invited to and attended the presite. He stated the general area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. Also, no other wildlife are expected to be affected. He provided Jim Davis of SITLA and Carrol Estes of Kerr-Mcgee a copy of his wildlife evaluation and a seed mix recommended by DWR to be used in reseeding the location.

Floyd Bartlett
Onsite Evaluator

10/3/2006
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner 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 922-32N-1T
API Number 43-047-38567-0 **APD No** 108 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 SESW **Sec** 32 **Tw** 9S **Rng** 22E 0 FL 0 FL
GPS Coord (UTM) 631117 4427410 **Surface Owner**

Participants

Floyd Bartlett (DOG M), Carol Estes, B J Braithwaite, Tony Kazeck and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering & Land Survey), Jim Davis (SITLA), Ben Williams (UDWR)

Regional/Local Setting & Topography

The proposed well is on a existing pad which will be extended to the northeast. Topography is a flat with a slight slope to the north. Nearby hillsides have exposed rock ledges.

General area is the Sand Wash Drainage of Uintah, County. Sand Wash is approximately 36 air miles south of Vernal, Utah and approximately 24 miles southeast of Ouray, Utah. Access is by State of Utah Highway, Uintah County and oilfield development roads.

Topography is characterized by broad open flats dissected by numerous sub-drainages, which often become steep with ridges and draws with exposed sandstone layers. No perennial streams occur in drainage. Individual draws or washes are ephemeral with spring runoff or flows from sometimes-intense summer rainstorms. White River is to the northeast about 1 1/2 miles. No springs exist in the area. An occasional constructed pond occurs furnishing water for antelope or livestock.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat
Existing Well Pad

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0	Width 263 Length 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Halogeton, cheatgrass, annual mustard, greasewood, thick spiked wheatgrass, rabbitbrush.

Antelope, small mammals and birds.

Soil Type and Characteristics

Shallow rocky 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? N 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 35 1 Sensitivity Level

Characteristics / Requirements

150' x 70' x 10' deep located on the north east side of the location in an area of cut. The operator has a standard practice of lining all pits with a 20 mil. liner and 2 layers of felt underlayment.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

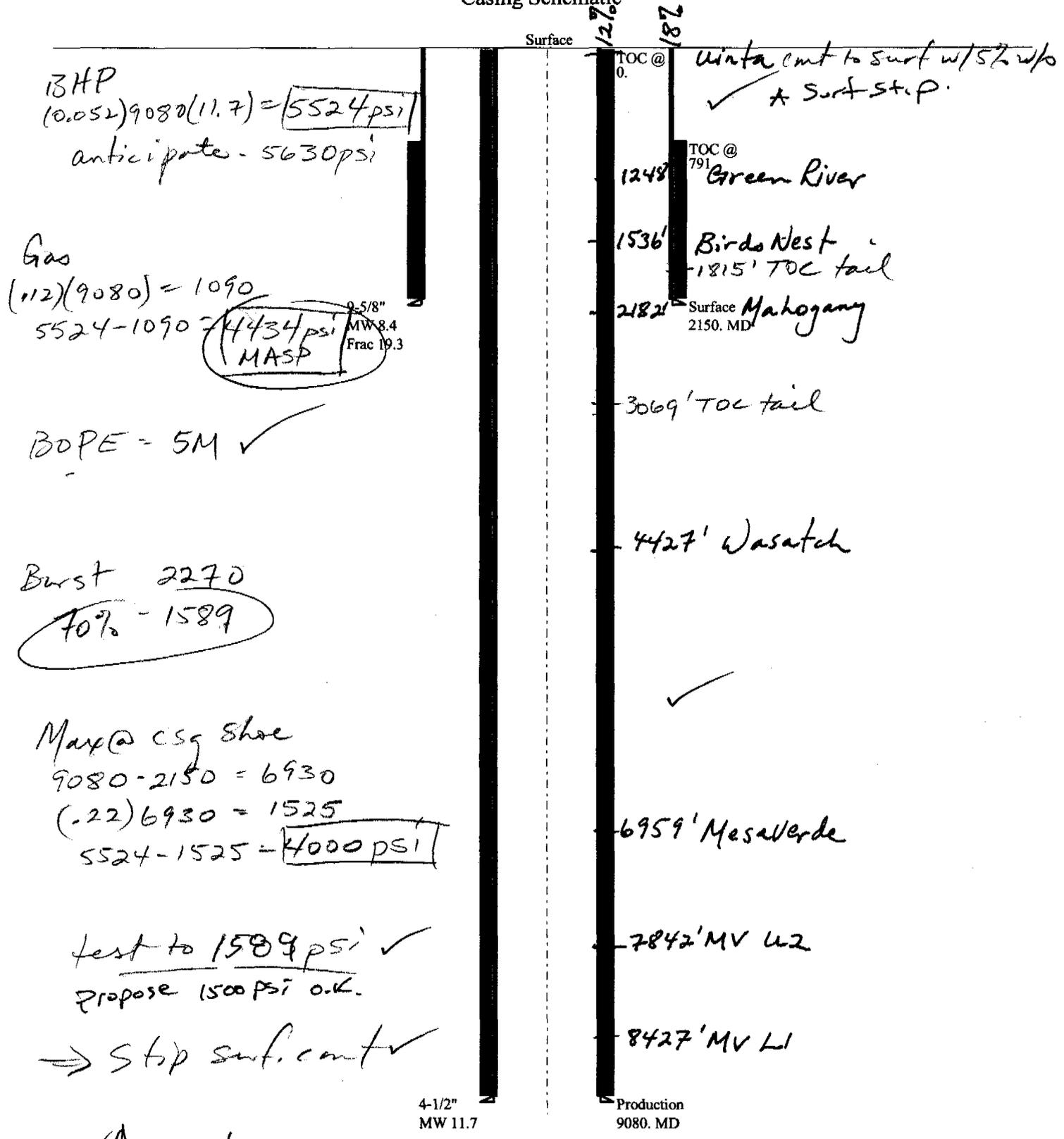
Other Observations / Comments

Ben Williams of the UDWR was invited to and attended the presite. He stated the general area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. Also, no other wildlife are expected to be affected. He provided Jim Davis of SITLA and Carrol Estes of Kerr-Mcgee a copy of his wildlife evaluation and a seed mix recommended by DWR to be used in re-seeding the location.

Floyd Bartlett
Evaluator

10/3/2006
Date / Time

Casing Schematic



✓ Adequate data 10/20/06

Well name:

2006-10 Kerr McGee NBU 922-32N-1TOperator: **Kerr McGee Oil & Gas Onshore L.P.**String type: **Surface**

Project ID:

43-047-38567

Location: **Uintah County, Utah****Design parameters:****Collapse**Mud weight: 8.400 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: 105 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 791 ft

Burst

Max anticipated surface

pressure: 1,892 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 2,150 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: 1,885 ft

Non-directional string.**Re subsequent strings:**Next setting depth: 9,080 ft
Next mud weight: 11,700 ppg
Next setting BHP: 5,519 psi
Fracture mud wt: 19,250 ppg
Fracture depth: 2,150 ft
Injection pressure: 2,150 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	2150	9.625	32.30	H-40	ST&C	2150	2150	8.876	950.1
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	938	1370	1.460 ✓	2150	2270	1.06 ✓	61	254	4.17 J ✓

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: (801) 538-5357
FAX: (801) 359-3940Date: October 11, 2006
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2150 ft, a mud weight of 8.4 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:

2006-10 Kerr McGee NBU 922-32N-1T

Operator: **Kerr McGee Oil & Gas Onshore L.P.**

String type: **Production**

Project ID:
43-047-38567

Location: **Uintah County, Utah**

Design parameters:

Collapse

Mud weight: 11.700 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: 202 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,521 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,519 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)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 7,492 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	9080	4.5	11.60	I-80	LT&C	9080	9080	3.875	792.4
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	5519	6360	1.152 ✓	5519	7780	1.41 ✓	87	212	2.44 J ✓

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

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

Date: October 11, 2006
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9080 ft, a mud weight of 11.7 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.

From: Ed Bonner
To: Whitney, Diana
Date: 9/18/2006 11:51:50 AM
Subject: Well Clearance

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

Bill Barrett Corporation

Prickly Pear State 2-36-12-15 (API 43 007 31226)
Prickly Pear State 4-36-12-15 (API 43 007 31227)
Prickly Pear State 12-36-12-15 (API 43 007 31228)

Enduring Resources, LLC

Long Draw 12-24-31-26 (API 43 047 38435)

EOG Resources, Inc

Chapita Wells Unit 1220-02 (API 43 047 37985)
Chapita Wells Unit 1221-02 (API 43 047 38509)
Chapita Wells Unit 1217-02 (API 43 047 38345)
Chapita Wells Unit 1219-02 (API 43 047 38344)
Chapita Wells Unit 1243-02 (API 43 047 38346)

Kerr McGee Oil & Gas Onshore LP

NBU 922-32N-1T (API 43 047 38567)
NBU 922-32H-3T (API 43 047 38569)

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

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

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)

September 19, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 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 2006 within the Natural Buttes Unit, Uintah County, Utah.

