

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: ST UO 1207	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: NA	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Natural Buttes Unit	
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP				9. WELL NAME and NUMBER: NBU 922-290	
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779			PHONE NUMBER: (720) 929-6226	10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field	
4. LOCATION OF WELL (FOOTAGES) 631299X 4428883Y 40.001831 AT SURFACE: 733' FSL & 2290' FEL LAT 40.001833 LON -109.461917 (NAD 27) AT PROPOSED PRODUCING ZONE: NA -109.461941				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 29 9S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 21 miles east of Ouray, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 733'		16. NUMBER OF ACRES IN LEASE: 400 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 700'		19. PROPOSED DEPTH: 9,200		20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4,937 GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: 10 days	

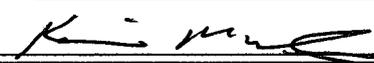
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
	14	40	Premium Cement	215 sx	1.18	15.6
			Premium Cement	50 sx	1.18	15.6
12 1/4"	9 5/8" J-55 36#	2,150	Premium Cement	170 sx	3.82	11.0
			Premium Cement	180 sx	1.18	15.6
7 7/8"	4 1/2" I-80 11.6#	9,200	Premium Lite II	440 sx	3.38	11.0
			50/50 Poz/G	1440 sx	1.31	14.3

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 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) Kevin McIntyre TITLE Regulatory Analyst I
SIGNATURE  DATE 5/13/2008

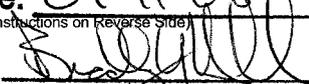
(This space for State use only)

API NUMBER ASSIGNED: 43-04740083

Approved by the
Utah Division of
Oil, Gas and Mining

APPROVAL:

Date: 05-11-08
(See Instructions on Reverse Side)

By: 

RECEIVED

MAY 14 2008

DIV. OF OIL, GAS & MINING

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

Kerr-McGee Oil & Gas Onshore LP

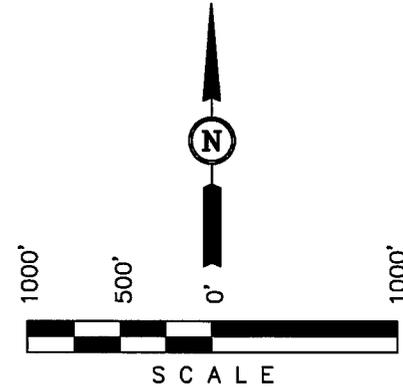
Well location, NBU #922-290, located as shown in the SW 1/4 SE 1/4 of Section 29, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

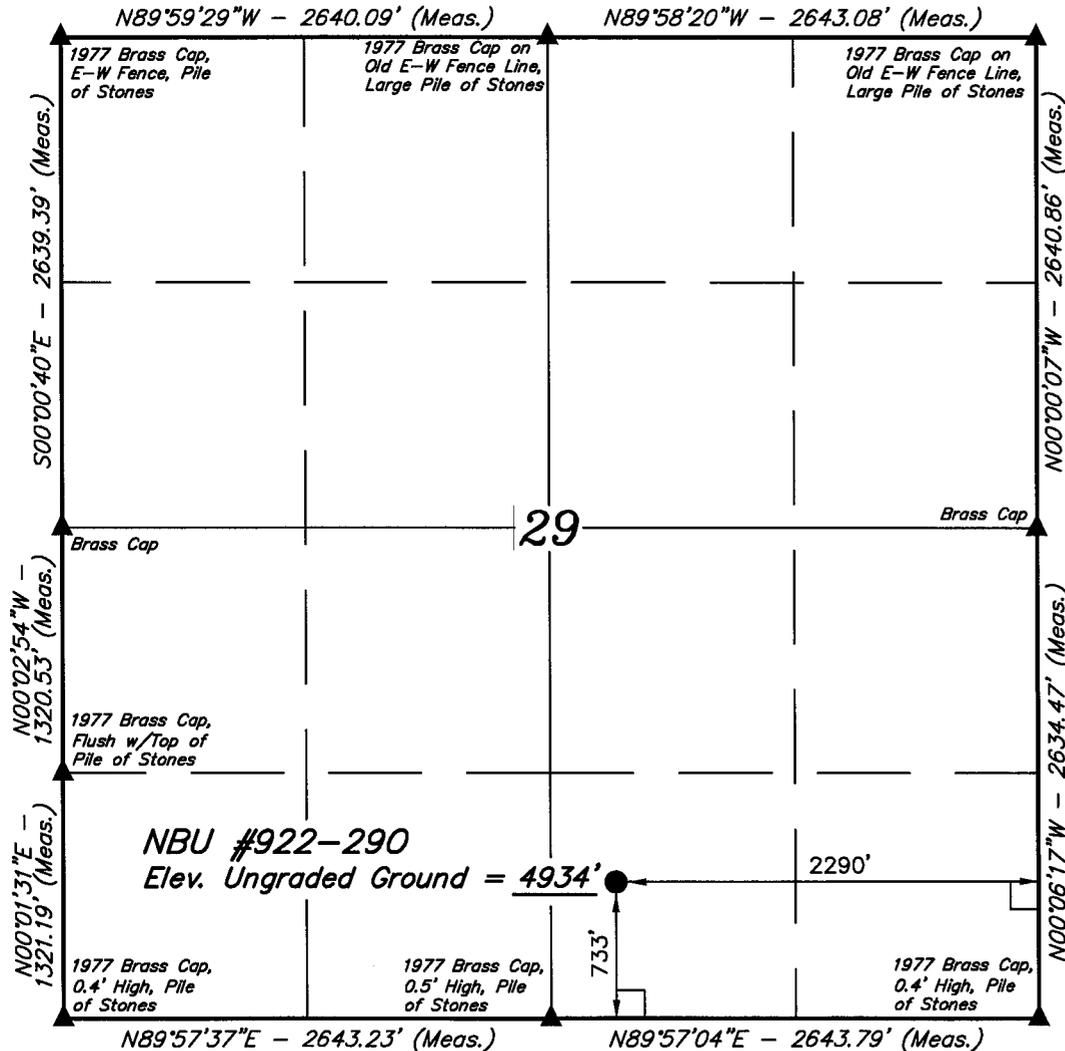
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

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

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH



LEGEND:

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

(NAD 83)
 LATITUDE = 40°00'06.47" (40.001797)
 LONGITUDE = 109°27'45.36" (109.462600)
 (NAD 27)
 LATITUDE = 40°00'06.60" (40.001833)
 LONGITUDE = 109°27'42.90" (109.461917)

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

SCALE 1" = 1000'	DATE SURVEYED: 04-07-08	DATE DRAWN: 04-29-08
PARTY L.D.K. C.K. L.A.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 922-290
SWSE Sec. 29, T9S,R22E
UINTAH COUNTY, UTAH
ST UO 1207

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1328'
Bird's Nest	1635'
Mahagony	2005'
Wasatch	4548'
Mesaverde	7962'
TD	9200'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	1328'
Water	Bird's Nest	1635'
Water	Mahagony	2005'
Gas	Wasatch	4548'
Gas	Mesaverde	7962'
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 9200' TD, approximately equals 5704 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 2024 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

NBU 922-290
SWSE SEC 29-T9S-R22E
UINTAH COUNTY, UTAH
ST UO-1207

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Directions to the proposed location are attached.

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

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

2. Planned Access Roads:

The proposed access road is approximately 170' +/- . Refer to Topo Map B.

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

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

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

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

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

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

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

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

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

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

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

5. Location and Type of Water Supply:

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

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

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

No water well is to be drilled on this lease.

6. Source of Construction Materials:

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

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

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

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

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

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

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

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

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

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

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

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

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec.35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

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

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

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

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

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

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

10. Plans for Reclamation of the Surface:

Producing Location:

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

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

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

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

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

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

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

Dry Hole/Abandoned Location:

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

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

11. Surface Ownership:

State of Utah
SITLA
675 E. 500 South, Ste. 500
Salt Lake City, UT 84102-2818
801.538.5300

12. Other Information:

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

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

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

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

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

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

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

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by Statewide Bond RLB0005237.

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

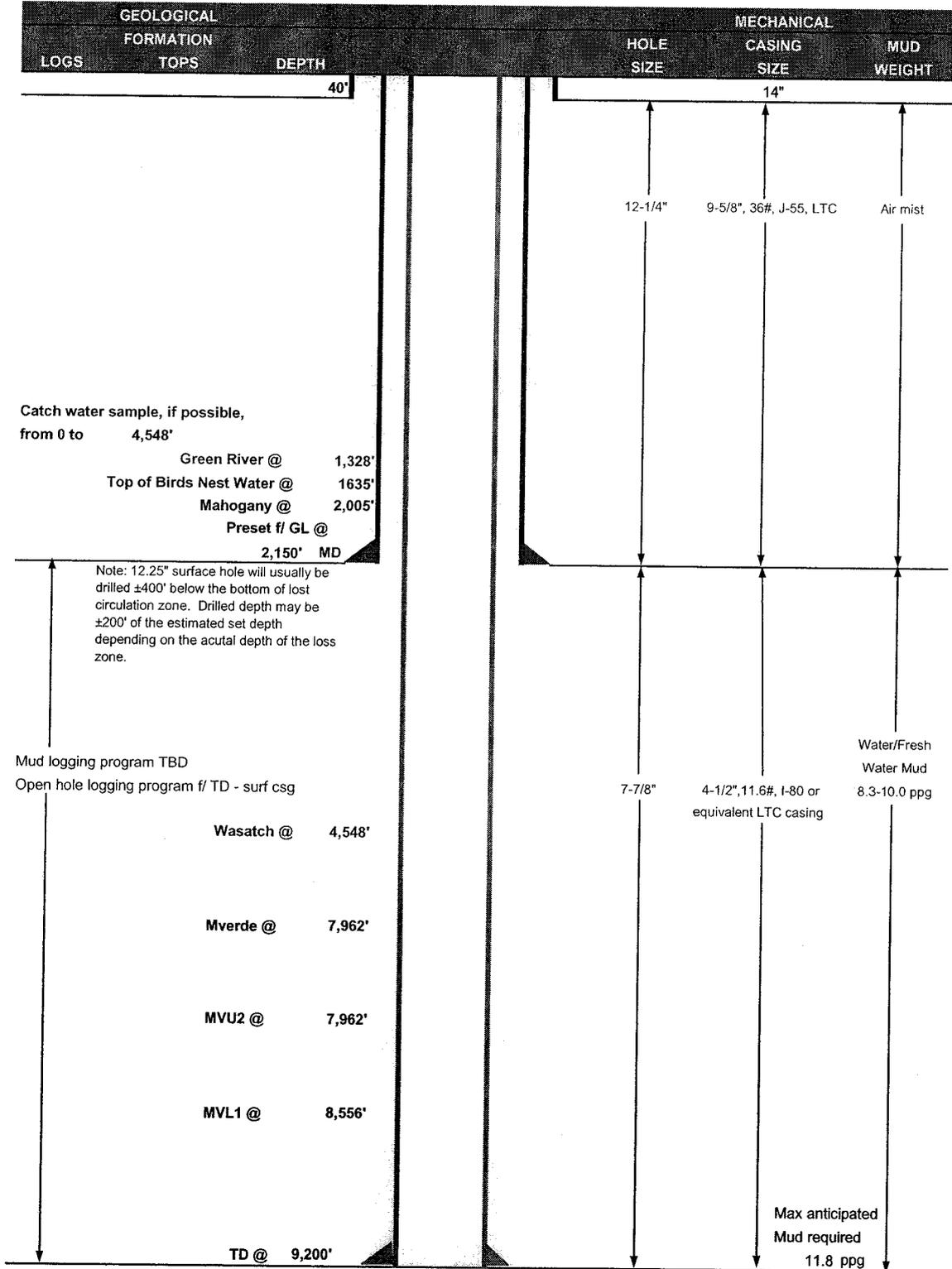

Kevin McIntyre

May 13, 2008
Date



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE May 13, 2008
 WELL NAME NBU 922-290 TD 9,200' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,937' GL KB 4,952'
 SURFACE LOCATION SWSE 733' FSL & 2290' FEL, SEC. 29, T9S, R22E BHL Straight Hole
 Latitude: 40.001833 Longitude: -109.461917 NAD 27
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: UDOGM (MINERALS & SURFACE), BLM, Tri-County Health Dept.





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

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2150	36.00	J-55	LTC	0.97	2.01	7.45
PRODUCTION	4-1/2"	0 to 9200	11.60	I-80	LTC	2.15	1.12	2.16

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
 MASP 3680 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD	
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18	
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18	
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
SURFACE Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized							
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82	
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18	
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
PRODUCTION	LEAD	4,040'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	440	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 NBU 922-290.xls

DATE: _____

Kerr-McGee Oil & Gas Onshore LP
NBU #922-290
SECTION 29, 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 ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 100' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 170' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.7 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-290

LOCATED IN UINTAH COUNTY, UTAH
SECTION 29, T9S, R22E, S.L.B.&M.

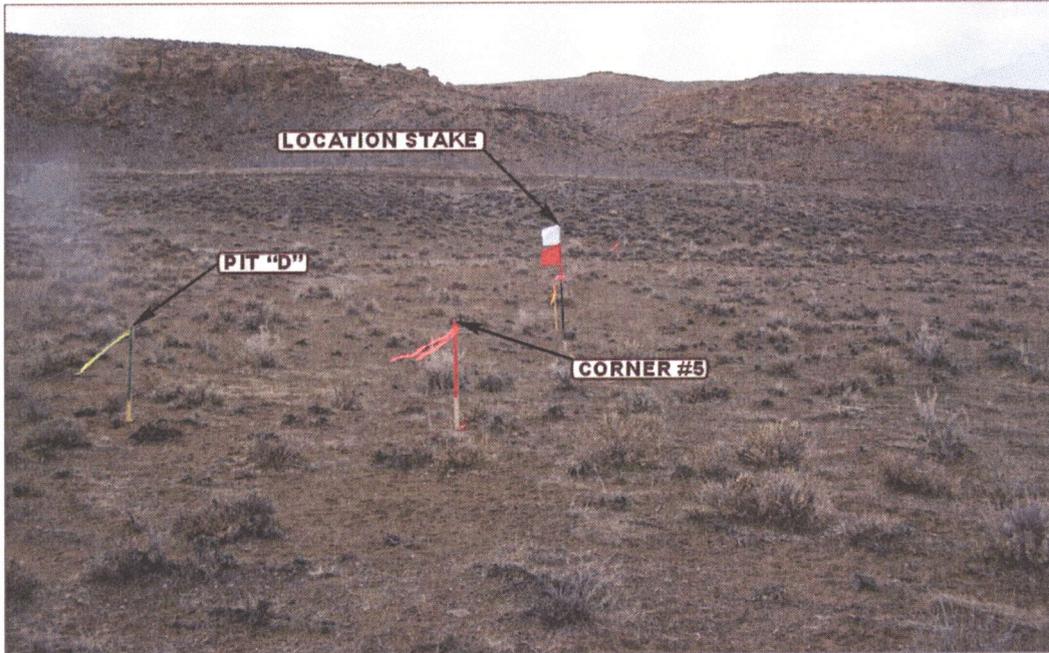


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

LOCATION PHOTOS

04 30 08
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: Z.L.

REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

NBU #922-290

LOCATED IN UINTAH COUNTY, UTAH
SECTION 29, T9S, R22E, S.L.B.&M.



PHOTO: VIEW OF PROPOSED TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

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

PIPELINE PHOTOS

04 30 08
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: Z.L.

