

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

FORM 3

AMENDED REPORT

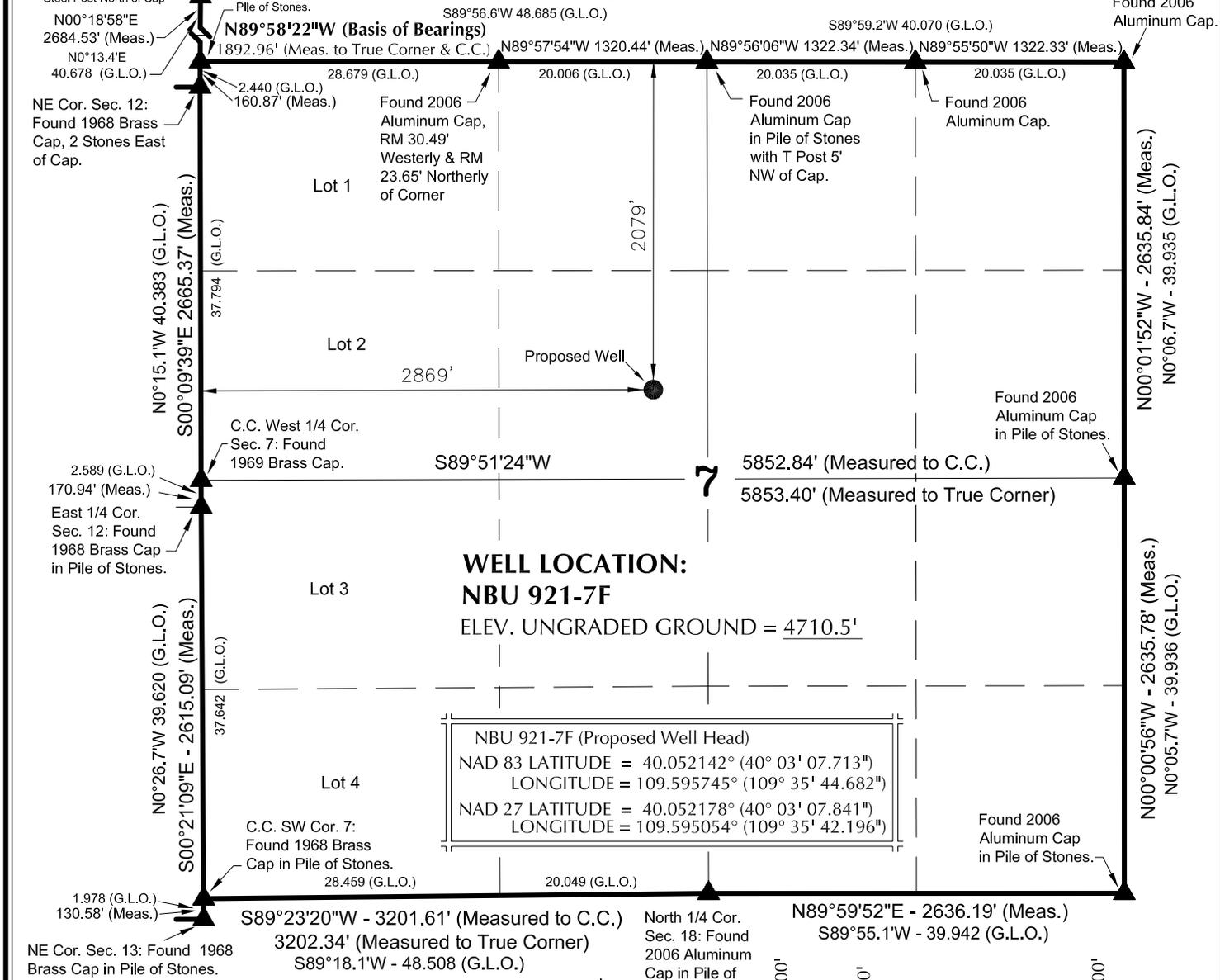
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NBU 921-7F	
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES	
4. TYPE OF WELL Gas Well Coalbed Methane 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) UTU 0575B			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input 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') Ute Tribe			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	2079 FNL 2869 FWL	SEnw	7	9.0 S	21.0 E	S	
Top of Uppermost Producing Zone	2079 FNL 2869 FWL	SEnw	7	9.0 S	21.0 E	S	
At Total Depth	2079 FNL 2869 FWL	SEnw	7	9.0 S	21.0 E	S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 2079		23. NUMBER OF ACRES IN DRILLING UNIT 811		
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 900		26. PROPOSED DEPTH MD: 10738 TVD: 10738		
27. ELEVATION - GROUND LEVEL 4711			28. BOND NUMBER WYB000291		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 Danielle Piernot			TITLE Regulatory Analyst			PHONE 720 929-6156	
SIGNATURE			DATE 09/11/2009			EMAIL danielle.piernot@anadarko.com	
API NUMBER ASSIGNED 43047507310000			APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	10738		
Pipe	Grade	Length	Weight			
	Grade HCP-110 LT&C	1138	11.6			
	Grade I-80 Buttress	9600	11.6			

Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2830		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	2830	36.0			

T9S, R21E, S.L.B.&M.

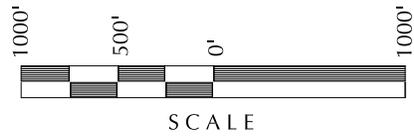


WELL LOCATION:
NBU 921-7F
 ELEV. UNGRADED GROUND = 4710.5'

NBU 921-7F (Proposed Well Head)
 NAD 83 LATITUDE = 40.052142° (40° 03' 07.713'')
 LONGITUDE = 109.595745° (109° 35' 44.682'')
 NAD 27 LATITUDE = 40.052178° (40° 03' 07.841'')
 LONGITUDE = 109.595054° (109° 35' 42.196'')

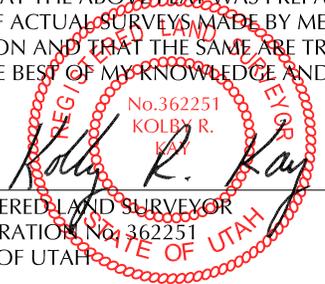
NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.
- 4. Basis of elevation is Tri-Sta "Two Water" located in the NW 1/4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S CERTIFICATE

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



REGISTERED LAND SURVEYOR
 REGISTRATION No. 362251
 STATE OF UTAH

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

WELL PAD - NBU 921-7F

NBU 921-7F
WELL PLAT
2079' FNL, 2869' FWL
SE 1/4 NW 1/4 OF SECTION 7, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.



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

TIMBERLINE		(435) 789-1365
ENGINEERING & LAND SURVEYING, INC.		
209 NORTH 300 WEST - VERNAL, UTAH 84078		
DATE SURVEYED: 04-16-09	SURVEYED BY: M.S.B.	SHEET NO: 1
DATE DRAWN: 04-17-09	DRAWN BY: E.M.S.	
SCALE: 1" = 1000'	Date Last Revised:	1 OF 9

NBU 921-7F

Surface: 2,079' FNL 2,869' FWL (SE/4NW/4)
Sec. 7 T9S R21E

Uintah, Utah
Mineral Lease: UTU 0575B

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	1,800'	
Birds Nest	2,108'	Water
Mahogany	2,627'	Water
Wasatch	5,281'	Gas
Mesaverde	8,457'	Gas
MVU2	9,459'	Gas
MVL1	9,967'	Gas
TD	10,738'	

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 10,738' TD, approximately equals 6,690 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4,328 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

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

9. Variances:

Please refer to the attached Drilling Program.

