

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NBU 922-36M3T	
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES	
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES	
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.						7. OPERATOR PHONE 720 929-6587	
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL mary.mondragon@anadarko.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 22650			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>	
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	538 FSL 433 FWL	SWSW	36	9.0 S	22.0 E	S	
Top of Uppermost Producing Zone	538 FSL 433 FWL	SWSW	36	9.0 S	22.0 E	S	
At Total Depth	538 FSL 433 FWL	SWSW	36	9.0 S	22.0 E	S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 433			23. NUMBER OF ACRES IN DRILLING UNIT 203	
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 850			26. PROPOSED DEPTH MD: 8603 TVD: 8603	
27. ELEVATION - GROUND LEVEL 4968			28. BOND NUMBER 22013542			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496	
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"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)				<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)				<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Kathy Schneebeck-Dulnoan			TITLE Staff Regulatory Analyst			PHONE 720 929-6007	
SIGNATURE			DATE 04/23/2009			EMAIL Kathy.SchneebeckDulnoan@anadarko.com	
API NUMBER ASSIGNED 43047503660000			APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	8603		
Pipe	Grade	Length	Weight			
	Grade N-80 LT&C	8603	11.6			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2100		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	2100	36.0			

NBU 922-36M3T

Pad: NBU 922-36M (CIGE 221)
538' FSL, 433' FWL (SW/4SW/4)
Sec. 36 T9S R22E

Uintah, Utah
Mineral Lease: ML22650

ONSHORE ORDER NO. 1

DRILLING PROGRAM

**1. – 2. Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 – Surface	
Green River	1,165'	
Birds Nest	1,390'	Water
Mahogany	1,908'	Water
Wasatch	4,200'	Gas
Mesaverde	6,476'	Gas
MVU2	7,408'	Gas
MVL1	7,990'	Gas
TD	8,603'	

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 8,603' TD, approximately equals 5,092 psi (calculated at 0.57 psi/foot).

Maximum anticipated surface pressure equals approximately 3,199 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

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

9. Variations:

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.



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

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2100	36.00	J-55	LTC	3,520	2,020	453,000
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 8603	11.60	I-80	LTC	2.36	1.22	2.45

- *Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.66
- 1) Max Anticipated Surf. Press.(MASP) (Surf Csg) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac grad x TVD of next csg point))
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,199 psi
 - 3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,092 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	380	0%	15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE Option 2	LEAD	1,600'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOc	180	35%	11.00	3.82
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,693'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	360	40%	11.00	3.38
	TAIL	4,910'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1200	40%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

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

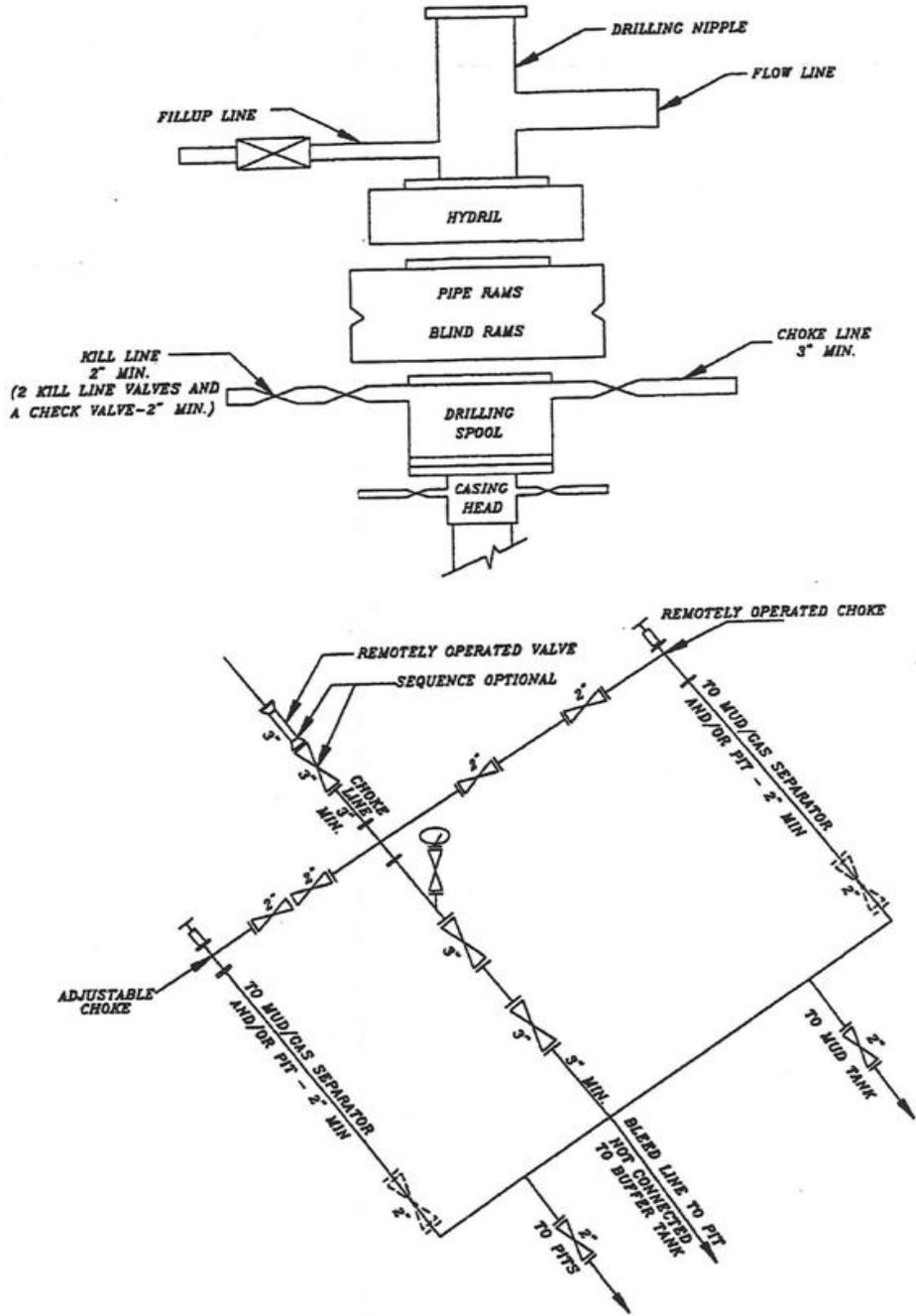
ADDITIONAL INFORMATION

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

DRILLING ENGINEER: _____ DATE: _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ DATE: _____
John Merkel / Lovel Young

EXHIBIT A NBU 922-36M3T



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

WELL PAD INTERFERENCE PLAT

DIRECTIONAL PAD - CIGE 221



SURFACE POSITION FOOTAGES:

NBU 922-36M3T
538' FSL & 433' FWL

NBU 922-36L3DS
539' FSL & 393' FWL

NBU 922-36L4BS
539' FSL & 413' FWL

NBU 922-36N4BS
538' FSL & 453' FWL

CIGE 221 (Existing Well Head)
548' FSL & 513' FWL

BASIS OF BEARINGS IS THE SOUTH LINE OF THE SW 1/4 OF SECTION 36, T9S, R22E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR S89°57'57"E.

BOTTOM HOLE FOOTAGES:

NBU 922-36L3DS
1380' FSL & 385' FWL

NBU 922-36L4BS
1925' FSL & 930' FWL

NBU 922-36N4BS
510' FSL & 2095' FWL

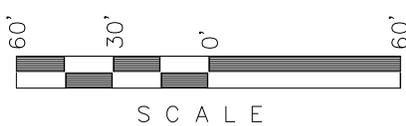
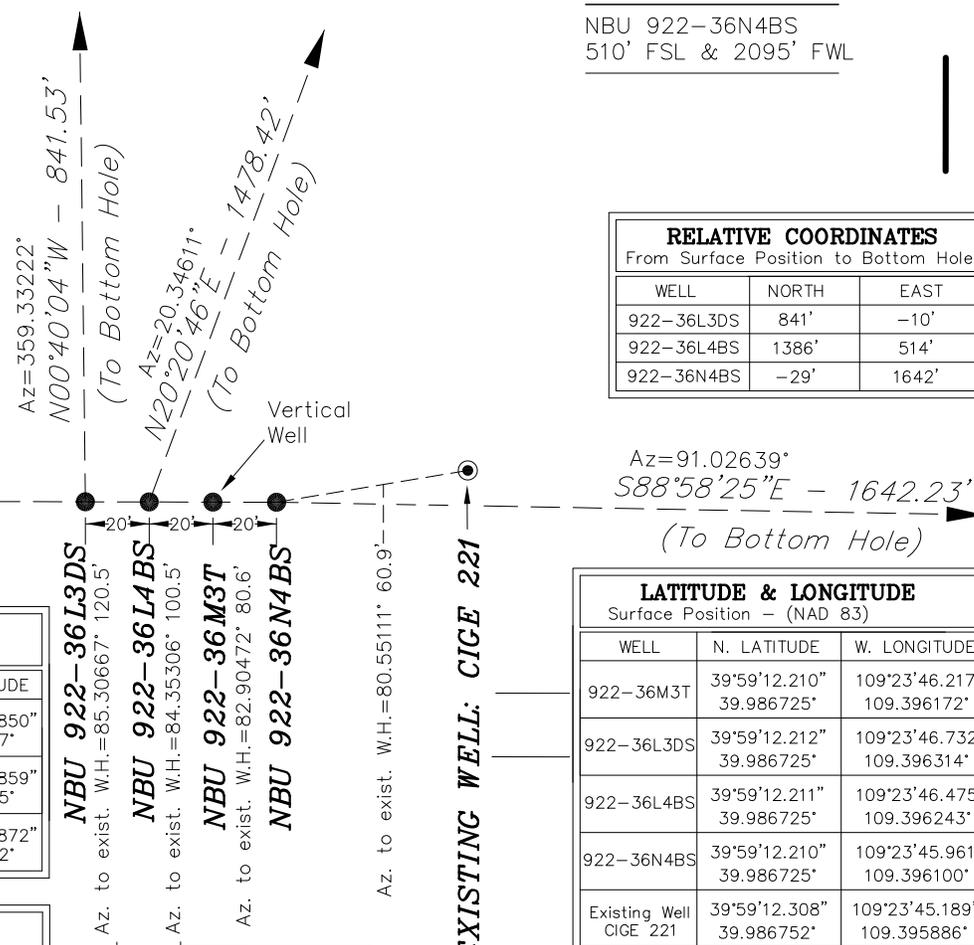
RELATIVE COORDINATES		
From Surface Position to Bottom Hole		
WELL	NORTH	EAST
922-36L3DS	841'	-10'
922-36L4BS	1386'	514'
922-36N4BS	-29'	1642'

LATITUDE & LONGITUDE		
Surface Position - (NAD 83)		
WELL	N. LATITUDE	W. LONGITUDE
922-36M3T	39°59'12.210" 39.986725°	109°23'46.217" 109.396172°
922-36L3DS	39°59'12.212" 39.986725°	109°23'46.732" 109.396314°
922-36L4BS	39°59'12.211" 39.986725°	109°23'46.475" 109.396243°
922-36N4BS	39°59'12.210" 39.986725°	109°23'45.961" 109.396100°
Existing Well CIGE 221	39°59'12.308" 39.986752°	109°23'45.189" 109.395886°

LATITUDE & LONGITUDE		
Surface Position - (NAD 27)		
WELL	N. LATITUDE	W. LONGITUDE
922-36M3T	39°59'12.334" 39.986760°	109°23'43.765" 109.395490°
922-36L3DS	39°59'12.336" 39.986760°	109°23'44.280" 109.395633°
922-36L4BS	39°59'12.335" 39.986760°	109°23'44.022" 109.395562°
922-36N4BS	39°59'12.334" 39.986759°	109°23'43.509" 109.395419°
Existing Well CIGE 221	39°59'12.432" 39.986787°	109°23'42.737" 109.395205°

LATITUDE & LONGITUDE		
Bottom Hole - (NAD 83)		
WELL	N. LATITUDE	W. LONGITUDE
922-36L3DS	39°59'20.525" 39.989035°	109°23'46.850" 109.396347°
922-36L4BS	39°59'25.902" 39.990528°	109°23'39.859" 109.394405°
922-36N4BS	39°59'11.906" 39.986641°	109°23'24.872" 109.390242°

LATITUDE & LONGITUDE		
Bottom Hole - (NAD 27)		
WELL	N. LATITUDE	W. LONGITUDE
922-36L3DS	39°59'20.649" 39.989069°	109°23'44.397" 109.395666°
922-36L4BS	39°59'26.027" 39.990563°	109°23'37.406" 109.393724°
922-36N4BS	39°59'12.030" 39.986675°	109°23'22.421" 109.389561°



Kerr-McGee
Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

NBU 922-36M3T, NBU 922-36L3DS,
 NBU 922-36L4BS & NBU 922-36N4BS
 LOCATED IN SECTION 36, T9S, R22E,
 S.L.B.&M. UINTAH COUNTY, UTAH.

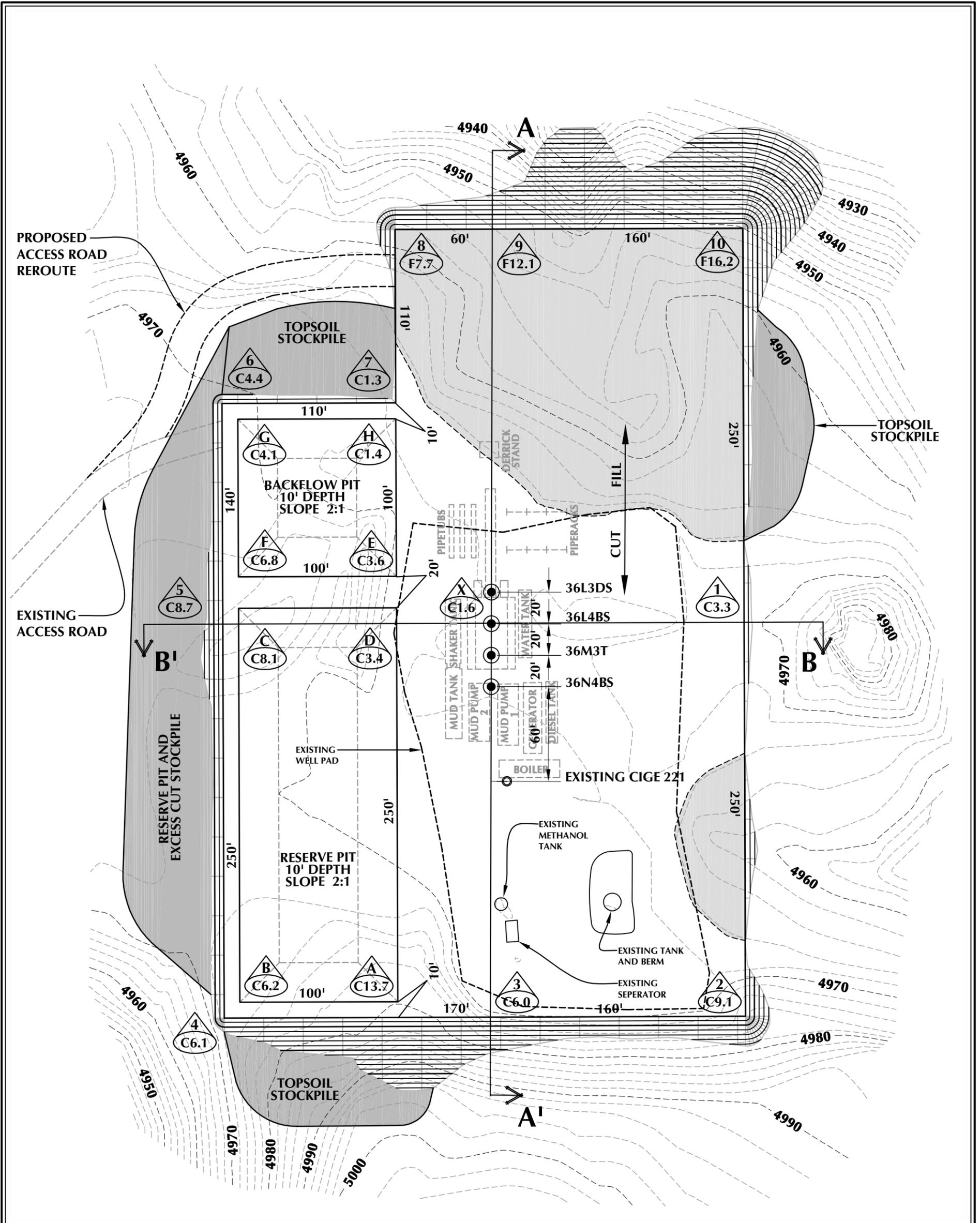


CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

DATE SURVEYED: 09-16-08	SURVEYED BY: M.S.B.
DATE DRAWN: 10-03-08	DRAWN BY: E.M.S.
	REVISED: 1-28-09

Timberline
 Engineering & Land Surveying, Inc.
 (435) 789-1365
 209 NORTH 300 WEST VERNAL, UTAH 84078

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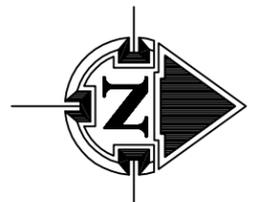
WELL PAD NBU CIGE 221 QUANTITIES

EXISTING GRADE @ CENTER OF PAD = 4,967.8'
 FINISHED GRADE ELEVATION = 4,966.2'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 15,149 C.Y.
 TOTAL FILL FOR WELL PAD = 14,648 C.Y.
 TOPSOIL @ 6" DEPTH = 2,345 C.Y.
 EXCESS MATERIAL = 501 C.Y.
 TOTAL DISTURBANCE = 4.07 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00
 RESERVE PIT CAPACITY (2' OF FREEBOARD)
 +/- 25,880 BARRELS
 RESERVE PIT VOLUME
 +/- 7,185 CY
 BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
 +/- 8,780 BARRELS
 BACKFLOW PIT VOLUME
 +/- 2,520 CY

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)



HORIZONTAL 0 30 60 1" = 60'
 2' CONTOURS

KERR-MCGEE OIL & GAS
ONSHORE L.P.
 1099 18th Street - Denver, Colorado 80202

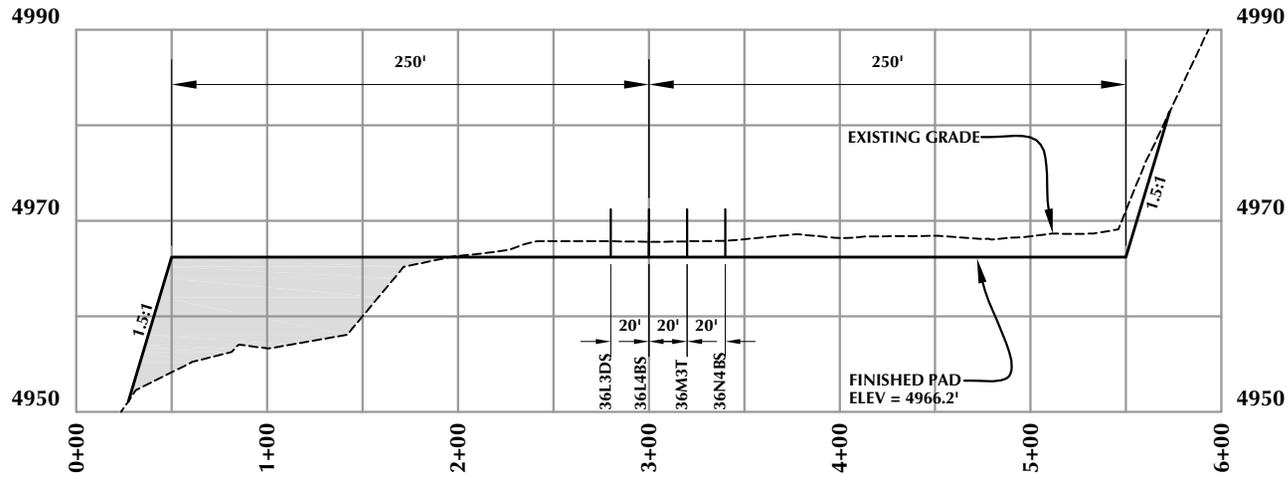


609 CONSULTING, LLC
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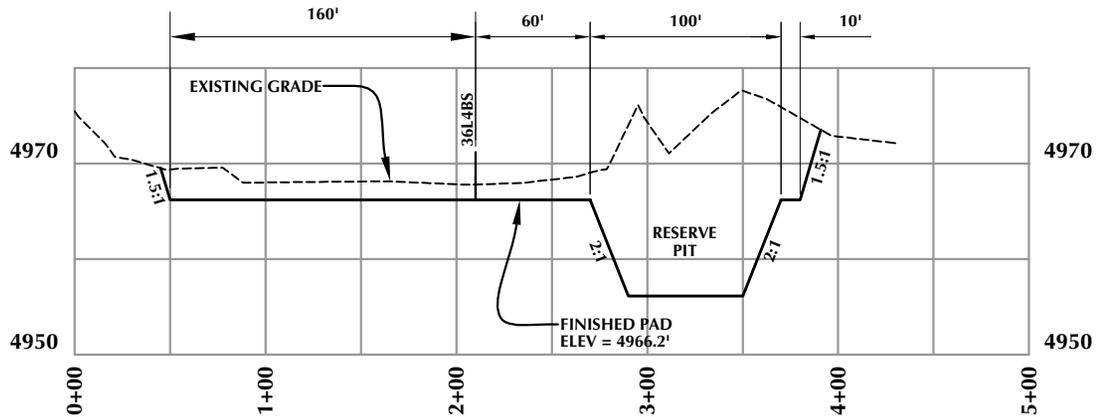
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WELL PAD - LOCATION LAYOUT
 NBU 922-36M3T, NBU 922-36L3DS,
 NBU 922-36L4BS, NBU 922-36N4BS
 LOCATED IN SECTION 36, T.9S., R.22E.
 S.L.B.&M., UTAH COUNTY, UTAH

Timberline (435) 789-1365
 Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTE: CROSS SECTION B-B' DEPICTS
MAXIMUM RESERVE PIT DEPTH.