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

(Proposed PZ Wasatch/MesaVerde)

43-047-38560 NBU 922-31P-1 Sec 31 T09S R22E 1007 FSL 0107 FEL
43-047-38561 NBU 922-31A-4T Sec 31 T09S R22E 0852 FNL 0301 FEL
43-047-38567 NBU 922-32N-1T Sec 32 T09S R22E 1200 FSL 2329 FWL
43-047-38569 NBU 922-32H-3T Sec 32 T09S R22E 2302 FNL 0891 FEL
43-047-38570 NBU 1022-7H-4 Sec 07 T10S R22E 2488 FNL 0227 FEL
43-047-38571 NBU 1022-7B-3T Sec 07 T10S R22E 0967 FNL 2042 FEL
43-047-38562 NBU 1022-10C-1 Sec 10 T10S R22E 0104 FNL 2193 FWL

The following wells are twins of existing Wasatch wells

43-047-38564 NBU 922-31P-3T Sec 31 T09S R22E 0491 FSL 0971 FEL
43-047-38565 NBU 922-31K-2T Sec 31 T09S R22E 2589 FSL 1435 FWL
43-047-38566 NBU 922-31J-1T Sec 31 T09S R22E 2383 FSL 1826 FEL
43-047-38568 NBU 922-32L-4T Sec 32 T09S R22E 1954 FSL 1286 FWL

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

/s/ Michael L. Coulthard



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

October 23, 2006

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

Re: Natural Buttes Unit 922-32N-1T Well, 1200' FSL, 2329' FWL, SE SW,
Sec. 32, T. 9 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 43-047-38567.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Kerr-McGee Oil & Gas Onshore LP
Well Name & Number Natural Buttes Unit 922-32N-1T
API Number: 43-047-38567
Lease: ML-22649

Location: SE SW Sec. 32 T. 9 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 actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

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

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

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)

Page 2

43-047-38567

October 23, 2006

6. 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.
7. Surface casing shall be cemented to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: Kerr-McGee Oil & Gas Onshore, LP

Well Name: NBU 922-32n-1T

API No: 43-047-38567 Lease Type: State

Section 32 Township 09S Range 22E County Uintah

Drilling Contractor Pete Martin Drilling Rig # Bucket

SPUDDED:

Date 5-31-07

Time 10:00 AM

How Dry

Drilling will Commence: _____

Reported by Lou Weldon

Telephone # 435-828-7035

Date 6-4-07 Signed RM

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

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
 Address: 1388 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
4304738567	NBU 922-32N-1T		SESW	32	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	5/31/2007		6/14/07		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 05/31/2007 AT 1000 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739020	NBU 1021-30I		NESE	30	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	5/31/2007		6/14/07		
Comments: MIRU ROCKY MTN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 05/31/2007 AT 1100 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736708	NBU 1022-26E		SWNW	26	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	5/31/2007		6/14/07		
Comments: MIRU PETE MARTIN BUCKET. <u>WSMVD</u> SPUD WELL LOCATION ON 05/31/2007 AT 1630 HRS							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print) _____
 Signature *Sheila Upchego*
 SENIOR LAND SPECIALIST 6/1/2007
 Title Date

To: Earlene Russell From: Sheila Upchego
 Co./Dept: UTDGM Co.: KMG
 Phone: (801) 536-5336 Phone: (435) 781-7024
 Fax #: (801) 359-3940 Fax: (435) 781-7094

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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: ML-22649
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 VERNAL UT 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1200'FSL, 2329'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 32 9S 22E		8. WELL NAME and NUMBER: NBU 922-32N-1T
		9. API NUMBER: 4304738567
		10. 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 (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 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 05/31/2007 AT 1000 HRS.

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DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE 	DATE <u>6/1/2007</u>

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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: ML-22649
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: UNIT #891008900A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: NBU 922-32N-1T	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		9. API NUMBER: 4304738567
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078	PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1200'FSL, 2329'FWL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 32 9S 22E		STATE: UTAH

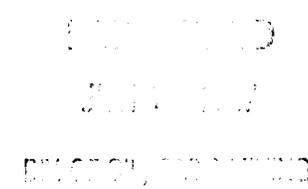
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<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<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 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 06/05/2007. DRILLED 12 1/4" SURFACE HOLE TO 2430'. RAN 9 5/8" 53 JTS OF 32.3# H-40 AND 10 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/390 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT HAD 380 PSI OF LIFT. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. 2ND TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.


 DIRECTOR, DEPARTMENT

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE 	DATE <u>6/11/2007</u>

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

FORM 9

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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1200'FSL, 2329'FWL		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 32 9S 22E		COUNTY: UINTAH
		STATE: UTAH

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

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	<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 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 2430' TO 8950' ON 06/29/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/345 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1245 SX 50/50 POZ @14.3 PPG 1.31 YIELD. BUMP PLUG PLUG HOLDING 3 BBLs CMT TO SURFACE CLEAN PITS.

RELEASED ENSIGN RIG 12 ON 06/30/2007 AT 0100 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE	DATE 7/3/2007

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DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649
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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 32 9S 22E		COUNTY: UINTAH
		STATE: UTAH

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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 08/16/2007 AT 11:00 AM.
PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE	DATE <u>8/20/2007</u>

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DIV. OF OIL, GAS & MINING



Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 922-32N-1T

SESW, SEC. 32, T9S, R22E
UINTAH COUNTY, UT

DATE	ACTIVITY	STATUS
	LOCATION STARTED	ENSIGN 12
05/24/07	LOCATION COMPLETE	ENSIGN 12 P/L IN, WOBR
05/31/07	SET CONDUCTOR	ENSIGN 12
06/05/07	SET AIR RIG	ENSIGN 12 DRLG
06/13/07	9 5/8" @ 2393'	ENSIGN 12 WORT
06/20/07	TD: 2430' Csg. 9 5/8" @ 2393' MW: 8.4 SD: 6/XX/07 DSS: 0 Move to NBU 922-32N-1T. Spot rig and RURT.	
06/21/07	TD: 2430' Csg. 9 5/8" @ 2393' MW: 8.4 SD: 6/XX/07 DSS: 0 RURT. NU and test BOPE. PU drill string and drill FE @ report time.	
06/22/07	TD: 3833' Csg. 9 5/8" @ 2393' MW: 8.9 SD: 6/21/07 DSS: 1 Drill cmt and FE. Rotary spud @ 0830 hrs on 6/21/07. Drill f/ 2430'-3833'. DA @ report time.	
06/25/07	TD: 7315' Csg. 9 5/8" @ 2393' MW: 9.8 SD: 6/21/07 DSS: 4 Drill f/ 3833'-7315'. DA @ report time.	
06/26/07	TD: 7846' Csg. 9 5/8" @ 2393' MW: 10.3 SD: 6/21/07 DSS: 5 Drill from 7315'-7387'. TFNB. Drill to 7846'. DA @ report time.	
06/27/07	TD: 8615' Csg. 9 5/8" @ 2393' MW: 11.0 SD: 6/21/07 DSS: 6 Drill from 7846'-8615'. DA @ report time.	
06/28/07	TD: 8923' Csg. 9 5/8" @ 2393' MW: 11.4 SD: 6/21/07 DSS: 7 Drill from 8615'-8650'. TFNB. Drill to 8923'. DA @ report time.	
06/29/07	TD: 8950' Csg. 9 5/8" @ 2393' MW: 11.5 SD: 6/21/07 DSS: 8 Drill from 8923'-8950' TD. Short trip, CCH and lay down drill string. Run Triple Combo. Running 4 1/2" Production Casing @ report time.	

07/02/07

TD: 8950' Csg. 9 5/8" @ 2393' MW: 11.5 SD: 6/21/07 DSS: 9
Run and cmt 4.5" prod csg. Set slips, ND, and clean pits. Rls rig @ 0100 6/30/07. RDRT and move to NBU 1022-4E-1T. RURT @ report time.

08/10/07

PU TBG

Days On Completion: 8
Remarks: 7:00 A.M. HSM MOVE RIG F/ OURAY 6-194. MIRU. NDWH. NUBOPE. PREP & TALLY 2 3/8" J-55 8RD 4.7# TBG. P/U 3 7/8" MILL, BIT SUB & BEG TO RIH P/U TBG OFF TRAILER W/ 2 JTS TBG IN HOLE. DROPPED TBG. DESC. OF LOST TBG. 3 7/8" MILL, 2 3/8" EUE X 2 3/8" REG BIT SUB, 2 JTS 2 3/8" J-55 8RD 4.7# TBG. TOT LENGTH OF FISH 60.50', 2 3/8" J-55 TBG COUPLING LOOKING UP. O.D. 3.063". CONSULT ENGINEERING. WILL LEAVE FISH IN RAT HOLE. P/U 3 7/8" BIT, POBS & CONT TO RIH P/U TBG OFF TRAILER. EOT @ 6800', X/O POOH W/ TBG. L/D BIT & BIT SUB. NDBOPE. NU FRAC VLV'S, MIRU B&C QUICK TST. PSI TST CSG & FRAC VLV'S TO 7500# (HELD). RDMO B&C. PREP TO FRAC MONDAY A.M. SWI. SDFWE

08/13/07

FRAC & PERFORATE

Days On Completion: 11
Remarks: 7:00 AM, (DAY#2) HELD JSA. NO PRESSURE ON WELL. MI RU CUTTERS AND WEATHERFORD FRACING SERV. (STG #1) RIH W/ PERF GUN, PERF THE M.V. @ 8603' - 8633' - 8602' - 8606' 3 SPF 120* PHASING. 8545' - 8546' - 8518' - 8520' - 8426' - 8428', 4 SPF, 90* PHASING USING 3 3/8" EXP GUNS, .23 GM, 0.36" (46 HLS). PT LINES TO 7500#. WHP= 408#, BRK DN PERFS @ 1922# @ 1.7 BPM. ISIP=969, FG= .55. PMP'D 6 BBL'S H.C.L. AHEAD OF IN JECTION. CALCULATE 27.5 PERF, S OPEN. PMP'D 3121 BBL'S SLK WTR & 10960# 30/50 SD. ISIP= 2969, F.G. =.78, NPI=2000#, MP=6079, MR=50.9, AP=4059, AR= 50.4 BPM.

(STG#2) RIH W/ BACKER 8K CBP & PERF GUN. SET CBP @ 8374'. PERF THE M.V. @ 8340' - 8344' - 8295' - 8298' - 8227' - 8229' - 8194' - 8195' - 8101 - 8102'. 4SPF, 90* PHASING USING 3 3/8" EXP GUNS, 23 GM, 0.36, (44 HLS). WHP= 260#. BRK DN PERFS @ 5057# @ 2.7 BPM. ISIP=2803, F.G. =.78. CALCULATE 27.5 OF 44 PER'S OPEN. PMP'D 2167 BBL'S SLK WTR & 85194# 30/50 SD. ISIP=2364, F.G. =.78, NPI= -439, MP=6719, MR=52.9, AP=4270, AR=51.3 BPM.