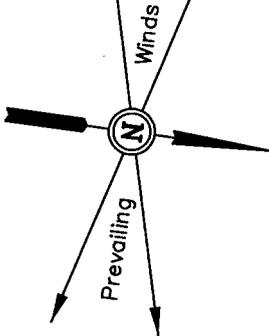
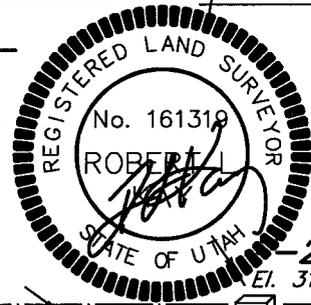
REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

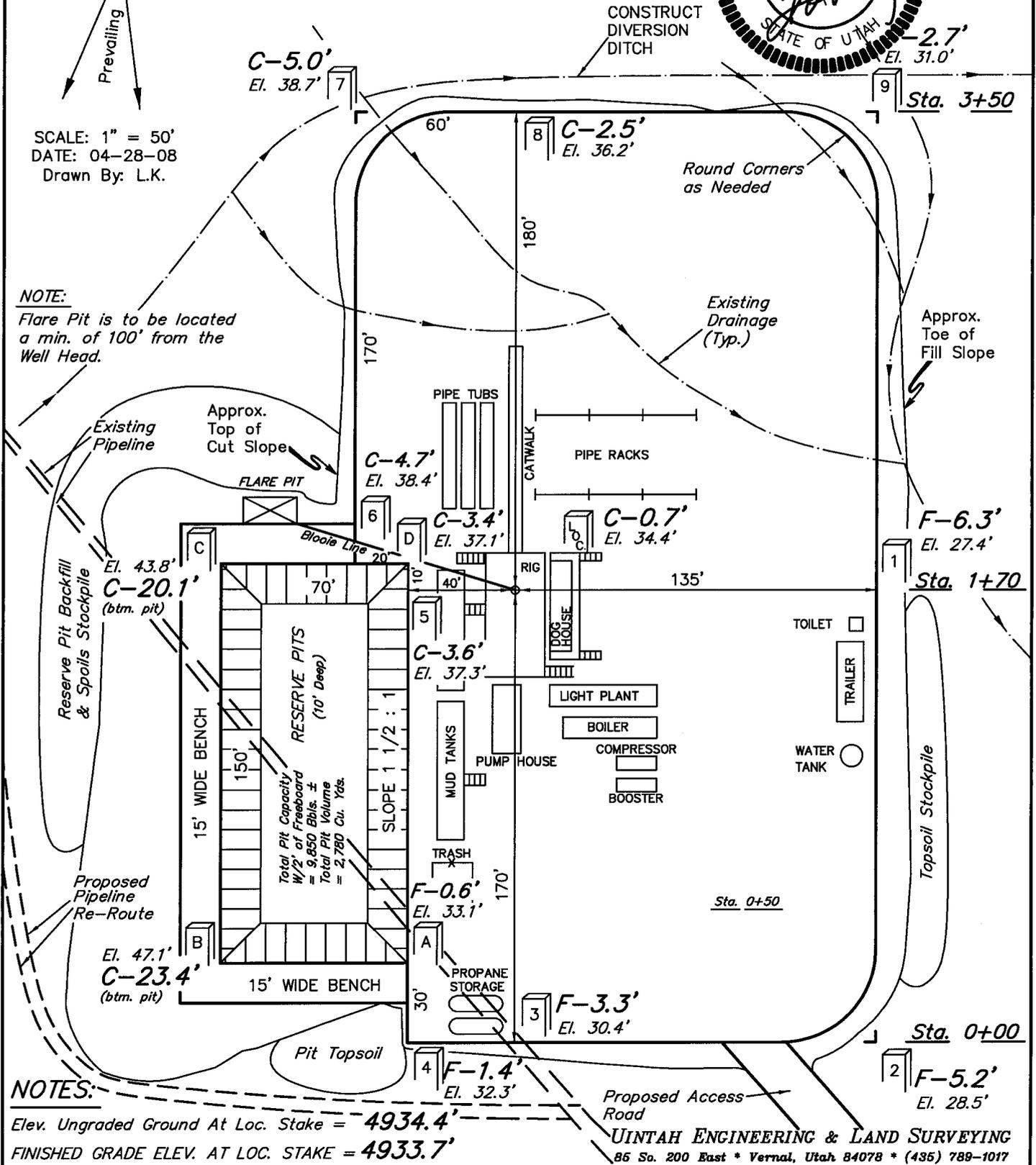
LOCATION LAYOUT FOR

NBU #922-290
SECTION 29, T9S, R22E, S.L.B.&M.
733' FSL 2290' FEL



SCALE: 1" = 50'
DATE: 04-28-08
Drawn By: L.K.

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



NOTES:

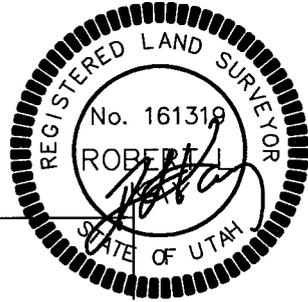
Elev. Ungraded Ground At Loc. Stake = 4934.4'
FINISHED GRADE ELEV. AT LOC. STAKE = 4933.7'

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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

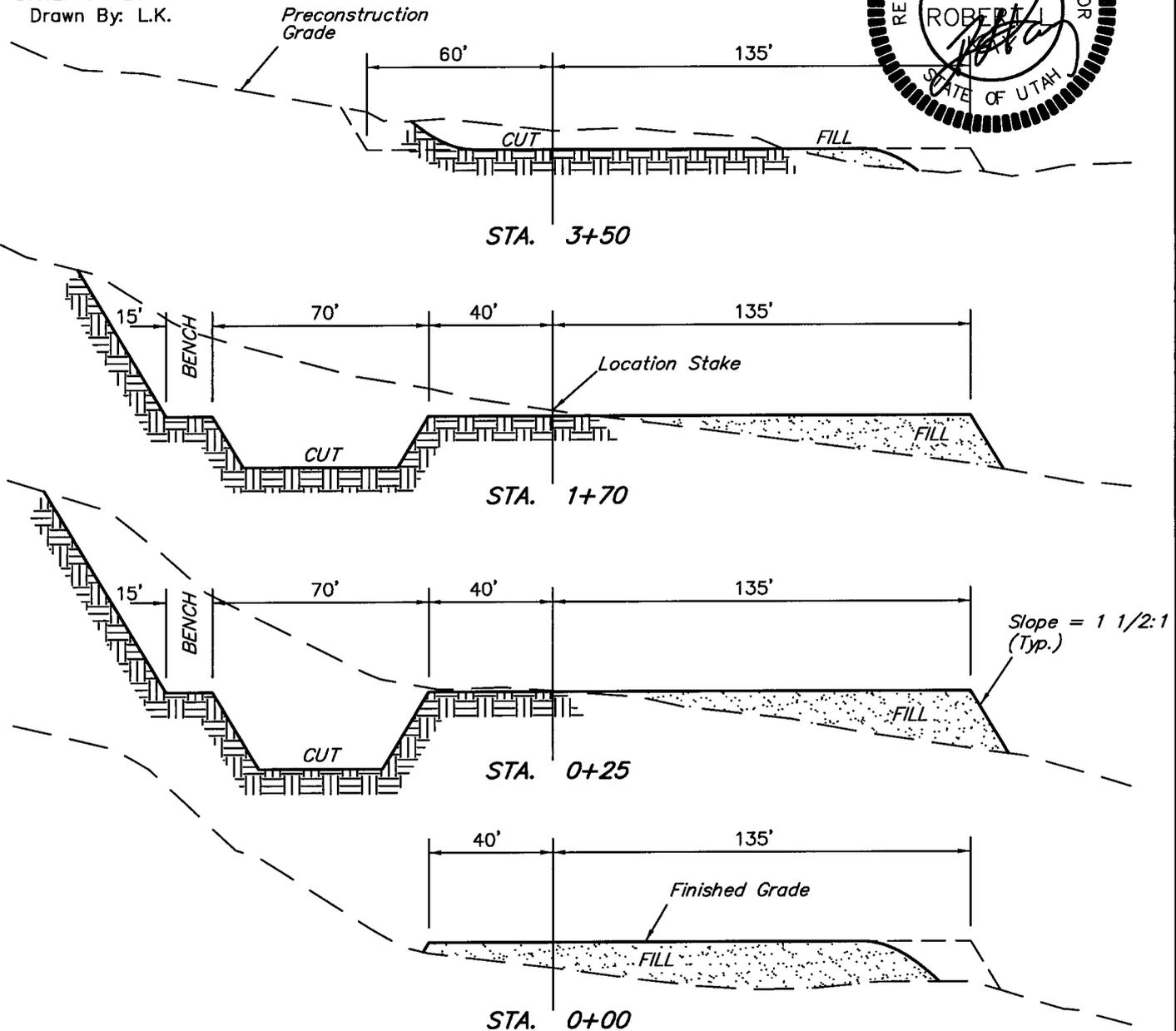
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR
NBU #922-290
SECTION 29, T9S, R22E, S.L.B.&M.
733' FSL 2290' FEL



1" = 20'
 X-Section Scale
 1" = 50'
 DATE: 04-28-08
 Drawn By: L.K.



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

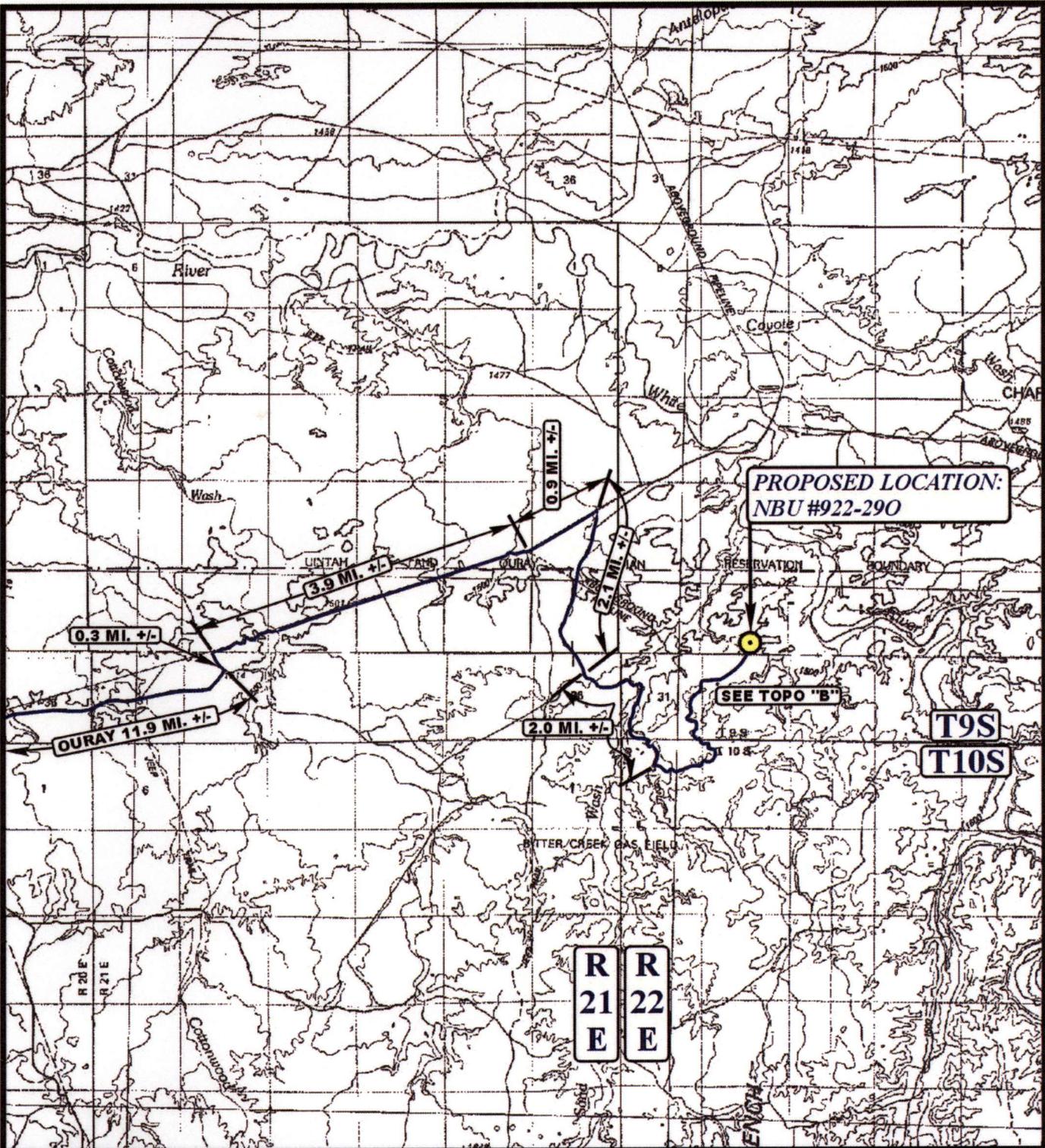
* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,830 Cu. Yds.
Remaining Location	= 10,310 Cu. Yds.
TOTAL CUT	= 12,140 CU.YDS.
FILL	= 6,930 CU.YDS.

EXCESS MATERIAL	= 5,210 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,220 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 1,990 Cu. Yds.

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LEGEND:

 PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #922-290

SECTION 29, T9S, R22E, S.L.B.&M.

733' FSL 2290' FEL



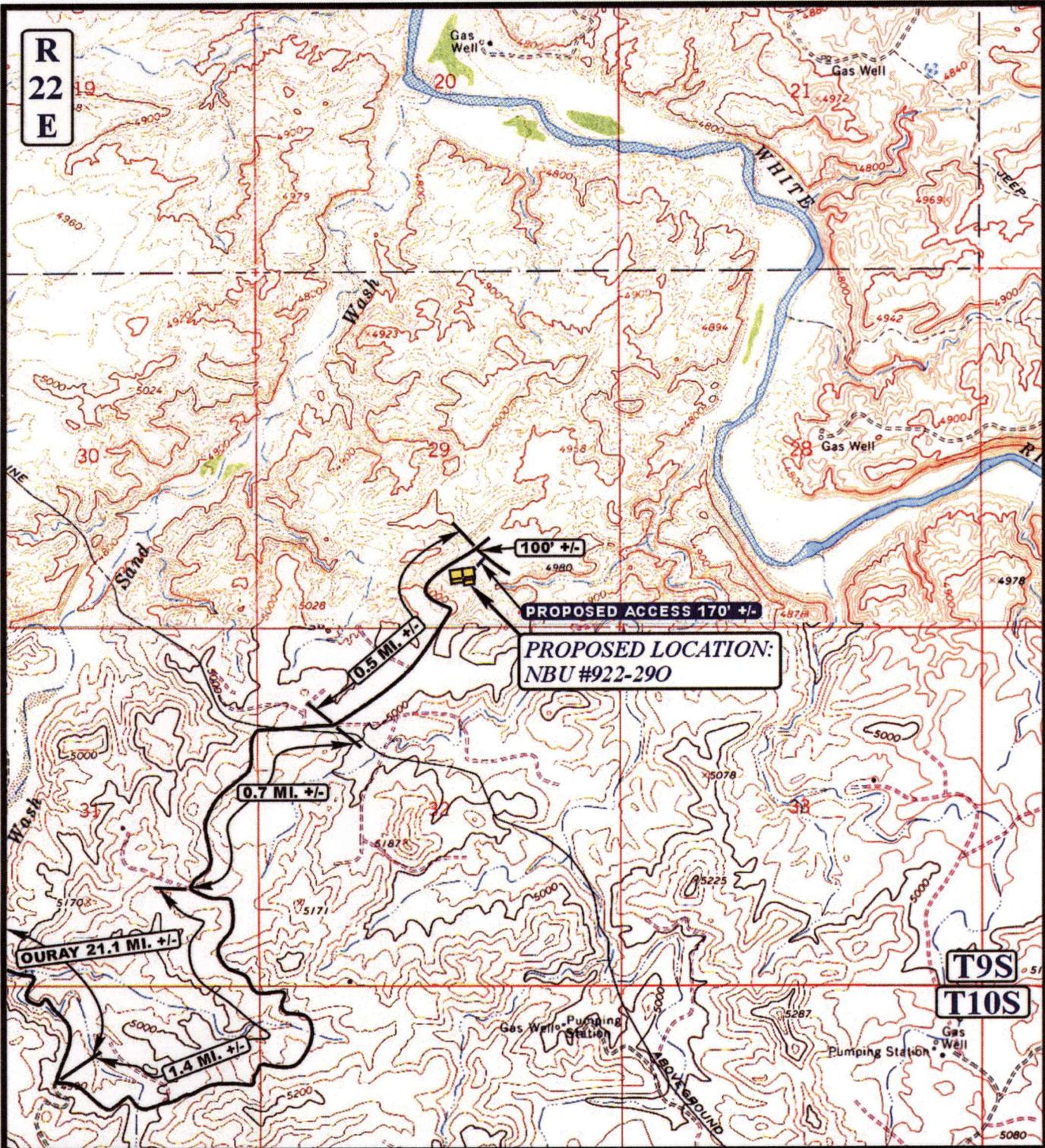
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 (435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
 MAP**