**KERR-MCGEE OIL & GAS
ONSHORE L.P.**

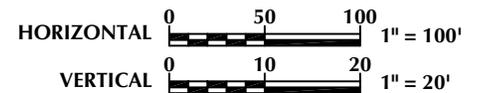
1099 18th Street - Denver, Colorado 80202

**WELL PAD - CROSS SECTIONS
NBU 922-36M3T, NBU 922-36L3DS,
NBU 922-36L4BS, NBU 922-36N4BS
LOCATED IN SECTION 36, T.9S., R.22E.
S.L.B.&M., UINTAH COUNTY, UTAH**



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

Scale: 1"=100'	Date: 1/29/09	SHEET NO:
REVISID:	BY DATE	7 7 OF 13



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38 WEST 100 NORTH VERNAL, UTAH 84078

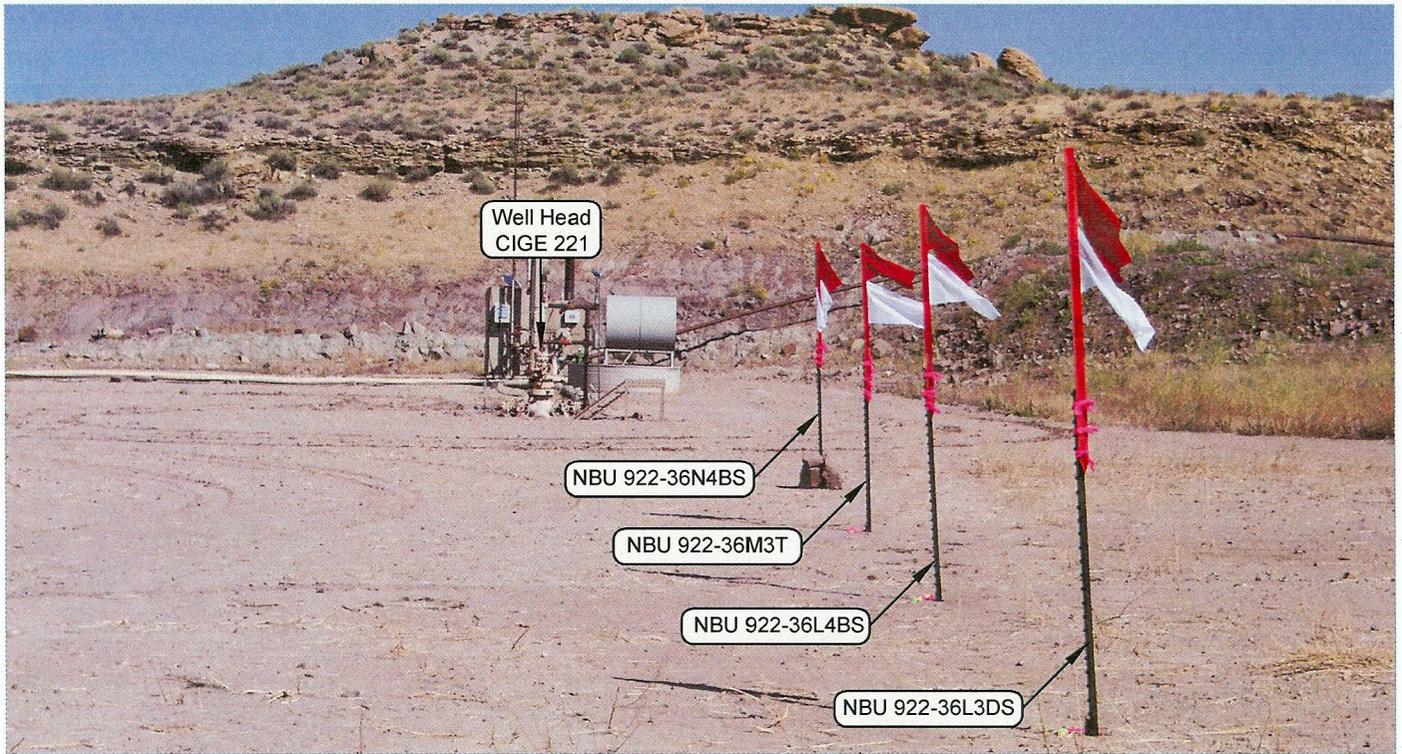


PHOTO VIEW: FROM LOCATION STAKES TO EXISTING WELL HEAD

CAMERA ANGLE: EASTERLY

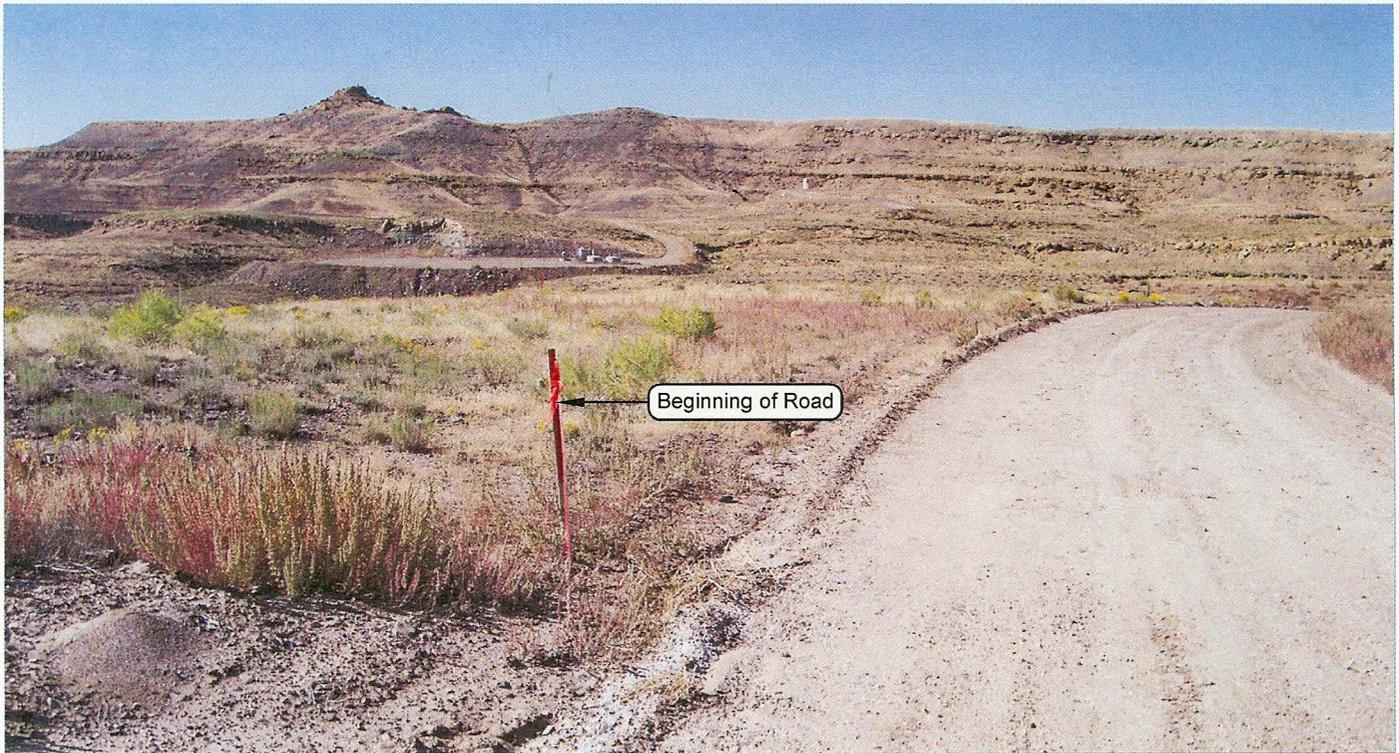
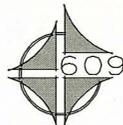


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHWESTERLY

Kerr-McGee
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 371 Coffeen Avenue
 Sheridan WY 82801
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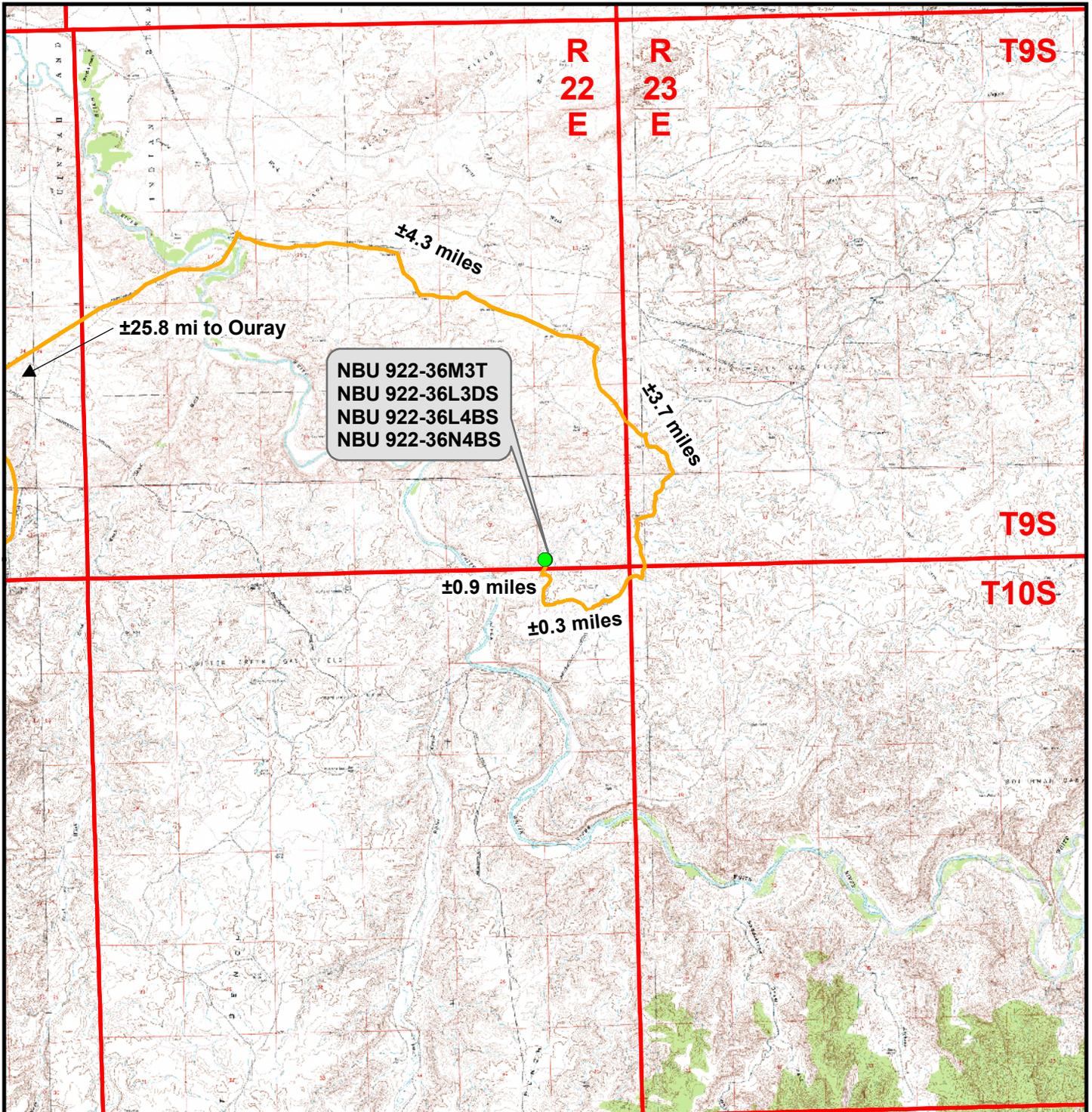
LOCATION PHOTOS

TAKEN BY: M.S.B.		DATE TAKEN: 09-16-08
DRAWN BY: E.M.S.		DATE DRAWN: 10-03-08
REVISED: 01-28-09		

Timberline (435) 789-1365
 Engineering & Land Surveying, Inc.
 209 NORTH 300 WEST VERNAL, UTAH 84078

SHEET
8
OF 13

NBU 922-36M3T, NBU 922-36L3DS,
 NBU 922-36L4BS & NBU 922-36N4BS
 LOCATED IN SECTION 36, T9S, R22E,
 S.L.B.&M. UINTAH COUNTY, UTAH.



Legend

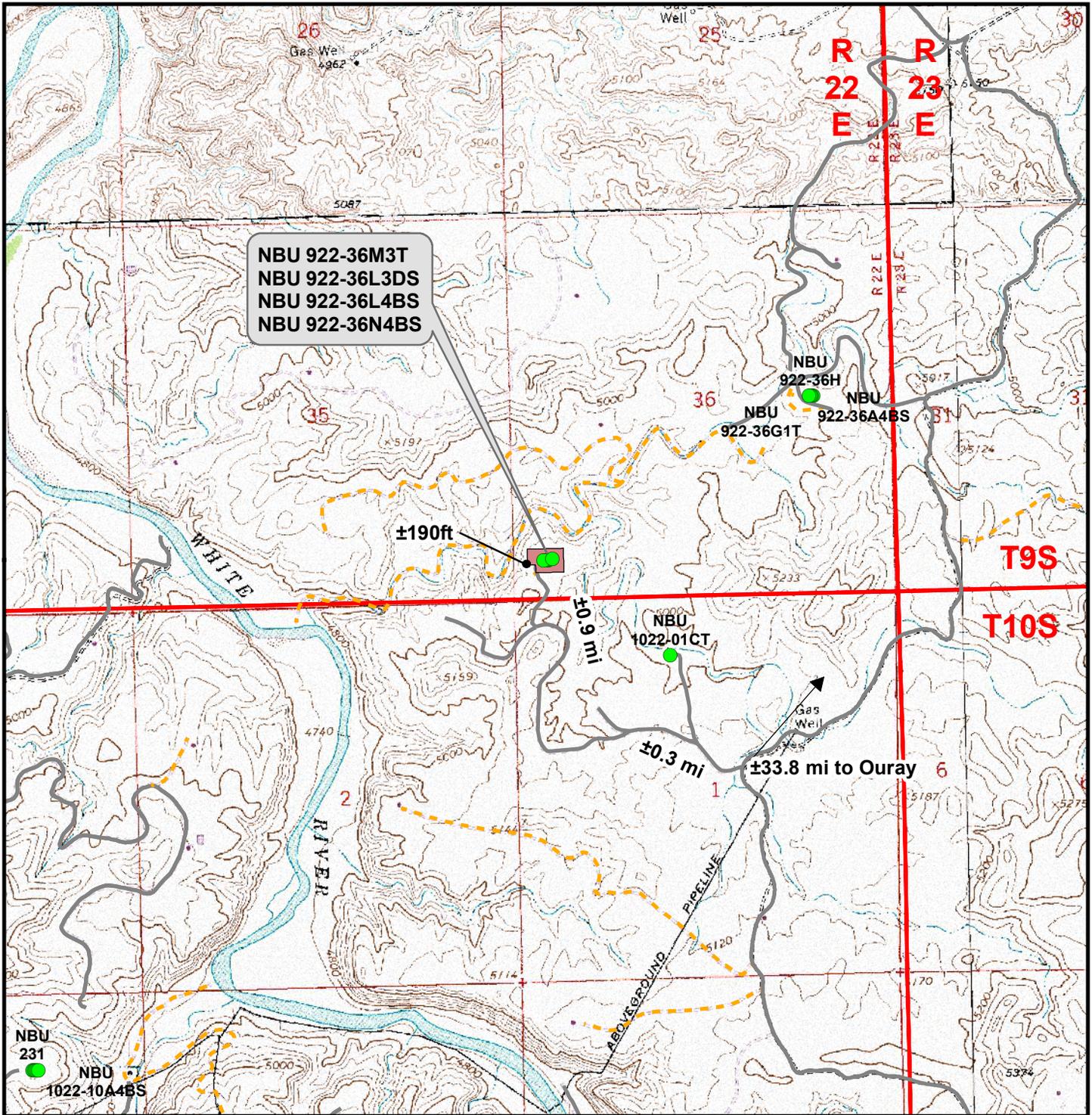
- Proposed Well Location
- Access Route - Proposed

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

**NBU 922-36M3T, NBU 922-36L3DS,
 NBU 922-36L4BS & NBU 922-36N4BS**
Topo A
Located In Section 36, T9S, R22E
S.L.B.&M., Uintah County, Utah



Scale: 1:100,000	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 28 Jan 2009	9
Revised:	Date:	



Legend

- Well - Proposed
- Well Pad
- Road - Proposed
- Road - Existing

Total Proposed Road Length: ±190ft

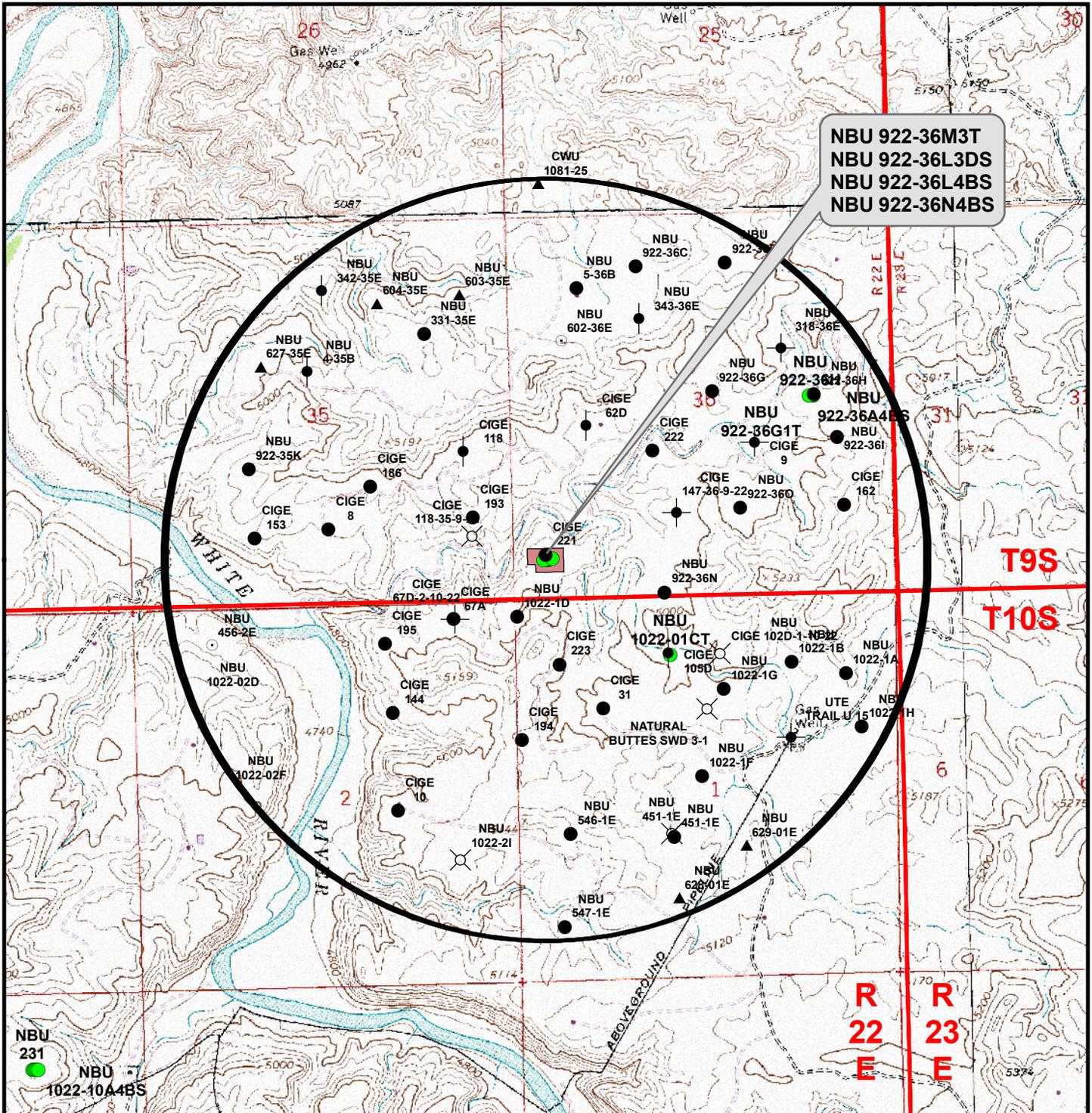
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