(STG#3) RIH W/ BACKER 8K CBP & PERF GUN. SET CBP @ 8072'. PERF THE M.V. @ 8037' - 8042' 3 SPF 120* PHASING, 7950' - 7955' 4 SPF 90* PHASING, 7936' 7939' 3 SPF 120* PHASING, USING 3 3/8" EXP GUN'S, 23 GM, 0.36" (44HLS) WHP= 150#. BRK DN PERFS @ 2621# @ 2.7 BPM. ISIP=2193, F.G. =.71. CALCULATE 41 OF 44 PERF'S OPEN. PMP'D 761 BBL'D SLK WTR & 26047# 30/50 SD. ISIP=2245, F.G. =.72, NPI=52, MP=4102, MR=52.1, AP=3722, AR=51.7 BPM.

(STG#4) RIH W/ BACKER 8K CBP & PERF GUN. SET CBP @ 7477'. PERF THE M.V. @ 7708' - 7712' 4 SPF 90* PHASING, 7687' - 7690' 3 SPF 120* PHASING, 7599' - 7604' 4 SPF 90* PHASING USING 3 3/8" EXP GUN'S, 23 GM, 0.36" (45 HLS). WHP=490#. BRK DN PERFS @ 4750# @ 3.2 BPM. ISIP=2818#, F.G. =.80. CALCULATE ALL PERF'S OPEN. PMP'D 1207 BBL'S SLK WTR & 45388# 30/50 SD. ISIP=2758, F.G. =.80, NPI= -52, MP=4102 MR=52.1, AP=3802, AR=51.5 BPM.

(STG#5) RIH W/ BACKER 8K CBP & PERF GUN. SET CBP @ 7477'. PERF THE M.V. @ 7442' - 7447' - 7418 - 7420' - 7342' - 7346' 4 SPF 90* PHASING USING 3 3/8" EXP GUN'S, 23 GM, 0.36" (44 HLS). POOH W/ WIRE LINE. 5:30 PM, SWI SDFN. FRAC STG #5 IN THE AM.

08/14/07

FRAC & PERFORATE

Days On Completion: 12
Remarks: 7:00 AM, (DAY#3) HELD WEATHERFORD JSA. SICP= 1316#. FINISH STG#5. WHP=1316#. BRK DN PERFS @ 3847# @ 3.2 BPM. ISIP=2882, F.G. =.83. CALCULATE ALL

PERF'S OPEN. PMP'D964 BBL'S SLK WTR & 37913# SD. ISIP=2595, F.G. =.79, NPI=287, MP=4419, MR=52.2, AP=3777, AR=51.5 BPM.

(STG#6) RIH W/ BACKER 8K CBP & PERF GUN. SET CBP @ 7236'. PERF THE M.V. @ 7203' - 7206' - 7178' - 7180' - 7116' - 7121' - 4 SPF 90* PHASING, 7035' - 7037' 3 SPF 120* PHASING USING 3 3/8" EXP GUN'S, 23 GM, 0.36" (46 HLS). WHP=88#. BRK DN PERF'S @ 2788# @ 3.4 BPM. ISIP=1271, F.G. =.61. CACULATE 28 OF 46 PERF'S OPEN 61%. PMP'D 1668 BBL'S SLK WTR & 72655# SD. ISIP=2306, F.G. =.76, NIP=1035, MP=5071, MR=51.8, AP=3431, AR=51.6 BPM. RIH W/ BACKER 8K CBP, SET KILL PLUG @ 6885'. POOH W/ WIRE LINE. RD CUTTERS AND WEATHERFORD FRACING SERV, ND FRAC VALVES, NU BOPS AND TBG EQUIPMENT. PU POBS W/ PROFILE NIPPLE, 1.781 ID. RIH TO 6886' RU DRILLING EQUIPMENT. ESTABLISH CIRC W/ 2% KCL WTR.

(DRLG CBP#1) @ 6886'. DRILL OUT BKR 8K CBP IN 6 MIN. 400# DIFF. RIH, TAG SD @ 7196', C/O 40' SD.

(DRLG CBP#2) @ 7236'. DRILL OUT BKR 8K CBP IN 8 MIN. 100# DIFF. RIH, TAG SD @ 7447', C/O 30' SD.

(DRLG CBP#3) @ 7477'. DRILL OUT BKR 8K CBP IN 6 MIN. 300# DIFF. RIH, TAG SD @ 7717', C/O 25' SD.

(DRLG CBP#4) @ 7742'. DRILL OUT BKR 8K CBP IN 6 MIN. 400# DIFF. RIH, TAG SD @ 8042', C/O 30' SD.

(DRLG CBP#5) @ 8072'. DRILL OUT BKR 8K CBP IN 5 MIN. 800# DIFF. STOP CIRC HOLE CLEAN. EOT @ 8000'. 5:30 PM, SWI SDFN.

TOTAL WTR USED FOR FRAC JOB'S 9,888 BBL'S, TOTAL SAND USED 278,157#.

08/15/07

FINISH C/O CBP

Days On Completion: 13

Remarks: 7:00 AM, (DAY#4) HELD JSA. SICP= 1800#. BLED DN PRESSURE, RIH TAG SD @ 8344'. ESTABLISH CIRC W/ 2% KCL WTR. C/O30' SD.

(DRLG CBP#6) @ 8374'. DRILL OUT BKR 8K CBP IN 5 MIN. 900# DIFF. RIH TAG SD @ 8635'. C/O 150' SD TO 8785', TOP OF FISH. (2 JT'S 2 3/8" J-55 8-RD TBG, 60.50). 150' R/H FROM BTM PERF @ 8633'. (TOTAL SD C/O 305'.) STOP CIRC WELL CLEAN. LD 29 JT'S. LAND TBG @ 7,851.94'. ND BOP'S AND TBG EQUIPMENT, NU W/H AND F/L. PMP'D 2 BBL'S. PMP'D OFF BIT @ 1500#. SWI FOR 30 MIN'S LET BIT FALL TO BTM. TURN WELL OVER TO FLOW BACK CRAW, CP 2400# TP 152#. PUT WELL ON 20 X 64" CHOKE. RD MOVE RIG TO THE NBU 1022-4E-1T MIRU. 5:30 PM, SDFN. FOR FRAC'S TOTAL FRESH WTR USED 9,888 BBL'S. TOTAL 2% USED 150 BBL'S. TOTAL WTR USED 10, 038 BBL'S. WTR RECOVERED 2300 BBL'S. WTR LEFT TO RECOVER 7,738 BBL'S. TBG HAULD TO LOCATION 301 JT, S 2 3/8" J-55 8-RD. TBG USE FOR PROD, 253 JT'S. TBG LOST IN THE HOLE 2 JT'S. 46 JT'S WAS HAULD BACK TO AZTEC'S PIPE YARD.

FLOWBACK REPORT: CP 2675#, TP 2300#, CK 20/64", 45 BWPH, LOAD REC'D 978 BBLS, LLTR 5109 BBLS

ON SALES: 1281 MCF, 0 BC, 1080 BW, TP: 2525#, CP: 3200#, 20/64 CHK, 13 HRS, LP: 198#.

08/17/07

FLOWBACK REPORT: CP 3150#, TP 2450#, CK 16/64", 20 BWPH, LOAD REC'D 2278 BBLS, LLTR 3809 BBLS

ON SALES: 2202 MCF, 0 BC, 720 BW, TP: 2450#, CP: 3150#, 16/64 CHK, 24 HRS, LP: 201#.

08/18/07

FLOWBACK REPORT: CP 3000#, TP 2350#, CK 16/64", 10 BWPH, LOAD REC'D 2568 BBLS, LLTR 3519 BBLS

ON SALES: 2225 MCF, 0 BC, 480 BW, TP: 2350#, CP: 3000#, 16/64 CHK, 24 HRS, LP: 198#.

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

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		7. UNIT or CA AGREEMENT NAME UNIT #891008900A
3. ADDRESS OF OPERATOR: 1368 S 1200 E VERNAL UT 84078		8. WELL NAME and NUMBER: NBU 922-32N-1T
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1200'FSL, 2329'FWL		9. API NUMBER: 4304738567
AT TOP PRODUCING INTERVAL REPORTED BELOW:		10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES
AT TOTAL DEPTH:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 32 9S 22E
		12. COUNTY UINTAH
		13. STATE UTAH

14. DATE SPUDDED: 5/31/2007	15. DATE T.D. REACHED: 6/29/2007	16. DATE COMPLETED: 8/16/2007	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 4991'GL
18. TOTAL DEPTH: MD 8,950 TVD	19. PLUG BACK T.D.: MD 8,906 TVD	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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (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 H-40	32.3# 36#		2,430		640			
7 7/8"	4 1/2 I-80	11.6#		8,950		1590			

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"	7.852							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) MESAVERDE	7,035	8,633			7,035 8,633	0.36	269	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
7035'-8633'	PMP 9888 BBLS SLICK H2O & 278,157# 30/50 SD

29. ENCLOSED ATTACHMENTS:

<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS	<input type="checkbox"/> GEOLOGIC REPORT	<input type="checkbox"/> DST REPORT	<input type="checkbox"/> DIRECTIONAL SURVEY
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER: _____	

RECEIVED
SEP 10 2007
DIV. OF OIL, GAS & MINING
PROD

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 8/16/2007		TEST DATE: 8/18/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,225	WATER - BBL: 200	PROD. METHOD: FLOWING
CHOKE SIZE: 16/64	TBG. PRESS. 2,350	CSG. PRESS. 3,000	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,225	WATER - BBL: 200	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

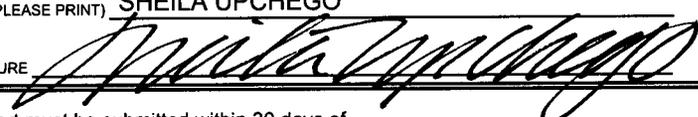
33. SUMMARY OF POROUS ZONES (Include Aquifers):

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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,430 7,027	7,027			