04 30 08
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 00-00-00





LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



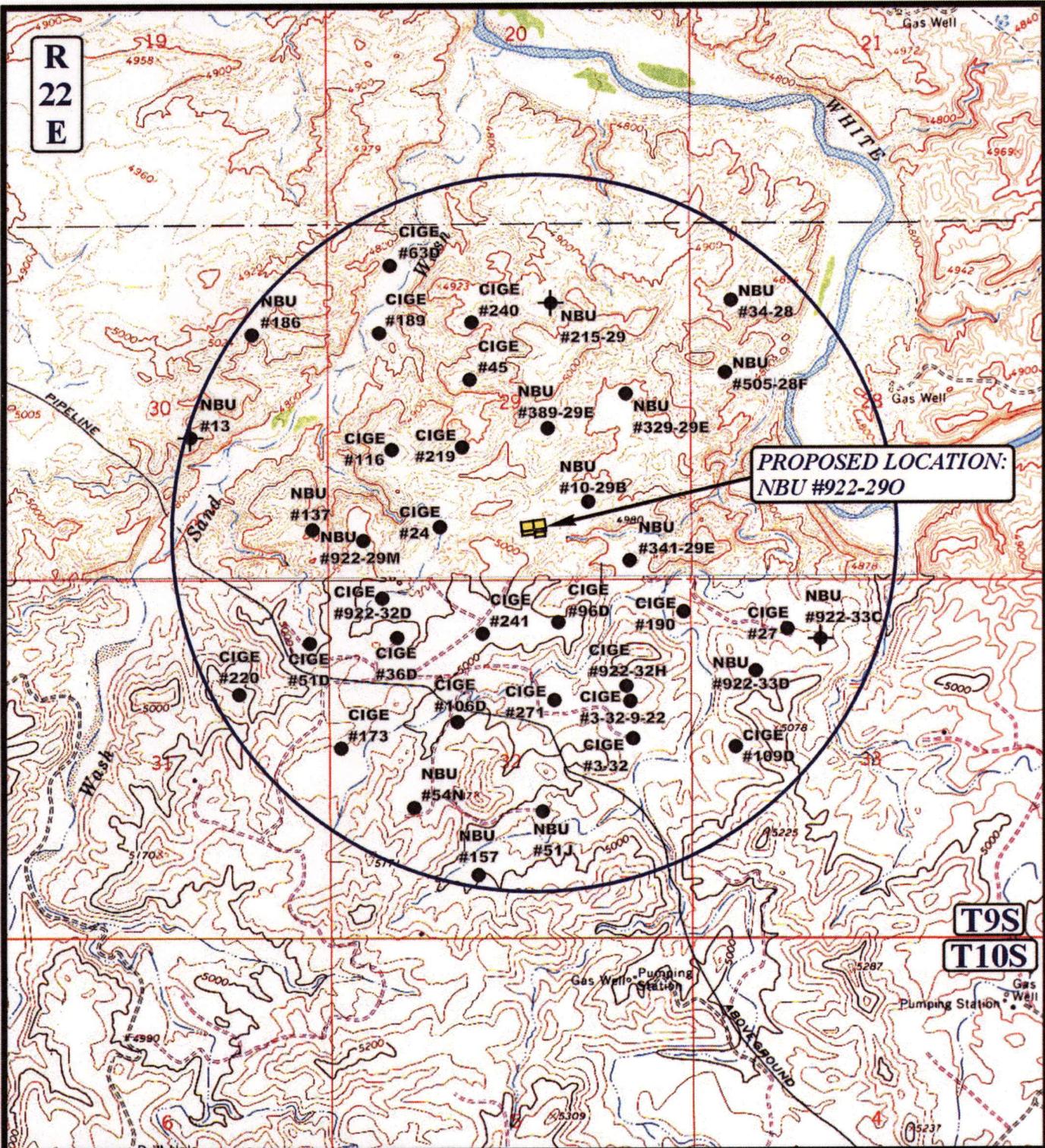
Kerr-McGee Oil & Gas Onshore LP

NBU #922-290
SECTION 29, T9S, R22E, S.L.B.&M.
733' FSL 2290' FEL

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TOPOGRAPHIC **04 30 08**
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00

B
TOPO



LEGEND:

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

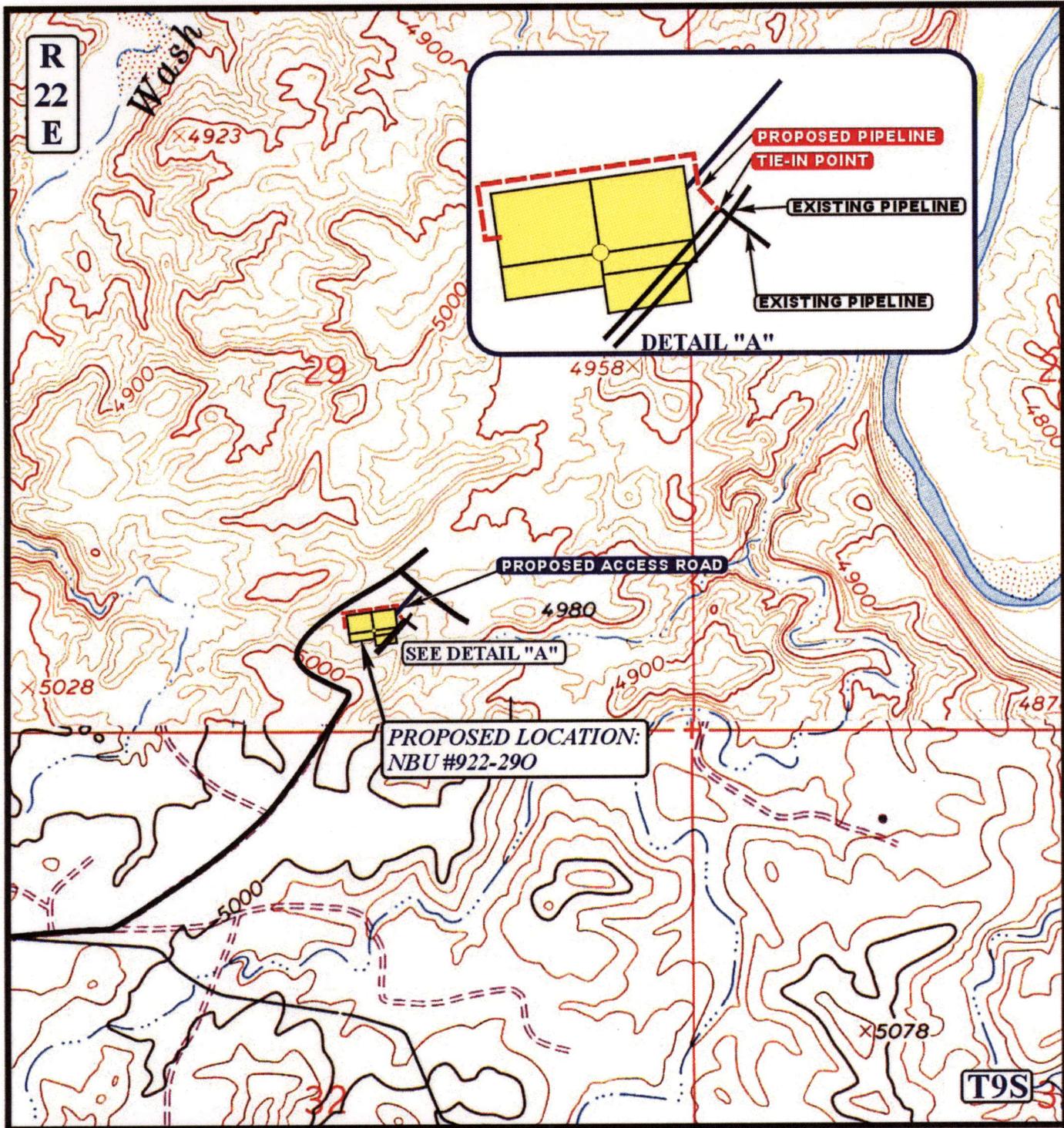


Kerr-McGee Oil & Gas Onshore LP

NBU #922-290
SECTION 29, T9S, R22E, S.L.B.&M.
733' FSL 2290' FEL

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TOPOGRAPHIC MAP **04 30 08**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00 **C**
 TOPO



APPROXIMATE TOTAL HIGH PRESSURE PIPELINE DISTANCE = 641' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #922-290

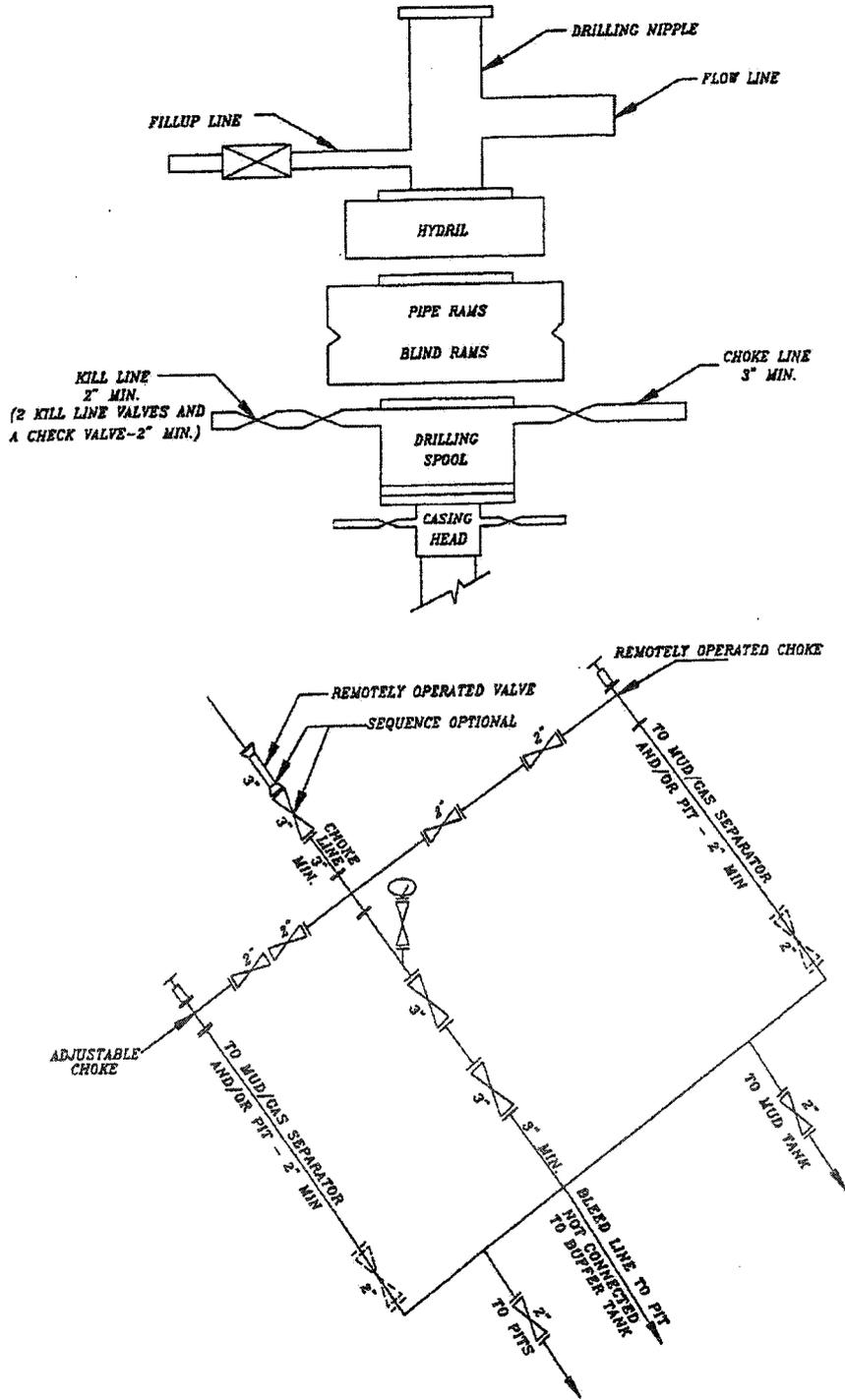
SECTION 29, T9S, R22E, S.L.B.&M.

733' FSL 2290' FEL

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TOPOGRAPHIC MAP **04 30 08**
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: Z.L. REVISED: 00-00-00 **D**
 TOPO

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/14/2008

API NO. ASSIGNED: 43-047-40083

WELL NAME: NBU 922-290
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: KEVIN MCINTYRE

PHONE NUMBER: 720-929-6226

PROPOSED LOCATION:
 SWSE 29 090S 220E
 SURFACE: 0733 FSL 2290 FEL
 BOTTOM: 0733 FSL 2290 FEL
 COUNTY: UINTAH
 LATITUDE: 40.00183 LONGITUDE: -109.4618
 UTM SURF EASTINGS: 631299 NORTHINGS: 4428883
 FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	9/11/08
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ST UO 1207
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

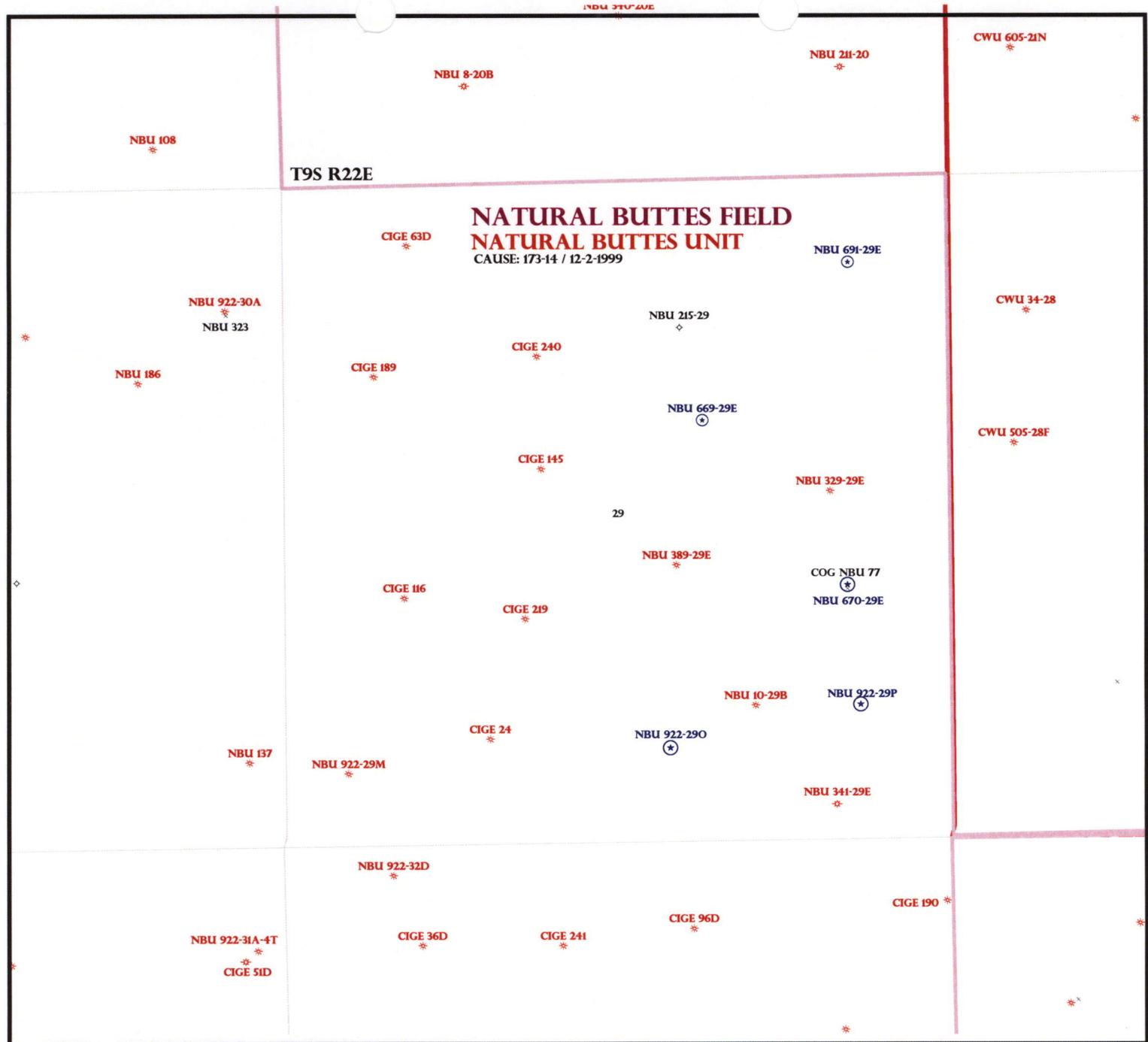
Plat
 Bond: Fed[] Ind[] Sta[] Fee[]
 (No. 22013542)
 Potash (Y/N)
 Oil Shale 190-5 (B) or 190-3 or 190-13
 Water Permit
 (No. 43-8496)
 RDCC Review (Y/N)
 (Date: _____)
 Fee Surf Agreement (Y/N)
 Intent to Commingle (Y/N)

LOCATION AND SITING:

____ R649-2-3.
 Unit: NATURAL BUTTES
 ____ R649-3-2. General
 Siting: 460 From Qtr/Qtr & 920' Between Wells
 ____ R649-3-3. Exception
 Drilling Unit
 Board Cause No: 173-14
 Eff Date: 12-2-1999
 Siting: 400' in u bldg & uncomm. tract
 ____ R649-3-11. Directional Drill

COMMENTS: Needs Permit (06-18-08)

STIPULATIONS: 1- STATEMENT OF BASIS
2- OIL SHALE
3- Surface Csg Cont stp



OPERATOR: EOG RESOURCES INC (N9550)

SEC: 29 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



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 19-MAY-2008

Application for Permit to Drill

Statement of Basis

8/20/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
769	43-047-40083-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.		Surface Owner-APD		
Well Name	NBU 922-290		Unit NATURAL BUTTES		
Field	NATURAL BUTTES		Type of Work		
Location	SWSE 29 9S 22E S 733 FSL 2290 FEL		GPS Coord (UTM) 631299E 4428883N		

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 2,900'. 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

8/20/2008
Date / Time

Surface Statement of Basis

This location is in the Sand Wash area of the Natural Buttes Unit approximately 23.8 road miles southeast of Ouray, Ut.. The Seep Ridge Road, Uintah County roads and existing roads access the site. Sand Wash is the major drainage in the area. It drains northerly to the White River a distance of approximately 1 1/2 miles. The area is characterized by steep sided hills, which are frequently divided by narrow to wide valley bottoms. Sand Wash is an ephemeral drainage. No springs, seeps or streams exist in the area. An occasional pond constructed to supply water for cattle and antelope exists. Washes are sometimes rimed with exposed sand stone bedrock cliffs.