**NBU 922-36M3T, NBU 922-36L3DS,
 NBU 922-36L4BS & NBU 922-36N4BS**
 Topo B
 Located In Section 36, T9S, R22E
 S.L.B.&M., Uintah County, Utah

609
 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 28 Jan 2009	10
Revised:	Date:	



NBU 922-36M3T
 NBU 922-36L3DS
 NBU 922-36L4BS
 NBU 922-36N4BS

Legend

- Well - Proposed
- Well - 1 Mile Radius
- Producing
- ⊗ Location Abandoned
- Shut-In
- Well Pad
- ▲ Approved permit (APD); not yet spudded
- ⊖ Temporarily-Abandoned
- Spudded (Drilling commenced: Not yet complete)
- Plugged and Abandoned

Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

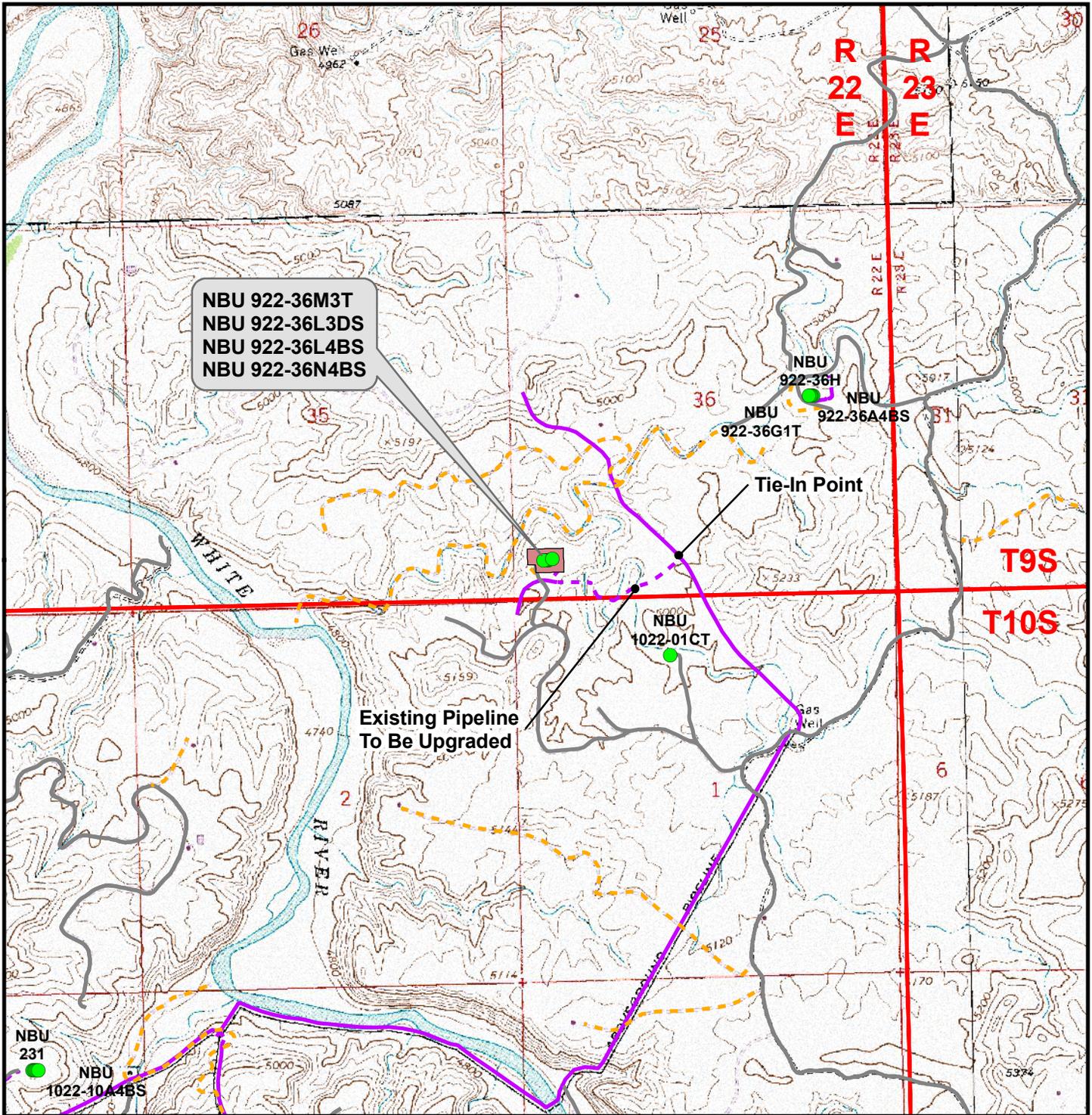
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

**NBU 922-36M3T, NBU 922-36L3DS,
 NBU 922-36L4BS & NBU 922-36N4BS
 Topo C
 Located In Section 36, T9S, R22E
 S.L.B.&M., Uintah County, Utah**

609
 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:	
Drawn: JELO	Date: 28 Jan 2009	11	11 of 13
Revised:	Date:		



NBU 922-36M3T
 NBU 922-36L3DS
 NBU 922-36L4BS
 NBU 922-36N4BS

NBU 922-36H
 NBU 922-36G1T
 NBU 922-36A4BS

Tie-In Point

Existing Pipeline To Be Upgraded

T9S
 T10S

NBU 231
 NBU 1022-10A4BS

Legend

- Well - Proposed
- Well Pad
- Road - Proposed
- Pipeline - Proposed
- Road - Existing
- Pipeline - Existing

Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±2,110ft
 Proposed Pipeline Length Around Pad: ±660ft

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

**NBU 922-36M3T, NBU 922-36L3DS,
 NBU 922-36L4BS & NBU 922-36N4BS
 Topo D**

**Located In Section 36, T9S, R22E
 S.L.B.&M., Uintah County, Utah**

609
 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 28 Jan 2009	12
Revised:	Date:	

Kerr-McGee Oil & Gas Onshore, LP
NBU 922-36M3T, NBU 922-36L3DS, NBU 922-36L4BS & NBU 922-36N4BS
Section 36, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 11.2 MILES TO THE INTERSECTION OF THE GLEN BENCH ROAD (COUNTY B ROAD 3260). EXIT LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION ALONG THE GLEN BENCH ROAD APPROXIMATELY 14.6 MILES TO THE INTERSECTION OF THE CHAPETA WELLS ROAD (COUNTY B ROAD 3410) WHICH ROAD INTERSECTION IS APPROXIMATELY 400 FEET NORTHEAST OF THE MOUNTAIN FUEL BRIDGE, AT THE WHITE RIVER. EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 4.3 MILES ALONG THE CHAPETA WELLS ROAD TO THE INTERSECTION OF THE ATCHEE WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION ALONG THE ATCHEE WASH ROAD APPROXIMATELY 3.7 MILES TO AN EXISTING SERVICE ROAD TO THE SOUTHWEST. EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY, THEN WESTERLY DIRECTION ALONG THE SERVICE ROAD APPROXIMATELY 0.3 MILES TO A SECOND SERVICE ROAD TO THE WEST. EXIT LEFT AND PROCEED IN A WESTERLY THEN NORTHERLY DIRECTION ALONG THE SECOND SERVICE ROAD APPROXIMATELY 0.9 MILES TO THE EXISTING WELL PAD.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 65.7 MILES IN A SOUTHERLY DIRECTION.

Kerr-McGee Oil & Gas Onshore LP

NBU 922-36L3DS

Surface: 539' FSL, 393' FWL (SW/4SW/4)
BHL: 1,380' FSL 385' FWL (SW/4SW/4)

NBU 922-36L4BS

Surface: 539' FSL, 413' FWL (SW/4SW/4)
BHL: 1,925' FSL 930' FWL (NW/4SW/4)

NBU 922-36M3T

Surface: 538' FSL, 433' FWL (SW/4SW/4)

NBU 922-36N4BS

Surface: 538' FSL, 453' FWL (SW/4SW/4)
BHL: 510' FSL 2,095' FWL (SE/4SW/4)

Section 36 Township 9 South Range 22 East

Pad: NBU 922-36M (CIGE 221)

Uintah, Utah

Surface: State

Minerals: State – ML22650

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

Directional Drilling:

In accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, this well will be directionally drilled in order to access portions of our lease which are otherwise inaccessible due to topography.

1. Existing Roads:

Refer to Topo Map A for directions to the location.

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

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

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

2. Planned Access Roads:

Approximately ± 0.04 mi. ($\pm 190'$) of new access road is proposed. Please refer to the attached Topo Map B.

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

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

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

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

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

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

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

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

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

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Shadow Gray, a non-reflective earthtone.

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

5. Location and Type of Water Supply:

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

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

No water well is to be drilled on this lease.

6. Source of Construction Materials:

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

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

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

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

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

A plastic reinforced liner and felt will be used; it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit. Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

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

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

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

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

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

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI in Sec. 5 T9S R22E, NBU #159 in Sec. 35 T9S R21E, Ace Oilfield in Sec. 2 T6S R20E, MC&MC in Sec. 12 T6S R19E, Pipeline Facility in Sec. 36 T9S R20E, Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E, Bonanza Evaporation Pond in Sec. 2 T10S R23E.

8. Ancillary Facilities:

None are anticipated.

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

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

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

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

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

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

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

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

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

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

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

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

10. Plans for Reclamation of the Surface:

Producing Location:

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

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

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

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

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

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

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

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

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

Kerr-McGee Oil & Gas Onshore LP
NBU 922-36L3DS/ 36L4BS/ 36N4BS/ 36M3T

Page 6
Surface Use and Operations Plan

11. Surface/Mineral Ownership:

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

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey report and paleontological survey report is attached.

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

Kathy Schneebeck Dulnoan
Staff Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6226

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

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

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

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

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond 22013542.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; 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 in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Kathy Schneebeck Dulnoan
Kathy Schneebeck Dulnoan

April 8, 2009
Date

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 1, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2009 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 2009 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-047-50362	NBU 921-26D1CS	Sec 26 T09S R21E 0836 FNL 1648 FWL
	BHL	Sec 26 T09S R21E 0600 FNL 0980 FWL
43-047-50363	NBU 921-26D1BS	Sec 26 T09S R21E 0820 FNL 1661 FWL
	BHL	Sec 26 T09S R21E 0110 FNL 0980 FWL
43-047-50364	NBU 921-26B3S	Sec 26 T09S R21E 0804 FNL 1673 FWL
	BHL	Sec 26 T09S R21E 0950 FNL 2360 FEL
43-047-50365	NBU 921-26B2S	Sec 26 T09S R21E 0788 FNL 1685 FWL
	BHL	Sec 26 T09S R21E 0460 FNL 2360 FEL
43-047-50366	NBU 922-36M3T	Sec 36 T09S R22E 0538 FSL 0433 FWL
43-047-50367	NBU 922-36N4BS	Sec 36 T09S R22E 0538 FSL 0453 FWL
	BHL	Sec 36 T09S R22E 0510 FSL 2095 FWL
43-047-50368	NBU 922-36L4BS	Sec 36 T09S R22E 0539 FSL 0413 FWL
	BHL	Sec 36 T09S R22E 1925 FSL 0930 FWL
43-047-50369	NBU 922-36L3DS	Sec 36 T09S R22E 0539 FSL 0393 FWL
	BHL	Sec 36 T09S R22E 1380 FSL 0385 FWL

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:5-1-09

From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 5/18/2009 4:11 PM
Subject: Kerr McGee well approvals.

CC: Garrison, LaVonne
The following wells have been approved by SITLA including arch and paleo clearance.
Kerr-McGee's NBU 922-36M3T [API #4304750366]
Kerr-McGee's NBU 922-36N4BS [API #4304750367]
Kerr-McGee's NBU 922-36L4BS [API #4304750368]
Kerr-McGee's NBU 922-36L3DS [API #4304750369]
-Jim

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

Well Name	KERR-MCGEE OIL & GAS ONSHORE, L.P. NBU 922-36M3T 43047503660		
String	Surf	Prod	
Casing Size(")	9.625	4.500	
Setting Depth (TVD)	2100	8603	
Previous Shoe Setting Depth (TVD)	40	2100	
Max Mud Weight (ppg)	8.3	11.6	
BOPE Proposed (psi)	500	5000	
Casing Internal Yield (psi)	3520	7780	
Operators Max Anticipated Pressure (psi)	5092	11.4	

Calculations	Surf String	9.625	"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	910	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	658	NO OK
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	448	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	457	NO Reasonable depth in area
Required Casing/BOPE Test Pressure=		2100	psi
*Max Pressure Allowed @ Previous Casing Shoe=		40	psi *Assumes 1psi/ft frac gradient

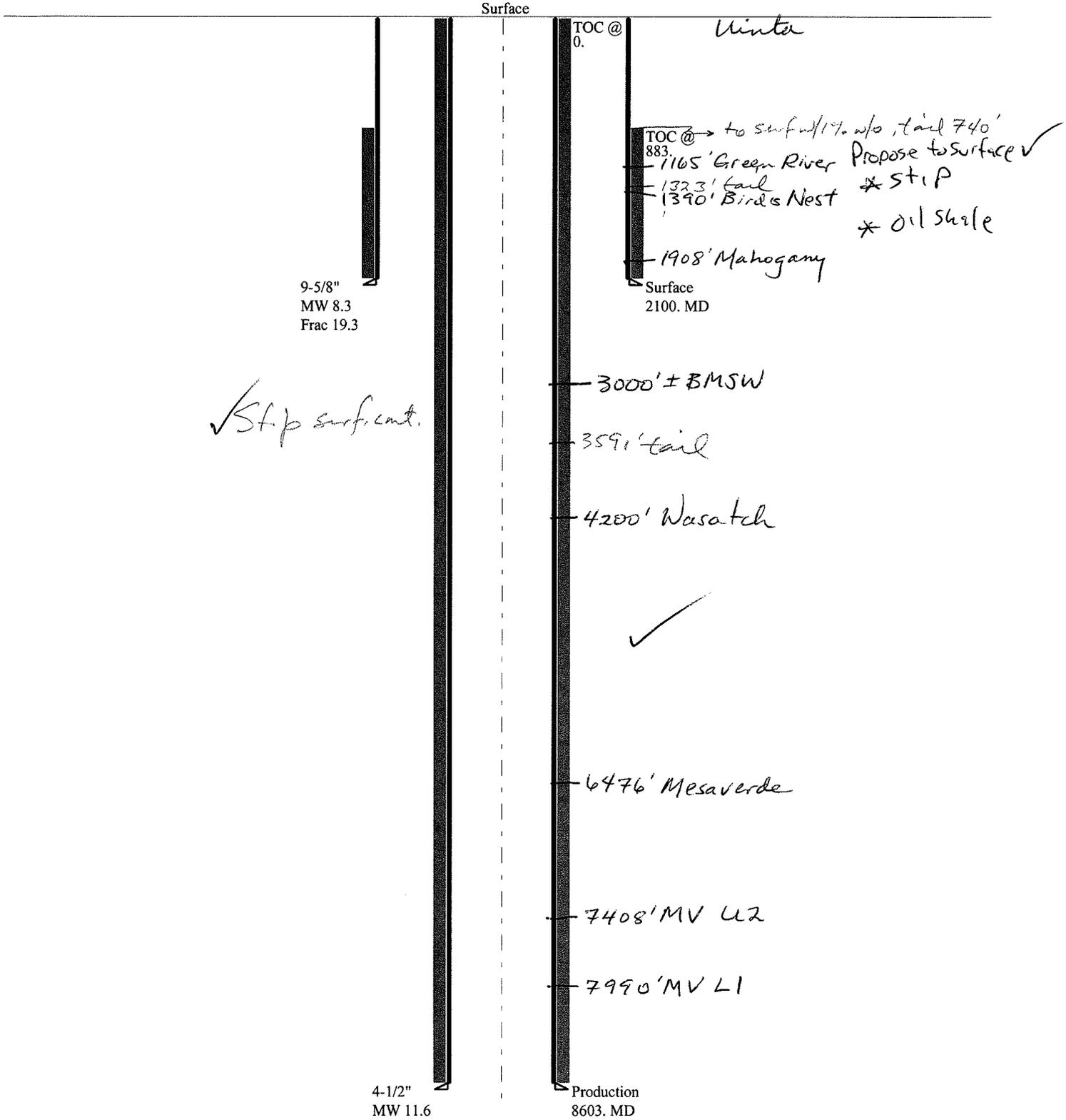
Calculations	Prod String	4.500	"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$	5189	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	4157	YES
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	3296	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	3758	NO Reasonable
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2100	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$		NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	$.052 * \text{Setting Depth} * \text{MW} =$		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$		NO
MASP (Gas/Mud) (psi)	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047503660000 NBU 922-36M3T

Casing Schematic



Well name:	43047503660000 NBU 922-36M3T	
Operator:	KERR-MCGEE OIL & GAS ONSHORE, L.P.	
String type:	Surface	Project ID: 43-047-50366
Location:	UINTAH COUNTY	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 103 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft
Cement top: 883 ft

Burst

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

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 1,841 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,603 ft
Next mud weight: 11.600 ppg
Next setting BHP: 5,184 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,100 ft
Injection pressure: 2,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2100	9.625	36.00	J-55	LT&C	2100	2100	8.796	17172
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	909	2020	2.223	2100	3520	1.68	75.6	453	5.99 J

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

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

Date: June 9, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2100 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:	43047503660000 NBU 922-36M3T		
Operator:	KERR-MCGEE OIL & GAS ONSHORE, L.P.		
String type:	Production	Project ID:	43-047-50366
Location:	UINTAH COUNTY		

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 194 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 3,291 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,184 psi

No backup mud specified.

Tension:

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

Non-directional string.

Tension is based on air weight.
Neutral point: 7,111 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8603	4.5	11.60	N-80	LT&C	8603	8603	3.875	35430
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	5184	6350	1.225	5184	7780	1.50	99.8	223	2.23 J

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

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

Date: June 9, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8603 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 922-36M3T
API Number 43047503660000 **APD No** 1441 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 SWSW **Sec** 36 **Tw** 9.0S **Rng** 22.0E 538 FSL 433 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Floyd Bartlett (DOGM), Ed Bonner (SITLA), Ramie Hoopes, Clay Einerson, Griz Oleen, Tony Kzneck, Charles Chase (Kerr McGee), Ben Williams (UDWR) and Kolby Kay (Timberline Engineering and Land Surveying).

Regional/Local Setting & Topography

The general area is in the southeast portion of the Natural Buttes Unit, which contains the White River and rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 43 air miles to the northwest. Access from Vernal is approximately 65.7 road miles following Utah State, Uintah County and oilfield development roads to the location.

The proposed 4 well pad for the NBU 922-36 M3T, L3DS, L4BS, N4BS which encompasses an existing pad of the CIGE 221 gas well will be significantly enlarged. The existing well probably will be plugged. The surface of the location will be lowered up to 1.6 feet to obtain fill for the enlargement. Enlargement will be in all directions except to the east which is against a rocky hill. Short draws to the west will be filled. A knoll to the north will not be disturbed. A deep canyon parallels the site on the west. It was decided that rounding would occur as needed between Corners 9 and 10 so that fill would not extend beyond any benches in that area. This will make it easier to recover the fill. The topsoil stockpile between Corners 3 and 4 will be moved to the north. The flow-back pit will not be constructed at least at this time. Reserve pit spoils may also be placed in this area. No other drainage concerns exist. The White River is approximately 3/4 mile to the west. The existing pad shows no stability problems and the site has no apparent concerns for constructing an enlarged pad as modified and drilling and operating the planned wells. It is the only suitable location in the immediate area. A new Location Layout is being prepared to reflect the above adjustments.

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use
 Wildlife Habitat
 Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width 320 Length 500	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Area beyond the existing pad is poorly vegetated with greasewood, cheatgrass, black sagebrush, broom snakeweed, globemallow, Sitanion hystrix, shadscale, rabbitbrush, pepper weed, halogeton and annuals.