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 9/5/2007

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649
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 922-32N-1T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385670000
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: 1200 FSL 2329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 32 Township: 09.0S 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: 3/31/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR HAS PERFORMED THE TEMPORARILY ABANDON (TA) OPERATIONS ON THE SUBJECT WELL. THE OPERATOR HAS TA'D THIS WELL TO DRILL THE NBU 922-32N PAD WHICH CONSISTS OF THE NBU 922-32M1AS, NBU 922-32M1CS, NBU 922-32N4CS, AND NBU 922-32N4A. PLEASE SEE THE ATTACHMENT FOR OPERATION DETAILS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 April 01, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/1/2010	

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-32N-1T							Spud Date: 6/21/2007			
Project: UTAH-UINTAH				Site: NBU 922-32N-1T			Rig Name No: MILES 2/2			
Event: ABANDONMENT				Start Date: 3/29/2010			End Date: 3/31/2010			
Active Datum: RKB @5,004.99ft (above Mean Sea Level)							UWI: NBU 922-32N-1T			
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation		
3/29/2010	7:00 - 14:00	7.00	ABAND	30	A	P		ROAD RIG FROM NBU 922-25L TO LOC, MIRU, BLOW WELL DN TO TK, PUMP 50 BBLS WTR DN WELL KILLING WELL, N/D WH, N/U BOPS, R/U TBG EQUIP, P/O TBG HANGER,		
	14:00 - 19:00	5.00	ABAND	31	I	P		R/U SCAN TECH TBG INSPECTOR, TOOHO W/ 2 3/8" TBG W/ SCAN OUT OF WELL, THE FIRST 1612' TBG 52 JTS OK, LAY DN JTS BAD TBG, PIN END BAD, THE LAST 32 JTS @ 1000' WAS YELLOW BAND TBG, HAD BAD TBG FROM 1612' TO 6852', HAD TOTAL OF 253 JTS TBG IN WELL, W/ 94 JTS YELLOW BAND AND 159 JTS RED BAND, SHUT WELL IN SDFN,		
3/30/2010	7:00 - 7:15	0.25	ABAND	48		P		JSA-SAFETY MEETING #2, DAY 2		
	7:15 - 10:30	3.25	ABAND	34	I	P		500 # ON WELL, BLOWED DN TO TK, R/U CASED HOLE WIRELINE, RIH W/ 4 1/2" GAUGE RING TO 7000', RIH W/ BAKER 10K CBP, SET CBP @ 6900', R/D WIRELINE,		
	10:30 - 16:00	5.50	ABAND	31	I	P		P/U 2 3/8" NOTCH COLLER TIH W/ 2 3/8" TBG W/ P/U OFF TRAILER AND TALLY TBG, RIH 220 JTS, TAG CBP @ 6900', R/U PUMP, ESTB CIRC DN TBG OUT CSG, CIRC WELL AROUND W/ T-MAC WTR, PRESSURE TEST CSG & CBP TP 1000# FOR 5 MIN, OK, SHUT WELL IN, SDFN,		
3/31/2010	7:00 - 7:30	0.50	ABAND	48		P		JSA-SAFETY MEETING W/ PRO-PETRO & RIG CREW, DAY #3		
	7:30 - 15:00	7.50	ABAND	51	D	P		R/U PRO PETRO CEMENTER, PUMP 10 BBLS FRESH WTR ESTB CIRC, MIX AND PUMP 10 SACKS CLASS G CEMENT THEN FRESH WTR W/ SPOTTING CEMENT FROM 6900' TO 6756', P/O LAY DN 4 JTS TBG 132', HOOK UP REVERSE OUT TBG W/ REVERSE OUT A TRASE OF CEMENT, P/O LAY DN 70 JTS TBG ON TRAILER TO @ 4530', R/U CEMENTER, ESTB CIRC, MIX AND PUMP 15 SACKS CEMENT W/ SPOTTING CEMENT FROM 4530' TO 4330', R/D CEMENTER, TOOHO W/ LAY DN 2 3/8" TBG ON TRAILER, N/D BOPS, R/D TBGF EQUIP, R/D SERVICE UNIT MOVE OFF SIDE LOC, N/D TBG SPOOL, N/U COVER OVER CSG HEAD, FILL IN PIT, CLEAN LOC, SDFN. LOC READY FOR DRILLING RIG		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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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: 1200 FSL 2329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 32 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/24/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
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	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL TO DRILL THE NBU 922-32N PAD, WHICH CONSIST OF THE NBU 922-32M1AS, NBU 922-32M1CS, NBU 922-32N4CS, NBU 922-32N4AS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.

Approved by the Utah Division of Oil, Gas and Mining

Date: March 23, 2010

By: *Derek Quist*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 3/22/2010

NBU 922-32N-1T
 1200 ' FSL & 2329' FWL
 NESESW SEC.32, T9S, R22E
 Uintah County, UT

KBE: 5005'
 GLE: 4991'
 TD: 8950'
 PBDT: 8785'

API NUMBER: 43-047-38567
 LEASE NUMBER: ML-22649
 WINS: 93652
 WI: 100.0000%
 NRI: 83.494445%

CASING: 20" hole
 14" STL 36.7# csg @ 40' GL
 Cemented to surface w/ 28 sx

12 1/4" hole
 9 5/8" 32.3# H-40@ 2430' (KB)
 Cement w/ 640 sx

7.875" hole
 4 1/2" 11.6# I-80 @ 8950'
 Cement w/ 1590 sks, TOC @ 88' per CBL

TUBING: 2 3/8" 4.7# J-55 tubing landed at 7852'

Tubular/Borehole	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# P-110	3.875	7560	10690	0.6528	0.0872	0.01554
9.625" 32.3# H-40	8.845	1400	2270	3.3055	0.4418	0.0787
14" 36.7# Stl						
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01006
4.5" csg X 9 5/8" 32.3# csg				2.4780	0.3314	0.0590
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3436	0.3132	0.0558
9.625" csg X 14" csg				3.4852	0.4659	0.0830
14" csg X 20" borehole						

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Wasatch	4430'
Dark Canyon	7027

Tech. Pub. #92 Base of USDW's

USDW Elevation	1100' MSL
USDW Depth	3905' KBE

PERFORATIONS:

Formation	Date	Top	Btm	SPF	Status
Mesaverde	Aug-07	7035	7037	3	Open
Mesaverde	Aug-07	7116	7121	4	Open
Mesaverde	Aug-07	7178	7180	4	Open
Mesaverde	Aug-07	7203	7206	4	Open
Mesaverde	Aug-07	7342	7346	4	Open
Mesaverde	Aug-07	7418	7420	4	Open
Mesaverde	Aug-07	7442	7447	4	Open
Mesaverde	Aug-07	7599	7604	4	Open
Mesaverde	Aug-07	7687	7690	3	Open
Mesaverde	Aug-07	7708	7712	4	Open
Mesaverde	Aug-07	7936	7939	3	Open
Mesaverde	Aug-07	7950	7955	4	Open
Mesaverde	Aug-07	8037	8042	3	Open
Mesaverde	Aug-07	8101	8102	4	Open
Mesaverde	Aug-07	8194	8195	4	Open
Mesaverde	Aug-07	8227	8229	4	Open
Mesaverde	Aug-07	8298	8298	4	Open
Mesaverde	Aug-07	8340	8344	4	Open
Mesaverde	Aug-07	8426	8428	4	Open
Mesaverde	Aug-07	8518	8520	4	Open
Mesaverde	Aug-07	8545	8546	4	Open
Mesaverde	Aug-07	8602	8606	3	Open
Mesaverde	Aug-07	8630	8633	4	Open

WELL HISTORY:

- Spud Well 6/21/07, TD'd 6/29/07
- 8/13/07 - Completed MV interval f/ 8633' - 7035'. Slickwater frac in 6 stages using 376,257# sand & 9888 bbls slickwater.
- 9/2/07 - Well IP'd - 2225 MCF, 0 BC, 480 BW, TP: 2350#, CP: 3000#, 16/64 CHK, 24 HRS, LP: 198#.

Recommended future action for disposition of well bore:

Temporarily abandon the wellbore during the drilling and completion operations of the NBU 922-32N pad wells. Return to production as soon as possible once completions are done.

NBU 922-32N-1T TEMPORARY ABANDONMENT PROCEDURE

GENERAL

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

PROCEDURE

Note: An estimated 23 sx Class "G" cement needed for procedure

Note: Gyro ran to 7800'

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
3. **PLUG #1, ISOLATE MESAVERDE PERFORATIONS (7035' - 8633')**: RIH W/ 4 1/2" CBP. SET @ ~6985'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 4.36 CUFT. (~4 CUFT) ON TOP OF PLUG. PUH ABOVE TOC (~6935'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, PROTECT WASATCH TOP (4430')**: PUH TO ~4530'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 17.44 CUFT (~15 SX) AND BALANCE PLUG W/ TOC @ ~4330' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 3/22/10

<p>STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING</p>	<p>FORM 9</p>
<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>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.</p>	<p>5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</p> <p>7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES</p> <p>8. WELL NAME and NUMBER: NBU 922-32N-1T</p> <p>9. API NUMBER: 43047385670000</p> <p>9. FIELD and POOL or WILDCAT: NATURAL BUTTES</p> <p>COUNTY: UINTAH</p> <p>STATE: UTAH</p>
<p>1. TYPE OF WELL Gas Well</p>	
<p>2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.</p>	
<p>3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779</p>	<p>PHONE NUMBER: 720 929-6007 Ext</p>
<p>4. LOCATION OF WELL FOOTAGES AT SURFACE: 1200 FSL 2329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 32 Township: 09.0S Range: 22.0E Meridian: S</p>	

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: 3/31/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR HAS PERFORMED THE TEMPORARILY ABANDON (TA) OPERATIONS ON THE SUBJECT WELL. THE OPERATOR HAS TA'D THIS WELL TO DRILL THE NBU 922-32N PAD WHICH CONSISTS OF THE NBU 922-32M1AS, NBU 922-32M1CS, NBU 922-32N4CS, AND NBU 922-32N4A. PLEASE SEE THE ATTACHMENT FOR OPERATION DETAILS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 April 01, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/1/2010	