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.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). The air rig operation utilizes a 5M BOPE when drilling. This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

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'				3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2830	36.00	J-55	LTC	0.79*	1.53	4.45
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	1.75	1.04	2.74
		9600 to 10738	11.60	HCP-110	LTC	2.40	1.27	25.98

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 1.97

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))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 12.2 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 4,328 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
 (Burst Assumptions: TD = 12.2 ppg) 0.62 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 6,690 psi

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1 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 LEAD	2,330'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	260	35%	11.00	3.82
Option 2 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	4,778'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	460	40%	11.00	3.38
PRODUCTION TAIL	5,960'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1460	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

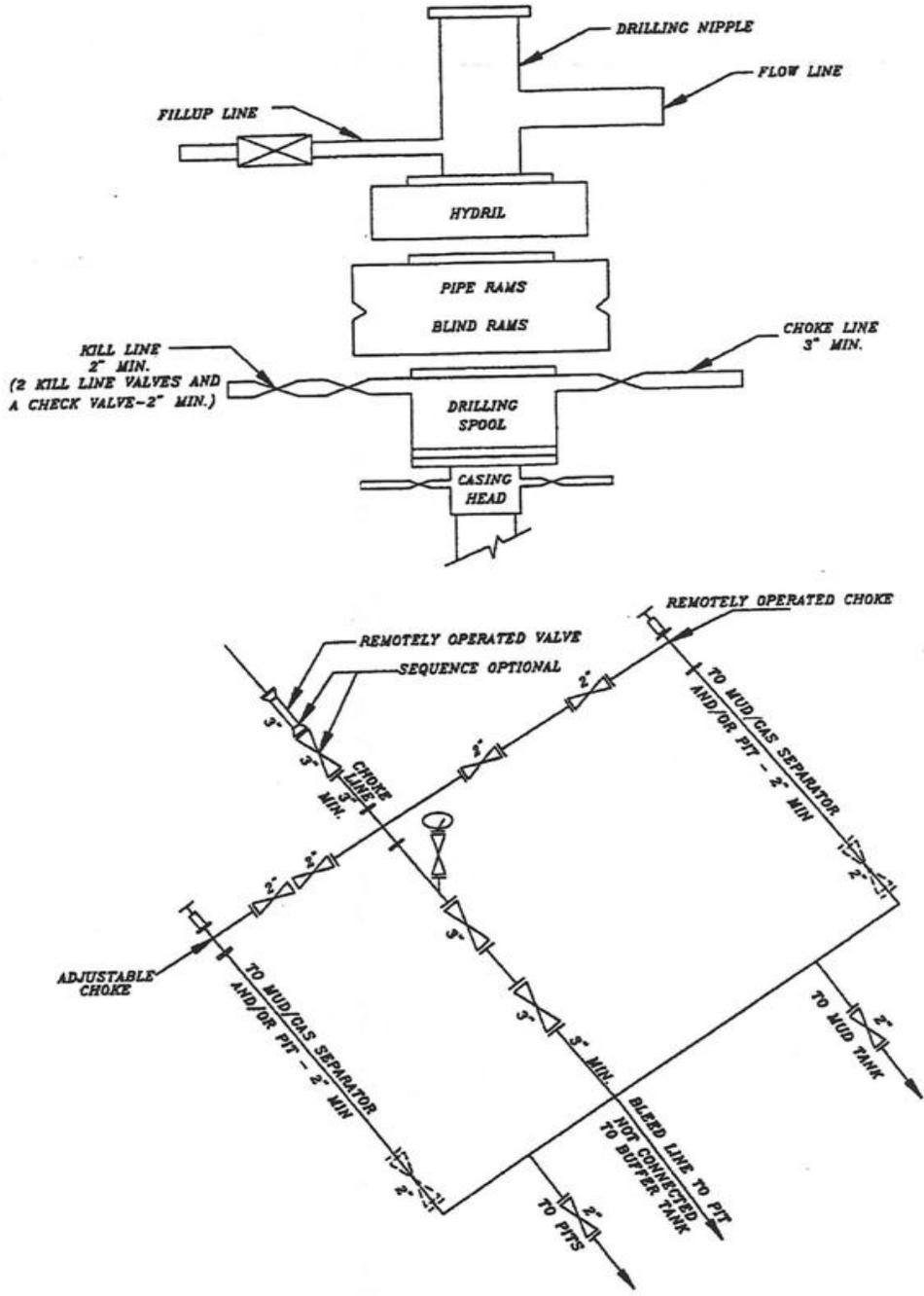
SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint for a total of 15 bow spring centralizers.

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

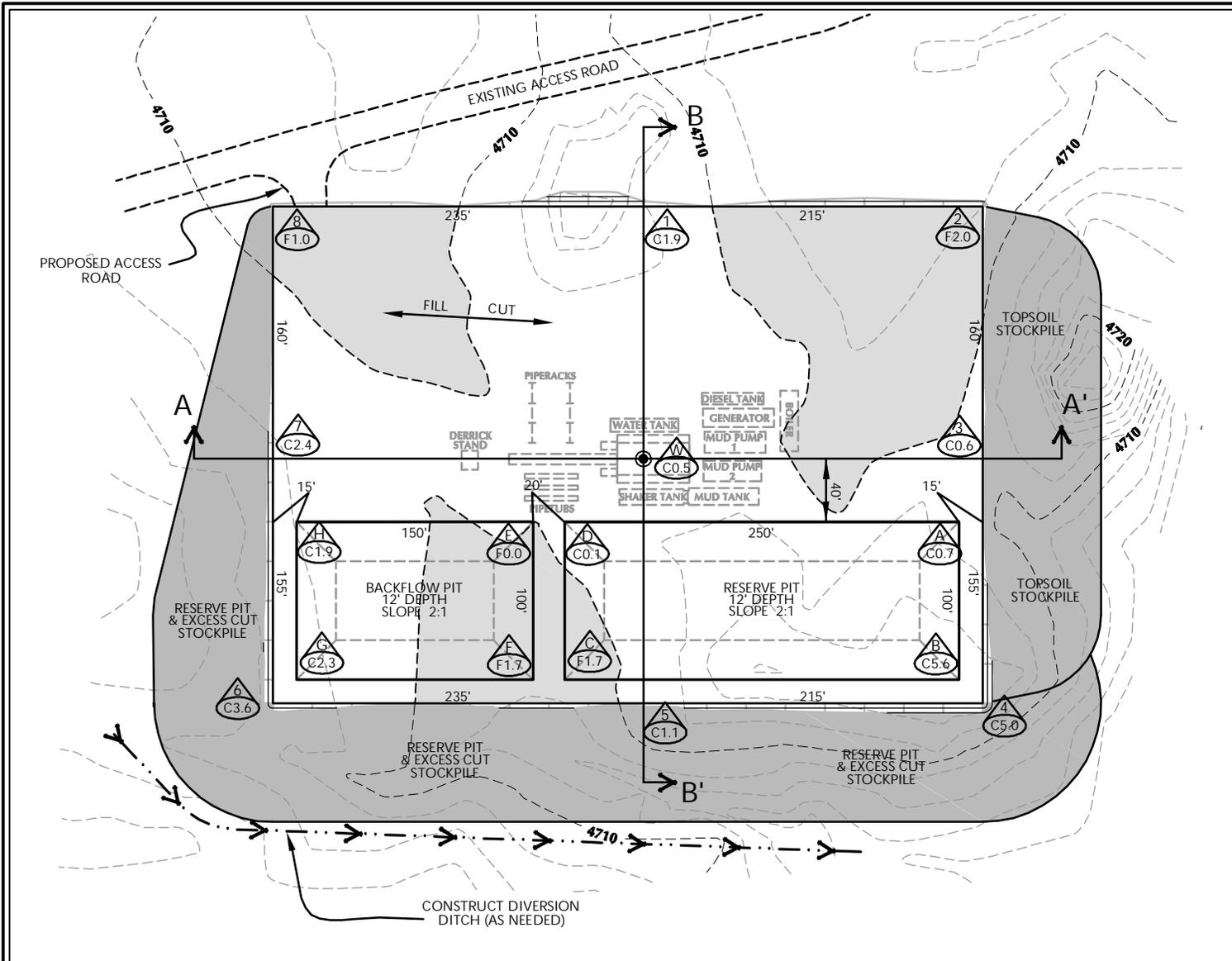
EXHIBIT A NBU 921-7F



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

'APIWellNo:43047507310000'