The site for the proposed NBU 922-290 gas well angles across a moderately gentle slope which begins under a steep high ridge to the south. Fill from the upper side of the slope will be moved down-slope to form the pad. Fingered drainages intersect the location on the west. They will be diverted to the west around the pad. The selected site appears to be suitable for constructing a pad, drilling and operating a well and is the best location in the immediate area.

Both the surface and minerals are owned by SITLA. Jim Davis of SITLA reviewed the site and had no concerns regarding the proposal except as covered above. SITLA is to be contacted for reclamation standards including seed mixes to be used in re-vegetation.

Ben Williams of the Utah Division of Wildlife Resources was invited the pre-site visit and did not attend

Floyd Bartlett
Onsite Evaluator

6/18/2008
Date / Time

Application for Permit to Drill

Statement of Basis

8/20/2008

Utah Division of Oil, Gas and Mining

Page 2

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 922-290
API Number 43-047-40083-0 **APD No** 769 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 SWSE **Sec** 29 **Tw** 9S **Rng** 22E 733 FSL 2290 FEL
GPS Coord (UTM) 631295 4428883 **Surface Owner**

Participants

Floyd Bartlett and David Hackford (DOGM), Jim Davis (SITLA), Raleen White, Clay Einerson and Tony Kzneck (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying).

Regional/Local Setting & Topography

This location is in the Sand Wash area of the Natural Buttes Unit approximately 23.8 road miles southeast of Ouray, Ut.. The Seep Ridge Road, Uintah County roads and existing roads access the site. Sand Wash is the major drainage in the area. It drains northerly to the White River a distance of approximately 1 1/2 miles. The area is characterized by steep sided hills, which are frequently divided by narrow to wide valley bottoms. Sand Wash is an ephemeral drainage. No springs, seeps or streams exist in the area. An occasional pond constructed to supply water for cattle and antelope exists. Washes are sometimes rimed with exposed sand stone bedrock cliffs.

The site for the proposed NBU 922-290 gas well angles across a moderately gentle slope which begins under a steep high ridge to the south. Fill from the upper side of the slope will be moved down-slope to form the pad. Fingered drainages intersect the location on the west. They will be diverted to the west around the pad. The selected site appears to be suitable for constructing a pad, drilling and operating a well and is the best location in the immediate area.

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlfe Habitat

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0.01	Width 260	Length 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Vegetation is a desert shrub type consisting of cheat grass, greasewood, shadscale, sagebrush, curly mesquite grass, budsage, halogeton, globe mallow, horsebrush, and annuals.

Cattle, antelope and small mammals and birds.

Soil Type and Characteristics

Soils are a shallow rocky sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required Y

Fingered drainages intersect the location on the west. They will be diverted to the west around the pad.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? **Paleo Potential Observed?** N **Cultural Survey Run?** **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 to 1320	10
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 25 **Sensitivity Level**

Characteristics / Requirements

The reserve pit is planned in an area of cut in the southeast corner of the location. Dimensions are 70' x 150' x 10' deep with 2' of freeboard. A minimum of a 16-mil. liner with an appropriate thickness of felt cushion is required. Kerr McGee commonly uses a 20 mil pit liner.

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

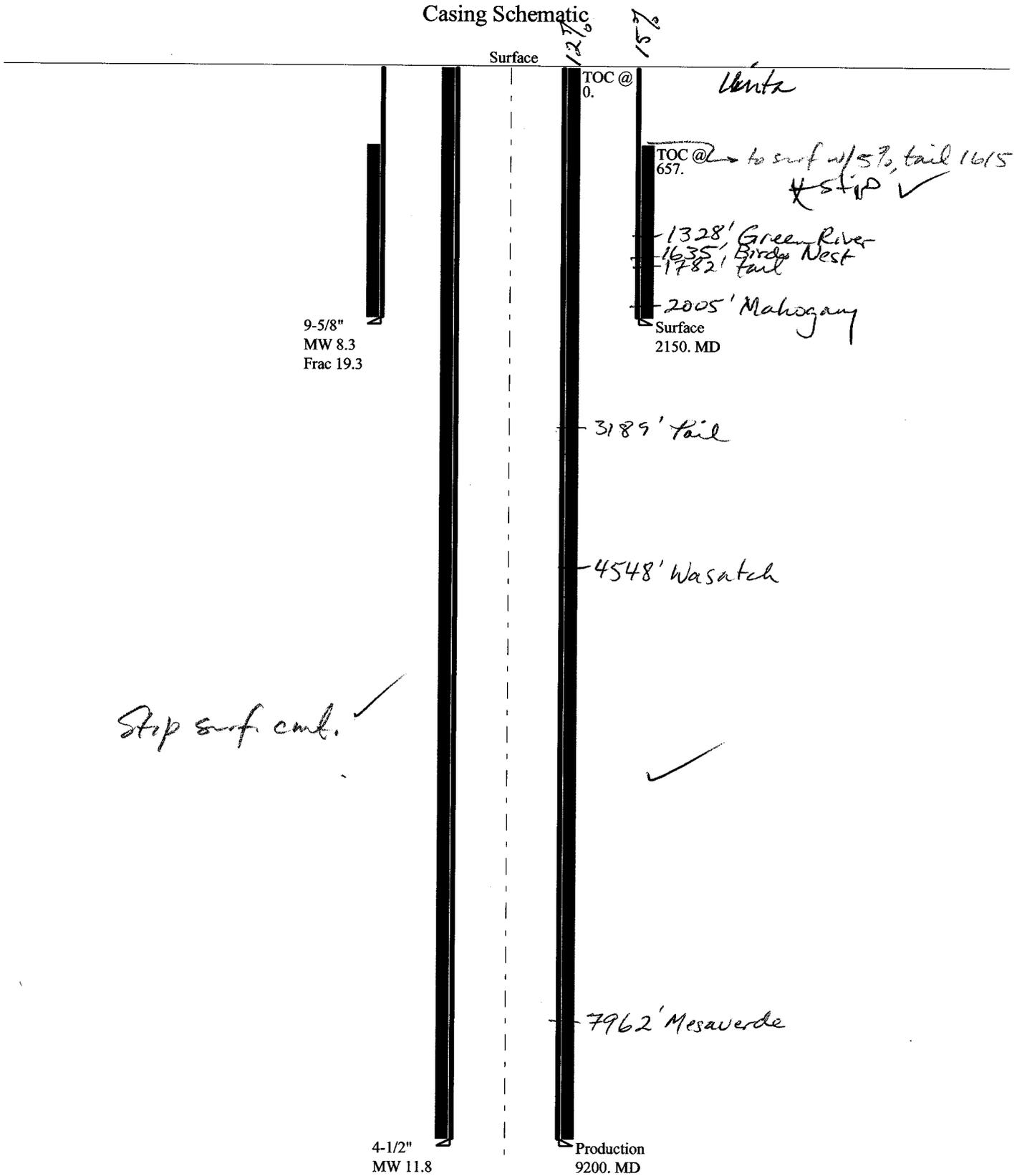
Other Observations / Comments

Floyd Bartlett
Evaluator

6/18/2008
Date / Time

43047400830000 NBU 922-290

Casing Schematic



Surface

TOC @ 0.

Vinta

TOC @ 657. → to surf w/ 57, tail 1615
STOP ✓

1328' Green River
1635' Birds Nest
1782' tail

2005' Mahogany
Surface
2150. MD

9-5/8"
MW 8.3
Frac 19.3

3189' tail

4548' Wasatch

Stop surf emb. ✓

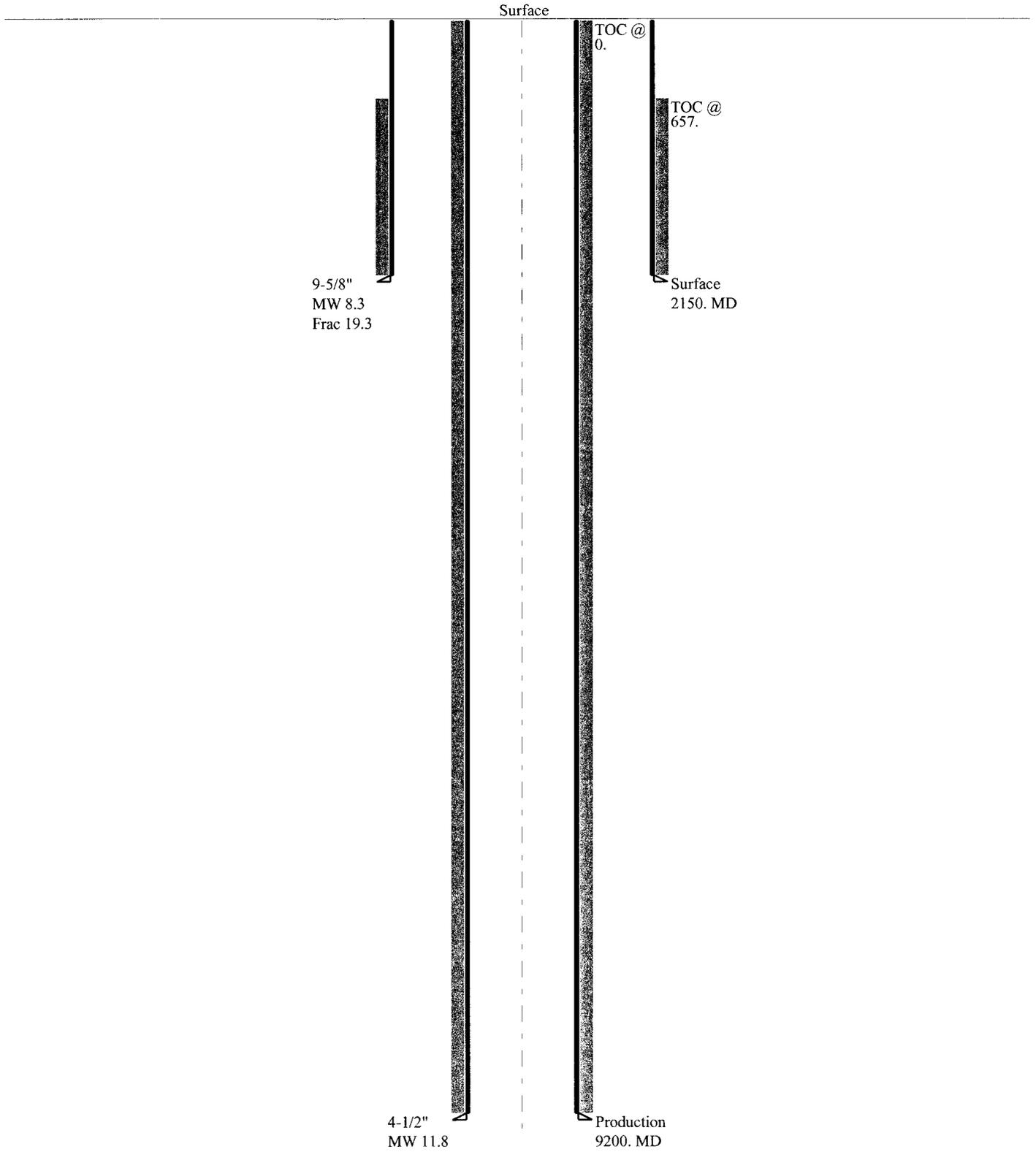
7962' Mesaverde

4-1/2"
MW 11.8

Production
9200. MD

43047400830000 NBU 922-290

Casing Schematic



Well name:	43047400830000 NBU 922-290	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Surface	Project ID: 43-047-40083-0000
Location:	Uintah County, Utah	

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,892 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 2,150 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

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

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 105 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 657 ft

Completion type is subs
Non-directional string.

Re subsequent strings:

Next setting depth: 9,200 ft
Next mud weight: 11.800 ppg
Next setting BHP: 5,639 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 (ft³)
1	2150	9.625	36.00	J-55	LT&C	2150	2150	8.796	933.2
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	930	2020	2.171	2150	3520	1.64	68	453	6.68 J

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

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

Date: September 4, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2150 ft, a mud weight of 8.33 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.

Well name:	43047400830000 NBU 922-290	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	Project ID:
String type:	Production	43-047-40083-0000
Location:	Uintah County, Utah	

Design parameters:

Collapse

Mud weight: 11.800 ppg
 Internal fluid density: 2.300 ppg

Burst

Max anticipated surface pressure: 3,615 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 5,639 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

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: 7,577 ft

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 204 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

Cement top: Surface

Completion type is subs
Non-directional string.

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	9200	4.5	11.60	I-80	LT&C	9200	9200	3.875	802.8

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	4540	6360	1.401	5639	7780	1.38	88	212	2.41 J

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

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

Date: September 4, 2008
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9200 ft, a mud weight of 11.8 ppg. An internal gradient of .119 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

BOPE REVIEW

Kerr-McGee NBU 922-290 API 43-047-40083-0000

INPUT		Kerr-McGee NBU 922-290 API 43-047-40083-0000	
Well Name		String 1	String 2
Casing Size (")		9 5/8	4 1/2
Setting Depth (TVD)		2150	9200
Previous Shoe Setting Depth (TVD)		40	2150
Max Mud Weight (ppg)		8.4	11.8
BOPE Proposed (psi)		500	5000
Casing Internal Yield (psi)		3520	7780
Operators Max Anticipated Pressure (psi)		5704	11.9 ppg

Calculations	String 1	9 5/8 "	
Max BHP [psi]	$.052 \times \text{Setting Depth} \times \text{MW} =$	939	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 \times \text{Setting Depth}) =$	681	NO <i>O.K.</i> Air Drill to surface shoe with diverter
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 \times \text{Setting Depth}) =$	466	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	475	NO
Required Casing/BOPE Test Pressure		2150 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		40 psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	4 1/2 "	
Max BHP [psi]	$.052 \times \text{Setting Depth} \times \text{MW} =$	5645	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 \times \text{Setting Depth}) =$	4541	YES ✓
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 \times \text{Setting Depth}) =$	3621	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	4094	NO <i>Reasonable</i>
Required Casing/BOPE Test Pressure		5000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		2150 psi	*Assumes 1psi/ft frac gradient

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)

May 19, 2008

Memorandum

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

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

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

(Proposed PZ Wasatch/MesaVerde)

43-047-40082	NBU 922-29P Sec 29 T09S R22E 1056 FSL 0774 FEL	
43-047-40083	NBU 922-290 Sec 29 T09S R22E 0733 FSL 2290 FEL	

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:5-19-08

From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 7/17/2008 1:55 PM
Subject: Kerr McGee wells clearance

The following wells have SITLA's arch and paleo clearance.

4304740082	NBU 922-29P	Kerr-McGee Oil & Gas
4304740083	NBU 922-29O	Kerr-McGee Oil & Gas
4304740100	NBU 921-25E1BS	Kerr-McGee Oil & Gas
4304740101	NBU 921-26A4BS	Kerr-McGee Oil & Gas

Thanks.
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 11, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 922-290 Well, 733' FSL, 2290' FEL, SW SE, Sec. 29, 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 43-047-40083.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Kerr-McGee Oil & Gas Onshore, LP
Well Name & Number NBU 922-290
API Number: 43-047-40083
Lease: ST UO 1207

Location: SW SE Sec. 29 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 action during drilling of this well:

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

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

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

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

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

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

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with 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, L.P.