Sheep, deer, antelope, coyote, and other small mammals and birds.

Soil Type and Characteristics

Shallow rocky sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	45

1 Sensitivity Level

Characteristics / Requirements

The reserve pit is planned in an area of cut in the southeast corner of the location. Dimensions are 100' x 250' x 10' deep with 2' of freeboard. Because the length of time the reserve pit will be used and the roughness of the terrain, Kerr McGee committed to line it with a 30-mil.liner and an appropriate thickness of felt sub-liner to cushion the rock. The second pit shown is not approved with this permit. Kerr McGee was informed they would have to submit a separate application and plan for this pit.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 30 **Pit Underlayment Required?** Y

Other Observations / Comments

On 5/13/2009 the following met and discussed the changes incorporated in the above description. Floyd Bartlett (DOGM), Clay Einerson, Lovell Young (Kerr McGee), and Kolby Kay (Timberline Engineering and Land Surveying).

Floyd Bartlett
Evaluator

4/28/2009
Date / Time

Application for Permit to Drill Statement of Basis

6/17/2009

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
1441	43047503660000	LOCKED	GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.		Surface Owner-APD		
Well Name	NBU 922-36M3T		Unit	NATURAL BUTTES	
Field	NATURAL BUTTES		Type of Work	DRILL	
Location	SWSW 36 9S 22E S 538 FSL 433 FWL		GPS Coord (UTM)	636990E	4427306N

Geologic Statement of Basis

Kerr McGee proposes to set 2,150' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,000'. 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

5/19/2009
Date / Time

Surface Statement of Basis

The general area is in the southeast portion of the Natural Buttes Unit, which contains the White River and rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 43 air miles to the northwest. Access from Vernal is approximately 65.7 road miles following Utah State, Uintah County and oilfield development roads to the location.

The proposed 4 well pad for the NBU 922-36 M3T, L3DS, L4BS, N4BS which encompasses an existing pad of the CIGE 221 gas well will be significantly enlarged. The existing well probably will be plugged. The surface of the location will be lowered up to 1.6 feet to obtain fill for the enlargement. Enlargement will be in all directions except to the east which is against a rocky hill. Short draws to the west will be filled. A knoll to the north will not be disturbed. A deep canyon parallels the site on the west. It was decided that rounding would occur as needed between Corners 9 and 10 so that fill would not extend beyond any benches in that area. This will make it easier to recover the fill. The topsoil stockpile between Corners 3 and 4 will be moved to the north. The flow-back pit will not be constructed at least at this time. Reserve pit spoils may also be placed in this area. No other drainage concerns exist. The White River is approximately ¾ mile to the west. The existing pad shows no stability problems and the site has no apparent concerns for constructing an enlarged pad as modified and drilling and operating the planned wells. It is the only suitable location in the immediate area. A new Location Layout is being prepared to reflect the above adjustments.

Both the surface and minerals are owned by SITLA. Ed Bonner of SITLA attended the pre-site and was agreeable to the modifications. He had no additional concerns regarding the proposal.

Ben Williams of the Utah Division of Wildlife Resources also attended the pre-site. Mr. Williams stated no wildlife values would be significantly affected by drilling and operating the wells at this location. He provided Ed Bonner of SITLA and Ramie Hoopes of Kerr McGee a written wildlife evaluation and a copy of a

Application for Permit to Drill Statement of Basis

6/17/2009

Utah Division of Oil, Gas and Mining

Page 2

recommended seed mix to be used for re-vegetating the disturbed area.

Floyd Bartlett
Onsite Evaluator

4/28/2009
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 30 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 4/23/2009

API NO. ASSIGNED: 43047503660000

WELL NAME: NBU 922-36M3T

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

PHONE NUMBER: 720 929-6007

CONTACT: Kathy Schneebeck-Dulnoan

PROPOSED LOCATION: SWSW 36 090S 220E

Permit Tech Review:

SURFACE: 0538 FSL 0433 FWL

Engineering Review:

BOTTOM: 0538 FSL 0433 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.98672

LONGITUDE: -109.39553

UTM SURF EASTINGS: 636990.00

NORTHINGS: 4427306.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 3 - State

LEASE NUMBER: ML 22650

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - 22013542
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Permit #43-8496
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
Unit: NATURAL BUTTES
 - R649-3-2. General
 - R649-3-3. Exception
 - Drilling Unit
Board Cause No: Cause 173-14
Effective Date: 12/2/1999
Siting: 460' fr u bdry & uncomm. tract
 - R649-3-11. Directional Drill
-

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
17 - Oil Shale 190-5(b) - dmason
25 - Surface Casing - hmacdonald



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

Permit To Drill

Well Name: NBU 922-36M3T
API Well Number: 43047503660000
Lease Number: ML 22650
Surface Owner: STATE
Approval Date: 6/24/2009

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14 . The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

Commingling:

In accordance with Board Cause No. 173-14, completion into and commingling of production from the Wasatch and Mesaverde formations is allowed.

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.

Conditions of Approval:

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

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

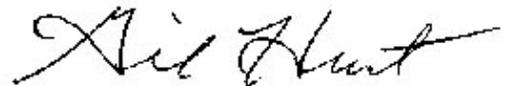
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- 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

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.

Approved By:



Gil Hunt
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
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 922-36M3T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047503660000
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: 0538 FSL 0433 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 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: 8/7/2009	<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: <input type="text" value="Change pad layout"/>

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

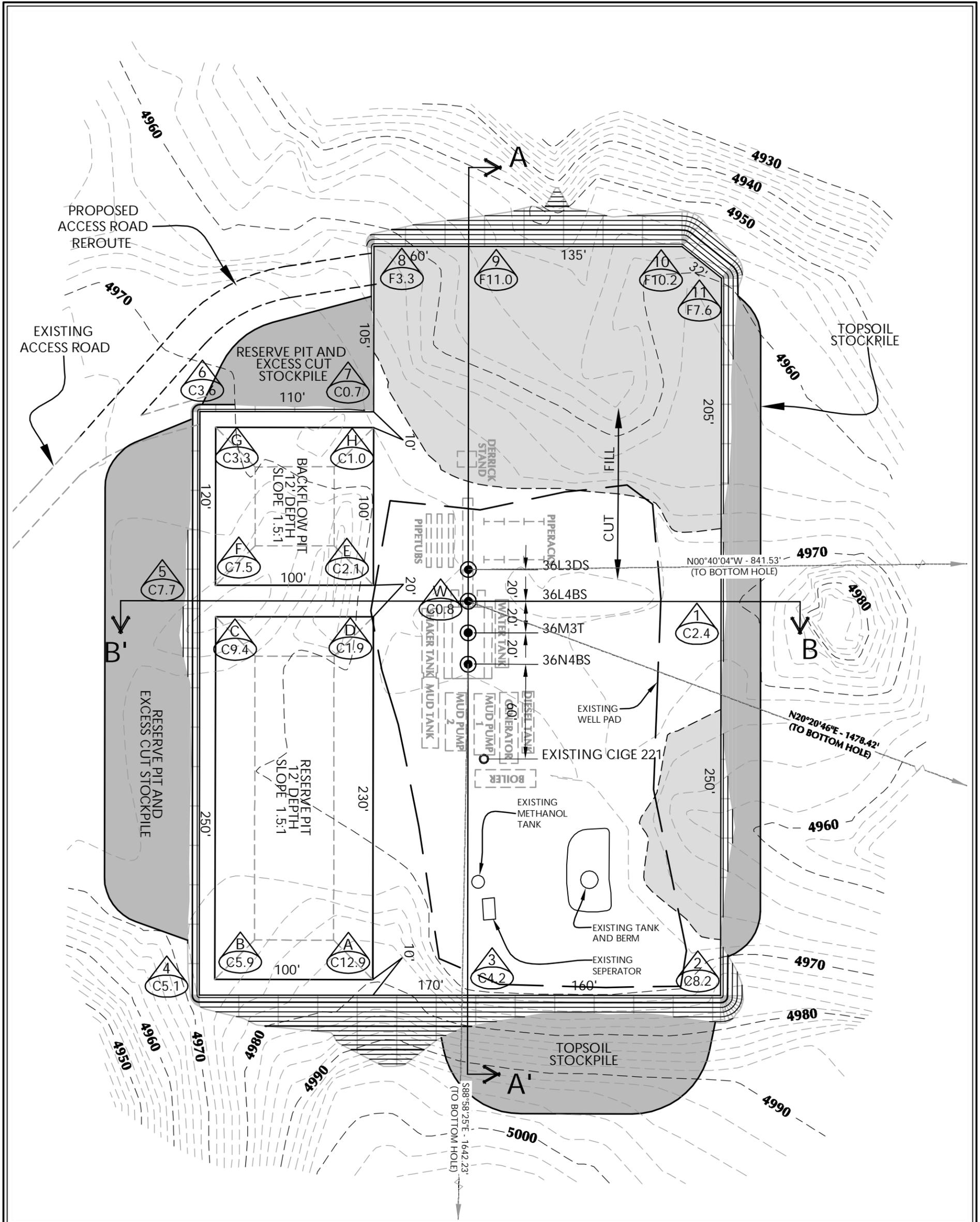
Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests a change to the pad layout and cut and fill for this pad, per the on-site meeting with UDOGM personnel. The pad was shortened and a corner rounded to avoid a nearby drainage ditch. Please see the attached revised pad layout and cut and fill diagrams for detailed information. All other information as originally submitted in the APD remains the same. Please contact the undersigned for additional information and/or questions. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 06, 2009

By:

NAME (PLEASE PRINT) Kathy Schneebeck-Dulnoan	PHONE NUMBER 720 929-6007	TITLE Staff Regulatory Analyst
SIGNATURE N/A	DATE 8/5/2009	



KERR-MCGEE OIL & GAS
ONSHORE L.P.
1099 18th Street - Denver, Colorado 80202



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD - LOCATION LAYOUT
NBU 922-36M3T, NBU 922-36L3DS,
NBU 922-36L4BS, NBU 922-36N4BS
LOCATED IN SECTION 36, T.9S., R.22E.
S.L.B.&M., UTAH COUNTY, UTAH

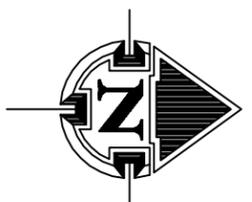
Scale: 1"=60'	Date: 1/29/09	SHEET NO:
REVISED:	BJV 8/4/09	6 6 OF 13

WELL PAD CIGE 221 QUANTITIES
EXISTING GRADE @ CENTER OF PAD = 4,967.8'
FINISHED GRADE ELEVATION = 4,967.0'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 11,484 C.Y.
TOTAL FILL FOR WELL PAD = 10,757 C.Y.
TOPSOIL @ 6" DEPTH = 2,066 C.Y.
EXCESS MATERIAL = 727 C.Y.
TOTAL DISTURBANCE = 3.72 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 29,950 BARRELS
RESERVE PIT VOLUME
+/- 7,780 CY
BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
+/- 11,260 BARRELS
BACKFLOW PIT VOLUME
+/- 3,040 CY

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)



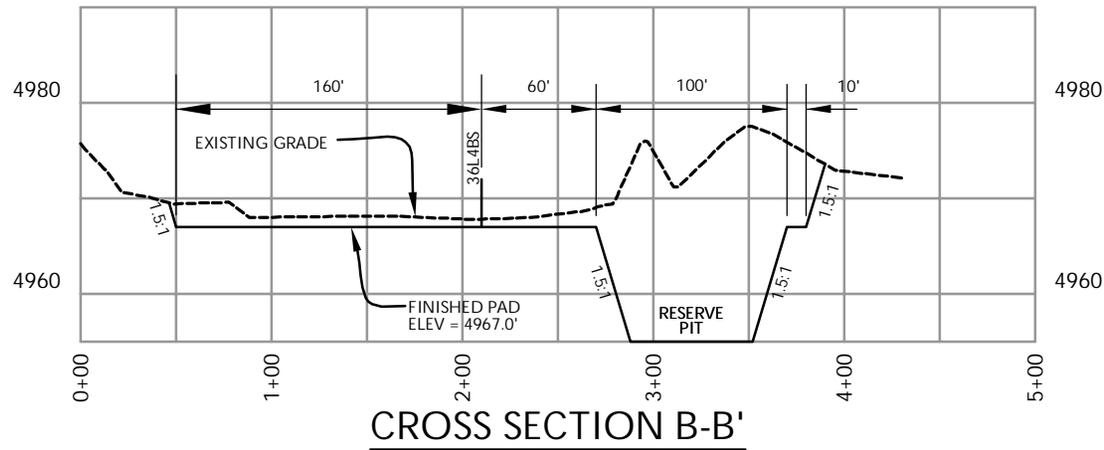
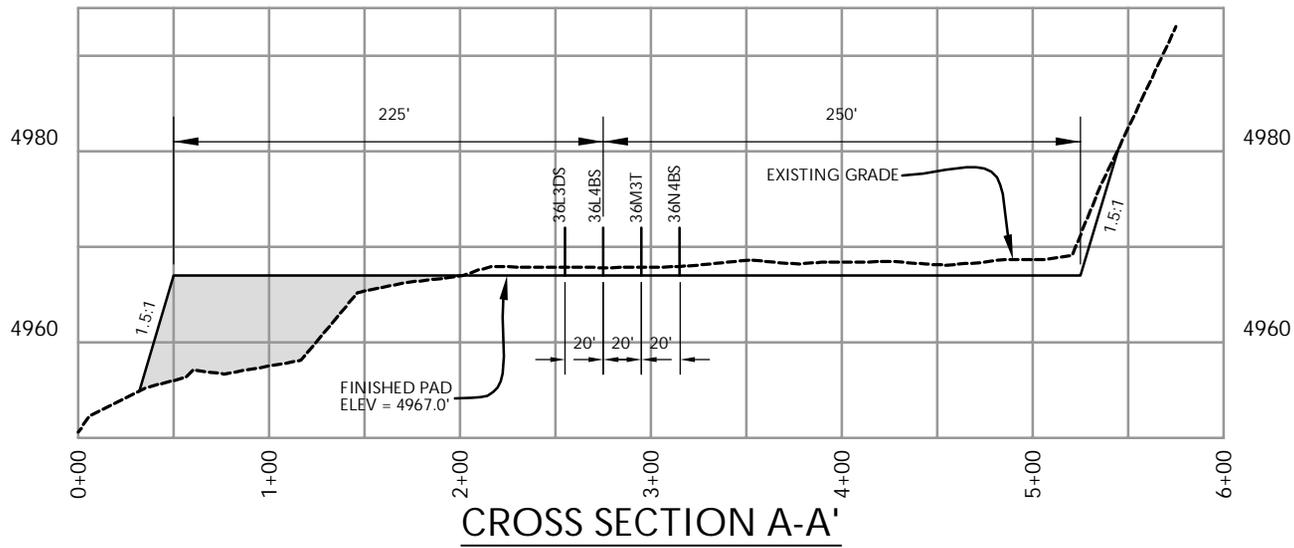
HORIZONTAL 0 30 60 1" = 60'
2' CONTOURS

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

RECEIVED August 05, 2009

K:\MADARKO\2008\NBU_Directional_Wells\DWGS\NBU_DIRECTIONAL_NAN_FEB_2009_CESI.dwg, 8/18/2009 12:42:28 PM, PDF-XChange for AutoPlot Pro

K:\MADARKO\2008_27_NBU_Directional_Wells\DWGS\NBU_DIRECTIONAL_JAN_FEB_2009_CESI.dwg, 5/13/2009 10:05:06 AM, PDF-XChange for Acrobat Pro

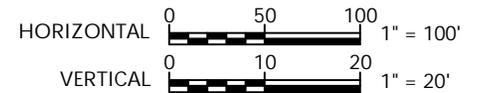


Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD - CROSS SECTIONS
NBU 922-36M3T, NBU 922-36L3DS,
NBU 922-36L4BS, NBU 922-36N4BS
LOCATED IN SECTION 36, T.9S., R.22E.
S.L.B.&M., Uintah County, Utah



Scale: 1"=100'	Date: 1/29/09	SHEET NO:
REVISED:	RAW 5/6/09	7 7 OF 13

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

RECEIVED August 05, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0538 FSL 0433 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/26/2009	<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
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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 08/26/2009 AT 13:00 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 27, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 8/27/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
	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 922-36M3T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047503660000
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: 0538 FSL 0433 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/6/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

MIRU PROPETRO AIR RIG ON 09/04/2009. DRILLED 12 1/4" SURFACE HOLE TO 2150'. RAN 9 5/8" 36# J-55 SURFACE CSG. PMP 350 SX PREM CLASS @15.8 PPG 1.15 YIELD. FLOAT HELD. TAILED CMT W/275 SX PREM CLASS @15.8 PPG 1.15 YIELD. WORT.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 September 14, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/10/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0538 FSL 0433 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 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: 9/14/2009	<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
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Frac Factory Pit Refurb"/>

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

Kerr-McGee Oil & Gas Onshore, LP is requesting to refurb the existing pit on this pad for completion operations. The refurb pit will be relined per the requirements in the COA of the APD. Upon completion of the wells on this pad KMG is also requesting to utilize this pit as a staging pit to be utilized for other completion operations in the area. There will be 2 - 400 bbl upright skim tanks placed on location. The trucks will unload water into these tanks before the water is placed into the refurbished pit. The purpose of the skim tanks is to collect any hydro-carbons that may have been associated with the other completion operations before releasing into the pit. We plan to keep this pit open for 1 year. During this time the attached well location completion fluids will be recycled in this pit and utilized for other frac jobs in the area.

Approved by the Utah Division of Oil, Gas and Mining

Date: September 22, 2009

By:

NAME (PLEASE PRINT) Raleen White	PHONE NUMBER 720 929-6666	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 9/14/2009	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

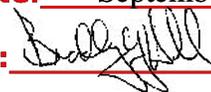
Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047503660000

A synthetic liner with a minimum thickness of 30 mils shall be properly installed and maintained in the pit.

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

Date: September 22, 2009

By: 

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
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<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/14/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

FINISHED DRILLING FROM 2150' TO 8685' ON 10/12/2009. RAN 4-1/2" 11.6 # I-80 PRODUCTION CSG. PUMP 40 BBLS WATER. LEAD CMT W/515 SX CLASS PREM LITE @ 12.3 PPG, 2.12 YIELD. TAILED CMT W/1100 SX CLASS 50/50 POZ MIX @ 14.3 PPG, 1.31 YIELD. DISPLACE W/134.2 BBLS WATER @ 8.4#, BUMP PLUG W/3240 PSI, 630 PSI OVER CIRC PRESS OF 2610 PSI. CHECK FLOATS, OK, 25 BBLS CMT BACK TO PIT. NIPPLE DOWN BOPE, CLEAN MUD TANKS. RELEASE ENSIGN 145 RIG ON 10/14/2009 AT 06:00 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 14, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 10/14/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
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<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/29/2010	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

The subject well was placed on production on 1/29/2010 at 1:00 P.M. The chronological well history will be submitted with the well completion report.

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

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 2/1/2010

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:
ML 22650

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UTU63047A

8. WELL NAME and NUMBER:
NBU 922-36M3T

9. API NUMBER:
4304750366

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SWSW 36 9S 22E

12. COUNTY
UINTAH

13. STATE
UTAH

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

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

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

3. ADDRESS OF OPERATOR: P.O. BOX 173779 CITY DENVER STATE CO ZIP 80217 PHONE NUMBER: (720) 929-6100

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **SWSW 538 FSL & 433 FWL**
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: **0530 FSL 0429 FWL**

14. DATE SPUDDED: **8/26/2009**

15. DATE T.D. REACHED: **10/12/2009**

16. DATE COMPLETED: **1/29/2010**

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
4968' GL

18. TOTAL DEPTH: MD **8,685** TVD **8,683**

19. PLUG BACK T.D.: MD **8,626** TVD **8,624**

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)
GR/CBL-BHV/SDL/DSN/ACTR

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#		2,134		625			
7 7/8"	4 1/2 I-80	11.6#		8,669		1615		152	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7,987							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	5,840	6,092			5,840 6,092	0.36	80	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) MESAVERDE	6,722	8,578			6,722 8,578	0.36	333	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"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5,840-6,092	PMP 1,660 BBLs SLICK H2O & 66,291 LBS 30/50 SD.
6,722-8,578	PMP 11,067 BBLs SLICK H2O & 416,934 LBS 30/50 SD.

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

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

30. WELL STATUS:
PROD

RECEIVED

MAR 08 2010

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 1/29/2010		TEST DATE: 2/9/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,968	WATER - BBL: 120	PROD. METHOD: FLOWING
CHOKE SIZE: 18/64	TBG. PRESS. 1,744	CSG. PRESS. 1,428	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,968	WATER - BBL: 120	INTERVAL STATUS: PROD

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,127				
MAHOGANY	1,746				
WASATCH	4,228	6,391			
MESAVERDE	6,394	8,631			

35. ADDITIONAL REMARKS (Include plugging procedure)

ATTACHED TO THIS COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND EOWR.