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-32N-1T							Spud Date: 6/21/2007			
Project: UTAH-UINTAH				Site: NBU 922-32N-1T			Rig Name No: MILES 2/2			
Event: ABANDONMENT				Start Date: 3/29/2010			End Date: 3/31/2010			
Active Datum: RKB @5,004.99ft (above Mean Sea Level)							UWI: NBU 922-32N-1T			
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation		
3/29/2010	7:00 - 14:00	7.00	ABAND	30	A	P		ROAD RIG FROM NBU 922-25L TO LOC, MIRU, BLOW WELL DN TO TK, PUMP 50 BBLS WTR DN WELL KILLING WELL, N/D WH, N/U BOPS, R/U TBG EQUIP, P/O TBG HANGER,		
	14:00 - 19:00	5.00	ABAND	31	I	P		R/U SCAN TECH TBG INSPECTOR, TOOHO W/ 2 3/8" TBG W/ SCAN OUT OF WELL, THE FIRST 1612' TBG 52 JTS OK, LAY DN JTS BAD TBG, PIN END BAD, THE LAST 32 JTS @ 1000' WAS YELLOW BAND TBG, HAD BAD TBG FROM 1612' TO 6852', HAD TOTAL OF 253 JTS TBG IN WELL, W/ 94 JTS YELLOW BAND AND 159 JTS RED BAND, SHUT WELL IN SDFN,		
3/30/2010	7:00 - 7:15	0.25	ABAND	48		P		JSA-SAFETY MEETING #2, DAY 2		
	7:15 - 10:30	3.25	ABAND	34	I	P		500 # ON WELL, BLOWED DN TO TK, R/U CASED HOLE WIRELINE, RIH W/ 4 1/2" GAUGE RING TO 7000', RIH W/ BAKER 10K CBP, SET CBP @ 6900', R/D WIRELINE,		
	10:30 - 16:00	5.50	ABAND	31	I	P		P/U 2 3/8" NOTCH COLLER TIH W/ 2 3/8" TBG W/ P/U OFF TRAILER AND TALLY TBG, RIH 220 JTS, TAG CBP @ 6900', R/U PUMP, ESTB CIRC DN TBG OUT CSG, CIRC WELL AROUND W/ T-MAC WTR, PRESSURE TEST CSG & CBP TP 1000# FOR 5 MIN, OK, SHUT WELL IN, SDFN,		
3/31/2010	7:00 - 7:30	0.50	ABAND	48		P		JSA-SAFETY MEETING W/ PRO-PETRO & RIG CREW, DAY #3		
	7:30 - 15:00	7.50	ABAND	51	D	P		R/U PRO PETRO CEMENTER, PUMP 10 BBLS FRESH WTR ESTB CIRC, MIX AND PUMP 10 SACKS CLASS G CEMENT THEN FRESH WTR W/ SPOTTING CEMENT FROM 6900' TO 6756', P/O LAY DN 4 JTS TBG 132', HOOK UP REVERSE OUT TBG W/ REVERSE OUT A TRASE OF CEMENT, P/O LAY DN 70 JTS TBG ON TRAILER TO @ 4530', R/U CEMENTER, ESTB CIRC, MIX AND PUMP 15 SACKS CEMENT W/ SPOTTING CEMENT FROM 4530' TO 4330', R/D CEMENTER, TOOHO W/ LAY DN 2 3/8" TBG ON TRAILER, N/D BOPS, R/D TBGF EQUIP, R/D SERVICE UNIT MOVE OFF SIDE LOC, N/D TBG SPOOL, N/U COVER OVER CSG HEAD, FILL IN PIT, CLEAN LOC, SDFN. LOC READY FOR DRILLING RIG		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649
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 922-32N-1T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047385670000
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: 1200 FSL 2329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 32 Township: 09.0S 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: 10/21/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<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
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

This well location was temporarily abandoned to drill the NBU 922-32N Pad, which consists of the following wells: NBU 922-32M1AS, NBU 922-32M1CS, NBU 922-32N4CS and NBU 922-32N4AS. On October 21, 2010 at 10:30am this well was returned to production. Attached is the return to production chronological well history report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 26, 2010

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 10/25/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22649
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 922-32N-1T
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1200 FSL 2329 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 32 Township: 09.0S Range: 22.0E Meridian: S	9. API NUMBER: 43047385670000
5. PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/6/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> 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 and commingle with the existing Mesaverde formation. Please see the attached procedure. Thank you

Approved by the Utah Division of Oil, Gas and Mining
Date: March 14, 2013
By: *D. K. Duff*

NAME (PLEASE PRINT) Lindsey Frazier	PHONE NUMBER 720 929-6857	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 3/6/2013	



Greater Natural Buttes Unit

NBU 922-32N-1T
RE-COMPLETIONS PROCEDURE
NBU 922-32N PAD
FIELD ID: RED WELL

DATE: 2/13/13
AFE#: 2082578
API#: 4304738567
USER ID: VYI537 (Frac Invoices Only)

COMPLETIONS ENGINEER: Paul Ryza , Denver, CO
(720) 929-6348 (Office)
(936) 499-6895 (Cell)

REMEMBER SAFETY FIRST!

Name: NBU 922-32N-1T
Location: NE SE SW Sec 32 T9S R22E
LAT: 39.988546 **LONG:** -109.464973 **COORDINATE:** NAD83 (Surface Location)
Uintah County, UT
Date: 2/13/13

ELEVATIONS: 4991' GL 5005' KB *Frac Registry TVD: 8939'*

TOTAL DEPTH: 8950' **PBTD:** 8785'
SURFACE CASING: 9 5/8", 32# & 36#, H-40 & J-55 LTC @ 2394'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LTC @ 8950'
 Marker Joint **4230-4250'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl./ft)	(gal./ft)
2 3/8" 4.7# L-80 tbg	11,200	11,780	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
4 1/2" 11.6# P-110	10691	7580	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1215' Green River Top (Estimated)
 1500' Bird's Nest Top (Estimated)
 2000' Mahogany Top (Estimated)
 4430' Wasatch Top
 6995' Mesaverde Top
 *Based on latest geological interpretation

BOTTOMS:

6995' Wasatch Bottom
 8950' Mesaverde Bottom (TD)

T.O.C. @ 430'

**Based on latest interpretation of CBL

GENERAL NOTES:

- **Please note that:**
 - All stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.
 - CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.
- A minimum of 9 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 Cutter's CBL log dated 8/7/07.
- 4 fracturing stages required for coverage.
- Hydraulic isolation estimated at 2330' based upon Cutter's CBL dated 8/7/07.
- Procedure calls for 5 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 0.5 gpt. Remember to pre-load the casing with scale inhibitor.
- **This is a NO Clay stabilizer pilot *** Please Do NOT pump Clay Stabilizer *****

- **This is a Reduced Surfactant pilot *** Please pump surfactant at 0.75 gpt *****
- FR will be pumped at 0.3 gpt for this well. This concentration will be raised or lowered on the job at the discretion of the APC foreman per the well's treating pressure.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200 psi.**
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- 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 densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.
- Max Sand Concentration: Wasatch 2 ppg;
- 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 1, 2 & 3- OVERFLUSH BY 5 BBLS**
- **If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work**

Existing Perforations:

<u>PERFORATIONS</u>						
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>
MESA VERDE		7035	7037	3	6	08/14/2007
MESA VERDE		7116	7121	4	20	08/14/2007
MESA VERDE		7178	7180	4	8	08/14/2007
MESA VERDE		7203	7206	4	12	08/14/2007
MESA VERDE		7342	7346	4	16	08/13/2007
MESA VERDE		7418	7420	4	8	08/13/2007
MESA VERDE		7442	7447	4	20	08/13/2007
MESA VERDE		7599	7604	4	20	08/13/2007
MESA VERDE		7687	7690	3	9	08/13/2007
MESA VERDE		7708	7712	4	16	08/13/2007
MESA VERDE		7936	7939	3	9	08/13/2007
MESA VERDE		7950	7955	4	20	08/13/2007
MESA VERDE		8037	8042	3	15	08/13/2007
MESA VERDE		8101	8102	4	4	08/13/2007
MESA VERDE		8194	8195	4	4	08/13/2007
MESA VERDE		8227	8229	4	8	08/13/2007
MESA VERDE		8298	8298	4	0	08/13/2007
MESA VERDE		8340	8344	4	16	08/13/2007
MESA VERDE		8426	8428	4	8	08/13/2007
MESA VERDE		8518	8520	4	8	08/13/2007
MESA VERDE		8545	8546	4	4	08/13/2007
MESA VERDE		8602	8606	3	12	08/13/2007
MESA VERDE		8630	8633	4	12	08/13/2007

Relevant History:

- 8/13/07: Originally completed in Mesaverde formation (6 stages) with ~ 415,423 gallons of Slickwater and 375,089 lbs of 30/50 Ottawa Sand sand.
- 3/29/10: T&A'd while drilling rest of wells on the pad.
- 10/7/10: Returned to production.
- 4/5/12: Last slickline report:
Rig up wireline. Scratch tight from 200-600-700-900,4700-4900,7400-7835. pooh. Blow till unloaded. Rih jar up on spring @ 7835 for 40 mins. Pooh. Rih get td @ 8450. pooh. Broach to 7835. pooh. Chase spring tom 7835. pooh. Rig down.
- 7/13/12: Swabbing Report:
MADE 5 RUNS AND PULLED 18 BBLS RTP
- 2/13/13: Tubing Currently Landed @~7840'