Well Name: NBU 922-290

Api No: 43-047-40083 Lease Type: STATE

Section 29 Township 09S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 12/17/2008

Time 11:00 AM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 12/17/08 Signed CHD

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740083	NBU 922-290		SWSE	29	9S,	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	12/17/2008		<i>12/30/08</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMUD</i> SPUD WELL LOCATION ON 12/17/2008 AT 1100 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739833	NBU 922-1803AS		NWSE	18	9S,	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	12/17/2008		<i>12/30/08</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMUD</i> SPUD WELL LOCATION ON 12/17/2008 AT 1000 HRS. <i>BHL = SWSE</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739830	NBU 922-18P2S		NWSE	18	9S,	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	12/16/2008		<i>12/30/08</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMUD</i> SPUD WELL LOCATION ON 12/16/2008 AT 1500 HRS. <i>BHL = SESE</i>							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print) _____
[Signature]
 Signature _____
 REGULATORY ANALYST 12/17/2008
 Title _____ Date _____

RECEIVED

DEC 18 2008

(5/2900)

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-1207
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		8. WELL NAME and NUMBER: NBU 922-290
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304740083
4. LOCATION OF WELL FOOTAGES AT SURFACE: 733'FSL, 2290'FEL		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 29 9S, 22E		COUNTY: UINTAH
		STATE: UTAH

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

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

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

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

SPUD WELL LOCATION ON 12/17/2008 AT 1100 HRS.

RECEIVED

DEC 22 2008

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE	DATE <u>12/17/2008</u>

(This space for State use only)

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: ST UO-1207
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		8. WELL NAME and NUMBER: NBU 922-290
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304740083
4. LOCATION OF WELL FOOTAGES AT SURFACE: 733'FSL, 2290'FEL		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 29 9S, 22E		COUNTY: UINTAH
		STATE: UTAH

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

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

MIRU PROPETRO AIR RIG ON 12/26/2008. DRILLED 12 1/4" SURFACE HOLE TO 2420'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/210 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. LOST RETURNS 100 BBL INTO DISPLACEMENT 390 PSI LIFT. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. NO CMT TO SURFACE. TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE 	DATE <u>1/5/2009</u>

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JAN 12 2009
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-1207
		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 922-290
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		9. API NUMBER: 4304740083
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 733'FSL, 2290'FEL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 29 9S, 22E		STATE: UTAH

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

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

FINISHED DRILLING FROM 2420' TO 9190 ON 01/22/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/470 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1000 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DISPLACE W/142 BBLs FINAL CIRC PSI FLOATS HELD. LAND AND TEST MANDREL HANGER NIPPLE DOWN BOP AND CLEAN PITS.

RELEASED PIONEER RIG 68 ON 01/23/2009 AT 0000 HOURS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE	DATE 2/5/2009

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FEB 09 2009

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: ST UO-1207
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		8. WELL NAME and NUMBER: NBU 922-290
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304740083
4. LOCATION OF WELL FOOTAGES AT SURFACE: 733'FSL, 2290'FEL		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 29 9S, 22E		COUNTY: UINTAH
		STATE: UTAH

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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>PRODUCTION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>START-UP</u>

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 03/01/2009 AT 11:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE	DATE 3/2/2009

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MAR 04 2009

DIV. OF OIL, GAS & MINING

ROCKIES

Operation Summary Report

Well: NBU 922-290

Spud Conductor: 12/17/2008

Spud Date: 12/26/2008

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 12/26/2008

End Date: 1/23/2009

Active Datum: RKB @4,955.00ft (above Mean Sea Level)

UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
12/26/2008	13:30 - 0:00	10.50	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1330 HR 12/26/08 DA AT REPORT TIME 780'
12/27/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT SOME WATER @ 1170' DA AT REPORT TIME 1350'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD AT REPORT TIME 1560'
12/28/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT TRONA WATER @ 1575' CIRCULATE WITH SKID PUMP 1860'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2040' WELL CIRCULATING TO PIT
12/29/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP FULL RETURNS 2230'
	12:00 - 23:00	11.00	DRLSUR	02		P		RIG T/D @ 2420' CONDITION HOLE 1 HR START OUT OF HOLE PULLED 10' OFF BOTTOM STUCK PIPE
	23:00 - 0:00	1.00	DRLSUR	16	B	X		WORK STUCK PIPE AT REPORT TIME
12/30/2008	0:00 - 7:00	7.00	DRLSUR	16	B	Z		WORK STUCK PIPE WAIT ON FREE POINT TRUCK
	7:00 - 18:00	11.00	DRLSUR	16	B	Z		RUN FREE POINT AND BACK OFF COLLAR LEFT 1 EA. 8" COLLAR AND TRICONE IN HOLE
	18:00 - 0:00	6.00	DRLSUR	16	A	Z		RIH WITH WASH PIPE AT REPORT TIME
12/31/2008	0:00 - 5:00	5.00	DRLSUR	16	A	Z		WASH OVER FISH
	5:00 - 10:00	5.00	DRLSUR	16	A	Z		WASH DOWN TO BOTTOM OF FISH
	10:00 - 18:00	8.00	DRLSUR	16	A	Z		LDDS AND WASH PIPE
	18:00 - 0:00	6.00	DRLSUR	16	A	Z		RIH W/ GRAPPLE TO RETIVE FISH
1/1/2009	0:00 - 18:00	18.00	DRLSUR	16	A	Z		MAKE 3 GRAPPLE RUNS RETRIVE FISH AND LDDS AND FISH
	18:00 - 21:00	3.00	DRLSUR	05		P		RIH W/ TRICONE TO CONDITION HOLE
	21:00 - 0:00	3.00	DRLSUR	04		P		CONDITION HOLE
1/2/2009	0:00 - 4:00	4.00	DRLSUR	05		P		TRIP DP OUT OF HOLE
	4:00 - 9:00	5.00	DRLSUR	11		P		RUN 2365' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	9:00 - 11:00	2.00	DRLSUR	15		P		CEMENT 1ST STAGE WITH 210 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK LOST RETURNS 100 BBL INTO DISPLACMENT 390 PSI LIFT
	11:00 - 11:30	0.50	DRLSUR	15		P		1ST TOP JOB 100 SKS DOWN 1" PIPE NO CEMENT TO SURFACE
	11:30 - 13:00	1.50	DRLSUR	15		P		2ND TOP JOB 150 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	13:00 - 13:00	0.00	DRLSUR					NO VISIBLE LEAKS PIT 30% FULL WORT
1/13/2009	16:00 - 0:00	8.00	DRLPRO	01	E	P		RIG DOWN TO MOVE TO NBU 922-290
1/14/2009	0:00 - 7:30	7.50	DRLPRO	01	E	P		RIGGIN DOWN
	7:30 - 18:00	10.50	DRLPRO	01	A	P		MOVE TO NBU 922-290,CAMPS 100% RIGGED UP.SET RIG,RAISE DERRICK OFF CARRIER,SCOPE SUB & DERRICK. KUHR TRUCKING RELEASED @ 1600. 4 BED,2 HAUL,1 FORKLIFT,3 SWAMPERS,1 PUSHER. J & C CRANE RELEASED @ 1700. 1 OPERATOR & 2 SWAMPERS. MOUNTAIN WEST RELEASED @ 12:00. 2 HANDS
	18:00 - 0:00	6.00	DRLPRO	01	B	P		RIGGING UP
1/15/2009	0:00 - 6:00	6.00	DRLPRO	01	B	P		RIGGING UP

ROCKIES

Operation Summary Report

Well: NBU 922-290

Spud Conductor: 12/17/2008

Spud Date: 12/26/2008

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 12/26/2008

End Date: 1/23/2009

Active Datum: RKB @4,955.00ft (above Mean Sea Level)

UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	6:00 - 11:00	5.00	DRLPRO	13	A	P		(HELD SAFETY MEETING) SET & NIPPLE UP BOP, CHOKE & FLARE LINES
	11:00 - 17:00	6.00	DRLPRO	13	C	P		(HELD SAFETY MEETING) TEST PIPE RAMS, BLIND RAMS, CHOKE & ALL FLOOR RELATED VALVES 250 LOW TO 5000 PSI HIGH. TEST HYDRILL 250 LOW TO 2500 PSI HIGH. TEST CSG TO 1500 PSI & HOLD 30 MIN. RIG DOWN B & C QUICK TEST. INSTALL WEAR BUSHING.
	17:00 - 18:00	1.00	DRLPRO	05	A	P		(HELD SAFETY MEETING) RIG UP WEATHERFORD & PICK UP MOTOR MADE UP BIT WENT TO CHECK & MAKE SURE FLOAT WAS WORKING & FOUND NO FLOAT IN MOTOR.
	18:00 - 19:30	1.50	DRLPRO	12	E	Z		WAITING ON FLOAT F/ BAKER IN-TEQ MOTOR. PICK UP KELLY & INSTALL PIPE SPINNERS.
	19:30 - 0:00	4.50	DRLPRO	05	A	P		PICK UP BHA & 50 JTS DP, TIH TO 2262'. RIG DOWN WEATHERFORD. INSTALL ROTATING HEAD
1/16/2009	0:00 - 1:00	1.00	DRLPRO	06	A	P		PRE SPUD RIG INSPECTION, CIRC THRU BUSTER. NO LEAKS.
	1:00 - 2:30	1.50	DRLPRO	02	F	P		DRILL FLOAT EQUIPMENT & 35 PREDRILLED HOLE TO 2413' CMT TOP 2294' FLOAT TOP 2334' SHOE TOP 2377' ROTARY SPUD @ 02:30 01/16/2009
	2:30 - 3:00	0.50	DRLPRO	02	B	P		DRILL F/ 2413' - 2463' 50' TOTAL @ 100' HR
	3:00 - 3:30	0.50	DRLPRO	09	A	P		SURVEY @ 2390' .90 DEG
	3:30 - 8:30	5.00	DRLPRO	02	B	P		DRILL F/ 2463' - 2969' 506' TOTAL @ 101.2' HR
	8:30 - 9:00	0.50	DRLPRO	09	A	P		SURVEY @ 2894' 1.35 DEG
	9:00 - 14:00	5.00	DRLPRO	02	B	P		DRILL F/ 2969' - 3476' 507' TOTAL @ 101.4' HR
	14:00 - 14:30	0.50	DRLPRO	09	A	P		SURVEY @ 3401' 1.76 DEG
	14:30 - 16:00	1.50	DRLPRO	02	B	P		DRILL F/ 3476' - 3634' 158' TOTAL @ 105.3' HR
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL F/ 3634' - 4441' 807' TOTAL @ 107.6' HR 34 VIS / 9.0 MW
1/17/2009	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRILL F/ 4441' - 4488' 47' TOTAL @ 94' HR
	0:30 - 1:00	0.50	DRLPRO	09	A	P		SURVEY @ 3792' 2.36 DEG
	1:00 - 12:00	11.00	DRLPRO	02	B	P		DRILL F/ 4488' - 5342' 854' TOTAL @ 77.6' HR. TRANSFERING MUD W/ 1% LCM STARTING @ 5026'. LOST 30 BBLS MUD @ 5136' W/ 9.3 MW. PUMPED LCM SWEEP, HOLE TAKING FLUID TO 5216' REGAINED FULL RETURNS.
	12:00 - 13:00	1.00	DRLPRO	04	D	S		LOST FULL RETURNS @ 5342' BY PASS SHAKERS CIRC & MIX LCM TO 5% REGAINED RETURNS. LOST 150 BBLS.
	13:00 - 14:30	1.50	DRLPRO	02	B	P		DRILL F/ 5342' - 5469' 127' TOTAL @ 84.6' HR
	14:30 - 15:00	0.50	DRLPRO	09	A	P		SURVEY @ 5394' 2.32 DEG
	15:00 - 16:00	1.00	DRLPRO	02	B	P		DRILL F/ 5469' - 5564' 95' TOTAL @ 95' HR
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL F/ 5564' - 6039' 475' TOTAL @ 63.3' HR 36 VIS / 9.7 MW / 7% LCM
1/18/2009	0:00 - 8:00	8.00	DRLPRO	02	B	P		DRILL F/ 6039' - 6434' 395' TOTAL @ 49.3' HR
	8:00 - 9:00	1.00	DRLPRO	04	C	P		CIRCULATE, MIX & PUMP PILL. DROP SURVEY
	9:00 - 13:30	4.50	DRLPRO	05	A	P		(HELD SAFETY MEETING) TOOH F/ BIT # 2 TIGHT @ 4473'
	13:30 - 18:30	5.00	DRLPRO	05	A	P		SWITCH BITS & TIH W/ Q504X BRIDGE @ 4520' WIPE TIGHT SPOT, TIH

ROCKIES

Operation Summary Report

Well: NBU 922-290

Spud Conductor: 12/17/2008

Spud Date: 12/26/2008

Project: UTAH

Site: UINTAH

Rig Name No: PROPETRO/, PIONEER 68/68

Event: DRILLING

Start Date: 12/26/2008

End Date: 1/23/2009

Active Datum: RKB @4,955.00ft (above Mean Sea Level)

UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	18:30 - 19:00	0.50	DRLPRO	03	E	P		BREAK CIRC & ATTEMPT TO UNPLUG JETS , WASH & REAM 58' TO BOTTOM,NO FILL
	19:00 - 0:00	5.00	DRLPRO	02	B	P		DRILL F/ 6434' - 6746' 312' TOTAL @ 62.4' HR 35 VIS / 10.0 MW / 5% LCM
1/19/2009	0:00 - 11:00	11.00	DRLPRO	02	B	P		DRILL F/ 6746' - 7431' 685' TOTAL @ 62.2' HR
	11:00 - 12:00	1.00	DRLPRO	07	A	P		WORK ON ROTARY MOTOR
	12:00 - 15:30	3.50	DRLPRO	02	B	P		DRILL F/ 7431' - 7620' 189' TOTAL @ 54.0' HR
	15:30 - 16:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL F/ 7620' - 8032' 412' TOTAL @ 51.5' HR 43 VIS/11.0 MW/7% LCM
1/20/2009	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRILL F/ 8032' - 8187'
	4:00 - 5:00	1.00	DRLPRO	04	C	P		CIRCULATE F/ BIT TRIP,MIX & PUMP PILL.DROP SURVEY.
	5:00 - 11:00	6.00	DRLPRO	05	A	P		TOOH F/ BIT # 3,L/DOWN IBS
	11:00 - 13:00	2.00	DRLPRO	05		P		TIH TO SHOE, WBIT #3
	13:00 - 15:00	2.00	DRLPRO	06	D	P		SLIP & CUT DRLG LINE
	15:00 - 18:30	3.50	DRLPRO	05	A	P		FINISH TIH 8170
	18:30 - 19:00	0.50	DRLPRO	03	D	P		KELLY UP,REAM 17' TO BOTTOM
	19:00 - 0:00	5.00	DRLPRO	02	B	P		DRILL F/8187 TO 8406,,AVG 41 WT 11.5/40
1/21/2009	0:00 - 0:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	0:30 - 7:30	7.00	DRLPRO	02	B	P		DRILL F/8406 TO 8699,AVG 42 WT 11.5/40
	7:30 - 9:30	2.00	DRLPRO	04	A	S		CIRC RAISE LCM 16%,BUILD VOL,LOST 130 BBLS
	9:30 - 11:30	2.00	DRLPRO	02	B	P		DRILL F/8699 TO 8785,AVG 43 ,WT 11.7/38
	11:30 - 12:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	12:00 - 0:00	12.00	DRLPRO	02	B	P		DRILL F/8785 TO 9120,AVG 28 WT 12/42
1/22/2009	0:00 - 8:30	8.50	DRLPRO	02	B	P		DRILL F/9120 TO TD 9190,AVG 9 WT 12.2/42
	8:30 - 9:30	1.00	DRLPRO	04	C	P		CIRC BTMS UP,BUILD PILL
	9:30 - 11:00	1.50	DRLPRO	05	E	P		SHORTTRIP 20 BACK TO 8020',NO PROBLEMS
	11:00 - 13:00	2.00	EVALPR	04	C	P		CIRC BTMS UP TWICE,PUMP PILL
	13:00 - 22:30	9.50	EVALPR	05	B	P		SAFETY W/WEATHERFORD,LDDP,PULLWEARING
	22:30 - 0:00	1.50	EVALPR	08	A	P		SAFETY MEET ,R/U HALLIBURTON,TRIPLE COMBO TO LOGGERS DEPTH 9176'
1/23/2009	0:00 - 5:00	5.00	EVALPR	08	A	P		FINISH TRIPLE COMBO
	5:00 - 13:30	8.50	CSG	11	B	P		R/U RUN 9168' 4.5 CSG
	13:30 - 14:30	1.00	CSG	04	E	P		CIRC DOWN CSG,& COND F/CEMENT
	14:30 - 17:00	2.50	CSG	15	A	P		PUMP 470SX LEAD,1000 SX TAIL,,DISP 142 BBLS
	17:00 - 18:00	1.00	CSG	13	A	P		„FINAL CIRC PSI ,FLOATS HELD
	18:00 - 0:00	6.00	RDMO	13	A	P		LAND & TEST MANDREL HANGER NDBOP & CLEAN PITS,RELEASE RIG@MIDNITE