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

NAME (PLEASE PRINT) ANDY LYTLE

TITLE REGULATORY ANALYST

SIGNATURE 

DATE 3/1/2010

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- 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



Scientific Drilling
Rocky Mountain Operations

END OF WELL REPORT

Prepared For:

Kerr McGee Oil & Gas Onshore LP
NBU 922-36M3T
NBU 922-36M Pad
Ensign 145
Uintah County, UT

Prepared By:

Rex Hall, Grand Junction D.E.
Scientific Drilling
Rocky Mountain Region

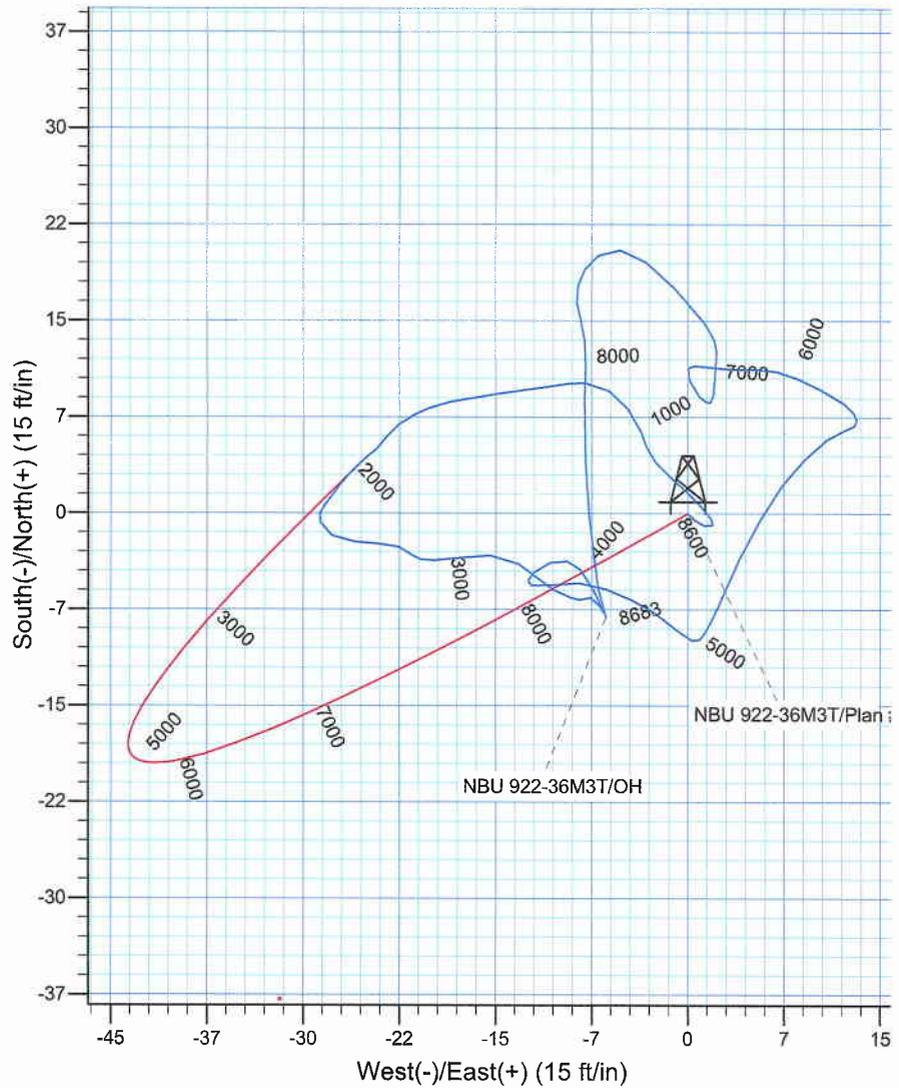
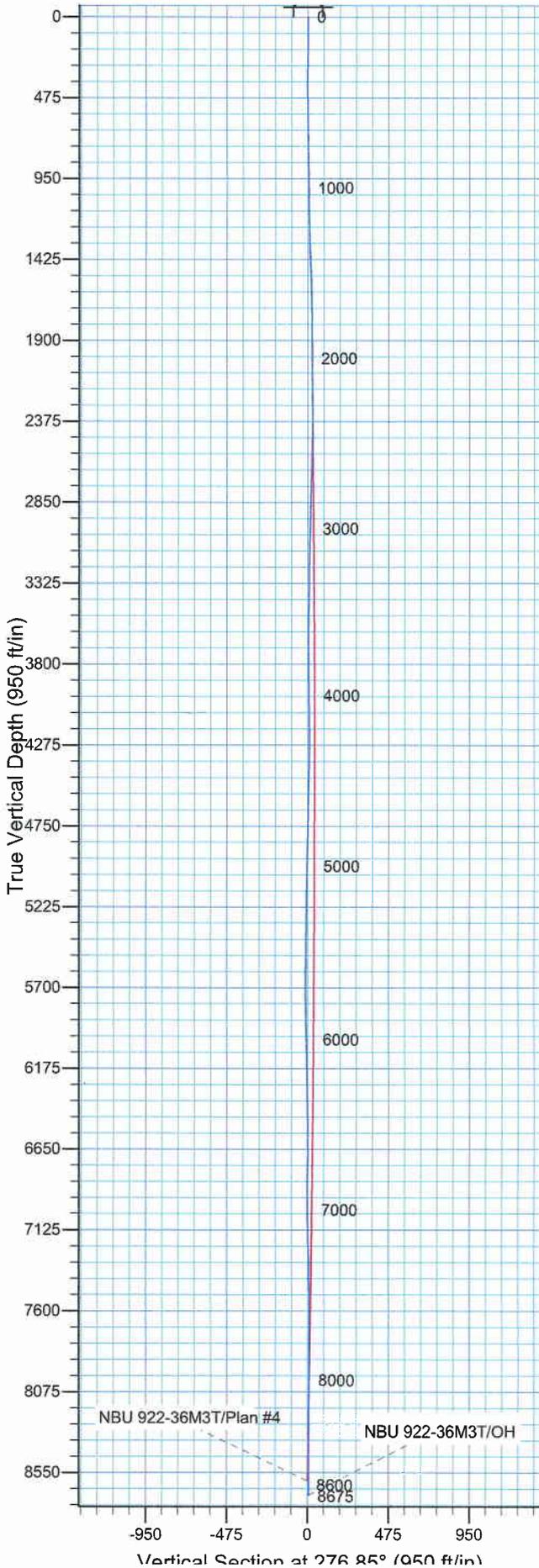
Scientific Drilling International
7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621
rex.hall@scientificdrilling.com



Scientific Drilling
Rocky Mountain Operations

TABLE OF CONTENTS

- 1. Directional Plot and Surveys**
- 2. Daily Drilling Reports**
- 3. BHA Summary Reports and Slide Sheets**
- 4. Graphical Job History**
- 5. Support Staff**



WELL DETAILS: NBU 922-36M3T

Ground Level: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14525267.73	2089870.07	39° 59' 12.334 N	109° 23' 43.765 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well NBU 922-36M3T, True North
 Vertical (TVD) Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
 Calculation Method: Minimum Curvature
 Local North: True
 Location: Sec 36 T9S R22E

PROJECT DETAILS: Uintah County, UT UTM12

Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 - Western US
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)

Design: OH (NBU 922-36M3T/OH)

Created By: Rex Hall Date: 2009-10-20

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12

NBU 922-36M Pad

NBU 922-36M3T

OH

Design: OH

Standard Survey Report

20 October, 2009

Scientific Drilling International

Survey Report

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-36M Pad, Sec 36 T9S R22E				
Site Position:		Northing:	14,525,279.08 ft	Latitude:	39° 59' 12.432 N
From:	Lat/Long	Easting:	2,089,949.89 ft	Longitude:	109° 23' 42.737 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	1.03 °

Well	NBU 922-36M3T, 538' FSL & 433' FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,525,267.73 ft	Latitude:	39° 59' 12.334 N
	+E/-W	0.00 ft	Easting:	2,089,870.07 ft	Longitude:	109° 23' 43.765 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,967.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2005-10	8/12/2009	(°)	(°)	(nT)
			11.25	65.93	52,549

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	10.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	10.00	0.00	0.00	276.85	

Survey Program	Date 10/20/2009				
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
168.00	2,108.00	Survey #1 - Surface (OH)	MWD SDI	MWD - Standard ver 1.0.1	
2,162.00	8,685.00	Survey #2 - Production Surveys (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	
168.00	0.50	135.38	168.00	-0.49	0.48	-0.54	0.32	0.32	0.00	
First SDI Surface MWD Survey										
258.00	0.62	111.63	257.99	-0.95	1.21	-1.32	0.29	0.13	-26.39	
348.00	0.42	53.48	347.99	-0.93	1.93	-2.03	0.59	-0.22	-64.61	
428.00	0.73	313.25	427.99	-0.41	1.79	-1.83	1.13	0.39	-125.29	
518.00	0.91	325.57	517.98	0.57	0.97	-0.90	0.28	0.20	13.69	
608.00	1.10	309.54	607.97	1.71	-0.10	0.30	0.38	0.21	-17.81	
698.00	1.02	312.43	697.95	2.80	-1.35	1.68	0.11	-0.09	3.21	
788.00	1.13	318.78	787.93	4.01	-2.53	2.99	0.18	0.12	7.06	
878.00	0.62	348.29	877.92	5.16	-3.21	3.81	0.74	-0.57	32.79	
968.00	1.10	333.36	967.91	6.40	-3.70	4.44	0.58	0.53	-16.59	

Scientific Drilling International

Survey Report

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,058.00	1.40	327.82	1,057.89	8.11	-4.67	5.61	0.36	0.33	-6.16	
1,148.00	1.34	299.56	1,147.87	9.56	-6.17	7.27	0.75	-0.07	-31.40	
1,238.00	1.21	274.69	1,237.85	10.15	-8.04	9.19	0.63	-0.14	-27.63	
1,328.00	2.19	259.30	1,327.81	9.91	-10.67	11.78	1.19	1.09	-17.10	
1,418.00	2.69	263.89	1,417.72	9.37	-14.46	15.48	0.60	0.56	5.10	
1,508.00	2.51	256.71	1,507.63	8.69	-18.48	19.39	0.41	-0.20	-7.98	
1,598.00	1.24	239.13	1,597.58	7.74	-21.24	22.01	1.53	-1.41	-19.53	
1,688.00	0.75	235.91	1,687.57	6.91	-22.56	23.22	0.55	-0.54	-3.58	
1,778.00	1.03	215.80	1,777.56	5.92	-23.52	24.06	0.46	0.31	-22.34	
1,868.00	0.48	227.12	1,867.55	5.01	-24.27	24.69	0.63	-0.61	12.58	
1,958.00	0.55	234.73	1,957.55	4.50	-24.90	25.26	0.11	0.08	8.46	
2,048.00	0.84	223.55	2,047.54	3.78	-25.71	25.97	0.35	0.32	-12.42	
2,108.00	1.10	225.73	2,107.53	3.05	-26.42	26.60	0.44	0.43	3.63	
Last SDI Surface MWD Survey										
2,162.00	1.22	214.49	2,161.52	2.22	-27.12	27.19	0.48	0.22	-20.81	
First SDI Production MWD Survey										
2,253.00	1.25	219.15	2,252.50	0.65	-28.29	28.17	0.12	0.03	5.12	
2,343.00	0.80	157.70	2,342.49	-0.69	-28.67	28.39	1.24	-0.50	-68.28	
2,434.00	0.98	123.36	2,433.48	-1.71	-27.78	27.38	0.61	0.20	-37.74	
2,524.00	1.43	94.39	2,523.46	-2.22	-26.02	25.57	0.83	0.50	-32.19	
2,615.00	1.08	95.50	2,614.43	-2.39	-24.03	23.58	0.39	-0.38	1.22	
2,705.00	0.81	103.85	2,704.42	-2.62	-22.57	22.10	0.34	-0.30	9.28	
2,796.00	0.82	138.76	2,795.41	-3.26	-21.52	20.98	0.54	0.01	38.36	
2,886.00	1.66	86.91	2,885.39	-3.68	-19.79	19.21	1.47	0.93	-57.61	
2,977.00	1.28	81.23	2,976.36	-3.45	-17.47	16.94	0.45	-0.42	-6.24	
3,067.00	1.35	89.71	3,066.34	-3.29	-15.42	14.92	0.23	0.08	9.42	
3,158.00	1.56	120.76	3,157.31	-3.92	-13.28	12.72	0.88	0.23	34.12	
3,249.00	1.53	131.56	3,248.28	-5.36	-11.31	10.59	0.32	-0.03	11.87	
3,339.00	0.57	93.42	3,338.26	-6.18	-9.96	9.15	1.26	-1.07	-42.38	
3,430.00	0.57	137.57	3,429.26	-6.55	-9.21	8.36	0.47	0.00	48.52	
3,520.00	0.62	73.19	3,519.26	-6.73	-8.44	7.57	0.71	0.06	-71.53	
3,611.00	0.47	83.86	3,610.25	-6.55	-7.59	6.76	0.20	-0.16	11.73	
3,701.00	1.04	154.61	3,700.24	-7.25	-6.88	5.96	1.10	0.63	78.61	
3,792.00	0.64	343.60	3,791.24	-7.51	-6.67	5.72	1.84	-0.44	-187.92	
3,882.00	1.44	332.10	3,881.23	-6.03	-7.34	6.57	0.91	0.89	-12.78	
3,973.00	1.00	319.79	3,972.20	-4.41	-8.39	7.80	0.56	-0.48	-13.53	
4,064.00	0.67	275.34	4,063.20	-3.75	-9.43	8.91	0.77	-0.36	-48.85	
4,154.00	1.01	259.63	4,153.19	-3.85	-10.73	10.20	0.45	0.38	-17.46	
4,245.00	1.17	220.27	4,244.17	-4.70	-12.12	11.47	0.82	0.18	-43.25	
4,335.00	0.67	113.96	4,334.16	-5.62	-12.23	11.48	1.67	-0.56	-118.12	
4,426.00	1.40	77.26	4,425.15	-5.59	-10.66	9.92	1.05	0.80	-40.33	
4,517.00	1.37	94.43	4,516.12	-5.43	-8.50	7.79	0.46	-0.03	18.87	
4,607.00	1.44	111.14	4,606.10	-5.92	-6.37	5.62	0.46	0.08	18.57	
4,698.00	1.16	114.25	4,697.07	-6.71	-4.46	3.63	0.32	-0.31	3.42	
4,788.00	1.47	123.76	4,787.05	-7.72	-2.67	1.73	0.42	0.34	10.57	
4,879.00	1.79	131.11	4,878.01	-9.31	-0.63	-0.49	0.42	0.35	8.08	
4,969.00	0.79	51.13	4,967.99	-9.84	0.91	-2.08	2.03	-1.11	-88.87	
5,060.00	2.73	23.10	5,058.95	-7.45	2.25	-3.12	2.27	2.13	-30.80	
5,151.00	2.46	25.82	5,149.85	-3.70	3.95	-4.37	0.33	-0.30	2.99	
5,241.00	2.20	30.57	5,239.78	-0.48	5.67	-5.69	0.36	-0.29	5.28	
5,332.00	1.85	34.70	5,330.72	2.23	7.40	-7.08	0.42	-0.38	4.54	
5,422.00	1.58	48.67	5,420.68	4.25	9.16	-8.58	0.55	-0.30	15.52	
5,513.00	1.23	48.76	5,511.65	5.72	10.83	-10.07	0.38	-0.38	0.10	
5,603.00	1.06	76.36	5,601.64	6.55	12.37	-11.50	0.63	-0.19	30.67	

Scientific Drilling International

Survey Report

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,694.00	0.70	355.15	5,692.63	7.31	13.14	-12.17	1.29	-0.40	-89.24
5,785.00	1.41	306.72	5,783.62	8.53	12.19	-11.09	1.19	0.78	-53.22
5,875.00	1.41	296.00	5,873.59	9.68	10.31	-9.08	0.29	0.00	-11.91
5,966.00	1.14	293.36	5,964.57	10.53	8.47	-7.16	0.30	-0.30	-2.90
6,056.00	0.97	282.55	6,054.55	11.05	6.91	-5.54	0.29	-0.19	-12.01
6,147.00	0.88	270.16	6,145.54	11.22	5.46	-4.08	0.24	-0.10	-13.62
6,237.00	0.88	269.54	6,235.53	11.21	4.08	-2.71	0.01	0.00	-0.69
6,328.00	0.79	274.38	6,326.52	11.26	2.75	-1.39	0.13	-0.10	5.32
6,418.00	0.79	279.12	6,416.51	11.40	1.52	-0.15	0.07	0.00	5.27
6,509.00	0.44	273.41	6,507.50	11.52	0.55	0.83	0.39	-0.38	-6.27
6,599.00	0.35	220.59	6,597.50	11.33	0.03	1.33	0.40	-0.10	-58.69
6,690.00	0.88	161.79	6,688.50	10.46	0.07	1.18	0.84	0.58	-64.62
6,781.00	1.14	137.97	6,779.48	9.12	0.89	0.21	0.54	0.29	-26.18
6,871.00	0.44	53.24	6,869.48	8.66	1.77	-0.72	1.32	-0.78	-94.14
6,962.00	1.85	1.39	6,960.46	10.34	2.08	-0.83	1.78	1.55	-56.98
7,052.00	0.97	8.60	7,050.43	12.55	2.23	-0.72	1.00	-0.98	8.01
7,143.00	2.20	325.09	7,141.40	14.74	1.35	0.42	1.80	1.35	-47.81
7,233.00	2.34	314.19	7,231.33	17.44	-0.96	3.03	0.50	0.16	-12.11
7,324.00	1.67	309.36	7,322.27	19.57	-3.32	5.63	0.76	-0.74	-5.31
7,414.00	1.23	275.69	7,412.24	20.50	-5.29	7.70	1.04	-0.49	-37.41
7,505.00	1.14	234.83	7,503.22	20.08	-7.00	9.35	0.91	-0.10	-44.90
7,595.00	0.88	208.81	7,593.21	18.96	-8.07	10.27	0.58	-0.29	-28.91
7,686.00	0.88	196.24	7,684.20	17.67	-8.60	10.65	0.21	0.00	-13.81
7,777.00	0.79	168.38	7,775.19	16.39	-8.67	10.56	0.45	-0.10	-30.62
7,867.00	0.97	165.74	7,865.18	15.04	-8.36	10.09	0.20	0.20	-2.93
7,958.00	1.06	172.77	7,956.17	13.46	-8.06	9.61	0.17	0.10	7.73
8,048.00	1.49	182.36	8,046.14	11.46	-8.01	9.32	0.53	0.48	10.66
8,139.00	1.67	180.33	8,137.11	8.96	-8.06	9.07	0.21	0.20	-2.23
8,285.00	2.11	178.49	8,283.03	4.14	-8.00	8.44	0.30	0.30	-1.26
8,320.00	2.02	174.97	8,318.01	2.88	-7.93	8.22	0.44	-0.26	-10.06
8,411.00	2.02	176.91	8,408.95	-0.32	-7.71	7.61	0.08	0.00	2.13
8,592.00	1.49	167.24	8,589.86	-5.80	-7.01	6.27	0.33	-0.29	-5.34
8,630.00	1.49	164.69	8,627.85	-6.75	-6.77	5.92	0.17	0.00	-6.71
Last SDI Production MWD Survey									
8,685.00	1.49	164.69	8,682.83	-8.13	-6.40	5.38	0.00	0.00	0.00
Projection To TD									

Scientific Drilling International

Survey Report

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
NBU 922-36M3T PBHL	0.00	0.00	8,601.00	10.93	81.25	14,525,280.12	2,089,951.11	39° 59' 12.442 N	109° 23' 42.721 W
- actual wellpath misses target center by 89.82ft at 8603.27ft MD (8601.13 TVD, -6.08 N, -6.95 E)									
- Circle (radius 25.00)									
NBU 922-36M3T	0.00	0.00	8,600.00	0.00	0.00	14,525,267.73	2,089,870.07	39° 59' 12.334 N	109° 23' 43.765 W
- actual wellpath misses target center by 9.22ft at 8602.03ft MD (8599.89 TVD, -6.05 N, -6.95 E)									
- Circle (radius 25.00)									

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)		
168.00	168.00	-0.49	0.48	First SDI Surface MWD Survey	
2,108.00	2,107.53	3.05	-26.42	Last SDI Surface MWD Survey	
2,162.00	2,161.52	2.22	-27.12	First SDI Production MWD Survey	
8,630.00	8,627.85	-6.75	-6.77	Last SDI Production MWD Survey	
8,685.00	8,682.83	-8.13	-6.40	Projection To TD	