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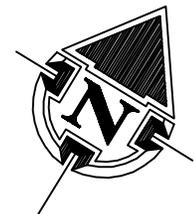
WELL PAD LEGEND

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

WELL PAD NBU 921-7F QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,710.5'
 FINISHED GRADE ELEVATION = 4,710.0'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 4,223 C.Y.
 TOTAL FILL FOR WELL PAD = 2,742 C.Y.
 TOPSOIL @ 6" DEPTH = 2,715 C.Y.
 EXCESS MATERIAL = 1,481 C.Y.
 TOTAL PAD DISTURBANCE = 3.37 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00
 RESERVE PIT CAPACITY (2' OF FREEBOARD)
 +/- 28,730 BARRELS
 RESERVE PIT VOLUME
 +/- 7,720 CY
 BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
 +/- 15,900 BARRELS
 BACKFLOW PIT VOLUME
 +/- 4,350 CY



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

WELL PAD - NBU 921-7F

WELL PAD - LOCATION LAYOUT
 NBU 921-7F

2079' FNL, 2869' FWL
 SE1/4 NW1/4 OF SECTION 7, T9S, R21E
 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: 4/24/09

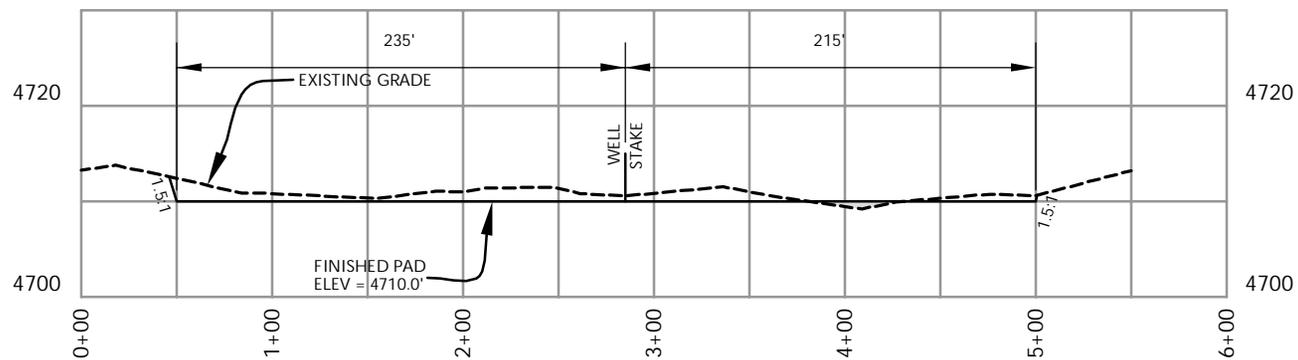
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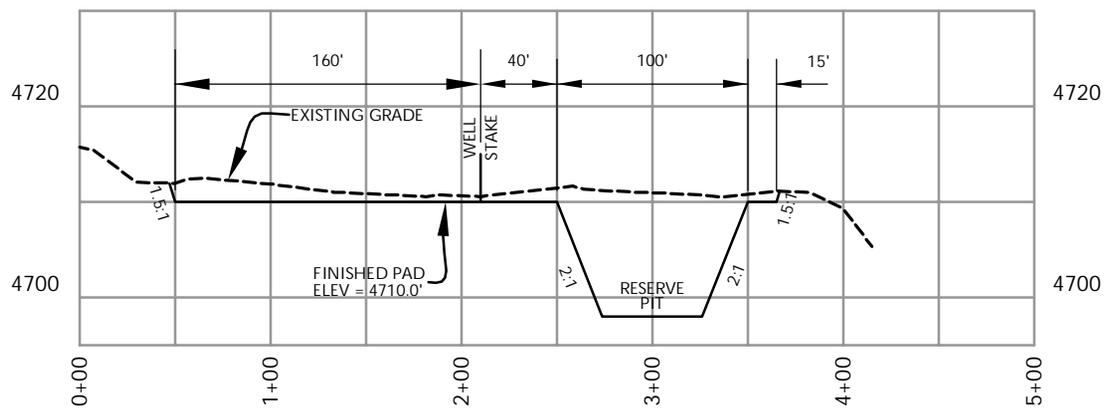
2 OF 9

REVISED:

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



CROSS SECTION A-A'



CROSS SECTION B-B'

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

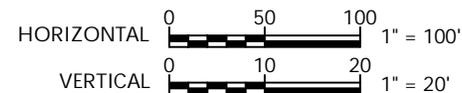
WELL PAD - NBU 921-7F

WELL PAD - CROSS SECTIONS
NBU 921-7F

2079' FNL, 2869' FWL
SE1/4 NW1/4 OF SECTION 7, T9S, R21E
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: 4/24/09

SHEET NO:

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3 OF 9

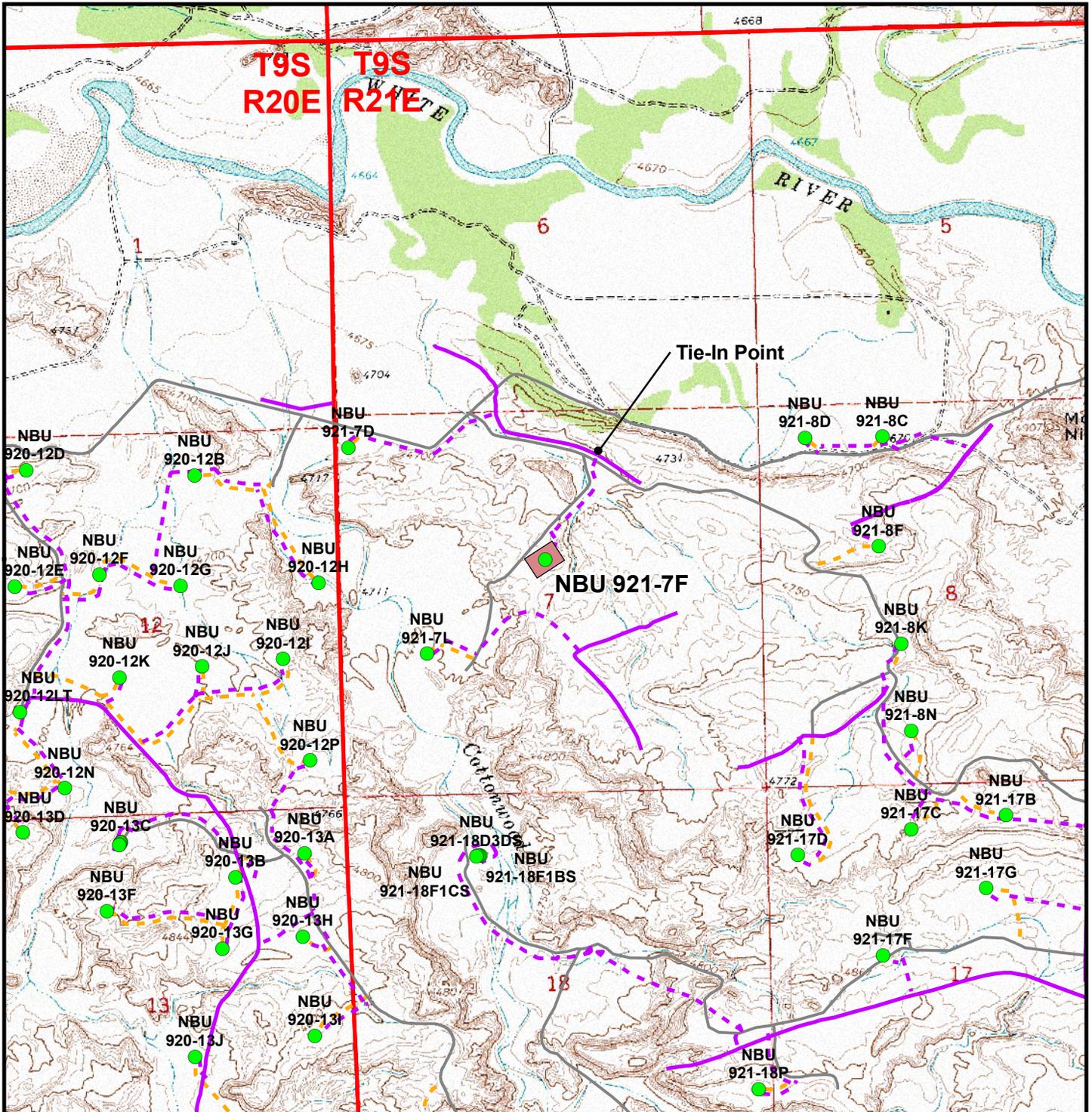
TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