H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
8/31/2007	652.65	153.48	0.00	235.17	
9/30/2007	1202.80	25.23	0.00	20.98	
10/31/2007	1584.35	77.94	10.32	55.71	
11/30/2007	1326.67	100.33	7.23	81.08	
12/31/2007	1211.61	67.58	5.97	60.70	
1/31/2008	1056.77	68.35	7.58	71.86	
2/29/2008	994.69	61.48	5.45	67.29	
3/31/2008	925.74	50.45	4.45	59.31	
4/30/2008	861.47	51.47	3.53	63.84	
5/31/2008	820.77	47.74	2.84	61.63	
6/30/2008	777.33	47.73	1.50	63.34	
7/31/2008	736.10	40.32	1.61	56.97	
8/31/2008	701.42	41.10	1.23	60.34	
9/30/2008	647.27	31.23	1.67	50.83	
10/31/2008	656.06	40.55	2.81	66.08	
11/30/2008	616.00	32.63	2.07	56.33	
12/31/2008	578.84	23.65	1.74	43.86	
1/31/2009	579.45	23.00	1.58	42.42	
2/28/2009	566.00	23.25	1.75	44.17	
3/31/2009	544.03	24.58	1.71	48.32	15.00
4/30/2009	547.17	24.57	1.50	47.64	
5/31/2009	513.10	32.19	1.65	65.95	14.00
6/30/2009	513.57	28.60	1.77	59.13	5.00
7/31/2009	495.61	28.61	1.52	60.79	10.00
8/31/2009	503.45	19.45	0.87	40.37	6.00
9/30/2009	467.67	5.60	0.33	12.69	0.00
10/31/2009	464.06	26.00	0.48	57.07	6.00

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
11/30/2009	397.13	13.70	0.40	35.50	6.00
12/31/2009	192.71	6.61	0.23	35.49	0.00
1/31/2010	354.84	6.06	0.77	19.27	1.00
2/28/2010	338.11	11.00	0.18	33.06	
3/31/2010	439.71	7.52	0.52	18.27	
4/30/2010	0.00	0.00	0.00	#NA	
5/31/2010	0.00	0.00	0.00	#NA	
6/30/2010	0.00	0.00	0.00	#NA	
7/31/2010	0.00	0.00	0.00	#NA	
8/31/2010	0.00	0.00	0.00	#NA	
9/30/2010	0.00	0.00	0.00	#NA	
10/31/2010	520.45	8.06	0.52	16.49	6.00
11/30/2010	337.40	14.87	1.60	48.80	
12/31/2010	522.48	23.77	1.52	48.40	0.00
1/31/2011	396.19	20.16	1.06	53.57	
2/28/2011	355.04	25.79	0.89	75.14	
3/31/2011	308.52	15.87	0.13	51.86	
4/30/2011	258.90	19.73	0.73	79.05	15.00
5/31/2011	253.39	18.16	2.61	81.99	
6/30/2011	201.47	14.83	0.80	77.60	
7/31/2011	284.23	27.68	0.61	99.53	25.00
8/31/2011	164.84	27.29	0.45	168.30	6.00
9/30/2011	201.83	28.20	0.40	141.70	30.00
10/31/2011	147.84	26.35	0.42	181.10	
11/30/2011	232.93	20.43	0.17	88.44	30.00
12/31/2011	211.32	15.10	0.00	71.44	20.00
1/31/2012	189.61	14.06	0.00	74.17	25.00

2/29/2012	216.52	4.45	0.00	20.54	27.00
3/31/2012	208.94	0.00	0.00	0.00	27.00
4/30/2012	199.00	0.00	0.00	0.00	69.00
5/31/2012	163.84	0.00	0.00	0.00	13.00
6/30/2012	154.40	0.00	0.00	0.00	
7/31/2012	112.39	0.00	0.00	0.00	
8/31/2012	150.71	0.00	0.00	0.00	
9/30/2012	130.77	0.00	0.00	0.00	19.00
10/31/2012	139.06	0.00	0.00	0.00	
11/30/2012	173.57	0.00	0.00	0.00	
12/31/2012	155.97	0.00	0.00	0.00	31.00
1/31/2013	135.35	0.00	0.00	0.00	0.00

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. The tubing is below the proposed CBP depth. TOO H with 2-3/8", 4.7#, J-55 tubing. Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 6964' (50' below proposed CBP). Otherwise P/U a mill and C/O to 6964' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6914'. ND BOPs and NU frac valves Test frac valves and casing to to **6200 psi** for 15 minutes; if pressure test fails contact Denver engineer and see notes above. **Lock OPEN the Braden head valve**. Flow from annulus will be visually 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. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.

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

Zone	From	To	spf	# of shots
WASATCH	6664	6665	3	3
WASATCH	6676	6677	3	3
WASATCH	6693	6694	3	3
WASATCH	6719	6720	3	3
WASATCH	6733	6734	3	3
WASATCH	6786	6787	3	3
WASATCH	6846	6847	3	3
WASATCH	6883	6884	3	3

7. 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 ~6664' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BLS

8. Set 8000 psi CBP at ~6651'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6408	6409	3	3
WASATCH	6446	6447	3	3
WASATCH	6460	6461	3	3
WASATCH	6487	6488	3	3
WASATCH	6511	6512	3	3
WASATCH	6582	6583	3	3
WASATCH	6627	6628	3	3
WASATCH	6640	6641	3	3

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6408' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BLS

10. Set 8000 psi CBP at ~6381'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6150	6151	3	3
WASATCH	6168	6169	3	3

WASATCH	6174	6175	3	3
WASATCH	6254	6255	3	3
WASATCH	6308	6309	3	3
WASATCH	6324	6325	3	3
WASATCH	6370	6371	3	3

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6150' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLs

12. Set 8000 psi CBP at ~6126'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5846	5847	3	3
WASATCH	5936	5937	3	3
WASATCH	6012	6013	3	3
WASATCH	6043	6045	3	6
WASATCH	6094	6096	3	6

13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5846' and flush only with recycled water.

14. Set 8000 psi CBP at~5796'.

15. ND Frac Valves, NU and Test BOPs.

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

17. Drill 4 plugs and clean out to a depth of 6904' (~ 20' below bottom perfs).

18. Shear off bit and land tubing at 6634'. Flow back completion load. RDMO

19. MIRU, POOH tbg and POBS. TIH with POBS.

20. Drill last plug @ 6914' clean out to PBTD at 8785'. Shear off bit and land tubing at ±7840'. This well WILL be commingled at this time.

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

22. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

Completion Engineer

Paul Ryza: 936/499-6895, 720/929-6915

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Laura M. Wellman: 435/781-9748, 435/322-0118

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

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 BBL 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 BBL 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

Name NBU 922-32N-1T
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	6664	6665	3	3	6659.75	to	6884.75
	WASATCH	6676	6677	3	3			
	WASATCH	6693	6694	3	3			
	WASATCH	6719	6720	3	3			
	WASATCH	6733	6734	3	3			
	WASATCH	6786	6787	3	3			
	WASATCH	6846	6847	3	3			
	WASATCH	6883	6884	3	3			
	# of Perfs/stage				24	CBP DEPTH	6,651	
2	WASATCH	6408	6409	3	3	6407	to	6643
	WASATCH	6446	6447	3	3			
	WASATCH	6460	6461	3	3			
	WASATCH	6487	6488	3	3			
	WASATCH	6511	6512	3	3			
	WASATCH	6582	6583	3	3			
	WASATCH	6627	6628	3	3			
	WASATCH	6640	6641	3	3			
	# of Perfs/stage				24	CBP DEPTH	6,381	
3	WASATCH	6150	6151	3	3	6148	to	6372
	WASATCH	6168	6169	3	3			
	WASATCH	6174	6175	3	3			
	WASATCH	6254	6255	3	3			
	WASATCH	6308	6309	3	3			
	WASATCH	6324	6325	3	3			
	WASATCH	6370	6371	3	3			
	# of Perfs/stage				21	CBP DEPTH	6,126	
4	WASATCH	5846	5847	3	3	5846	to	6098
	WASATCH	5936	5937	3	3			
	WASATCH	6012	6013	3	3			
	WASATCH	6043	6045	3	6			
	WASATCH	6094	6096	3	6			
	# of Perfs/stage				21	CBP DEPTH	5,796	
	Totals				90			Total

Fracturing Schedules

Name NBU 922-32N-1T
Slickwater Frac

Casing Size	4.5
Recomplete?	Y
Pad?	Y
ACTS?	N

Swabbing Days	3
Production Log	0
DFT	0
GR only	Y
Low Scale	Y
Clay Stab.	N

Enter Number of swabbing days here for recompletes
 Enter 1 if running a Production Log
 Enter Number of DFTs
 Enter Y if only Gamma Ray log was run
 Enter Y if a LOW concentration of Scale Inhibitor will be pumped
 Enter N if there will be NO Clay stabilizer

Copy to new book

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	% of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top ft.	Bot. ft.																	
1	WASATCH	6664	6665	3	3	Varied	Pre-Pad & Pump-in test			Slickwater	4,350	4,350	104	104						2
	WASATCH	6676	6677	3	3	0	ISIP and 5 min ISIP			Slickwater	6,563	10,913	156	260	15.0%	0.0%	0	0		3
	WASATCH	6693	6694	3	3	50	Slickwater Pad	0.25	1	Slickwater	21,875	32,788	521	781	50.0%	37.3%	13,672	13,672	11	
	WASATCH	6719	6720	3	3	50	Slickwater Ramp	1	2	Slickwater	15,313	48,100	365	1,145	35.0%	62.7%	22,969	36,641	8	
	WASATCH	6733	6734	3	3	50	Slickwater Ramp			Slickwater	4,350	52,451	104	1,249				36,641	2	
	WASATCH	6786	6787	3	3	50	Flush (4-1/2)			Slickwater										0
	WASATCH	6846	6847	3	3	ISDP and 5 min ISDP				Slickwater										0
	WASATCH	6883	6884	3	3					Slickwater										0
	WASATCH									Sand laden Volume	43,750					gal/ft	625	523 lbs sand/ft		26
	WASATCH				24															
2	WASATCH	6408	6409	3	3	25.0	<< Above pump time (min)			Slickwater	0	0	0	0						
	WASATCH	6446	6447	3	3	Varied	Pump-in test			Slickwater	4,688	4,688	112	112	15.0%	0.0%	0	0		2
	WASATCH	6460	6461	3	3	0	ISIP and 5 min ISIP	0.25	1	Slickwater	15,625	20,313	372	484	50.0%	37.3%	9,766	9,766	8	
	WASATCH	6487	6488	3	3	50	Slickwater Pad	1	2	Slickwater	10,938	31,250	260	744	35.0%	62.7%	16,406	26,172	5	
	WASATCH	6511	6512	3	3	50	Slickwater Ramp			Slickwater	4,183	35,433	100	844				26,172	2	
	WASATCH	6582	6583	3	3	50	Flush (4-1/2)			Slickwater										0
	WASATCH	6627	6628	3	3	ISDP and 5 min ISDP				Slickwater										0
	WASATCH	6640	6641	3	3					Slickwater										0
	WASATCH									Sand laden Volume	31,250					gal/ft	625	523 lbs sand/ft		18
	WASATCH				24															
	WASATCH					16.9	<< Above pump time (min)													