Checked By: _____ Approved By: _____ Date: _____

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12

NBU 922-36M Pad

NBU 922-36M3T

OH

Design: OH

Survey Report - Geographic

20 October, 2009

Scientific Drilling International

Survey Report - Geographic

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-36M Pad, Sec 36 T9S R22E				
Site Position:		Northing:	14,525,279.08 ft	Latitude:	39° 59' 12.432 N
From:	Lat/Long	Easting:	2,089,949.89 ft	Longitude:	109° 23' 42.737 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	1.03 °

Well	NBU 922-36M3T, 538' FSL & 433' FWL					
Well Position	+N-S	0.00 ft	Northing:	14,525,267.73 ft	Latitude:	39° 59' 12.334 N
	+E-W	0.00 ft	Easting:	2,089,870.07 ft	Longitude:	109° 23' 43.765 W
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft	Ground Level:	4,967.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	8/12/2009	11.25	65.93	52,549

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	10.00
Vertical Section:		Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
		10.00	0.00	0.00	276.85

Survey Program	Date	10/20/2009			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
168.00	2,108.00	Survey #1 - Surface (OH)	MWD SDI	MWD - Standard ver 1.0.1	
2,162.00	8,685.00	Survey #2 - Production Surveys (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Scientific Drilling International

Survey Report - Geographic

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
10.00	0.00	0.00	10.00	0.00	0.00	14,525,267.73	2,089,870.07	39° 59' 12.334 N	109° 23' 43.765 W	
168.00	0.50	135.38	168.00	-0.49	0.48	14,525,267.24	2,089,870.57	39° 59' 12.329 N	109° 23' 43.759 W	
First SDI Surface MWD Survey										
258.00	0.62	111.63	257.99	-0.95	1.21	14,525,266.80	2,089,871.30	39° 59' 12.325 N	109° 23' 43.749 W	
348.00	0.42	53.48	347.99	-0.93	1.93	14,525,266.83	2,089,872.02	39° 59' 12.325 N	109° 23' 43.740 W	
428.00	0.73	313.25	427.99	-0.41	1.79	14,525,267.35	2,089,871.87	39° 59' 12.330 N	109° 23' 43.742 W	
518.00	0.91	325.57	517.98	0.57	0.97	14,525,268.32	2,089,871.04	39° 59' 12.340 N	109° 23' 43.752 W	
608.00	1.10	309.54	607.97	1.71	-0.10	14,525,269.44	2,089,869.94	39° 59' 12.351 N	109° 23' 43.766 W	
698.00	1.02	312.43	697.95	2.80	-1.35	14,525,270.50	2,089,868.67	39° 59' 12.362 N	109° 23' 43.782 W	
788.00	1.13	318.78	787.93	4.01	-2.53	14,525,271.69	2,089,867.47	39° 59' 12.374 N	109° 23' 43.798 W	
878.00	0.62	348.29	877.92	5.16	-3.21	14,525,272.82	2,089,866.77	39° 59' 12.385 N	109° 23' 43.806 W	
968.00	1.10	333.36	967.91	6.40	-3.70	14,525,274.06	2,089,866.26	39° 59' 12.397 N	109° 23' 43.813 W	
1,058.00	1.40	327.82	1,057.89	8.11	-4.67	14,525,275.75	2,089,865.25	39° 59' 12.414 N	109° 23' 43.825 W	
1,148.00	1.34	299.56	1,147.87	9.56	-6.17	14,525,277.17	2,089,863.73	39° 59' 12.428 N	109° 23' 43.844 W	
1,238.00	1.21	274.69	1,237.85	10.15	-8.04	14,525,277.73	2,089,861.85	39° 59' 12.434 N	109° 23' 43.868 W	
1,328.00	2.19	259.30	1,327.81	9.91	-10.67	14,525,277.44	2,089,859.22	39° 59' 12.432 N	109° 23' 43.902 W	
1,418.00	2.69	263.89	1,417.72	9.37	-14.46	14,525,276.83	2,089,855.44	39° 59' 12.427 N	109° 23' 43.951 W	
1,508.00	2.51	256.71	1,507.63	8.69	-18.48	14,525,276.08	2,089,851.44	39° 59' 12.420 N	109° 23' 44.002 W	
1,598.00	1.24	239.13	1,597.58	7.74	-21.24	14,525,275.08	2,089,848.70	39° 59' 12.410 N	109° 23' 44.038 W	
1,688.00	0.75	235.91	1,687.57	6.91	-22.56	14,525,274.23	2,089,847.39	39° 59' 12.402 N	109° 23' 44.055 W	
1,778.00	1.03	215.80	1,777.56	5.92	-23.52	14,525,273.22	2,089,846.45	39° 59' 12.393 N	109° 23' 44.067 W	
1,868.00	0.48	227.12	1,867.55	5.01	-24.27	14,525,272.30	2,089,845.72	39° 59' 12.384 N	109° 23' 44.077 W	
1,958.00	0.55	234.73	1,957.55	4.50	-24.90	14,525,271.78	2,089,845.10	39° 59' 12.379 N	109° 23' 44.085 W	
2,048.00	0.84	223.55	2,047.54	3.78	-25.71	14,525,271.04	2,089,844.30	39° 59' 12.371 N	109° 23' 44.095 W	
2,108.00	1.10	225.73	2,107.53	3.05	-26.42	14,525,270.31	2,089,843.60	39° 59' 12.364 N	109° 23' 44.104 W	
Last SDI Surface MWD Survey										
2,162.00	1.22	214.49	2,161.52	2.22	-27.12	14,525,269.46	2,089,842.92	39° 59' 12.356 N	109° 23' 44.113 W	
First SDI Production MWD Survey										
2,253.00	1.25	219.15	2,252.50	0.65	-28.29	14,525,267.87	2,089,841.77	39° 59' 12.340 N	109° 23' 44.129 W	
2,343.00	0.80	157.70	2,342.49	-0.69	-28.67	14,525,266.52	2,089,841.42	39° 59' 12.327 N	109° 23' 44.133 W	
2,434.00	0.98	123.36	2,433.48	-1.71	-27.78	14,525,265.52	2,089,842.32	39° 59' 12.317 N	109° 23' 44.122 W	
2,524.00	1.43	94.39	2,523.46	-2.22	-26.02	14,525,265.04	2,089,844.10	39° 59' 12.312 N	109° 23' 44.099 W	
2,615.00	1.08	95.50	2,614.43	-2.39	-24.03	14,525,264.91	2,089,846.08	39° 59' 12.310 N	109° 23' 44.074 W	
2,705.00	0.81	103.85	2,704.42	-2.62	-22.57	14,525,264.70	2,089,847.55	39° 59' 12.308 N	109° 23' 44.055 W	
2,796.00	0.82	138.76	2,795.41	-3.26	-21.52	14,525,264.08	2,089,848.62	39° 59' 12.302 N	109° 23' 44.041 W	
2,886.00	1.66	86.91	2,885.39	-3.68	-19.79	14,525,263.69	2,089,850.35	39° 59' 12.298 N	109° 23' 44.019 W	
2,977.00	1.28	81.23	2,976.36	-3.45	-17.47	14,525,263.96	2,089,852.67	39° 59' 12.300 N	109° 23' 43.989 W	
3,067.00	1.35	89.71	3,066.34	-3.29	-15.42	14,525,264.16	2,089,854.72	39° 59' 12.301 N	109° 23' 43.963 W	
3,158.00	1.56	120.76	3,157.31	-3.92	-13.28	14,525,263.57	2,089,856.86	39° 59' 12.295 N	109° 23' 43.936 W	
3,249.00	1.53	131.56	3,248.28	-5.36	-11.31	14,525,262.16	2,089,858.86	39° 59' 12.281 N	109° 23' 43.910 W	
3,339.00	0.57	93.42	3,338.26	-6.18	-9.96	14,525,261.36	2,089,860.22	39° 59' 12.273 N	109° 23' 43.893 W	
3,430.00	0.57	137.57	3,429.26	-6.55	-9.21	14,525,261.02	2,089,860.99	39° 59' 12.269 N	109° 23' 43.883 W	
3,520.00	0.62	73.19	3,519.26	-6.73	-8.44	14,525,260.84	2,089,861.76	39° 59' 12.267 N	109° 23' 43.873 W	
3,611.00	0.47	83.86	3,610.25	-6.55	-7.59	14,525,261.04	2,089,862.60	39° 59' 12.269 N	109° 23' 43.863 W	
3,701.00	1.04	154.61	3,700.24	-7.25	-6.88	14,525,260.35	2,089,863.33	39° 59' 12.262 N	109° 23' 43.853 W	
3,792.00	0.64	343.60	3,791.24	-7.51	-6.67	14,525,260.10	2,089,863.54	39° 59' 12.260 N	109° 23' 43.851 W	
3,882.00	1.44	332.10	3,881.23	-6.03	-7.34	14,525,261.57	2,089,862.84	39° 59' 12.274 N	109° 23' 43.859 W	
3,973.00	1.00	319.79	3,972.20	-4.41	-8.39	14,525,263.17	2,089,861.77	39° 59' 12.290 N	109° 23' 43.873 W	
4,064.00	0.67	275.34	4,063.20	-3.75	-9.43	14,525,263.80	2,089,860.71	39° 59' 12.297 N	109° 23' 43.886 W	
4,154.00	1.01	259.63	4,153.19	-3.85	-10.73	14,525,263.69	2,089,859.41	39° 59' 12.296 N	109° 23' 43.903 W	
4,245.00	1.17	220.27	4,244.17	-4.70	-12.12	14,525,262.81	2,089,858.04	39° 59' 12.288 N	109° 23' 43.921 W	
4,335.00	0.67	113.96	4,334.16	-5.62	-12.23	14,525,261.89	2,089,857.94	39° 59' 12.278 N	109° 23' 43.922 W	
4,426.00	1.40	77.26	4,425.15	-5.59	-10.66	14,525,261.95	2,089,859.51	39° 59' 12.279 N	109° 23' 43.902 W	
4,517.00	1.37	94.43	4,516.12	-5.43	-8.50	14,525,262.15	2,089,861.68	39° 59' 12.280 N	109° 23' 43.874 W	
4,607.00	1.44	111.14	4,606.10	-5.92	-6.37	14,525,261.70	2,089,863.81	39° 59' 12.276 N	109° 23' 43.847 W	

Scientific Drilling International

Survey Report - Geographic

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
4,698.00	1.16	114.25	4,697.07	-6.71	-4.46	14,525,260.94	2,089,865.73	39° 59' 12.268 N	109° 23' 43.822 W	
4,788.00	1.47	123.76	4,787.05	-7.72	-2.67	14,525,259.96	2,089,867.54	39° 59' 12.258 N	109° 23' 43.799 W	
4,879.00	1.79	131.11	4,878.01	-9.31	-0.63	14,525,258.41	2,089,869.61	39° 59' 12.242 N	109° 23' 43.773 W	
4,969.00	0.79	51.13	4,967.99	-9.84	0.91	14,525,257.90	2,089,871.16	39° 59' 12.237 N	109° 23' 43.753 W	
5,060.00	2.73	23.10	5,058.95	-7.45	2.25	14,525,260.31	2,089,872.46	39° 59' 12.260 N	109° 23' 43.736 W	
5,151.00	2.46	25.82	5,149.85	-3.70	3.95	14,525,264.10	2,089,874.09	39° 59' 12.297 N	109° 23' 43.714 W	
5,241.00	2.20	30.57	5,239.78	-0.48	5.67	14,525,267.35	2,089,875.75	39° 59' 12.329 N	109° 23' 43.692 W	
5,332.00	1.85	34.70	5,330.72	2.23	7.40	14,525,270.09	2,089,877.43	39° 59' 12.356 N	109° 23' 43.670 W	
5,422.00	1.58	48.67	5,420.68	4.25	9.16	14,525,272.14	2,089,879.15	39° 59' 12.376 N	109° 23' 43.647 W	
5,513.00	1.23	48.76	5,511.65	5.72	10.83	14,525,273.64	2,089,880.80	39° 59' 12.391 N	109° 23' 43.626 W	
5,603.00	1.06	76.36	5,601.64	6.55	12.37	14,525,274.50	2,089,882.32	39° 59' 12.399 N	109° 23' 43.606 W	
5,694.00	0.70	355.15	5,692.63	7.31	13.14	14,525,275.27	2,089,883.08	39° 59' 12.406 N	109° 23' 43.596 W	
5,785.00	1.41	306.72	5,783.62	8.53	12.19	14,525,276.47	2,089,882.11	39° 59' 12.418 N	109° 23' 43.608 W	
5,875.00	1.41	296.00	5,873.59	9.68	10.31	14,525,277.59	2,089,880.21	39° 59' 12.430 N	109° 23' 43.633 W	
5,966.00	1.14	293.36	5,964.57	10.53	8.47	14,525,278.40	2,089,878.36	39° 59' 12.438 N	109° 23' 43.656 W	
6,056.00	0.97	282.55	6,054.55	11.05	6.91	14,525,278.90	2,089,876.78	39° 59' 12.443 N	109° 23' 43.676 W	
6,147.00	0.88	270.16	6,145.54	11.22	5.46	14,525,279.04	2,089,875.33	39° 59' 12.445 N	109° 23' 43.695 W	
6,237.00	0.88	269.54	6,235.53	11.21	4.08	14,525,279.01	2,089,873.95	39° 59' 12.445 N	109° 23' 43.713 W	
6,328.00	0.79	274.38	6,326.52	11.26	2.75	14,525,279.03	2,089,872.62	39° 59' 12.445 N	109° 23' 43.730 W	
6,418.00	0.79	279.12	6,416.51	11.40	1.52	14,525,279.15	2,089,871.39	39° 59' 12.447 N	109° 23' 43.745 W	
6,509.00	0.44	273.41	6,507.50	11.52	0.55	14,525,279.26	2,089,870.42	39° 59' 12.448 N	109° 23' 43.758 W	
6,599.00	0.35	220.59	6,597.50	11.33	0.03	14,525,279.06	2,089,869.90	39° 59' 12.446 N	109° 23' 43.765 W	
6,690.00	0.88	161.79	6,688.50	10.46	0.07	14,525,278.18	2,089,869.95	39° 59' 12.437 N	109° 23' 43.764 W	
6,781.00	1.14	137.97	6,779.48	9.12	0.89	14,525,276.86	2,089,870.80	39° 59' 12.424 N	109° 23' 43.754 W	
6,871.00	0.44	53.24	6,869.48	8.66	1.77	14,525,276.42	2,089,871.68	39° 59' 12.420 N	109° 23' 43.742 W	
6,962.00	1.85	1.39	6,960.46	10.34	2.08	14,525,278.10	2,089,871.97	39° 59' 12.436 N	109° 23' 43.738 W	
7,052.00	0.97	8.60	7,050.43	12.55	2.23	14,525,280.31	2,089,872.08	39° 59' 12.458 N	109° 23' 43.736 W	
7,143.00	2.20	325.09	7,141.40	14.74	1.35	14,525,282.49	2,089,871.15	39° 59' 12.480 N	109° 23' 43.748 W	
7,233.00	2.34	314.19	7,231.33	17.44	-0.96	14,525,285.14	2,089,868.80	39° 59' 12.506 N	109° 23' 43.777 W	
7,324.00	1.67	309.36	7,322.27	19.57	-3.32	14,525,287.24	2,089,866.40	39° 59' 12.527 N	109° 23' 43.808 W	
7,414.00	1.23	275.69	7,412.24	20.50	-5.29	14,525,288.13	2,089,864.41	39° 59' 12.537 N	109° 23' 43.833 W	
7,505.00	1.14	234.83	7,503.22	20.08	-7.00	14,525,287.67	2,089,862.71	39° 59' 12.532 N	109° 23' 43.855 W	
7,595.00	0.88	208.81	7,593.21	18.96	-8.07	14,525,286.53	2,089,861.66	39° 59' 12.521 N	109° 23' 43.869 W	
7,686.00	0.88	196.24	7,684.20	17.67	-8.60	14,525,285.24	2,089,861.15	39° 59' 12.509 N	109° 23' 43.876 W	
7,777.00	0.79	168.38	7,775.19	16.39	-8.67	14,525,283.95	2,089,861.11	39° 59' 12.496 N	109° 23' 43.876 W	
7,867.00	0.97	165.74	7,865.18	15.04	-8.36	14,525,282.61	2,089,861.45	39° 59' 12.483 N	109° 23' 43.872 W	
7,958.00	1.06	172.77	7,956.17	13.46	-8.06	14,525,281.04	2,089,861.77	39° 59' 12.467 N	109° 23' 43.869 W	
8,048.00	1.49	182.36	8,046.14	11.46	-8.01	14,525,279.05	2,089,861.86	39° 59' 12.447 N	109° 23' 43.868 W	
8,139.00	1.67	180.33	8,137.11	8.96	-8.06	14,525,276.54	2,089,861.85	39° 59' 12.423 N	109° 23' 43.869 W	
8,285.00	2.11	178.49	8,283.03	4.14	-8.00	14,525,271.72	2,089,862.00	39° 59' 12.375 N	109° 23' 43.868 W	
8,320.00	2.02	174.97	8,318.01	2.88	-7.93	14,525,270.47	2,089,862.09	39° 59' 12.363 N	109° 23' 43.867 W	
8,411.00	2.02	176.91	8,408.95	-0.32	-7.71	14,525,267.27	2,089,862.37	39° 59' 12.331 N	109° 23' 43.864 W	
8,592.00	1.49	167.24	8,589.86	-5.80	-7.01	14,525,261.81	2,089,863.16	39° 59' 12.277 N	109° 23' 43.855 W	
8,630.00	1.49	164.69	8,627.85	-6.75	-6.77	14,525,260.85	2,089,863.42	39° 59' 12.267 N	109° 23' 43.852 W	
Last SDI Production MWD Survey										
8,685.00	1.49	164.69	8,682.83	-8.13	-6.40	14,525,259.48	2,089,863.82	39° 59' 12.254 N	109° 23' 43.847 W	
Projection To TD										

Scientific Drilling International

Survey Report - Geographic

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 922-36M Pad
Well: NBU 922-36M3T
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 922-36M3T
TVD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
MD Reference: GL 4967' & RKB 14' @ 4981.00ft (Ensign 145)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
NBU 922-36M3T PBHL	0.00	0.00	8,601.00	10.93	81.25	14,525,280.12	2,089,951.11	39° 59' 12.442 N	109° 23' 42.721 W
- actual wellpath misses target center by 89.82ft at 8603.27ft MD (8601.13 TVD, -6.08 N, -6.95 E)									
- Circle (radius 25.00)									
NBU 922-36M3T	0.00	0.00	8,600.00	0.00	0.00	14,525,267.73	2,089,870.07	39° 59' 12.334 N	109° 23' 43.765 W
- actual wellpath misses target center by 9.22ft at 8602.03ft MD (8599.89 TVD, -6.05 N, -6.95 E)									
- Circle (radius 25.00)									

Design Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
168.00	168.00	-0.49	0.48	First SDI Surface MWD Survey
2,108.00	2,107.53	3.05	-26.42	Last SDI Surface MWD Survey
2,162.00	2,161.52	2.22	-27.12	First SDI Production MWD Survey
8,630.00	8,627.85	-6.75	-6.77	Last SDI Production MWD Survey
8,685.00	8,682.83	-8.13	-6.40	Projection To TD