REVISED:









Legend

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

Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±1,460ft
 Proposed Pipeline Length Around Pad: ±660ft

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

Well Pad - NBU 921-7F
NBU 921-7F

Topo D
2079' FNL, 2869' FWL
SE¼ NW¼, Section 7, T9S, R21E
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" = 2,000ft	NAD83 USP Central
Drawn: JELo	Date: 27 April 2009
Revised:	Date:

Sheet No:	8	8 of 9
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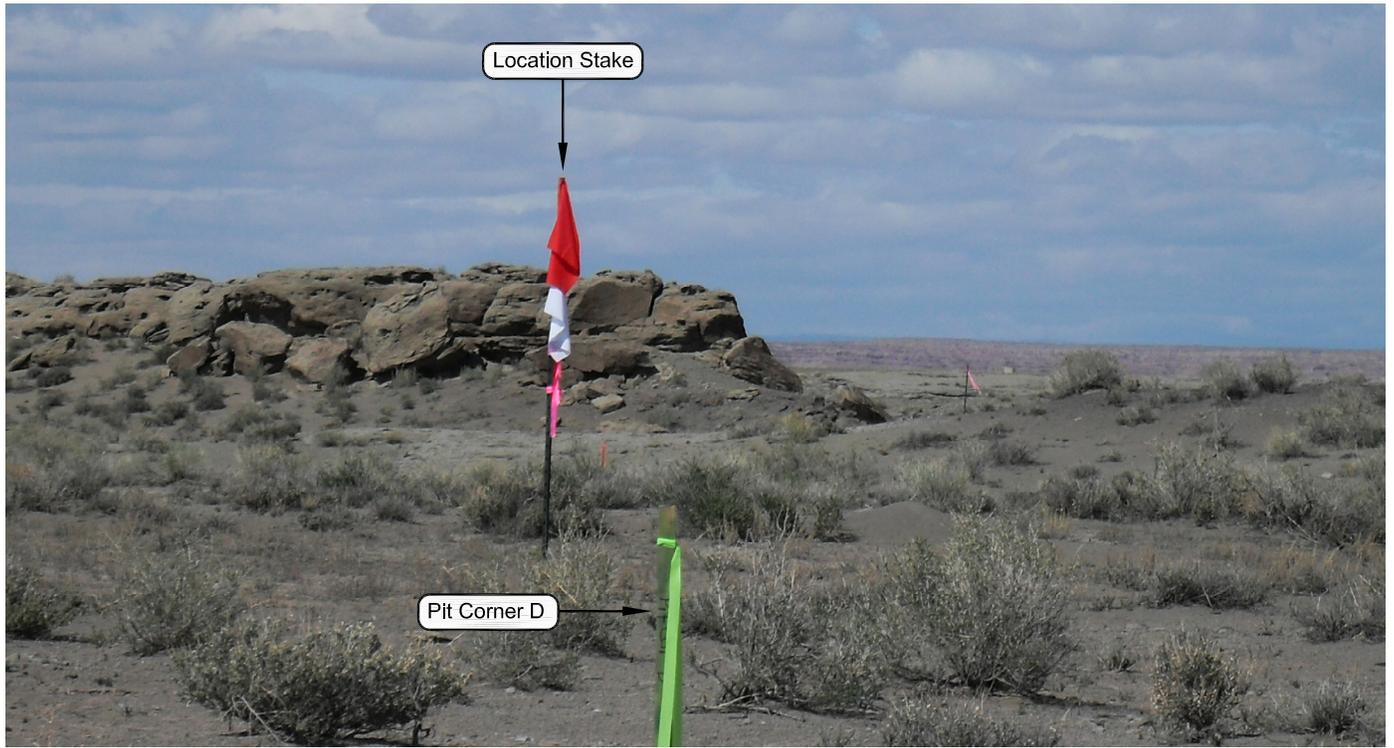