Job Number: 083217505275 State/Country: Utah/USA
 Company: Kerr McGee Oil & Gas (Anadarko) Declination: 11.50°
 Lease/Well: NBU 922-32N-1T Grid: East To Grid
 Location: Uintah County, Utah File name: F:\SURVEY\2008SU-1\KERRMC-1\NBU32N1
 Rig Name: Delsco Northwest Date/Time: 18-Apr-08 / 13:01
 RKB: Curve Name: Surface - 7800' M.D. (gyroscopic)
 G.L. or M.S.L.:

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane .00

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft , NS=.00 Ft

Rectangular Coordinates Referenced to Wellhead

Measured Depth	Incl Angle	Drift Direction	TRUE Vertical	N-S	E-W	Vertical Section	CLOSURE Distance	CLOSURE Direction	Dogleg Severity
FT	Deg	Deg	Depth	FT	FT	FT	FT	Deg	Deg/100
0	0	0	0	0	0	0	0	0	0
100	0.25	188	100	-0.22	-0.03	-0.22	0.22	188	0.25
200	0.25	195.28	200	-0.64	-0.12	-0.64	0.65	190.42	0.03
300	0.5	100.55	300	-0.93	0.25	-0.93	0.97	164.81	0.58
400	0.5	103.83	399.99	-1.12	1.11	-1.12	1.57	135.29	0.03
500	0.5	180.1	499.99	-1.66	1.53	-1.66	2.26	137.32	0.62
600	0.25	169.38	599.99	-2.31	1.57	-2.31	2.79	145.81	0.26
700	0	0	699.99	-2.52	1.61	-2.52	2.99	147.48	0.25
800	0.5	142.92	799.99	-2.87	1.87	-2.87	3.43	146.9	0.5
900	0.25	168.2	899.98	-3.43	2.18	-3.43	4.07	147.59	0.29
1000	0.25	140.48	999.98	-3.81	2.36	-3.81	4.49	148.23	0.12
1100	0.75	78.75	1099.98	-3.86	3.14	-3.86	4.97	140.81	0.67
1200	1	64.41	1199.97	-3.35	4.57	-3.35	5.67	126.23	0.33
1300	0.5	63.68	1299.96	-2.78	5.75	-2.78	6.39	115.8	0.5
1400	1	35.95	1399.95	-1.88	6.65	-1.88	6.91	105.78	0.6
1500	1.25	1.22	1499.93	-0.08	7.19	-0.08	7.19	90.66	0.71
1600	1.25	20.5	1599.91	2.03	7.59	2.03	7.86	75.04	0.42
1700	1.25	16.78	1699.89	4.09	8.29	4.09	9.25	63.72	0.08
1800	0.75	17.05	1799.87	5.76	8.8	5.76	10.52	56.77	0.5
1900	1	19.33	1899.86	7.21	9.28	7.21	11.75	52.14	0.25
2000	0.25	55.6	1999.85	8.16	9.75	8.16	12.71	50.06	0.81
2100	0.25	32.88	2099.85	8.47	10.05	8.47	13.14	49.88	0.1
2200	0.5	42.15	2199.85	8.97	10.46	8.97	13.78	49.37	0.26
2300	0.75	74.43	2299.84	9.47	11.38	9.47	14.81	50.23	0.42
2400	0.5	82.7	2399.84	9.7	12.44	9.7	15.78	52.05	0.27
2500	0.75	136.97	2499.83	9.28	13.32	9.28	16.24	55.14	0.61
2600	1.5	159.24	2599.81	7.58	14.23	7.58	16.13	61.97	0.85
2700	2	153.51	2699.77	4.79	15.48	4.79	16.2	72.79	0.53
2800	1.75	167.79	2799.71	1.74	16.58	1.74	16.67	84.01	0.53
2900	2.25	169.06	2899.65	-1.68	17.27	-1.68	17.35	95.56	0.5
3000	2.25	180.34	2999.57	-5.57	17.63	-5.57	18.49	107.53	0.44
3200	2.75	170.6	3199.38	-14.23	18.39	-14.23	23.26	127.73	0.33
3400	2.5	158.87	3399.18	-23.03	20.75	-23.03	31	137.98	0.3
3600	2.75	170.15	3598.97	-31.83	23.14	-31.83	39.35	143.98	0.29
3800	2.5	155.42	3798.76	-40.52	25.78	-40.52	48.03	147.54	0.36
4000	2.75	156.69	3998.55	-48.9	29.49	-48.9	57.1	148.9	0.13
4200	2.5	157.98	4198.34	-57.35	33.03	-57.35	66.18	150.06	0.13
4400	2.75	156.62	4398.13	-65.79	36.56	-65.79	75.27	150.94	0.13
4600	3	160.89	4597.88	-75.14	40.18	-75.14	85.21	151.86	0.16
4800	3.25	159.16	4797.58	-85.39	43.91	-85.39	96.02	152.78	0.13
5000	3.25	166.43	4997.26	-96.19	47.26	-96.19	107.18	153.84	0.21
5200	3	148.72	5196.97	-106.18	51.31	-106.18	117.93	154.21	0.5
5400	3.5	172.98	5396.65	-116.71	54.77	-116.71	128.92	154.86	0.73
5600	3.5	167.25	5596.28	-128.72	56.86	-128.72	140.73	156.17	0.17
5800	3.5	145.53	5795.92	-139.71	61.67	-139.71	152.72	156.18	0.66
6000	3.5	147.81	5995.54	-149.91	68.37	-149.91	164.77	155.48	0.07
6200	3.5	146.08	6195.17	-160.14	75.03	-160.14	176.85	154.9	0.05
6400	4.25	147.33	6394.71	-171.45	82.44	-171.45	190.24	154.32	0.38
6600	3.5	154.63	6594.25	-183.2	89.06	-183.2	203.7	154.08	0.45
6800	4.25	162.12	6793.8	-195.77	93.95	-195.77	217.15	154.36	0.45
7000	3.75	157.67	6993.31	-208.88	98.71	-208.88	231.02	154.71	0.29
7200	3.5	151.2	7192.91	-220.28	104.13	-220.28	243.65	154.7	0.24
7400	3.5	147.73	7392.54	-230.79	110.33	-230.79	255.81	154.45	0.11
7600	4.25	143.24	7592.08	-241.89	118.03	-241.89	269.15	153.99	0.4
7800	4	135.79	7791.56	-252.82	127.33	-252.82	283.08	153.27	0.3

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

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME UTU63047A
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER RECOMPLETION		8. WELL NAME and NUMBER: NBU 922-32N-1T
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 4304738567
3. ADDRESS OF OPERATOR: P.O. BOX 173779 CITY DENVER STATE CO ZIP 80217		10 FIELD AND POOL, OR WILDCAT NATURAL BUTTES
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: SWSE 1200 FSL 2329 FWL S32, T9S, R22E AT TOP PRODUCING INTERVAL REPORTED BELOW: _____ AT TOTAL DEPTH: _____		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 9S 22E S
		12. COUNTY UINTAH
		13. STATE UTAH

14. DATE SPUDDED: 5/31/2007	15. DATE T.D. REACHED: 6/29/2007	16. DATE COMPLETED: 5/22/2013	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5005 RKB
18. TOTAL DEPTH: MD 8,950 TVD _____	19. PLUG BACK T.D.: MD 8,906 TVD _____	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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (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			
11"	9 5/8" H-40	32.3# 36#		2,430		640			
7 7/8"	4 1/2" I-80	11.6#		8,950		1,590		430	

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"	8,736							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) WASATCH	5,846	6,884			5,846 6,884	0.36	90	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
5846-6884	PUMP 3,514 BBLs SLICK H2O & 102,766 LBS 30/50 OTTAWA SAND
	4 STAGES

29. ENCLOSED ATTACHMENTS: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____ <input type="checkbox"/> DIRECTIONAL SURVEY	30. WELL STATUS: PROD
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/22/2013		TEST DATE: 6/8/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 243	WATER - BBL: 0	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 171	CSG. PRESS. 490	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 243	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	1,215
				BIRD'S NEST	1,500
				MAHOGANY	2,000
				WASATCH	4,430
				MESAVERDE	6,995

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 5846-6884; existing perforations: Mesaverde 7035-8633. The Iso plug separating new perforations from old perforations at 6914 was drilled out on 6/13/2013 fully commingling the well.