Checked By: _____ Approved By: _____ Date: _____

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009		Spud Date: 9/4/2009				
Project: UTAH-UINTAH			Site: NBU 922-36M PAD			Rig Name No: PROPETRO/, ENSIGN 145/145		
Event: DRILLING			Start Date: 7/21/2009			End Date: 10/14/2009		
Active Datum: RKB @4,981.00ft (above Mean Sea Level)				UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/4/2009	16:30 - 17:30	1.00	DRLSUR	01	B	P		R/U PROPETRO 12,AIR BOWL,BLOOY LINE,COMPRESSOR AND BOOSTER
	17:30 - 18:00	0.50	DRLSUR	06	A	P		P/U AIR HAMMER
	18:00 - 19:30	1.50	DRLSUR	02	A	P		DRL F/ 44' TO 180' AIRMIST 2000CFM
	19:30 - 20:30	1.00	DRLSUR	06	A	P		L/D HAMMER TOOLS
	20:30 - 22:30	2.00	DRLSUR	21	D	Z		WAITING ON TOOLS TO P/U DRL ASSY
	22:30 - 0:00	1.50	DRLSUR	06	A	P		P/U BIT AND DIR TOOLS
9/5/2009	0:00 - 8:00	8.00	DRLSUR	02	B	P		DRL F/ 180' TO 1100' - 12 BBLS MIN,1200 PSI, SLIDE F/ 300' TO 306', 390' 400' TOTAL - 16'
	8:00 - 12:00	4.00	DRLSUR	08	B	Z		TRIPLEX PUMPS MTRS FAILED WAIT ON ANOTHER PUMP F/ TOWN
	12:00 - 0:00	12.00	DRLSUR	02	B	P		DRL F/ 1100' TO 1940' 9 BBLS MIN 2400 CFM AIRATED DRLG, SLIDE F/ 920'-928'-1010'-1018'-1100'-1110'-1280-1288'-1490'-1500'-1550-1562-1640-1650-1730-1738-1820-1828 TOTAL 82'
9/6/2009	0:00 - 3:00	3.00	DRLSUR	02	B	P		DRL F/ 1940' TO 2150' TD,9 BBLS MIN 2400 CFM,1300 PSI
	3:00 - 4:00	1.00	DRLSUR	05	C	P		CIRC TO L/D TOOLS
	4:00 - 7:30	3.50	DRLSUR	06	A	P		L/D TOOLS AND BIT
	7:30 - 10:30	3.00	DRLSUR	12	B	P		R/U RUN 48 JOINTS J-55 36# 9 5/8 CSNG SHOE @ 2124' BAFFLE @ 2080' RELEASE RIG @ 10:30 09/06/09
	11:00 - 14:30	3.50	DRLSUR	12	E	P		CMNT SURFACE, 300SX 15.8# 1.15 YLD, FLOAT HELD 275SX 15.8 # 1.15 YLD ON TOP OUTS
9/7/2009	-	-	-	-	-	-	-	-
10/8/2009	3:00 - 4:30	1.50	DRLPRO	01	C	P		SKID RIG 20' FORWARD TO THE NBU-922-36M3T,CENTER UP OVER WELL,AND LEVEL RIG,R/U CAT WALK,FLOW LINE
	4:30 - 6:00	1.50	DRLPRO	14	A	P		NIPPLE UP BOPE,FLOW LINE,FLARE LINES
	6:00 - 10:30	4.50	DRLPRO	15	A	P		PRESS TEST BOPE, BLIND RAMS,PIPE RAMS,CHOKE VALVES,CHOKE MANIFOLD,KILL LINE, FLOOR VALVES,5000 PSI HIGH,250 PSI LOW, ANNULAR 2500 PSI HIGH 250 PSI LOW, CSNG TO 1500 PSI F/ 30 MIN
	10:30 - 11:00	0.50	DRLPRO	14	B	P		INSTALL WEAR BUSHING
	11:00 - 11:30	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	11:30 - 15:30	4.00	DRLPRO	06	A	P		P/U BIT # 1 FMHXS555ZM, 1.5 BH MTR, DIR TOOLS AND BHA
	15:30 - 18:30	3.00	DRLPRO	09	A	P		CUT AND SLIP 66' DRLG LINE
	18:30 - 20:30	2.00	DRLPRO	02	F	P		DRLG CMNT,FLOAT,SHOE
	20:30 - 0:00	3.50	DRLPRO	02	D	P		DRILL/SLIDE F/ 2159' TO 2575' - 416', 118' HR, 12-18K WOB, RPM 130, GPM,454, PP - 1075-1500 PSI,DIFF PRESS-350-500,
	10/9/2009	0:00 - 13:30	13.50	DRLPRO	02	D	P	
10/9/2009	13:30 - 14:00	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	14:00 - 0:00	10.00	DRLPRO	02	D	P		DRILL/SLIDE F/ 4487' TO 5692' (1205') 120' HR, 12-21K WOB, 135 RPM, 454 GPM, PP-1200 - 1800 PSI,TORQUE - 12-25 FP, BG GAS 350 -500

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH		Site: NBU 922-36M PAD	Rig Name No: PROPETRO/, ENSIGN 145/145
Event: DRILLING		Start Date: 7/21/2009	End Date: 10/14/2009
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00W/0/433.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/10/2009	0:00 - 14:00	14.00	DRLPRO	02	D	P		DRILL/SLIDE / F 5692'TO 7113' (1421') 101' HR,WOB,20-24K,RPM-130,GPM-454,PP-1950-2400 PSI,DIFF PRESS 300-450 PSI,TORQUE-12-18 FP,BG GAS-200-400
	14:00 - 14:30	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	14:30 - 0:00	9.50	DRLPRO	02	D	P		DRILL/SLIDE F/ 7113' TO 7813' (700') 74' HR, WOB-20-25K,RPM-120,GPM-454,PP-1950-2450 PSI,DIFF PRESS- 300-450 PSI, TORQUE - 10-19 FP, BG GAS 300-1100, MUD WT @ MIDNIGHT= 10.5 VIS = 37 LOST APPROX 60 BBLS MUD @ 7777' LCM CONTENT 5%
10/11/2009	0:00 - 8:00	8.00	DRLPRO	02	D	P		DRLG F/ 7813' TO 8088' (275') 34' HR PRESS SPIKING, WOB-10-25K,RPM-120,GPM-454,PP-1950-2500 PSI,DIFF PRESS 300-500 PSI,3-4'FLARE RAISED WT TO 11.3 # VIS 38
	8:00 - 11:00	3.00	DRLPRO	05	A	P		CIRC F/ TRIP, HOLE TIGHT,50K OVER PULL, 15' FLARE AFTER FLOW CHECK, CIRC RAISE WT TO 11.5
	11:00 - 16:30	5.50	DRLPRO	06	H	Z		TRIP OUT F/ MUD MTR STALLING
	16:30 - 0:00	7.50	DRLPRO	06	A	P		L/D BIT # 1 AND MUD MOTOR, P/U BIT # 2 AND MUD MOTOR, TRIP IN HOLE, FILL PIPE @ SHOE & 5900' FINISH TRIP IN HOLE TO 7908'
10/12/2009	0:00 - 1:00	1.00	DRLPRO	03	D	P		WASH ANDV REAM 180' TO BOTTOM 6' FILL 20' FLARE 2300 UNITS TRIP GAS
	1:00 - 7:00	6.00	DRLPRO	02	D	P		DRLG F/ 8088' TO 8507' (419')70' HR, 19-20K WOB, 120 RPM,454 GPM,PP-1900-2500 PSI , DIFF PRESS - 300-450, BG GAS - 100-500, TORQUE ON BTM-8 OFF-5
	7:00 - 9:30	2.50	DRLPRO	08	A	Z		BAD DELTA BREAKER, CHANGES VOLTS AND FREQUENCY TO DRAWWORKS WAIT ON ELECTRICIAN TO REPAIR
	9:30 - 12:00	2.50	DRLPRO	02	D	P		DRLG F/ 8507' TO 8647' (140'47')45' HR, WOB,20-24K,RPM 120,GPM,454,PP-1900-2600,DIFF PRSS,350-500 PSI, TORQUE-10-14FP BG GAS - 200 - 800 MUD WT 12.1 VIS 46
	12:00 - 12:30	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	12:30 - 13:30	1.00	DRLPRO	02	D	P		DRLG F/ 8647' TO 8685 T.D.'(38') 38'HR WOB,20 -24K,RPM-120,GPM,454,PP-1900-2400-PSI,DIFF PRESS 350-500 PSI, TORQUE 10-14 FP, BG 200-800 MUD WT -12.3 VIS 50 LCM-4 % MUD WT - 12.3 VIS 50
	13:30 - 15:00	1.50	DRLPRO	05	C	P		CIRC F/ WIPER TRIP
	15:00 - 0:00	9.00	DRLPRO	06	E	P		WIPER TRIP TO SHOE, NO PROBLEMS
10/13/2009	0:00 - 0:30	0.50	DRLPRO	06	D	P		FINISH WIPER TRIP TO BTM,1200 UNITS TRIP GAS NO FLARE
	0:30 - 3:00	2.50	DRLPRO	05	C	P		CIRC F/ LOGS
	3:00 - 8:30	5.50	DRLPRO	06	B	P		TRIP F/ LOGS,L/D MWD TOOLS, BIT # 2
	8:30 - 15:00	6.50	DRLPRO	11	C	P		HELD SAFETY MTNG W/ RIG CREW AND LOGGERS,RIG UP SAME RUN TRIPLE COMBO LOGS TO 8675' DRILLERS T.D= 8685, RIG DOWN LOGGERS
	15:00 - 17:00	2.00	DRLPRO	12	A	P		HELD SAFETY MTNG W/ CASERS AND RIG CREW RIG UP CASERS
10/14/2009	17:00 - 0:00	7.00	DRLPRO	12	C	P		RUN 207JOINTS 4 1/2 I-80 11.6 # BTC CSNG, SHOE DEPTH = 8676.59' - FLOAT DEPTH = 8654.17'
	0:00 - 1:30	1.50	DRLPRO	05	A	P		CIRC F/ CMNT

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH		Site: NBU 922-36M PAD	Rig Name No: PROPETRO/, ENSIGN 145/145
Event: DRILLING		Start Date: 7/21/2009	End Date: 10/14/2009
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	1:30 - 4:00	2.50	DRLPRO	12	E	P		HELD SAFETY MTNG W/ BJ AND RIG CREW R/U BJ, TEST LINES CMNT 4 1/2, 40 BBLS WATER, LEAD CMNT= 515SX PL2 @12.3# 2.12 YLD, TAIL CMNT= 1100SX 50/50 POS @ 14.3# 1.31 YLD, DISPLACE W/ 134.2 BBLSWATER @ 8.4#, BUMP PLUG W/ 3240 PSI, 630 PSI OVER CIRC PRESS OF 2610 PSI, CHECK FLOATS OK , 25 BBLS CMNT BACK TO PIT
	4:00 - 6:00	2.00	DRLPRO	14	A	P		NIPPLE DOWN BOPE, CLEAN MUD TANKS (RELEASE RIG ON 10/14/2009 @ 06:00 A.M.)

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-36M3T (YELLOW)	Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH	Site: NBU 922-36M PAD	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 12/4/2009	End Date:
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/23/2009	7:00 - 15:00	8.00	COMP	37	B	P		MIRU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VALVES T/ 7,000 PSI. GOOD TEST. BLEED OFF PSI. RDMO B&C QUICK TEST. MIRU CASED HOLE SOLUTIONS WL. STG 1)PU 3 1/8 EXP GUNS, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH PERF F/ 8446'-48', 4 SPF, 8 HOLES. 8486'-88', 3 SPF, 6 HOLES. 8516'-18', 3 SPF, 6 HOLES. 8546'-48', 4 SPF, 8 HOLES. 8574'-78', 4 SPF, 16 HOLES. TOTAL HOLES = 44 POOH. WINTERIZE WELL HEAD.
12/28/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING ON A 4 WELL PAD.
	7:30 - 7:30	0.00	COMP					
	7:30 - 11:22	3.87	COMP	36	B	P		MIRU FRAC TECH & CASED HOLE SOLUTIONS. PRESSURE TEST SURFACE EQUIPMENT TO 8,200 PSI. A LOT OF LEAKS
	11:22 - 12:26	1.07	COMP	36	B	P		STG 1) WHP 1,511 PSI, BRK 3,011 PSI @ 5.2 BPM, ISIP 2,578 PSI, FG .74. PUMP 100 BBLS @ 50.2 BPM @ 5,033 PSI = 86% HOLES OPEN. MP 5,906 PSI, MR 52.3 BPM, AP 4,248 PSI, AR 50.6 BPM, ISIP 2,678 PSI, FG .75. NPI 100 PSI. PMP 2,373 BBLS OF SW & 88,390 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 93,390 LBS.
	12:26 - 15:18	2.87	COMP	36	B	P		STG 2) PU 4 1/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING RIH. SET CBP @ 8,240 & PERF 8,206' - 8,210' 4SPF, 8,160' - 62' 3SPF, 8,130' - 32' 4SPF, 8,096' - 98' 3SPF, 8,030' - 32', 44 HOLES. WHP 1,860 PSI, BRK 3,791 PSI @ 5.7 BPM, ISIP 2,947 PSI, FG .80. PUMP 100 BBLS @ 51 BPM @ 4,780 PSI = 100% HOLES OPEN. MP 5,700 PSI, MR 51.1 BPM, AP 4,260 PSI, AR 50.4 BPM, ISIP 2,619 PSI, FG .76. NPI -328 PSI. PMP 726 BBLS OF SW & 22,106 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN SND. TOTAL PROP 27,106 LBS.
	17:24 - 18:05	0.68	COMP	36	E	P		STG 3) PU 4 1/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 7,992 & PERF 7,958' - 62' 4SPF, 7,932' - 34' 4SPF, 7,896' - 98' 4SPF, 7,855' - 57' 4SPF, 40 HOLES. WHP 1,606 PSI, BRK 3,820 PSI @ 4.4 BPM, ISIP 2,830 PSI, FG .79. PUMP 100 BBLS @ 51 BPM @ 4,850 PSI = 100% HOLES OPEN. MP 5,910 PSI, MR 51.7 BPM, AP 4,500 PSI, AR 50.1 BPM, ISIP 2,783 PSI, FG .78. NPI (-47) PSI. PMP 1,652 BBLS OF SW & 63,224 LBS OF 30/50 SND & 5,5308 LBS OF 20/40 RESIN SND. TOTAL PROP 68,532 LBS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH		Site: NBU 922-36M PAD	Rig Name No: LEED 698/698
Event: COMPLETION		Start Date: 12/4/2009	End Date:
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	18:05 - 18:05	0.00	COMP	36	E	P		STG 4) PU 4 1/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 7796 & PERF 7,762' - 66' 3 SPF, 7,722' - 24' 4 SPF, 7,672' - 74' 3 SPF, 7,626' - 30' 4 SPF, 42 HOLES. PLUG STUCK @ 5470'. SET PLUG & POOH & LD GNS. SWI - FREEZE PROTECT WH.
1/7/2010	12:00 - 17:30	5.50	COMP	30		P		MI SPOT EQUIP RU RIG ND WELL HEAD NU BOPS RU FLOOR & TUB EQUIP TALLEY & PU PIPE RIH TO EOP=4743' SWIFN
1/8/2010	7:00 - 7:15	0.25		48				JSA= TWO WELL COMMUNICATION
	7:15 -		COMP	30		P		0 PSI ON WELL PU & TALLEY PIPE TAG PLUG @ 5470' RU PWR SWVL NU RIG PUMP EST CIRC.
								PLUG #1) C/O & DRILL THRU HALLI 8K CBP @ 5470' IN 8 MIN W/ 150# INCREASE
								PLUG #2) CONTINUE TO RIH TAG SAND @ 7972' (20' FILL) C/O & DRILL THRU HALLI 8K CBP @7992' IN 10 MIN W/ 250# INCREASE
								PLUG #3) CONTINUE TO RIH TAG SAND @8230' (10' FILL) C/O & DRILL THRU HALLI 8K CBP @ 8240' IN 8 MIN W/ 100# INCREASE
								CONTINUE TO RIH TAG SAND @ 8577' (50' FILL) C/O TO PBTD @ 8627' CIRC CLEAN RD PWR SWVL POOH LD 21 JNTS LAND TUBING ON HANGER EOT @ 7993.85' RD FLOOR & TUB EQUIP ND BOPS NU WELLHEAD PUMP OFF BIT @ PSI
1/15/2010	12:00 -		COMP	30		P		TURN WELL OVER TO FBC W/ 4751 BBLS PUMPED, RIG REC= 1550 BBLS, 3200 BBLS LEFT TO REC.
								SIWP= 3500 PSI ON TUB, 3450 PSI ON CAS, OPEN TUBING TO PIT TO BLOW DOWN WELL @ 8:00 AM FLOWED TELL 2:00PM , 200 PSI ON TUB 1700 PSI ON CAS, NU PUMP TO CONTROL WELL, PUMP FROZE SOLID, THAW ICE OUT OF PUMP W/ HEATER PUT PUMP BACK TOGETHER PUMP 30 BBLS TMAC DOWN TUBING TO CONTROL WELL, ND WELLHEAD, NU BOPS, RU FLOOR & TUBING EQUIP STRIP OUT HANGER, LD 100 JNTS, SHUT IN TUBING OPEN CASING TO PIT FOR NIGHT
1/16/2010	7:00 - 7:15	0.25	COMP	48		P		JSA LAY DOWN PIPE
	7:15 - 15:00	7.75	COMP	30		P		FWP= 200 PSI ON CAS 100 PSI ON TUBING, OPEN CASING TO PIT, PUMP 20 BBLS TMAC DOWN TUBING TO CONTROL WELL CONTINUE TO LAY DOWN REMAINING TUBING ON FLOAT RD FLOOR & TUB EQUIP, ND BOPS NU FRAC VALVES & CLOSE WELL RIG DOWN RIG & PUMP MOVE EQUIP OFF LOC, MOVE PIPE FLOAT TO NEAREST LOC SDFW
1/19/2010	7:00 - 7:15	0.25	COMP	48		P		HSM. DONT WALK UNDER WL, WALK AROUND WL TRUCK.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH		Site: NBU 922-36M PAD	Rig Name No: LEED 698/698
Event: COMPLETION		Start Date: 12/4/2009	End Date:
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 7:15	0.00	COMP	37	B	P		STG 4)PU 4 1/2 8K BAKER CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. OPEN WELL 1000# SICP. RIH SET CBP @ 7796' P/U PERF F/ 7626'-30', 4 SPF, 16 HOLES. 7672'-74', 3 SPF, 6 HOLES. 7722'-24', 4 SPF, 8 HOLES. 7762'-66', 3 SPF, 12 HOLES. POOH. SWI, PREP T/ FRAC IN THE :AM. HSM. SIM OPS.
1/20/2010	7:00 - 7:30	0.50	COMP	48		P		MIRU SUPERIOR FRAC SERV. PSI TEST LINES T/ 8,000#. GOOD TEST. BLEED OFF PSI.
	7:30 - 11:33	4.05	COMP	36	B	P		STG 4)WHP 2890 PSI, BRK 5478 PSI @ 9.3 BPM. ISIP 4649 PSI, FG 1.00. PUMP 100 BBLS @ 50.7 BPM @ 4350 PSI = 100% HOLES OPEN. MP 5471 PSI, MR 51.3 BPM, AP 4045 PSI, AR 50.7 BPM, ISIP 2048 PSI, FG .70, NPI -2600 PSI. PMP 864 BBLS SW & 17,662 LBS OF 30/50 SND & 5,000 LBS OF 30/50 RESIN SND. TOTAL PROP 22,662 LBS, SWI. X-OVER T/ RED WELL.
	13:35 - 13:00		COMP	34	I	P		PU 4 1/2 8K BAKER CBP. OPEN WELL RIH SET CBP @ 7570'. POOH W/ WL. PREP T/ X-OUT FRAC VALVES IN THE :AM.
1/21/2010	9:00 - 10:30	1.50	COMP	47	C	P		SICP 1000#. OPEN WELL BLEED OFF PSI. RD FRAC LINES, FRAC HEAD & FRAC FLOOR. ND WEATHERFORD FRAC VALVES. NU APC NEW REBUILT FRAC VALVES. RU FLOOR, FRAC HEAD & LINES. PSI TEST CBP, CSG & FRAC VALVES 3400#. FRAC LINE STARTED T/ LEAK. BLEED OFF PSI. MAKE REPAIRS T/ FRAC LINE. 2ND ATTM. PSI UP T/ 5600#. GOOD TEST. BLEED OFF PSI. X-OVER FOR WL.
	10:30 - 12:44	2.23	COMP	37	B	P		STG 5) PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH TAG @ 7534' = 6' HIGH. PULL UP & WAIT FOR ORDERS. RIH PERF F/ 7444'-48', 3 SPF, 12 HOLES. 7510'-14', 4 SPF, 16 HOLES. 7430'-34', 4 SPF, 16 HOLES. (THIS INTERVAL WAS GOING T/ BE SHOT F/ 7536'-40' BUT COULD NOT GET DEEP ENOUGH. SHOT 6' HIGHER.) POOH. X-OVER FOR FRAC CREW.
	12:44 - 13:08	0.40	COMP	36	B	P		FRAC STG 5)WHP 700 PSI, BRK 3630 PSI @ 4.2 BPM. ISIP 1914 PSI, FG .69. PUMP 100 BBLS @ 52.2 BPM @ 4200 PSI = 77% HOLES OPEN. MP 4882 PSI, MR 52.8 BPM, AP 4144 PSI, AR 51.9 BPM, ISIP 2340 PSI, FG .75, NPI 426 PSI. PMP 930 BBLS SW & 29,416 LBS OF 30/50 SND & 5,000 LBS OF 30/50 RESIN SND. TOTAL PROP 34,416 LBS. DID NOT GET ANY ACID IN T/ FLUSH. (ACID GUYS DID NOT HEAR TREATER ON RADIO.) SWI. X-OVER FOR WL.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH		Site: NBU 922-36M PAD	Rig Name No: LEED 698/698
Event: COMPLETION		Start Date: 12/4/2009	End Date:
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:08 - 14:20	1.20	COMP	37	B	P		STG 6) PU 4 1/2 8K BAKER CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7388' P/U PERF F/ 7216'-20', 4 SPF, 16 HOLES. 7316'-20', 4 SPF, 16 HOLES. 7356'-58', 4 SPF, 8 HOLES. POOH. X-OVER FOR FRAC CREW.
	14:20 - 14:49	0.48	COMP	36	B	P		FRAC STG 6)WHP 855 PSI, BRK 4275 PSI @ 5.1 BPM. ISIP 1733 PSI, FG .68. PUMP 100 BBLs @ 52 BPM @ 5600 PSI = 64% HOLES OPEN. MP 6136 PSI, MR 52.8 BPM, AP 4898 PSI, AR 52.1 BPM, ISIP 2510 PSI, FG .78, NPI 777 PSI. PMP 808 BBLs SW & 20,523 LBS OF 30/50 SND & 5,000 LBS OF 30/50 RESIN SND. TOTAL PROP 25,523 LBS, SWI. X-OVER FOR WL.
	14:49 - 15:53	1.07	COMP	37	B	P		STG 7)PU 4 1/2 8K BAKER CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7160' P/U PERF F/ 7030'-34', 4 SPF, 16 HOLES. 7124'-30', 4 SPF, 24 HOLES. POOH. X-OVER FOR FRAC CREW.
	15:55 - 16:19	0.40	COMP	36	B	P		FRAC STG 7)WHP 1115 PSI, BRK 4115 PSI @ 4.8 BPM. ISIP 2202 PSI, FG .75. PUMP 100 BBLs @ 50.1 BPM @ 6200 PSI = 63% HOLES OPEN. MP 6497 PSI, MR 51.3 BPM, AP 5217 PSI, AR 50.6 BPM, ISIP 2347 PSI, FG .77, NPI 145 PSI. PMP 788 BBLs SW & 22,816 LBS OF 30/50 SND & 5,000 LBS OF 30/50 RESIN SND. TOTAL PROP 27,816 LBS, SWI. X-OVER FOR WL.
	16:19 - 17:45	1.43	COMP	37	B	P		STG 8)PU 4 1/2 8K BAKER CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 6949' P/U PERF F/ 6722'-24', 3 SPF, 6 HOLES. 6775'-77', 3 SPF, 6 HOLES. 6859'-62', 3 SPF, 9 HOLES. 6896'-98', 3 SPF, 6 HOLES. 6916'-19', 4 SPF, 12 HOLES. 39 TOTAL HOLES. POOH. SWI FN. WINTERIZE WELL HEAD. HSM. SIM OPS.
1/22/2010	7:00 - 7:15	0.25	COMP	48		P		
	7:15 - 9:50	2.58	COMP	36	B	P		FRAC STG 8)WHP 340 PSI, BRK 3217 PSI @ 3.7 BPM. ISIP 1913 PSI, FG .72. PUMP 100 BBLs @ 50.5 BPM @ 3950 PSI = 86% HOLES OPEN. MP 5861 PSI, MR 51 BPM, AP 3594 PSI, AR 50.5 BPM, ISIP 2299 PSI, FG .77, NPI 386 PSI. PMP 2926 BBLs SW & 112,489 LBS OF 30/50 SND & 5,000 LBS OF 30/50 RESIN SND. TOTAL PROP 117,489 LBS, SWI, X-OVER FOR WL.
	9:50 - 11:07	1.28	COMP	37	B	P		STG 9)PU 4 1/2 8K BAKER CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6122' P/U PERF F/ 6082'-92', 4 SPF, 40 HOLES. POOH. X-OVER FOR WL.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH		Site: NBU 922-36M PAD	Rig Name No: LEED 698/698
Event: COMPLETION		Start Date: 12/4/2009	End Date:
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:18 - 11:47	0.48	COMP	36	B	P		FRAC STG 9)WHP 170 PSI, BRK 1308 PSI @ 3.1 BPM. ISIP 1591 PSI, FG .70. PUMP 100 BBLS @ 51 BPM @ 4200 PSI = 65% HOLES OPEN. MP 4244 PSI, MR 56.4 BPM, AP 3507 PSI, AR 51.5 BPM, ISIP 1820 PSI, FG .74, NPI 229 PSI. PMP 920 BBLS SW & 30,435 LBS OF 30/50 SND & 5,000 LBS OF 30/50 RESIN SND. TOTAL PROP 35,435 LBS. SWI, X-OVER FOR WL.
	11:47 - 12:33	0.77	COMP	37	B	P		STG 10) PU 4 1/2 8K BAKER CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5880' P/U PERF F/ 5840'-50', 3 SPF, 40 HOLES. POOH. X-OVER FOR FRAC CREW.
	12:45 - 13:09	0.40	COMP	36	B	P		FRAC STG 10)WHP 1067 PSI, BRK 2781 PSI @ 3.7 BPM. ISIP 1141 PSI, FG .63. PUMP 100 BBLS @ 52.5 BPM @ 4173 PSI = 61% HOLES OPEN. MP 4339 PSI, MR 53.1 BPM, AP 3333 PSI, AR 52.5 BPM, ISIP 1304 PSI, FG .66, NPI 163 PSI. PMP 740 BBLS SW & 25,856 LBS OF 30/50 SND & 5,000 LBS OF 30/50 RESIN SND. TOTAL PROP 30,856 LBS. SWI, X-OVER FOR WL.
	13:12 - 17:00	3.80	COMP	34	I	P		PU 4 1/2 8K BAKER CBP. RIH SET CBP @ 5790'. POOH. SWI RDMO CASED HOLE SOLUTIONS WL & SUPERIOR FRAC SERV.
1/26/2010	7:00 - 7:15	0.25	COMP	48		P		JSA RIG UP SAFETY
	7:15 - 17:30	10.25	COMP	30		P		SPOT RIG & EQUIP RIG UP RIG FRAC VALVES FROZEN RU HEATER THAW VALVES, ND FRAC VALVES, NU BOPS, RU FLOOR & TUBING EQUIP, TALLEY & PU TUBING TAG TOP PLUG @5790', PU PWR SWVL, FILL HOLE TEST TO 3000 PSI, EST CIRC. PLUG #1] DRILL THRU BAKER CBP @5790' IN 10 MIN W/ 0 PSI INCREASE PLUG #2] CONTINUE TO RIH TAG SAND @5850' (30' FILL) C/O & DRILL THRU BAKER 8K CBP @ 5880' IN 8 MIN W/ 0 PSI INCREASE PLUG #3] CONTINUE TO RIH TAG SAND @ 6087' (35' FILL) C/O & DRILL THRU BAKER 8K CBP @ 6122' IN 18 MIN W/ 150 # INCREASE CIRC CLEAN FLOW WELL 30 MIN SDFN EOT @ 6157' NEXT CBP @ 6950' JSA FIX SURFACE CASING
1/27/2010	7:00 - 7:15	0.25	COMP	48		P		JSA FIX SURFACE CASING