ROCKIES
Operation Summary Report

Well: NBU 922-290		Spud Conductor: 12/17/2008		Spud Date: 12/26/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 2/23/2009		End Date: 2/26/2009	
Active Datum: RKB @4,955.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/23/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.
	7:30 - 16:00	8.50	COMP	36	B	P		ROAD RIG F/ NBU 922-29LT. MIRU RIG, SPOT EQUIP. OPEN WEL 0#. ND WH, NU BOP. RU RIG FLOOR & TBG EQUIP. PREP & TALLY 303 JTS NEW 2 3/8, J-55 TBG. PU 3 7/8 MILL & BIT SUB. RIH W/ 220 JTS TBG T/ 6830'. X-OVER. POOH SD 220 JTS TBG IN THE DERRICK. ND BOP, NU FRAC VALVES. SWI, SDFN.
2/24/2009	7:00 - 7:30	0.50	COMP	48		P		HSM
	7:30 - 18:00	10.50	COMP	36	B	P		MIRU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VALVES T/ 7500#. GOOD TEST. BLEED OFF PSI. RDMO B&C QUICK TEST. MIRU SCHLUMBERGER W.L. & BJ SERV CO. STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 & 180 DEG PHASING. RIH PERF F/ 9044'-56', 3 SPF, 36 HOLES. 9006'-08', 2 SPF, 4 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 338#. BEG PUMP, BRK @ 3753# @ 4.6 BPM. SD ISIP 2475#, FG .72. BEG FRAC, PUMP 127,644# 40/70 WHITE COULD NOT OPEN GATE ON 30/50 TLC, SO WENT T/ FLUSH. SD ISIP 2833#, FG .72. X-OVER FOR W.L. STG 2)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8926', P/U PREF F/ 8890'-96, 4 SPF, 24 HOLES. 8746'-50', 4 SPF, 16 HOLES. POOH, X-OVER FOR FRAC CREW. BEG PUMP, BRK @ 3515# @ 3.9 BPM. SD ISIP 2798#, FG .76. BEG FRAC, PUMP 48,948# 20/40 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2952#, FG .78.. X-OVER FOR W.L.. STG 3)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8682', P/U PERF F/ 8654'-60', 4 SPF, 24 HOLES. 8580'-84', 4 SPF, 16 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 1657#. BEG PUMP, BRK @ 3198# @ 4.3 BPM. SD ISIP 2739#, FG .76. BEG FRAC, PUMP 68,833# 40/70 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2900#, FG .78. SWI. PREP T/ W.L. IN THE :AM. WINTERIZE WH. SDFN.
2/25/2009	7:00 - 7:30	0.50	COMP	48		P		HSM

ROCKIES

Operation Summary Report

Well: NBU 922-290		Spud Conductor: 12/17/2008		Spud Date: 12/26/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 2/23/2009		End Date: 2/26/2009	
Active Datum: RKB @4,955.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	36	B	P		<p>OPEN WELL 1000# STG 4)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLES SIZE. 90 DEG PHASING. RIH SET CBP @ 8530' P/U PERF F/ 8496'-00', 4 SPF, 16 HOLES. 8436'-42', 4 SPF, 24 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 2111#, BEG PUMP, BRK @ 2986#, 3.9 BPM. SD ISIP 2293#, FG .72. BEG FRAC, PUMP 28,902# 40/70 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2647#, FG .76.. X-OVER FOR W.L..</p> <p>STG 5)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8276', P/U PERF F/ 8240'-46', 4 SPF, 24 HOLES. 8200'-02', 4 SPF, 8 HOLES. 8100'-02', 4 SPF, 8 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 1803#, BEG PUMP, BRK @ 2659# @ 4.4 BPM. SD ISIP 2155#, FG .71. BEG FRAC, PUMP 44,436# 40/70 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2321#, FG .73. X-OVER FOR W.L.</p> <p>STG 6)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7990', P/U PERF F/ 7956'-60', 4 SPF, 16 HOLES. 7850'-56', 4 SPF, 24 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 1925#, BEG PUMP, BRK @ 3144# @ 3.7 BPM. SD ISIP 2505#, FG .76. BEG FRAC, PUMP 22,791# 40/70 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2492#, FG .76. X-OVER FOR W.L..</p> <p>STG 7)PU 4 1/2, 8K BAKER CBP @ 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7602', P/U PERF F/ 7574'-80', 4 SPF, 24 HOLES. 7500'-04' 4 SPF, 16 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 960#, BEG PUMP, BRK @ 5704# @ 3.7 BPM. SD ISIP 2685#, FG .80. BEG FRAC, PUMP 23,180# 40/70 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2532#, FG .78. X-OVER FOR W.L..</p> <p>STG 8)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7440', P/U PERF F/ 7410'-20', 3 SPF, 30 HOLES. 7293'-97', 3 SPF, 12 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 1315#, BEG PUMP, BRK @ 3103# @ 3.6 BPM. SD ISIP 2424#, FG .77. BEG FRAC, PUMP 56,042# 40/70 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2544#, FG .79. X-OVER FOR W.L..</p> <p>STG 9)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7190', P/U PERF F/ 7166'-72', 3 SPF, 18 HOLES. 7100'-04', 3 SPF, 12 HOLES. 7022'-26', 3 SPF, 12 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL</p>

ROCKIES

Operation Summary Report

Well: NBU 922-290		Spud Conductor: 12/17/2008		Spud Date: 12/26/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 2/23/2009		End Date: 2/26/2009	
Active Datum: RKB @4,955.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/26/2009	7:00 - 7:30	0.50	COMP	48		P		726#. BEG PUMP, BRK @ 2745# @ 3.7 BPM. SD ISIP 1569#, FG .66. BEG FRAC, PUMP 97,158# 40/70 WHITE & TAIL IN W/ 5,000# 20/40 TLC. (RAMPED UP T/ 2.5# SAND. DID NOT SEAM T/ AFFECT PSI ANY.) SD ISIP 2357#, FG .77. X-OVER FOR W.L.. PU 4 1/2, 8K BAKER CBP. RIH SET KILL PLUG @ 6982'. POOH. RDMO BJ SERV CO. & SCHLUMBERGER W.L.. BLEED OFF WELL. ND FRAC VALVES, NU BOP. SWI, SDFN. PREP T/ DRL OUT CBP'S IN THE :AM. HSM.

ROCKIES

Operation Summary Report

Well: NBU 922-290		Spud Conductor: 12/17/2008		Spud Date: 12/26/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 2/23/2009		End Date: 2/26/2009	
Active Datum: RKB @4,955.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation								
	7:30 - 18:00	10.50	COMP	44	C	P		<p>OPEN WELL 0#. PU 3 7/8 BIT + X-DART + POBS + XN-NIPPLE (1.875). RIH W/ 2 3/8, J-55 TBG. TAG FILL @ 6962'. RU DRL EQUIP. BRK CONV CIRC. CBP 1) TAG FILL @ 6962' = 20' FILL. C/O SAND, DRL OUT CBP @ 6982' IN 9 MIN. 600# INCR. CONT RIH.</p> <p>CBP 2) TAG FILL @ 7170' = 20' FILL. C/O SAND, DRL OUT CBP @ 7190' IN 6 MIN. 200# INCR. CONT RIH.</p> <p>CBP 3) TAG FILL @ 7410' = 30' FILL. C/O SAND, DRL OUT CBP @ 7440' IN 7 MIN. 125# INCR. CONT RIH.</p> <p>CBP 4) TAG FILL @ 7590' = 20' FILL. C/O SAND, DRL OUT CBP @ 7610' IN 8 MIN. 175# INCR. CONT RIH.</p> <p>CBP 5) TAG FILL @ 7960' = 30' FILL. C/O SAND, DRL OUT CBP @ 7990' IN 8 MIN. 200# INCR. CONT RIH.</p> <p>CBP 6) TAG FILL @ 8256' = 20' FILL. C/O SAND, DRL OUT CBP @ 8276' IN 10 MIN. 250# INCR. CONT RIH.</p> <p>CBP 7) TAG FILL @ 8500' = 30' FILL. C/O SAND, DRL OUT CBP @ 8530' IN 6 MIN. 250# INCR. CONT RIH.</p> <p>CBP 8) TAG FILL @ 8657' = 25' FILL. C/O SAND, DRL OUT CBP @ 8682' IN 8 MIN. 350# INCR. CONT RIH.</p> <p>CBP 9) TAG FILL @ 8906' = 20' FILL. C/O SAND, DRL OUT CBP @ 8926' IN 9 MIN. 300# INCR. CONT RIH. TAG FILL @ 9056' C/O T/ PBTD @ 9123' = 67' R.H. CIRC WELL W/ 30 BBLS 2% KCL. RD DRL EQUIP. POOH, LD 14 JTS 2 3/8, J-55. PU 4 1/16 LAND TBG W/</p> <table border="0"> <tr> <td>KB</td> <td>18.00</td> </tr> <tr> <td>4 1/16 TBG HNGR</td> <td>.83</td> </tr> <tr> <td>279 JTS 2 3/8, J-55</td> <td>8695.01</td> </tr> <tr> <td>XN-NIPPLE/POBS</td> <td>2.20</td> </tr> </table> <p>EOT @ 8695.01 ND BOP, NUWH. DROP BALL. PUMP BIT OFF W/ 20 BBLS 2% KCL. SWI FOR 30 MIN. OPEN WELL T/ PIT ON OPEN CHOKE. TURN WELL OVER T/ FBC. RACK OUT RIG EQUIP & RD RIG.</p> <p>SICP 1850# FTP 150#</p> <p>279 JTS IN WELL. 1 BAD JT. 23 JTS SENT BACK ON TRAILER. 7 AM FLBK REPORT: CP 1975#, TP 1750#, 20/64" CK, 44 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3106.5 TTL BBLS LEFT TO RECOVER: 12533.5</p>	KB	18.00	4 1/16 TBG HNGR	.83	279 JTS 2 3/8, J-55	8695.01	XN-NIPPLE/POBS	2.20
KB	18.00															
4 1/16 TBG HNGR	.83															
279 JTS 2 3/8, J-55	8695.01															
XN-NIPPLE/POBS	2.20															
2/27/2009	7:00 -			33	A											

ROCKIES

Operation Summary Report

Well: NBU 922-290		Spud Conductor: 12/17/2008		Spud Date: 12/26/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 2/23/2009		End Date: 2/26/2009	
Active Datum: RKB @4,955.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/28/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3800#, TP 2400#, 20/64" CK, 41 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 4116.5 TTL BBLS LEFT TO RECOVER: 11523.5
3/1/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3675#, TP 2500#, 20/64" CK, 38 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5052.5 TTL BBLS LEFT TO RECOVER: 10587.5
	11:00 -		PROD					WELL TURNED TO SALES @ 1100 HR ON 03/01/2009 - FTP 2500#, CP 3600#, CK 20/64", 2500 MCFD, 912 BWPD
3/2/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3425#, TP 2500#, 20/64" CK, 36 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5880.5 TTL BBLS LEFT TO RECOVER: 9759.5

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
ST UO-1207

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 922-290

9. API NUMBER:
4304740083

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SWSE 29 9S, 22E

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPUDED: **12/17/2008** 15. DATE T.D. REACHED: **1/22/2009** 16. DATE COMPLETED: **3/1/2009** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
4937'gl

18. TOTAL DEPTH: MD **9,190** 19. PLUG BACK T.D.: MD **9,123** 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
SD, DSN, HRI

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,420		660			
7 7/8"	4 1/2 I-80	11.6#		9,190		1470			

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"	8,695							

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) WSTCH/MSVD	7,022	7,172			7,022 7,172	0.36	42	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) MESAVERDE	7,293	9,056			7,293 9,056	0.36	322	Open <input checked="" 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
7022'-7172'	PMP 2679 BBLs SLICK H2O & 102,158# 40/70 OTTOWA SD
7293'-9056'	PMP 12,961 BBLs SLICK H2O & 454,776# 40/70 OTTOWA SD

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:
PROD

RECEIVED

APR 20 2009

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/1/2009		TEST DATE: 3/7/2009		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 70	GAS - MCF: 2,782	WATER - BBL: 450	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 1,250	CSG. PRESS. 2,915	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 70	GAS - MCF: 2,782	WATER - BBL: 450	INTERVAL STATUS: PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED: 3/1/2009		TEST DATE: 3/7/2009		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 70	GAS - MCF: 2,782	WATER - BBL: 450	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 1,250	CSG. PRESS. 2,915	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 70	GAS - MCF: 2,782	WATER - BBL: 450	INTERVAL STATUS: PROD

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	1,270				
BIRDS NEST	1,645				
MAHOAGANY	2,133				
WASATCH	4,552	7,032			
MESAVERDE	7,081	9,022			

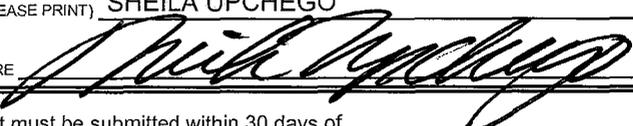
35. ADDITIONAL REMARKS (Include plugging procedure)

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 REGULATORY ANALYST

SIGNATURE



DATE 4/15/2009

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
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: ST UO 1207
	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 922-290
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047400830000
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: 0733 FSL 2290 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 29 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: 9/10/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: extension for pit

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

Kerr McGee Oil and Gas Onshore LP respectfully requests to have the pit extended for approximately 90 days for the NBU 922-290. The pit extension will allow KMG to recycle frac fluid that will be used on the near by multi-well pad, which will lessen the amount of fresh water that will have to be hauled in by trucks. The operator will maintain fences around the pit on a daily basis. No hydrocarbons shall be kept in the pit. If hydrocarbons are present, they will be immediately skimmed off and hauled away within 24 hours.

Approved by the Utah Division of Oil, Gas and Mining
Date: September 14, 2009
By:

NAME (PLEASE PRINT) Ramey Hoopes	PHONE NUMBER 435 781-7003	TITLE Sr. Land Specialist
SIGNATURE N/A	DATE 9/2/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
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 922-290
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047400830000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0733 FSL 2290 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 29 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: 8/22/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text"/>

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

The operator requests authorization to re-complete the subject well location. The operator proposes to re-complete the Wasatch formation. The operator also requests authorization to commingle the newly Wasatch and existing Mesaverde formations. Please refer to the attached re-completion procedures.

Approved by the Utah Division of Oil, Gas and Mining

Date: 08/31/2011

By: *Derek Duff*

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 8/22/2011	

Please Review Attached Conditions of Approval

RECEIVED Aug. 22, 2011



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047400830000

Authorization: Board Cause No. 173-14.