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

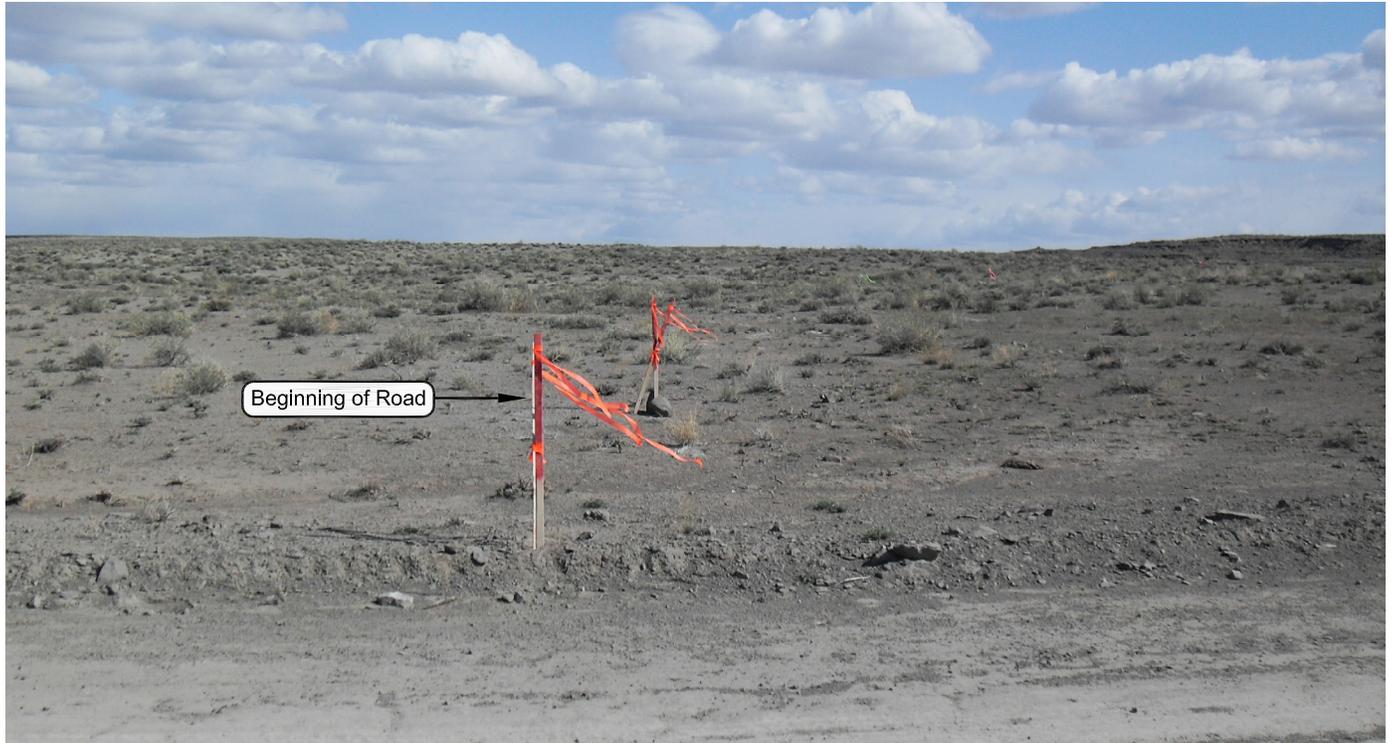


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHEASTERLY

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

Well Pad - NBU 921-7F

**NBU 921-7F
 LOCATION PHOTOS
 2079' FNL, 2869' FWL
 SE 1/4 NW 1/4 OF SECTION 7, T9S, R21E,
 S.L.B.&M., UINTAH COUNTY, UTAH.**



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 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 04-16-09	PHOTOS TAKEN BY: M.S.B.	SHEET NO: 4 4 OF 9
DATE DRAWN: 04-17-09	DRAWN BY: E.M.S.	
Date Last Revised:		

Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – NBU 921-7F
WELL - NBU 921-7F
Section 7, T9S, R21E, 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 3.0 MILES TO A SERVICE ROAD TO THE EAST. EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION ALONG THE SERVICE ROAD APPROXIMATELY 1.1 MILES TO A SECOND SERVICE ROAD TO THE NORTHEAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG THE SECOND SERVICE ROAD APPROXIMATELY 2.4 MILES TO A THIRD SERVICE ROAD TO THE EAST. EXIT RIGHT AND PROCEED IN AN EAST BY SOUTHEAST DIRECTION ALONG THE THIRD SERVICE ROAD APPROXIMATELY 1.8 MILES TO A FOURTH SERVICE ROAD TO THE SOUTHEAST. EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG THE FOURTH SERVICE ROAD APPROXIMATELY 0.3 MILES TO A FIFTH SERVICE ROAD TO THE SOUTH. EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION ALONG THE FIFTH SERVICE ROAD APPROXIMATELY 0.3 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 30 FEET TO THE PROPOSED WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 39.6 MILES IN A SOUTHERLY DIRECTION.

NBU 921-7F

Surface: 2,079' FNL 2,869' FWL (SE/4NW/4)
Sec. 7 T9S R21E

Uintah, Utah
Mineral Lease: UTU 0575B

Surface Owner: Ute Indian Tribe

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN
SUBMITTED WITH SITE-SPECIFIC INFORMATION***

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) and Bureau of Indian Affairs (BIA) documents. An NOS was submitted showing the surface location in SE/4 NW/4 of Section 7 T9S R21E.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BIA-Ft Duchesne Office.

An on-site meeting was held on August 27, 2009.

A. Existing Roads:

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

B. Planned Access Roads:

See MDP for additional details on road construction.

Approximately $\pm 30'$ (± 0.01 miles) of new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

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 and are typically shown on the attached Exhibits and Topo maps.

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

Please refer to Topo Map C.

D. Location of Existing and Proposed Facilities:

See MDP for additional details on Existing and Proposed Facilities.

The following guidelines will apply if the well is productive.

Approximately $\pm 2,120'$ (± 0.40 miles) of new pipeline is proposed for this well. Please refer to the attached Topo Map D for existing pipeline. Appropriate surface use agreements have been or will be obtained from the Ute Indian Tribe. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place

E. Location and Type of Water Supply:

See MDP for additional details on Location and Type of Water Supply.

Water for drilling purposes will be obtained from one of the following sources:

- Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, application number 53617.
- Price Water Pumping Inc. Green River and White River, various sources, Water Right Number 49-1659, application number: a35745.

No water well is to be drilled on this lease.

F. Source of Construction Materials:

See MDP for additional details on Source of Construction Materials.

G. Methods of Handling Waste Materials:

See MDP for additional details on Methods of Handling Waste Materials.

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

H. Ancillary Facilities:

See MDP for additional details on Ancillary Facilities.

None are anticipated.

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

See MDP for additional details on Well Site Layout.

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

- Net wire (39-inch) 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.

J. Plans for Reclamation of the Surface:

See MDP for additional details on Plans for Reclamation of the Surface.

Kerr-McGee shall call the BIA for the seed mixture prior to starting interim and/or final reclamation actions.

K. Surface/Mineral Ownership:

The well pad and access road are located on lands owned by:

Ute Indian Tribe
PO Box 70
Fort Duchesne, Utah 84026
435-722-5141

The mineral ownership is listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
435-781-4400

L. Other Information:

See MDP for additional details on Other Information.

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

Danielle Piernot
Regulatory Analyst I
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6156

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 Bureau of Land Management Nationwide Bond WYB000291.

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.



Danielle Piernot

September 10, 2009

Date

CLASS I REVIEW OF KERR-MCGEE OIL & GAS
ONSHORE LP'S 51 PROPOSED WELL LOCATIONS
(T9S, R21E, SECTIONS 7, 8, 10, 11, 12,
17, 18, 19, 20, 23, 25, AND 30)
IN UINTAH COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared For:

Ute Tribal Land
Uintah and Ouray Agency

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 09-39

May 11, 2009

United States Department of Interior (FLPMA)
Permit No. 09-UT-60122

Public Lands Policy Coordination Office
Archaeological Survey Permit No. 117

Ute Tribal Permit No. A09-363

IPC #09-79

Paleontological Reconnaissance Survey Report

**Survey of Kerr McGee's Proposed Well Pads, Access Roads and
Pipelines for "NBU #921-7D, 8C, D, F & 17B" (Sec. 12,
T 9 S, R 20 E) & (Sec. 6-8 & 17, T 9 S, R 21 E)**

Ouray SE
Topographic Quadrangle
Uintah County, Utah

June 22, 2009

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078



Grasslands Consulting, Inc.

4800 Happy Canyon Road, Suite 110, Denver, CO 80237

(303) 759-5377 Office (303) 759-5324 Fax

SPECIAL STATUS PLANT AND WILDLIFE SPECIES REPORT

Report #: GCI #69

Operator: Kerr-McGee Oil & Gas Onshore LP

Wells: NBU 921-7D, NBU 921-7F, NBU 921-7L

Pipelines: Associated pipelines to proposed well pads

Access Roads: Associated access roads to proposed well pads

Location: Section 07, Township 9 South, Range 21 East; Uintah County, Utah

Survey-Species: Uinta Basin Hookless Cactus (*Sclerocactus wetlandicus*)

Date: 07/02/2009

Observer(s): Grasslands Consulting, Inc. Biologists: Chris Gayer, Nick Hall, Dan Hamilton, and Jonathan Sexauer. Technicians: Chad Johnson, Dane Bartlett, and Daniel Ortiz,

Weather: Partly cloudy, 85-90°F, 0-5 mph winds with no precipitation.