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009	Spud Date: 9/4/2009
Project: UTAH-UINTAH		Site: NBU 922-36M PAD	Rig Name No: LEED 698/698
Event: COMPLETION		Start Date: 12/4/2009	End Date:
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 18:00	10.75	COMP	30		P		SIWP= 300 PSI, OPEN WELL TO PIT BLEEN DOWN PRESS RIH TAG SAND PLUG #4] TAG SAND @ 6915' (35' FILL) C/O & DRILL THRU BAKER 8K CBP @ 6950' IN 35 MIN W/ 0 INCREASE PLUG #5] CONTINUE TO RIH TAG SAND @ 7130' (30' FILL) C/O & DRILL THRU BAKER 8K CBP @ 7160' IN 30 MIN W/ 0 INCREASE. PLUG #6] CONTINUE TO RIH TAG SAND @ 7353' (35' FILL) C/O & DRILL THRU BAKER 8K CBP @ 7388' IN 28 MIN W/ 150# INCREASE PLUG # 7] CONTINUE TO RIH TAG SAND @ 7535' (35' FILL) C/O & DRILL THRU BAKER 8K CBP @ 7570' IN 29 MIN W/ 100 PSI INCREASE PLUG #8] CONTINUE TO RIH TAG SAND @ 7766' (30' FILL) C/O & DRILL THRU BAKER 8K CBP @ 7796' IN 17 MIN W/ 500 PSI INCREASE CONTINUE TO RIH TAG PBD @ 8625' CIRC CLEAN RD PWR SWVL, LD 21 JNTS, LAND TUBING ON HANGER EOT @ 7987.28, RD FLOOR & TUBING EQUIP, ND BOPS, NU WELLHEAD PUMP OFF BIT @ 1700 PSI SWI TO MAKE REPAIRS ON RED WELL, OPEN WELL & TURN OVER TO FLOW BACK CREW @ 16:00 W/ 12727 BBLs PUMPED, RIG REC 5700 BBLs, 7027 BBLs LEFT TO REC. KB= 13.00 HANGER= 1.00 252 JNTS= 7971.28 POBS= 2.20 EOT= 7987.48
1/28/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2600#, TP 1800#, 20/64" CK, 35 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 6225 BBLs LEFT TO RECOVER: 6502
1/29/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1950#, TP 1700#, 20/64" CK, 28 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 6972 BBLs LEFT TO RECOVER: 5755
	13:00 -		PROD	50				WELL TURNED TO SALES @ 1300 HR 1/29/2010 - 2100 MCFD, 600 BWPD, CP 2650#, FTP 1625#, CK 20/64"
1/30/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2400#, TP 1950#, 20/64" CK, 33 BWPH, TRACE SAND, 2062 GAS TTL BBLs RECOVERED: 7552 BBLs LEFT TO RECOVER: 5175
1/31/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2350#, TP 1500#, 20/64" CK, 15 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 7964 BBLs LEFT TO RECOVER: 4763
2/1/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2400#, TP 1400#, 20/64" CK, 11 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 8294 BBLs LEFT TO RECOVER: 4433

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009		Spud Date: 9/4/2009	
Project: UTAH-UINTAH		Site: NBU 922-36M PAD		Rig Name No: LEED 698/698	
Event: COMPLETION		Start Date: 12/4/2009		End Date:	
Active Datum: RKB @4,981.00ft (above Mean Sea Level)		UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/2/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 3100#, TP 1500#, 16/64" CK, 8 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 8508 BBLS LEFT TO RECOVER: 4219
2/9/2010	7:00 -		PROD	50				WELL IP'D ON 2/9/10 - 1968 MCFD, 0 BOPD, 120 BWPD, CP 1428#, FTP 1744#, CK 18/64", LP 87#, 24 HRSP

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 922-36M3T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047503660000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0538 FSL 0433 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/27/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Wellhead Repair"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.</p> <div style="text-align: right;"> <p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: <u>07/11/2011</u></p> <p>By: <u><i>Dark K. Quist</i></u></p> </div>		
NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 6/27/2011

WORKORDER #:

Name: NBU 922-36M3T - [922-36M PAD]
Surface Location: SWSW Sec. 36, T9S, R22E
 Uintah County, UT

6/23/2011

API: 4304750366 **LEASE#:** ML-22650

ELEVATIONS: 4968' GL 4981' KB

TOTAL DEPTH: 8685' **PBTD:** 8626'

SURFACE CASING: 9 5/8", 36# J-55 @ 2134'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8669'
 TOC @ 152' per CBL

PERFORATIONS: Wasatch 5840' - 6092'
 Mesaverde 6722' - 8578'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1127' Green River
 1746' Mahogany
 4228' Wasatch
 6394' Mesaverde

NBU 922-36M3T- WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

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

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~5790'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

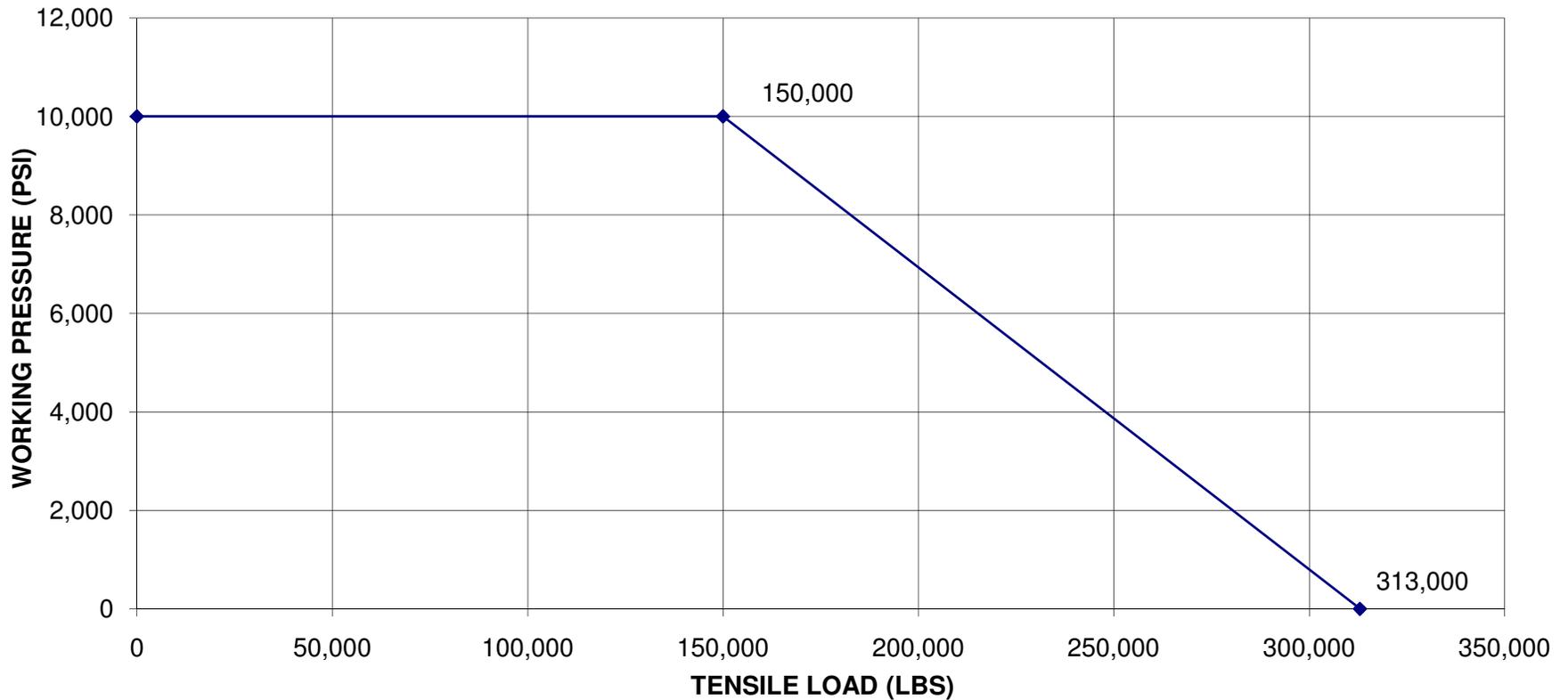
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshoot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshoot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOO H.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~5740'. Clean out to PBSD (8626').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

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

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~5740'. Clean out to PBSD (8626').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

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



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

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

DATA BY SLS 11/16/2009

RECEIVED Jun. 27, 2011

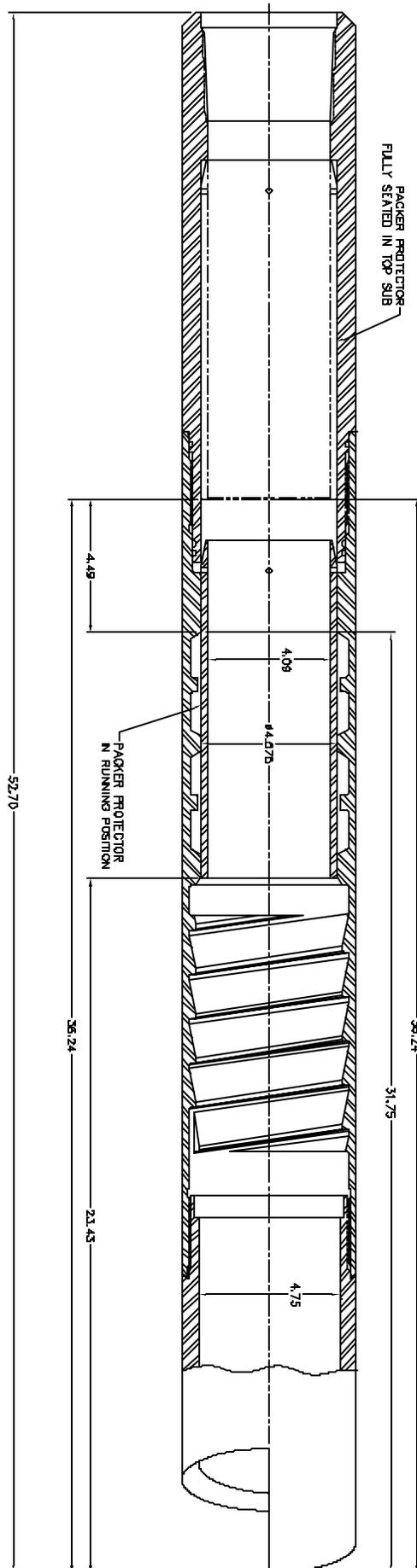


Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

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

Follow recommended Make-Up Torque as provided in chart.



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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22650	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 922-36M3T	
9. API NUMBER: 43047503660000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL Gas Well	3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0538 FSL 0433 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 09.0S Range: 22.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/2/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator has concluded the wellhead/casing repairs on the subject well location. Please see the attached chronological history for the details of the operations.

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

FOR RECORD ONLY

January 24, 2012

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 1/24/2012	

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-36M3T (YELLOW)		Spud Conductor: 8/26/2009		Spud Date: 9/4/2009				
Project: UTAH-UINTAH			Site: NBU 922-36M PAD			Rig Name No: SWABBCO 6/6		
Event: WELL WORK EXPENSE			Start Date: 8/31/2011			End Date: 9/2/2011		
Active Datum: RKB @4,981.00ft (above Mean Sea Level)				UWI: SW/SW/0/9/S/22/E/36/0/0/26/PM/S/538.00/W/0/433.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/31/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= MOVE RIG & EQUIP
	7:15 - 17:00	9.75	WO/REP	30		P		FWP= 50 PSI RD RIG MOVE RU CONT TUB W/ 20 BBLs TMAC ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP CONT CAS W/ 20 BBLs TMAC UNLAND TUBING LD HNGE POOH W/ 252 JNTS JD 10 JNTS DUE TO INT SCALE LD BHA RU W/L RIH W/ GUAGE RNG TO 5800' PU CIBP RIH SET @ 5790' DUMP BAIL 2 SKS CEM ON CIBP FILL HOLE W/ TMAC PRESS TEST TO 500# SIW PREP TO REPAIR W/H IN AM SDFN
9/1/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= PRESS TEST
	7:15 - 17:00	9.75	WO/REP	30		P		SIWP=0 PSI PU INT CUTTER RIH TRY TO CUT 1' BELOW HANGER CUTTER COULDNT CUT P-110 PUP DROP BELOW PUP CUT CSG 2 MIN RUN PLUMB BOB TAG CEN @ 36' CALL FOE PATCH RIH OVER CSG PUSH ON STRING PULL 90000# NU & TEST TO 3500# NU WELLHEAD & BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" ROCK BIT RIH TAG CEM @ 5760' PREP TO DRILL SIW SDFN
9/2/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= FOAMING
	7:15 - 18:00	10.75	WO/REP	30		P		SIWP= 0 PSI NU FOAMER EST CIRC C/O & DRILL THRU CEM & CIBP @ 5790' CIRC CLEAN CONTINUE TO RIH TAG FILL @ 8560' COULDNT MAKE HOLE SUSPECT BIT SUB CIRC CLEAN LD 19 JNTS RD PWR SWVL CONTINUE TO POOH LD BIT PU 1.87 XN RIH LAND TUBING W/ 252 JNTS EOT @ 7987.50' RU RIH W/ BROACH TO XN RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW SDFW

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
 Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750367	NBU 922-36N4BS		SWSW	36	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	8/26/2009		8/27/09		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 08/26/2009 AT 11:00 HRS. <i>BHL = SESW</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750366	NBU 922-36M3T		SWSW	36	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	8/26/2009		8/27/09		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 08/26/2009 AT 13:00 HRS. <i>BHL = SWSW</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750368	NBU 922-36L4BS		SWSW	36	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	8/26/2009		8/27/09		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 08/26/2009 AT 15:00 HRS. <i>BHL = NWSW</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)

ANDY LYTLE

Name (Please Print)

Signature

REGULATORY ANALYST

Title

8/27/2009

Date

RECEIVED

AUG 27 2009