Greater Natural Buttes Unit



NBU 922-290
RE-COMPLETIONS PROCEDURE

DATE:8/9/2011
AFE#:
API#:4304740083
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: Zach Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 922-290
Location: SW SE SEC 29 T9S R22E
Uintah County, UT
Date: 8/9/2011

ELEVATIONS: 4937' GL 4952' KB *Frac Registry TVD: 9186*

TOTAL DEPTH: 9190' **PBTD:** 9123'
SURFACE CASING: 9 5/8", 36# J-55 LT&C @ 2420'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9190'
 Marker Joint **4484-4504'**

TUBULAR PROPERTIES:

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

TOPS:

1270' Green River Top
 1645' Bird's Nest Top
 2133' Mahogany Top
 4550' Wasatch Top
 7081' Mesaverde Top

BOTTOMS:

7081' Wasatch Bottom
 9190' Mesaverde Bottom (TD)

T.O.C. @ 880'

GENERAL:

- A minimum of **7** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 1/22/2009
- **3** fracturing stages required for coverage.
- Procedure calls for **4** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**

- If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)
- **TIGHT SPACING ON STAGE 2; OVERFLUSH BY 5 BBLs**
- Tubing Currently Landed @~8695
- Originally completed on 2/23/2009

Existing Perforations:

NBU 922-290

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	9006	9008	2	4	8995.5	to	9009
	MESAVERDE	9044	9056	3	36	9037	to	9114
	# of Perfs/stage				40	CBP DEPTH	8,926	
2	MESAVERDE	8746	8750	4	16	8742	to	8751.5
	MESAVERDE	8890	8896	4	24	8778	to	8789.5
	# of Perfs/stage				40	CBP DEPTH	8,890	
3	MESAVERDE	8580	8584	4	16	8536.5	to	8543.5
	MESAVERDE	8654	8660	4	24	8569.5	to	8586.5
	# of Perfs/stage				40	CBP DEPTH	8,530	
4	MESAVERDE	8436	8442	4	24	8359.5	to	8382.5
	MESAVERDE	8496	8500	4	16	8383.5	to	8398.5
	# of Perfs/stage				40	CBP DEPTH	8,276	
5	MESAVERDE	8100	8102	4	8	8022.5	to	8029
	MESAVERDE	8200	8202	4	8	8045.5	to	8076
	MESAVERDE	8240	8246	4	24	8086	to	8121
	# of Perfs/stage				40	CBP DEPTH	7,990	
6	MESAVERDE	7850	7856	4	24	7822.5	to	7859.5
	MESAVERDE	7956	7960	4	16	7876.5	to	7893.5
	# of Perfs/stage				40	CBP DEPTH	7,610	
7	MESAVERDE	7500	7504	4	16	7497	to	7506.5
	MESAVERDE	7574	7580	4	24	7550.5	to	7561.5
	# of Perfs/stage				40	CBP DEPTH	7,450	
8	MESAVERDE	7293	7297	3	12	7239.5	to	7267.5
	MESAVERDE	7410	7420	3	30	7272	to	7280
	# of Perfs/stage				42	CBP DEPTH	7,202	
9	WASATCH	7022	7026	3	12	6951.5	to	6957.5
	MESAVERDE	7100	7104	3	12	7007	to	7036.5
	MESAVERDE	7166	7172	3	18	7086	to	7129.5
	# of Perfs/stage				42	CBP DEPTH	6,972	
	Totals				364			

Relevant History:

Barium scale periodically. Most recent slickline report: 1/14/2011→Fluid Level, gas cut; SN Depth, 8698; SN Type X

H2S History:

NBU 922-290 ^{rw}

Date	H2S H2S_SEPARATO R_PPM
10/1/2008	0.00
11/1/2008	
12/1/2008	
1/1/2009	
2/1/2009	
3/1/2009	
4/1/2009	0.00
5/1/2009	
6/1/2009	
7/1/2009	
8/1/2009	
9/1/2009	
10/1/2009	0.00
11/1/2009	6.00
12/1/2009	0.00
1/1/2010	0.00
2/1/2010	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. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8695'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 7036 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7036 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6986'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 6742 | 6745 | 3 | 9 |
| WASATCH | 6953 | 6956 | 4 | 12 |
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6742' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~5840'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5580 | 5582 | 3 | 6 |
| WASATCH | 5593 | 5595 | 3 | 6 |
| WASATCH | 5732 | 5734 | 3 | 6 |
| WASATCH | 5808 | 5810 | 3 | 6 |
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5580' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLs
9. Set 8000 psi CBP at ~5538'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5462 | 5465 | 4 | 12 |
| WASATCH | 5505 | 5508 | 4 | 12 |
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5462' flush only with recycled water.
11. Set 8000 psi CBP at~5412'.
14. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
15. Mill 3 plugs and clean out to a depth of 6966'.
16. Land tubing at 6700', drop ball and pump open sub. Flow back completion load. RDMO
17. MIRU, POOH tbg and mill. TIH with POBS and mill.
18. Mill last plug @ 6986' clean out to PBSD at 9122'. Land tubing at ±8695' pump off bit and bit sub . This well WILL be commingled at this time.
19. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.
- 20. Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Zach Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)**

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

NOTES:

TIGHT SPACING ON STAGE 2; OVERFLUSH BY 5 BBLs

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

Verify that the Braden head valve is locked OPEN.

Acid Pickling and H₂S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

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

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

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

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

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

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

Key Contact information

Completion Engineer

Zach Garrity: 406-781-6427, 720-929-6180
 Production Engineer

Jordan Portillo: 435-828-6221, 435-781-9785

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

Name NBU 922-290 Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	6742	6745	3	9	6738	to	6747.5
	WASATCH	6953	6956	4	12	6951	to	6957.5
	# of Perfs/stage				21	CBP DEPTH	5,860	
2	WASATCH	5580	5582	3	6	5565	to	5584.5
	WASATCH	5593	5595	3	6	5587	to	5604
	WASATCH	5732	5734	3	6	5720	to	5747
	WASATCH	5808	5810	3	6	5805.5	to	5815.5
	# of Perfs/stage				24	CBP DEPTH	5,538	
3	WASATCH	5462	5465	4	12	5444.5	to	5476.5
	WASATCH	5505	5508	4	12	5485	to	5513.5
	# of Perfs/stage				24	CBP DEPTH	5,412	
	Totals				69			

Swabbing Days 3 Enter Number of swabbing days here for recompletes
 Production Log 0 Enter 1 if running a Production Log
 DFTI 0 Enter Number of DFTIs

Recomplete? Y
 Pad? N
 ACTS? N

Copy to new book

Fracturing Schedules
 Name NB1922-290 Recomplete
 Slickwater Frac

Stage	Zone	Pay		Mid-Ft	Perfs		Rate	Holes	SPF	Fluid	Initial	Final	Fluid	Volume	Cum Vol	Volume	Cum Vol	Fluid	Sand	Sand	Cum. Sand	Footage from	Scale
		Top. ft.	Bot. ft.		Top. ft.	Bot. ft.																	
1	WASATCH	6738	6748	0.27	6742	6745	9	3	3	Pump-in test			Slickwater	0	0	0	0	0	0.0%		0		38
	WASATCH	6951	6958	0.38	6953	6956	12	4	4	0 ISIP and 5 min ISIP	0.25	1	Slickwater	3,102	74	3,102	74	15.0%	0.0%	0	0	9	
	WASATCH			0.00			50			Slickwater Pad			Slickwater	13,443	246	13,443	246	50.0%	37.3%	6,463	6,463	31	
	WASATCH			0.00			50			Slickwater Ramp	1	2	Slickwater	7,239	172	20,682	492	35.0%	62.7%	10,858	17,321	0	
	WASATCH			0.00			50			Flush (4-1/2)			Slickwater	4,401	105	25,083	597			17,321	17,321	0	
	WASATCH			0.00						ISDP and 5 min ISDP			Slickwater								17,321	0	
	WASATCH			0.00									Slickwater			25,083	597			17,321	17,321	0	
	WASATCH			0.00									Slickwater								17,321	0	
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	WASATCH			0.00									Slickwater										

MD	TVD	INC
0	0	0
100	100	0
200	200	0.5
300	300	0
400	400	0.25
500	500	0.5
600	599.99	0.5
700	699.99	0.5
800	799.99	0.25
900	899.99	0
1000	999.98	0.25
1100	1099.98	0.25
1200	1199.98	0.25
1300	1299.98	0.25
1400	1399.98	0.5
1500	1499.98	0.25
1600	1599.97	0.75
1700	1699.97	0.75
1800	1799.96	0.5
1900	1899.95	1
2000	1999.94	0.75
2100	2099.93	0.75
2200	2199.92	0.75
2300	2299.91	1
2400	2399.89	1.25
2500	2499.87	1.25
2600	2599.84	1.75
2700	2699.79	1.75
2780	2779.76	1.5
2800	2799.75	1.5
2900	2899.71	1.75
3000	2999.68	1.25
3200	3199.61	1.75
3400	3399.5	2
3600	3599.38	2
3800	3799.28	1.75
4000	3999.17	2
4200	4199.05	2
4400	4398.89	2.5
4600	4598.72	2.25
4800	4798.55	2.5
5000	4998.34	2.75
5200	5198.11	2.75
5400	5397.9	2.5
5600	5597.71	2.5
5800	5797.5	2.75
6000	5997.29	2.5
6200	6197.14	2
6400	6397.03	1.75
6600	6596.91	2.25
6800	6796.78	2
7000	6996.62	2.5
7200	7196.41	2.75
7400	7396.16	3
7600	7595.89	3
7800	7795.66	2.5
8000	7995.4	3.25
8200	8195.06	3.5
8400	8394.69	3.5
8600	8594.31	3.5

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: ST UO-1207	
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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME UTU63047A	
3. ADDRESS OF OPERATOR: P.O. BOX 173779 CITY DENVER STATE CO ZIP 80217		8. WELL NAME and NUMBER: NBU 922-290	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: SWSE 733FSL 2290 FEL S29, T9S, R22E		9. API NUMBER: 4304740083	
AT TOP PRODUCING INTERVAL REPORTED BELOW:		10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES	
AT TOTAL DEPTH:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 7 9S 22E S	
14. DATE SPURRED: 12/17/2008		15. DATE T.D. REACHED: 1/22/2009	
16. DATE COMPLETED: 10/15/2011		17. ELEVATIONS (DF, RKB, RT, GL): 4934 GL	
18. TOTAL DEPTH: MD 9,190		19. PLUG BACK T.D.: MD 9,123	
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-SD/DSN/HRI		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#	0	40		28			
12 1/4"	9 5/8" J-55	36#	0	2,420		660		0	
7 7/8"	4 1/2" I-80	11.6#	0	9,190		1,470			

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"	6,696							

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	5,462	6,956			5,462 6,956	0.36	69	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
5462 - 6956	PUMP 2794 BBLs SLICK H2O & 83,103 LBS 30/50 OTTAWA SAND 3 STAGES

29. ENCLOSED ATTACHMENTS:		30. WELL STATUS:	
<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: _____	

PROD RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 10/15/2011		TEST DATE: 10/18/2011		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 788	WATER – BBL: 20	PROD. METHOD: FLOWING
CHOKE SIZE: 36/64	TBG. PRESS. 456	CSG. PRESS. 144	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 788	WATER – BBL: 20	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.)

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	1,270
				BIRD'S NEST	1,645
				MAHOGANY	2,133
				WASATCH	4,550
				MESAVERDE	7,081

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the chronological recompletion history and perforation report.

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

NAME (PLEASE PRINT) JAIME SCHARNOWSKE TITLE REGULATORY ANALYST
 SIGNATURE *Jaime Scharnowske* DATE 11/17/2011

This report must be submitted within 30 days of

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

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

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

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801
 Phone: 801-538-5340
 Fax: 801-359-3940

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-290	Spud Conductor: 12/17/2008	Spud Date: 12/26/2008
Project: UTAH-UINTAH	Site: NBU 922-290	Rig Name No: MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 10/6/2011	End Date: 10/13/2011
Active Datum: RKB @4,955.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/6/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- RDSU. ROAD RIG. RUSU. POOH.
	7:15 - 9:00	1.75	COMP	30	C	P		RDSU. RACK OUT EQUIP.
	9:00 - 13:00	4.00	COMP	30	A	P		ROAD RIG AND EQUIP FROM NBU 921-35J1CS TO LOCATION. SPOT AND RUSU. FTP 120, FCP 120, SURFACE 0. LAY PMP LINES. PMP 10 BBLS DOWN TBG. ND WH. CHIP OUT SCALE FROM TBG THREADS. NU BOP. RU FLOOR. SPOT TBG TRAILER. UNLAND TBG FROM 8695'. LUB OUT AND LD 4" 10K HANGER.
	13:00 - 17:00	4.00	COMP	31	I	P		POOH W/ 278-JTS 2-2/8" J-55 PROD TBG. HAD SCALE INSIDE OF TOP 10-JTS (312'). SCALE ON OUTSIDE OF TBG 19-JTS (7113'-7738'). FOUND 8 CRIMPED JTS. CONTROL WELL W/ 160 BBLS TODAY.
10/7/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- RIH. POOH. ND/NU. EWL. PRES TEST.
	7:15 - 9:45	2.50	COMP	31	I	P		SICP 650. BWD. CONTROL WELL W/ TMAC. MU 3-7/8" MILL, BIT SUB, 1.87" XN. RIH AS SLM W/ 2-3/8" J-55 TBG. RAN 226-JTS TO 7066'. DID NOT TAG.
	9:45 - 11:45	2.00	COMP	31	I	P		POOH W/ 210-JTS AND LD 28-JTS AND MILL.
	11:45 - 14:00	2.25	COMP	34	I	P		MIRU CASED HOLE EWL. RIH W/ 4-1/2" CIBP. SET CIBP AT 6986'. POOH W/ EWL.
	14:00 - 15:00	1.00	COMP	30	F	P		FILL CSG W/ 75 BBLS TMAC. RD FLOOR. ND BOP. NU WH. NU FRAC VALVES. RU FLOOR. FILL SURFACE CSG.
	15:00 - 17:00	2.00	COMP	33	C	P		RU B&C QUICK TEST. PRES TEST CSG. 1000# FOR 15 MIN (LOST 24#). 3500# FOR 15 MIN (LOST 18#). 6200# FOR 30 MIN (LOST 21#). SURFACE CSG NO BLOW OR FLOW. BLEED OFF PRESSURE. RD B&C. SDFN
10/10/2011	9:00 - 9:15	0.25	COMP	48		P		JSA- PERF.
	9:15 - 11:00	1.75	COMP	37	B	P		RU CASED HOLE EWL. RIH W/ 3-1/8" PERF GUN (23 GRAM, 40" PENT, .36 EOD, 3 SPF ON 120") PERF AS PER STAGE 1 PROCEEDURE.
10/11/2011	11:00 - 14:00	3.00	COMP	46	F	P		WAITING FOR SUPERIOR.
	13:00 - 13:15	0.25	COMP	48		P		JSA- FRAC AND PERF.
	13:15 - 16:00	2.75	COMP	46	F	P		WAITING FOR SUPERIOR TO ARRIVE.
	16:00 - 18:00	2.00	COMP	36	B	P		MIRU SUPERIOR. SDFN
10/12/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- FRAC AND PERF
	7:15 - 8:12	0.95	COMP	36	B	P		PRES TEST SURFACE LINES TO 7200 PSI. GOOD. STAGE #1- OPEN WELL- SICP 285 PSI. BRK 2861 PSI AT 4.7 BPM, ISIP 1592, FG .67. PMP 100 BBLS SLK WTR, 37.6 BPM @ 5304 PSI = 60% PERFS OPEN. MP 5758, MR 51.3, AP 5101, AR 49.1, FG .77, ISIP 2296, NPI 704.
BBLS PMP 741.3 SLK WTR, 17,291# 30/50 PROP.								

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-290		Spud Conductor: 12/17/2008		Spud Date: 12/26/2008	
Project: UTAH-UINTAH		Site: NBU 922-290		Rig Name No: MILES 3/3	
Event: RECOMPL/RESEREVEADD		Start Date: 10/6/2011		End Date: 10/13/2011	
Active Datum: RKB @4,955.00usft (above Mean Sea Level)			UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:12 - 9:17	1.08	COMP	37	B	P		STAGE #2- PU 4-1/2" HALCO 8K CBP AND 3-3/8" EXP GUNS, 23 GM, .36 HOLES, 3 SPF ON 120* PHASING.
	9:17 - 9:20	0.05	COMP	36	B	P		SET CBP AT 5830'. PERF AS PER PROCEEDURE. STAGE #2- OPEN WELL- SICP 84 PSI. BRK 1588 PSI AT 5.1 BPM, ISIP 1072, FG .63. PMP 100 BBLS SLK WTR, 51.3 BPM @ 3193 PSI = 100% PERFS OPEN. MP 3915, MR 52, AP 2700, AR 51.5, FG .59, ISIP 857, NPI -215.
	9:20 - 10:23	1.05	COMP	37	B	P		BBLs PMP 789.3 SLK WTR, 23,245# 30/50 PROP. STAGE #3- PU 4-1/2" HALCO 8K CBP AND 3-3/8" EXP GUNS, 23 GM, .36 HOLES, 4 SPF ON 90* PHASING.
	10:23 - 11:00	0.62	COMP	36	B	P		SET CBP AT 5510'. PERF AS PER PROCEEDURE. STAGE #3- OPEN WELL- SICP 75 PSI. BRK 2338 PSI AT 4.1 BPM, ISIP 490, FG .53 (CONFER W/ ZACH, GOOD TO FRAC). PMP 100 BBLS SLK WTR, 51.7 BPM @ 2488 PSI = 100% PERFS OPEN. MP 3273, MR 51.8, AP 2473, AR 51.6, FG .65, ISIP 1151, NPI 661.
	11:00 - 12:00	1.00	COMP	34	I	P		BBLs PMP 1263.3 SLK WTR, 42,567# 30/50 PROP. CUMM TOTALS 83,103# 30/50 SAND 2794 BBLS SLK WTR 298 GAL SCALE INHIB. 57 GAL BIOCID. RIH AND SET HALCO 8K CBP FOR KILL PLUG AT 5385'
	12:00 - 13:00	1.00	COMP	46	F	P		RDMO SUPERIOR AND CASED HOLE
	13:00 - 15:00	2.00	COMP	31	I	P		ND FRAC VALVE. NU BOP. RU FLOOR AND TBG EQUIP. MU 3-7/8" MILL, PMP OPEN BIT SUB, 1.87" XN AND RIH ON 172-JTS 2-3/8" J-55 TBG. RU PWR SWIVEL. EOT AT 5363'. SDFN
10/13/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- D/O PLUGS. LAND TBG. NU/ND.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-290		Spud Conductor: 12/17/2008		Spud Date: 12/26/2008	
Project: UTAH-UINTAH		Site: NBU 922-290		Rig Name No: MILES 3/3	
Event: RECOMPL/RESEREVEADD		Start Date: 10/6/2011		End Date: 10/13/2011	
Active Datum: RKB @4,955.00usft (above Mean Sea Level)			UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 13:30	6.25	COMP	44	C	P		<p>FILL TBG. PRES TEST TO 3000#. GOOD. EST CIRC AND D/O 3 PLUGS.</p> <p>#1- C/O 15' SAND TO CBP AT 5385'. D/O IN 5 MIN. 0# IN MIN. FCP 0. RIH.</p> <p>#2- C/O 30' SAND TO CBP AT 5510'. D/O IN 7 MIN. 0# IN MIN. FCP 0. RIH.</p> <p>#3- C/O 30' SAND TO CBP AT 5830'. D/O IN MIN. # IN MIN. FCP. RIH.</p> <p>CIBP- C/O ' SAND TO ISOLATION PLUG AT 6986'. W/ 224-JTS IN. (30' RATHOLE) CIRC CLEAN.</p> <p>RD PWR SWVEL. POOH AS LD 10-JTS. PU 4" 10K HANGER. LUB IN AND LAND 214-JTS W/ EOT AT 6696.73'. RD FLOOR. ND BOP. NU WH. PUMP OPEN BIT SUB AT #. HOOK UP TO HAL 9000. SITP 25, SICP 17. TURN OVER TO FBC AND SALES. RDSU. MOVE OFF.</p> <p>TBG DETAIL KB 18.00 4" 10K HANGER .83 214-JTS 2-3/8" J-55 6673.85 1.87" XN (PMP OPEN) 3.05 (MILL ON BTM) EOT 6695.73 CIBP SET AT 6986' FOR ISOLATION.</p> <p>TWTR 2794 BBLS, TWR 200 BBLS, LTR 2594 BBLS. WELL TURNED TO SALES ON 10/15/2011 @ 0820 HR - FTP 400#, CP 770#, CK 20/64", 550 MCFD, 14 BWPD</p>
10/15/2011	8:20 -			50				