API Number: 4304750731

Well Name: NBU 921-7F

Township 09.0 S Range 21.0 E Section 7

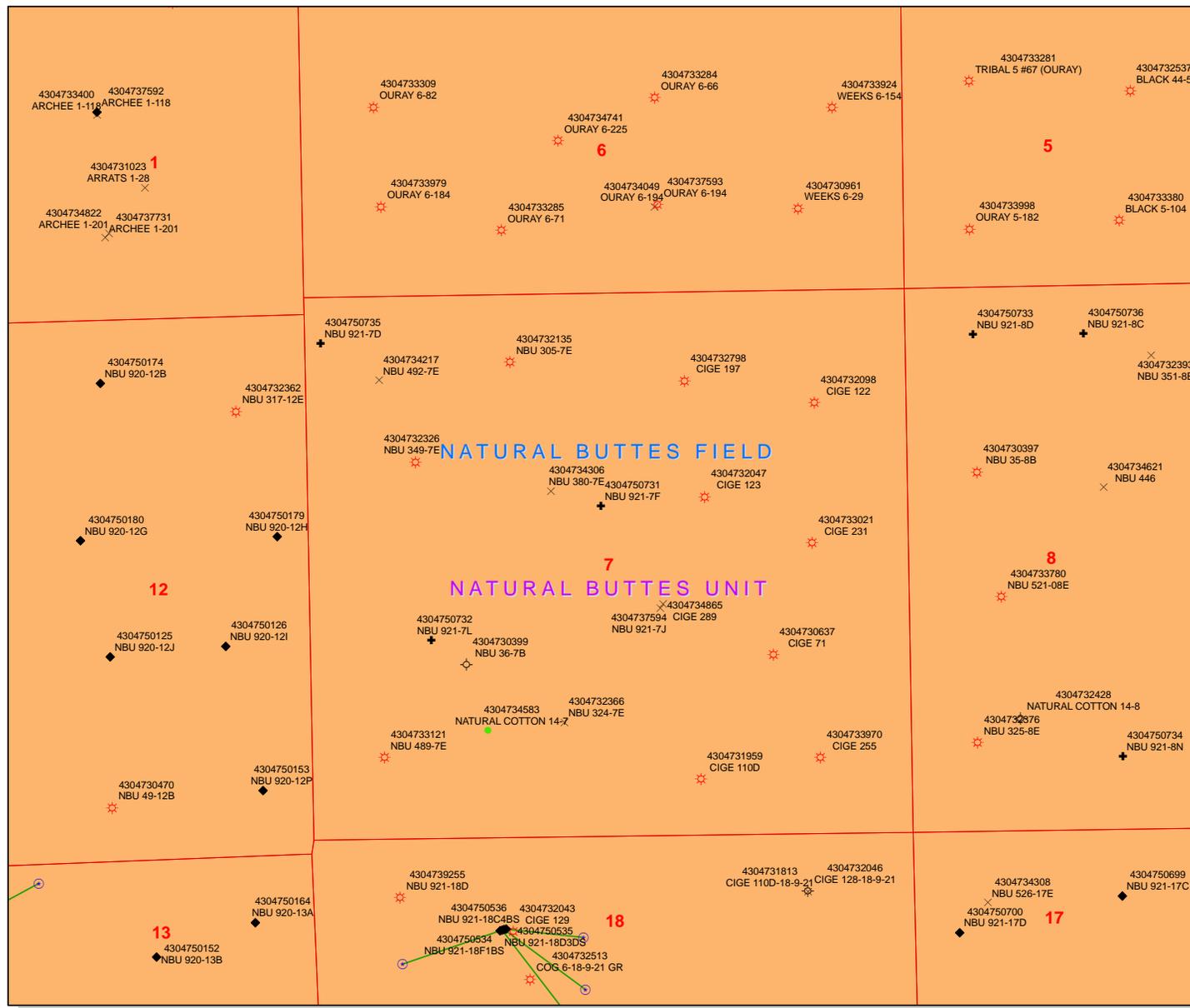
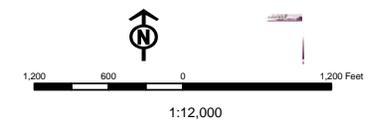
Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:

Map Produced by Diana Mason

Units	Wells Query Events
ACTIVE	-Null-
EXPLORATORY	APD
GAS STORAGE	DRL
NF PP OIL	GI
NF SECONDARY	GS
PI OIL	LA
PP GAS	NEW
PP GEOTHERM	OPS
PP OIL	PA
SECONDARY	PGW
TERMINATED	POW
Fields	RET
ACTIVE	SGW
COMBINED	SOW
Status	TA
ACTIVE	TW
COMBINED	WT
Sections	WS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

**3160
(UT-922)**

September 18, 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)		
43-047-50731	NBU 921-7F	Sec 07 T09S R21E 2079 FNL 2869 FWL
43-047-50732	NBU 921-7L	Sec 07 T09S R21E 1948 FSL 1196 FWL
43-047-50733	NBU 921-8D	Sec 08 T09S R21E 0469 FNL 0652 FWL
43-047-50734	NBU 921-8N	Sec 08 T09S R21E 0705 FSL 2033 FWL
43-047-50735	NBU 921-7D	Sec 07 T09S R21E 0463 FNL 0180 FWL
43-047-50736	NBU 921-8C	Sec 08 T09S R21E 0483 FNL 1729 FWL
43-047-50737	NBU 1022-9B4CS	Sec 09 T10S R22E 0228 FNL 2643 FWL
	BHL	Sec 09 T10S R22E 1100 FNL 1956 FEL
43-047-50738	NBU 1022-9C2DS	Sec 09 T10S R22E 0224 FNL 2563 FWL
	BHL	Sec 09 T10S R22E 0591 FNL 1782 FWL
43-047-50739	NBU 1022-9C3CS	Sec 09 T10S R22E 0225 FNL 2583 FWL
	BHL	Sec 09 T10S R22E 1131 FNL 1548 FWL
43-047-50740	NBU 1022-9C4DS	Sec 09 T10S R22E 0227 FNL 2623 FWL
	BHL	Sec 09 T10S R22E 1141 FNL 2505 FWL
43-047-50751	NBU 920-21G	Sec 21 T09S R20E 1998 FNL 2319 FEL

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-047-50752	NBU 1022-8L3CS	Sec 08 T10S R22E 1761 FSL 0309 FWL
	BHL	Sec 08 T10S R22E 1330 FSL 0005 FWL
43-047-50753	NBU 1022-8M3DS	Sec 08 T10S R22E 1765 FSL 0329 FWL
	BHL	Sec 08 T10S R22E 0245 FSL 0350 FWL
43-047-50754	NBU 1022-8N1DS	Sec 08 T10S R22E 1772 FSL 0368 FWL
	BHL	Sec 08 T10S R22E 0940 FSL 2635 FWL
43-047-50755	NBU 1022-8N2DS	Sec 08 T10S R22E 1769 FSL 0348 FWL
	BHL	Sec 08 T10S R22E 0735 FSL 1700 FWL
43-047-50756	NBU 1022-35I1CS	Sec 35 T10S R22E 2335 FSL 0650 FEL
	BHL	Sec 35 T10S R22E 2170 FSL 0460 FEL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:9-18-09

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 9/11/2009

API NO. ASSIGNED: 43047507310000

WELL NAME: NBU 921-7F

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

PHONE NUMBER: 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: SENW 7 090S 210E

Permit Tech Review:

SURFACE: 2079 FNL 2869 FWL

Engineering Review:

BOTTOM: 2079 FNL 2869 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.05213

LONGITUDE: -109.59506

UTM SURF EASTINGS: 619839.00

NORTHINGS: 4434279.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 0575B

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000291
- 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

Commingling 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: 3 - Commingling - ddoucet
4 - Federal Approval - dmason
17 - Oil Shale 190-5(b) - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
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 921-7F
API Well Number: 43047507310000
Lease Number: UTU 0575B
Surface Owner: INDIAN
Approval Date: 9/29/2009

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

Commingle:

In accordance with Board Cause No. 173-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well 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:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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.

Notification Requirements:

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

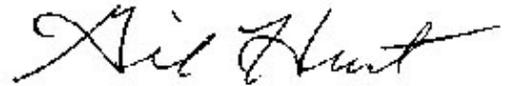
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink that reads "Gil Hunt". The signature is written in a cursive, flowing style.

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: UTU 0575B
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: Ute Tr
1. TYPE OF WELL Gas Well	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	8. WELL NAME and NUMBER: NBU 921-7F
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	9. API NUMBER: 43047507310000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E 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: 9/30/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

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

Date: October 06, 2010
By: 

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 9/29/2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047507310000

API: 43047507310000

Well Name: NBU 921-7F

Location: 2079 FNL 2869 FWL QTR SENW SEC 07 TWP 090S RNG 210E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 9/29/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

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

Signature: Danielle Piernot

Date: 9/29/2010

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: October 06, 2010

By: 

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B
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: Ute Tr
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-7F	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047507310000	
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: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E 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: 8/22/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input 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 checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.</p>		
		<p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: <u>08/22/2011</u></p> <p>By: <u></u></p>
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/22/2011	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047507310000

API: 43047507310000

Well Name: NBU 921-7F

Location: 2079 FNL 2869 FWL QTR SENW SEC 07 TWP 090S RNG 210E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 9/29/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Andy Lytle

Date: 8/22/2011

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 14 2009
re

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU0575B
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERRMCGEE OIL&GAS ONSHORE LP Contact: DANIELLE E PIERNOT Email: Danielle.Piernot@anadarko.com		7. If Unit or CA Agreement, Name and No. 891008900A
3a. Address PO BOX 173779 DENVER, CO 80202-3779		8. Lease Name and Well No. NBU 921-7F
3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156		9. API Well No. <i>43-047-50731</i>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 2079FNL 2869FWL 40.05214 N Lat, 109.59574 W Lon At proposed prod. zone SENW 2079FNL 2869FWL 40.05214 N Lat, 109.59574 W Lon		10. Field and Pool, or Exploratory NATURAL BUTTES
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 9 MILES SOUTHEAST OF OURAY, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 7 T9S R21E Mer SLB
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2079 FEET	16. No. of Acres in Lease 811.02	12. County or Parish UINTAH
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 900 FEET	19. Proposed Depth 10738 MD 10738 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4711 GL	22. Approximate date work will start 09/28/2009	17. Spacing Unit dedicated to this well
		20. BLM/BIA Bond No. on file WYB000291
		23. Estimated duration 60-90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) DANIELLE E PIERNOT Ph: 720-929-6156	Date 09/11/2009
Title REGULATORY ANALYST		
Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) Jerry Kenczka	Date JUL 29 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

Additional Operator Remarks (see next page)

Electronic Submission #74149 verified by the BLM Well Information System
For KERRMCGEE OIL&GAS ONSHORE LP, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 09/11/2009

RECEIVED
AUG 15 2011



NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

DIV. OF OIL, GAS & MINING
NOS and posted 9/27/09

AFMSS# _____

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

ARRPH0262AE



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Kerr McGee Oil & Gas Onshore LP	Location:	SENW, Sec. 7, T9S R21E
Well No:	NBU 921-7F	Lease No:	UTU-0575B
API No:	43-047-507321	Agreement:	Natural Buttes Unit

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

Site-Specific Conditions of Approval:

- Paint facilities "Shadow Gray."
- Monitor location by a permitted archaeologist during the construction process.
- Monitor by a permitted paleontologist during the construction process.
- Route stormwater as depicted on location layout plat.
- Bury pipeline under drainages.
- Re-route existing pipeline on northwest side of pad.
- In accordance with the guidelines specified in the Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix D), a raptor survey should be conducted prior to construction of the proposed location, pipeline, or access road if construction would take place during raptor nesting season (January 1 through September 30). If active raptor nests are identified during the survey, LMG should conduct its operations according to the seasonal restrictions detailed in the Uintah Basin-specific RMP guidelines and spatial offsets specified by the USFWS Utah Raptor Guidelines (See Appendix D).
- Conduct a new biological survey in accordance with the guidelines specified in the USFWS Rare Plant Conservation Measures for Uinta Basin hookless cactus and the 2008 BLM RMP Rod, to include a 300 foot buffer from proposed construction operations (See Appendix D), and conduct operations according to agency specifications and the requirements of the BO issued as a result of Section 7 USFWS consultation.

BIA Standard Conditions of Approval:

- Soil erosion will be mitigated by reseeding all disturbed areas.
- The gathering pipelines will be constructed to lie on the surface. The surface pipelines will not be bladed or cleared of vegetation. Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way. Where pipelines do not parallel roads but cross-country between sites, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

- An open drilling system shall be used, unless otherwise specified in 10.0 Additional Stipulations of this document and in the Application for Permit to Drill. A closed drilling system shall be used in all flood plain areas, and other highly sensitive areas, recommended by the Ute Tribe Technician, BIA, and other agencies involved.
- The reserve pit shall be lined with a synthetic leak proof liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed the pit shall be backfilled a minimum of 3.0' below the soil surface elevation.
- A closed production system shall be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.
- Major low water crossings will be armored with pit run material to protect them from erosion.
- All personnel should refrain from collecting any paleontological fossils and from disturbing any fossil resources in the area.
- If fossils are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.
- Before the site is abandoned the company will be required to restore the right-of-way to near its original state. The disturbed area will be reseeded with desirable perennial vegetation. If necessary, the Bureau of Indian Affairs or Bureau of Land Management will provide a suitable seed mixture.
- Noxious weeds will be controlled on all surface disturbances within the project area. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.
- If project construction operations are scheduled to occur after December 31, 2009, KMG should conduct annual raptor surveys in accordance with the guidelines specified in the Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002. If active raptor nest are indentified during a new survey, KMG should conduct its operations according to the seasonal restrictions detailed in the Uinta basin-specific RMP guidelines and spatial offsets specified by the USFWS Utah Raptor Guidelines (See Appendix D).
- USFWS threatened and endangered plant and animal conservation measures will be followed, as appropriate to the species identified by the biological resource survey (See Appendix D).
- All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
- If artifacts or any culturally sensitive materials are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.

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

SITE SPECIFIC DOWNHOLE COAs:

- Gamma Ray Log shall be run from Total Depth to Surface.

Variances Granted

Air Drilling

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- Mud Material Requirements. In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.
- FIT test. Variance granted due to knowledge of geology and problems that can occur with FIT test.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 921-7F
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047507310000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> APD EXTENSION	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/31/2012	OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
MIRU TRIPPLE A BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 01/31/2012 AT 1400 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 01, 2012		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 2/1/2012	

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By SHEILA WOPSOCK Phone Number 435.781.7024
Well Name/Number NBU 921-7F
Qtr/Qtr SE/NW Section 7 Township 9S Range 21E
Lease Serial Number UTU-0575B
API Number 4304750731

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 01/31/2012 0800 HRS AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

RECEIVED
JAN 31 2012
DIV. OF OIL, GAS & MINING

Date/Time 03/17/2012 0800 HRS AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time _____ AM PM

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT
LOVEL YOUNG AT 435.781.7051 FOR MORE