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

NAME (PLEASE PRINT) TEENA PAULO TITLE STAFF REGULATORY SPECIALIST
 SIGNATURE  DATE 6/24/13

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 Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 922-32N-1T [RED]					Spud Date: 6/21/2007			
Project: UTAH-UINTAH			Site: NBU 922-32N PAD			Rig Name No: GWS 1/1		
Event: RECOMPL/RESEREVEADD			Start Date: 5/21/2013		End Date: 5/22/2013			
Active Datum: RKB @5,004.99usft (above Mean Sea Level)				UWI: NBU 922-32N-1T				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/9/2013	10:00 - 17:00	7.00	SUBSPR	30		P		FWP= 150 PSI, RIG UP RIG OPEN WELL TO FBT CONTROL TUBING W/ TMAC ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP CONTROL CSG W/ TMAC UNLAND TUBING LD HNGR, RU SCAN UNIT POOH SCAN TUBING POOH W/ 138 JNTS EOT @ 3420' OPEN WELL TO SALES SDFN
5/10/2013	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= W/L SAFETY
	7:15 - 17:00	9.75	SUBSPR	30		P		FWP= 150 PSI, CONTROL W/ TMAC RU SCAN TECH CONTINUE TO POOH SCAN TUBING POOH W/ 247 JNTS (184 YB, 46 BB, 17 RB) RD SCAN TECH, RU W/L RIH W/ GUAGE RING TO 6970', POOH PU 10K CBP RIH SET @ 6920' POOH RD W/L RD FLOOR & TUBING EQUIP ND BOPS NU FRAC VALVES FILL HOLE W/ TMAC RU TESTER & TEST TO 6200 PSI RIG DOWN RIG & EQUIP MOVE TO 25I PAD SDFW
5/14/2013	6:45 - 7:00	0.25	FRAC	48		P		HSM, STAYING OUT OF HIGH PRESSURE AREA
	7:00 - 8:00	1.00	SUBSPR	37	B	P		MIRU CASED HOLE SOLUTIONS, PERFORATE STG #1 AS OUTLINED IN PROCEDURE
	8:00 - 17:30	9.50	FRAC	36	B	P		REFER TO STIMULATION PJR FOR FLUID, SAND AND CHEMICAL VOLUMES, ALL STAGES WERE PERFORATED ACCORDING TO PERF RECORD IN OPEN WELLS, ALL STAGES WERE STIMULATED TO VENDOR POST JOB REPORT. ALL PLUGS ARE HALIBURTON 8K CBPS
								FRAC STG #1] WHP=368#, BRK DN PERFS=3,263#, @=4.9 BPM, INTIAL ISIP=1,669#, FG=.69, FINAL ISIP=2,395#, FG=.79,
								SET PLUG & PERFORATE STG #2 [MISSFIRE, SET PLUG BOTTOM 2 GUNS SHOT, REST WENT SHORT POOH TO FIX PROBLEM]
								FRAC STG #2] WHP=185#, BRK DN PERFS=2,821#, @=4.8 BPM, INTIAL ISIP=1,868#, FG=.73, FINAL ISIP=2,072#, FG=.76,
								SET PLUG & PERFORATE STG #3
								FRAC STG #3] WHP=1,606#, BRK DN PERFS=2,369#, @=4.7 BPM, INTIAL ISIP=1,816#, FG=.73, FINAL ISIP=1,766#, FG=.72,
								SET PLUG & PERFORATE STG #4 SWFN.
5/15/2013	7:00 - 7:15	0.25	FRAC	48		P		HSM, BLEEDING OFF PRESSURE

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 922-32N-1T [RED]					Spud Date: 6/21/2007				
Project: UTAH-UINTAH			Site: NBU 922-32N PAD			Rig Name No: GWS 1/1			
Event: RECOMPL/RESEREVEADD			Start Date: 5/21/2013		End Date: 5/22/2013				
Active Datum: RKB @5,004.99usft (above Mean Sea Level)				UWI: NBU 922-32N-1T					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	7:15 - 14:00	6.75	FRAC	36	B	P		FRAC STG #4] WHP=925#, BRK DN PERFS=2,127#, @=4.8 BPM, INTIAL ISIP=1,068#, FG=.62, FINAL ISIP=1,531#, FG=.70,	
								SET TOP KILL	
								TOTAL BBLS= 3514	
								TOTAL SAND= 102766	
5/21/2013	7:00 - 7:15	0.25	DRLOUT	48		P		JSA= RU RIG	
	7:15 - 17:00	9.75	DRLOUT	30		P		RD RIG ON 32N4AS MOV RU ON 32N-1T RU RIG ND W/H NU BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" BIT PMP OPEN B.S. & 1.87XN NPL TALLY & PU TUBING RIH TAG 1ST CBP @ 5796' RU DRILLING EQUIP EST CIRC TEST BOPS TO 3000 PSI SIW SDFN	
5/22/2013	7:00 - 7:15	0.25	DRLOUT	48		P		JSA= DRILLING EQUIP	
	7:15 - 17:00	9.75	DRLOUT	30		P		EST CIRC DRILL THRU 1ST CBP @ 5796' PLUG #1] DRILL THRU HALLI 8K CBP @ 5796' IN 9 MIN W/ 150# INCREASE	
								PLUG #2] CONTINUE TO RIH TAG SAND @ 6096' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 6126' IN 9 MIN W/ 100# INCREASE	
								PLUG #3] CONTINUE TO RIH TAG SAND @ 6371' (10' FILL) C/O & DRILL THRU HALLI 8K CBP @ 6381' IN 8 MIN W/ 300 # INCREASE	
								PLUG # 4] CONTINUE TO RIH TAG SAND @ 6626' (25' FILL) C/O & DRILL THRU HALLI 8K CBP @ 6651' IN 7 MIN W/ 200# INCREASE	
								ISO PLG] CONTINUE TO RIH TAG SAND @ 6900' (14' FILL) C/O TO ISO PLG @ 6914' CIRC CLEAN RD DRLG EQUIP POOH LD 9 JNTS LAND TUBING ON HNGR W/ 209 JNTS 2-3/8" J-55 YB EOT @ 6637' RD FLOOR & TUBING EQUIP ND BOPS NU WELL HEAD DROP BALL PMP OPEN BS @ 2100 PSI SIW NU & TEST FLOW LINE TURN WELL OVER TO FBC	
								TUBING DETAIL	
								K.B.....14.00'	
								HNGR.....83"	
								209 JNTS 2-3/8" J-55 YB.....6618.73'	
								PMP OPEN BS PKG.....3.93'	
								EOT.....6637.49'	
								TOTAL FL.....3514 BBLS	
								RIG REC.....514 BBLS	
								LEFT TO REC.....3000 BBLS	
	17:00 - 17:00	0.00	DRLOUT	50				WELL TURNED TO SALES @ 1200 HR ON 5/22/2013. 0 MCFD, 1440 BWPD, FCP 340#, FTP 0#, 20/64" CK.	

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 922-32N-1T [RED]					Spud Date: 6/21/2007			
Project: UTAH-UINTAH			Site: NBU 922-32N PAD			Rig Name No: SWABBCO 8/8		
Event: RECOMPL/RESEREVEADD			Start Date: 6/5/2013		End Date: 6/13/2013			
Active Datum: RKB @5,004.99usft (above Mean Sea Level)				UWI: NBU 922-32N-1T				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/12/2013	13:00 - 16:00	3.00	DRLOUT	30	A	P		MIRU, 460@ FCP, CONTROL WELL W/ 20 BBLS T-MAC, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP
	16:00 - 18:00	2.00	DRLOUT	31	I	P		TOOH W/ 2-3/8" TBG, SWI, SDFN
6/13/2013	7:00 - 7:15	0.25	DRLOUT	48		P		HSM, JSA
	7:15 - 9:30	2.25	DRLOUT	31	I	P		500# SICP, CONTROL WELL W/ 20 BBLS T-MAC, P/U LSN, POBS & 3-7/8" MILL, TIH W/ 2-3/8" TBG, TAG FILL @ 6,845'
	9:30 - 16:30	7.00	DRLOUT	44	C	P		MIRU PWR SWWL, MIRU GROSS FOAM, ESTB CIRC IN 45 MINS, C/O 69' OF FILL, TAG CBP @ 6,914', D/O IN 4 MINS, 100 PSI INCREASE, 150# CSG PRESSURE, TIH TAG FILL @ 8,551', C/O TO 8,676' 43' BELOW BTM PERF, TOOH & LD 27 JTS ON TRAILER, LAND TBG ON HANGER W/ 249 JTS 2-3/8" L-80 TBG ND BOP'S, NU WH, DROP BALL & SHEAR OFF BIT W/ 1300 PSI, SWI, SDFN
								KB 14'
								HANGER .83'
								249 JTS 2-3/8" L-80 TBG 8,719.33'
								POBS HALF LSN 2.20'
								EOT @ 8,736.36'

US ROCKIES REGION

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 922-32N-1T [RED]	Wellbore No.	OH
Well Name	NBU 922-32N-1T	Wellbore Name	NBU 922-32N-1T
Report No.	1	Report Date	5/16/2013
Project	UTAH-JINTAH	Site	NBU 922-32N PAD
Rig Name/No.	GWS 1/1	Event	RECOMPL/RESEREVEADD
Start Date	5/21/2013	End Date	5/22/2013
Spud Date	6/21/2007	Active Datum	RKB @5,004.99usft (above Mean Sea Level)
UWI	NBU 922-32N-1T		

1.3 General

Contractor		Supervisor	
Perforated Assembly	PRODUCTION CASING	Job Method	Conveyed Method

1.4 Initial Conditions

Fluid Type	Fluid Density	Gross Interval	5,846.0 (usft)-6,884.0 (usft)	Start Date/Time	
Surface Press	Estimate Res Press	No. of Intervals	28	End Date/Time	
TVD Fluid Top	Fluid Head	Total Shots	90	Net Perforation Interval	30.00 (usft)
Hydrostatic Press	Press Difference	Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL			Final Press Date	

1.5 Summary

Phasing (°)	120.00	Charge Desc /Charge Manufacturer		Charge Weight (gram)	23.00	Misrun	
Carr Size (in)	3.375						
Carr Type /Stage No	EXP/						
Diameter (in)	0.360						
Misfires/ Add. Shot	3.00						
Shot Density (shot/ft)	3.00						
MD Base (usft)	5,847.0						
MD Top (usft)	5,846.0						
CCL-T S (usft)							
CCL@ (usft)							
Formation/ Reservoir							
Date	WASATCH/						

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
	WASATCH/			5,846.0	5,847.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	
														N	

US ROCKIES REGION

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
	WASATCH/			5,936.0	5,937.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,012.0	6,013.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,043.0	6,045.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,094.0	6,096.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,150.0	6,151.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,168.0	6,169.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,174.0	6,175.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,254.0	6,255.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,308.0	6,309.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,324.0	6,325.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,370.0	6,371.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,408.0	6,409.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,446.0	6,447.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,460.0	6,461.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,487.0	6,488.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,511.0	6,512.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,582.0	6,583.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,627.0	6,628.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,640.0	6,641.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,664.0	6,665.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,676.0	6,677.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

US ROCKIES REGION

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
	WASATCH/			6,693.0	6,694.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,719.0	6,720.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,733.0	6,734.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,766.0	6,787.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,846.0	6,847.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	WASATCH/			6,883.0	6,884.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic