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 922-290	Wellbore No.	OH
Well Name	NBU 922-290	Wellbore Name	NBU 922-290
Report No.	1	Report Date	10/6/2011
Project	UTAH-UINTAH	Site	NBU 922-290
Rig Name/No.	MILES 3/3	Event	RECOMPL/RESEREVEADD
Start Date	10/6/2011	End Date	10/13/2011
Spud Date	12/26/2008	Active Datum	RKB @4,955.00usft (above Mean Sea Level)
UWI	Q/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0		

1.3 General

Contractor	CASEHOLE SOLUTIONS	Job Method	PERFORATE	Supervisor	FRANK WINN
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type	KCL WATER	Fluid Density	8.50 (ppg)
Surface Press	0.00 (psi)	Estimate Res Press	
TVD Fluid Top	0.0 (usft)	Fluid Head	6,956.0 (usft)
Hydrostatic Press	3,071.49 (psi)	Press Difference	3,071.49 (psi)
Balance Cond	OVER BALANCED		

1.5 Summary

Gross Interval	5,462.0 (usft)-6,956.0 (usft)	Start Date/Time	10/10/2011 12:00AM
No. of Intervals	8	End Date/Time	10/12/2011 10:38AM
Total Shots	0	Net Perforation Interval	20.00 (usft)
Avg Shot Density	0.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

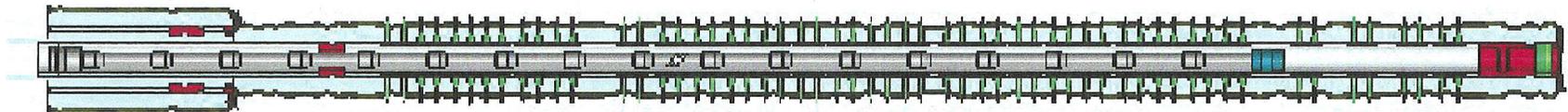
Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
10/12/2011 10:38AM	WASATCH/			5,462.0	5,465.0			0.360	EXP/	3.375	90.00	D.P./	23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
10/12/201 1 10:38AM	WASATCH/			5,505.0	5,508.0			0.360	EXP/	3.375	90.00	D.P./	23.00	PRODUCTIO N	
10/12/201 1 10:38AM	WASATCH/			5,580.0	5,582.0			0.360	EXP/	3.375	120.00	D.P./	23.00	PRODUCTIO N	
10/12/201 1 10:38AM	WASATCH/			5,593.0	5,595.0			0.360	EXP/	3.375	120.00	D.P./	23.00	PRODUCTIO N	
10/12/201 1 10:38AM	WASATCH/			5,732.0	5,734.0			0.360	EXP/	3.375	120.00	D.P./	23.00	PRODUCTIO N	
10/12/201 1 10:38AM	WASATCH/			5,808.0	5,810.0			0.360	EXP/	3.375	120.00	D.P./	23.00	PRODUCTIO N	
10/10/201 1 1:41PM	WASATCH/			6,742.0	6,745.0			0.360	EXP/	3.375	120.00	D.P./	23.00	PRODUCTIO N	
10/10/201 1 12:00AM	WASATCH/			6,953.0	6,956.0			0.360	EXP/	3.375	90.00	D.P./	23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
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 922-290
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047400830000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0733 FSL 2290 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 29 Township: 09.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/25/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: WELLBORE CLEANOUT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>THE OPERATOR HAS COMPLETED THE FOLLOWING WORKOVER/WELLBORE CLEANOUT ON THE SUBJECT WELL ON 04/25/2014. SEE ATTACHED OPERATIONS SUMMARY REPORT.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 20, 2014</p>		
NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 5/20/2014

US ROCKIES REGION

Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 922-290			Spud Conductor: 12/17/2008			Spud Date: 12/26/2008		
Project: UTAH-UINTAH			Site: NBU 922-290			Rig Name No: SWABBCO 10/10		
Event: WELL WORK EXPENSE			Start Date: 4/8/2014			End Date: 4/10/2014		
Active Datum: RKB @4,955.00usft (above Mean Sea Level)			UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/8/2014	7:00 - 7:15	0.25	WO/REP	48		P		SAFETY = JSA.
	7:15 - 9:00	1.75	WO/REP	30	C	P		FINISH RDMO NBU 922-29D PAD. ROAD RIG TO LOCATION.
	9:00 - 11:15	2.25	WO/REP	30	A	P		FCP= 80#. FTP= 80#. MIRU. CNTRL TBG W/ 20BBLS TMAC. CNTRL CSNG W/ 20BBLS TMAC. NDWH. UN-LAND WELL TO MAKE SURE TBG WAS FREE (GOOD). LAND WELL BACK ON HANGER. NUBOP. R/U FLOOR & TBG EQUIP. UN-LAND WELL. INSTALL WASHINGTON RUBBER. TALLY + P/U RIH W/ 12JTS 2-3/8" J-55 TBNG. T/U @ 9060' PBT. POOH WHILE STANDING BACK 12JTS USED TO T/U. MIRU SCANNERS.
	11:15 - 17:00	5.75	WO/REP	31	I	P		POOH WHILE SCANNING 279JTS 2-3/8" J-55 TBNG. CNTRL WELL AS NEEDED W/ ANOTHER 30BBLS TMAC. SCAN RESULTS AS FOLLOWS: YELLOW BAND = 259JTS 2-3/8" J-55 TBNG. LIGHT INTERNAL SCALE FROM JT#1 TO JT #85. MEDIUM INTERNAL SCALE FROM JT #86 TO JT#101. LIGHT INTERNAL SCALE FROM JT#102 TO JT#267. HEAVY INTERNAL SCALE FROM JT#269 TO JT#275. RED BAND = 20JTS 2-3/8" J-55 TBNG. JT#275 HAD MULTIPLE HOLES AROUND UPSET. JT#275 TO JT#279 RED W/ WALL LOSS & INTERNAL PITTING. JT#276 PLUGGED W/ SCALE AND 3PLUNGERS. ALSO L/D RED JTS DUE TO BENT TBNG. EXTERNAL SCALE WAS LIGHT FROM JT#52 TO JT#243. MEDIUM EXT SCALE FROM JT#244 TO JT#261. LIGHT EXT SCALE FROM JT#262 TO JT#279. PATCHES OF HEAVY EXT SCALE. RDMO SCANNERS. OPEN WELL TO SALES FOR NIGHT. SDFN. NOTE: MULTIPLE PLUGGED JTS HAD TRAPPED PRESSURE. VERY SLOW POOH DUE TO OVER-TORQUED PIPE. ALSO SPOKE W/ ENGINEER & DECIDED NOT TO C/O SCALE.
	7:00 - 11:00	4.00	MAINT	35		P		Travel to location (1hr) rig up rih with JDC down to 8625 pooh pulled heavy pooh did not have fish rih with scratcher down to 8625 beat down could not get past pooh rih with JDC down to 8625 beat down pooh pulled heavy did not have fish rig down moved to next well.
4/9/2014	7:00 - 7:15	0.25	WO/REP	48		P		SAFETY = JSA.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-290	Spud Conductor: 12/17/2008	Spud Date: 12/26/2008
Project: UTAH-UINTAH	Site: NBU 922-290	Rig Name No: SWABBCO 10/10
Event: WELL WORK EXPENSE	Start Date: 4/8/2014	End Date: 4/10/2014
Active Datum: RKB @4,955.00usft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 14:30	7.25	WO/REP	31		P		FCP= 80#. BLOW DOWN WELL. CNTRL CSG W/ 20BBLS TMAC. RIH W/ 279JTS 2-3/8" J-55 TBNG + XN & NC. BROACH AFTER EVERY 20 STANDS W/ 1.910" TBG BROACH. CNTRL WELL 3 DIFFERENT TIMES BEFORE BROACHING W/ TOTAL OF 30BBLS TMAC. DROP SV DOWN TBNG & PRESSURE TEST TBNG GOOD @ 1000#. RIH W/ SAND LINE TO TRY AND PLUCK SV. COULD NOT LATCH ONTO SV. MAKE MULTIPLE RUNS BUT DID NOT MAKE ANY PROGRESS. CALL FOR WIRELINE TRUCK TO PERF TBNG SO WE CAN POOH DRY.
	14:30 - 15:30	1.00	WO/REP	46	F	X		WAIT ON WIRELINE TRUCK TO PERF TBNG.
	15:30 - 16:15	0.75	WO/REP	34	H	P		MIRU WIRELINE. P/U & RIH W/ 4 HOLE TBNG PUNCH. PERFORATE TBNG @ 8670'. POOH W/ TOOLS. RDMO WIRELINE.
	16:15 - 17:00	0.75	WO/REP	31	I	P		R/U TBNG EQUIP. POOH W/ 60JTS 2-3/8" J-55 TBNG. OPEN WELL TO SALES LINE. SHUT IN TBNG FOR NIGHT.
4/10/2014	7:00 - 7:15	0.25	WO/REP	48		P		SAFETY = JSA.
	7:15 - 13:00	5.75	WO/REP	31	I	P		FCP= 85#. SITP= 40#. BLOW DOWN WELL. CNTRL TBG W/ 20BBLS TMAC. FINISH POOH W/ REMAINDER OF THE 279JTS 2-3/8" J-55 TBNG. FOUND PERF HOLES IN JT #278, JT#279 WAS PACKED FULL OF CRUSHED UP SCALE. REMOVE SV. L/D THE 2 BAD JTS. RIH W/ 279JTS 2-3/8" J-55 PRODUCTION TBNG. BROACH TBNG W/ 1.910" BROACH WHILE RIH. LAND WELL ON HANGER. NDBOP. NUWH. SWI. RDMOL. ROAD RIG TO NBU 1022-5D4T. TBNG LANDED AS FOLLOWS: KB= 18.00' HANGER= .83' 279JTS 2-3/8" J-55 Y-BND TBNG = 8671.75' 1.875" XN W/ NOTCH COLLAR =1.34' EOT @ 8691.92' TWLTR= 130BBLS
4/12/2014	7:00 - 15:00	8.00	MAINT	42		P		TOM C. - FLUID LEVEL 6400 - 4 RUNS - 1 BBLS
4/14/2014	7:00 - 10:00	3.00	MAINT	42		P		TOM C. - FLUID LEVEL 7000' -MADE 2 RUNS BROUGHT 0BBLS.
	7:00 - 15:00	8.00	MAINT	42		P		TOM C. FLUID LEVEL-6000, RUNS-14, BBLS-22
4/15/2014	12:00 - 14:00	2.00	MAINT	30	A	P		ROAD RIG FROM NBU 1022-2G1BS TO LOC
	14:00 - 17:00	3.00	MAINT	30	A	P		SPOT EQUIP, R/U SERVICE UNIT
4/16/2014	7:00 - 7:15	0.25	MAINT	48		P		JSA-SAFETY MEETING
	7:15 - 9:00	1.75	MAINT	30	F	P		540# ON WELL, BLOW DN TO TK, PUMP WTR TO CONTROL WELL, N/D WH, N/U BOPS
	9:00 - 12:00	3.00	MAINT	31	I	P		TOOH W/ 2 3/8" TBG, BOTTOM JT PLUG W/ SAND, LAY DN LAST 3 JTS,

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-290	Spud Conductor: 12/17/2008	Spud Date: 12/26/2008
Project: UTAH-UINTAH	Site: NBU 922-290	Rig Name No: SWABBCO 10/10
Event: WELL WORK EXPENSE	Start Date: 4/8/2014	End Date: 4/10/2014
Active Datum: RKB @4,955.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/29/0/SWSE/6/PM/S/733.00/E/0/2,290.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:00 - 16:30	4.50	MAINT	31	I	P		P/U 3 7/8" LONG NECK MILL, TIH W/ 2 3/8" TBG TALLY IN, TAG FILL ON JT # 243 @ 7580', PULL OUT LAY DN 34 JTS, R/U SWIVEL AND FOAM UNIT, SHUT WELL IN LOCK RAMS, SDFN
4/17/2014	7:00 - 7:15	0.25	MAINT	48		P		JSA-SAFETY MEETING
	7:15 - 9:00	1.75	MAINT	31	H	P		500# ON WELL, BLOW DN TO TK, PUMP 20 BBLs WTR TO CONTROL WELL, RIH TAG FILL 7950', R/U SWIVEL, ESTB CIRC W/ FOAM UNIT
	9:00 - 14:00	5.00	MAINT	44	D	P		MILL OUT SCALE AND FILL FROM 7950' TO 8650', SOILD SCALE TO 9076' HIT OLD POBS, NEW PBDT 9076', 20' RAT HOLE, CIRC WELL CLEAN, R/D SWIVEL AND FOAM UNIT,
	14:00 - 16:00	2.00	MAINT	31	I	P		P/O LAY DN 33 JTS ON TRAILER, TOO H W/ 21 STANDS, TO 6750', SLIPS BROKE, SHUT WELL IN, LOCK RAMS, SDFWE,
4/21/2014	7:00 - 7:15	0.25	MAINT	48		P		JSA-SAFETY MEETING
	7:15 - 9:30	2.25	MAINT	31	I	P		900# ON WELL, BLOW DN TO TK, PUMP 40 BBLs WTR TO CONTROL WELL, TOO H W/ TBG LAY DN MILL,
	9:30 - 15:00	5.50	MAINT	31	I	P		P/U XN- NIPPLE 1.875" W/ NOTCH END AND NO-GO, TIH W/ 2 3/8" J-55 TBG BROACH TBG IN, LAND TBG W/ 259 JTS @ 8097', N/D BOPS,, N/U WH, R/D UNIT MOVE OFF LOC, TURN WELL OVER TO PRODUCTION,
								KB = 18.00' HANGER = .83' 259 JTS 2 3/8" J-55 TBG = 8078.28' XN-NIPPLE 1.875" = 1.10' W/ NOTCH END & NO-GO
								EOT = 8097.21'
4/23/2014	7:00 - 17:00	10.00	PROD	42	B			FLUID @ 3800, 7 RUNS, 21 BARRELS.
4/24/2014	7:00 - 15:00	8.00	PROD	42	B			FLUID @ 3400, 3 RUNS, 46 BARRELS.
4/25/2014	7:00 - 15:00	8.00	PROD	42	B			FLUID @ 5000, 2 RUNS, 28 BARRELS.