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750732	NBU 921-7L		NWSW	7	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	2900	1/31/2012			2/3/12	
Comments: MIRU TRIPPLE A BUCKET RIG. WSMVD SPUD WELL ON 01/31/2012 AT 0900 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750731	NBU 921-7F		SESW	7	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	2900	1/31/2012			2/3/12	
Comments: MIRU TRIPPLE A BUCKET RIG. WSMVD SPUD WELL ON 01/31/2012 AT 1400 HRS							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750148	NBU 920-24P		SESE	24	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	2900	2/1/2012			2/3/12	
Comments: MIRU TRIPPLE A BUCKET RIG. WSMVD SPUD WELL ON 02/01/2012 AT 0730 HRS							

ACTION CODES:

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

SHEILA WOPSOCK

Name (Please Print)

Signature

REGULATORY ANALYST

Title

2/1/2012

Date

RECEIVED

FEB 01 2012

(5/2000)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B																														
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE																														
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES																														
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 921-7F																														
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047507310000																														
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. FIELD and POOL or WILDCAT: NATURAL BUTTES																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E Meridian: S		COUNTY: UINTAH																														
		STATE: UTAH																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION	TYPE OF ACTION																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/18/2012	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.																																
MIRU AIR RIG ON FEBRUARY 16, 2012. DRILLED SURFACE HOLE TO 3,137'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT.		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 21, 2012																														
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst																														
SIGNATURE N/A	DATE 2/19/2012																															

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B
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TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/16/2012 <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 checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval to deepen the well to the Blackhawk formation (part of the Mesaverde Group). The Operator also requests approval for closed loop drilling option, surface casing change and production casing change. All other aspects of the previously approved drilling plan will not change. Please see the attachment. Thank you.

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

Date: March 26, 2012

By: 

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/16/2012	

Kerr-McGee Oil & Gas Onshore. L.P.**NBU 921-7F**

Surface: 2079 FNL / 2869 FWL SENW

Section 7 T9S R21E

Unitah County, Utah
Mineral Lease: UTU 0575B**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	1,752'	
Birds Nest	2,078'	Water
Mahogany	2,682'	Water
Wasatch	5,279'	Gas
Mesaverde	8,438'	Gas
Sego	10,743'	Gas
Castlegate	10,823'	Gas
Blackhawk	11,182'	Gas
TVD	11,782'	
TD	11,782'	

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 bottom hole pressure calculated at 11782' TVD, approximately equals
7,776 psi (0.66 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 5,238 psi (bottom hole pressure
minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-
(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

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

9. Variances:

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 for the first 200 feet, then will drill a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 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 8-5/8 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.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

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.

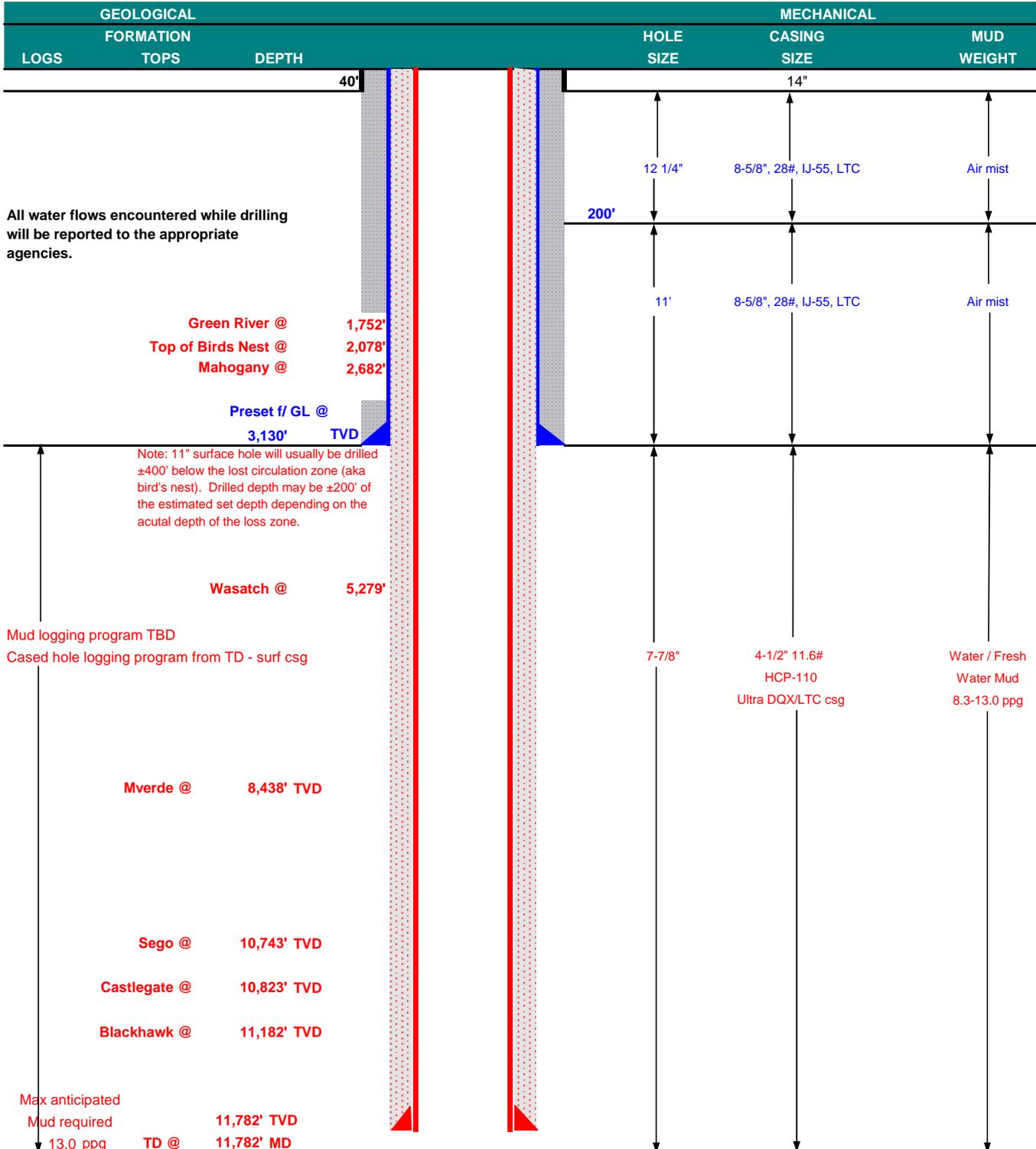
10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	March 16, 2012			
WELL NAME	NBU 921-7F		TD	11,782'	TVD	11,782' MD	
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	FINISHED ELEVATION	4,710'
SURFACE LOCATION	SENW	2079 FNL	2869 FWL	Sec 7	T 9S	R 21E	
	Latitude: 40.052142		Longitude: -109.595745		NAD 83		
OBJECTIVE ZONE(S)	BLACKHAWK (Part of the Mesaverde Group)						
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), Ute Tribe (Surface), UDOGM Tri-County Health Dept.						





KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

							DESIGN FACTORS			
							LTC		DQX	
	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION	
CONDUCTOR	14"	0-40'								
							3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0	to 3,130	28.00	IJ-55	LTC	1.72	1.28	4.53	N/A
							10,690	8,650	279,000	367,000
PRODUCTION	4-1/2"	0	to 5,000	11.60	HCP-110	DQX	1.19	1.09		3.35
	4-1/2"	5,000	to 11,782'	11.60	HCP-110	LTC	1.19	1.09	4.43	

Surface casing:

(Burst Assumptions: TD = 13.0 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 9000 psi) 0.66 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15
Option 1							
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	2,630'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	240	35%	11.00	3.82
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	4,772'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	370	35%	12.00	3.38
	TAIL	7,010'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,650	35%	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. 15 centralizers for a Mesaverde and 20 for a Blackhawk well. 1 centralizer on the first 3 joints and one every third joint thereafter.

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.

Surveys will be taken at 1,000' minimum intervals.

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

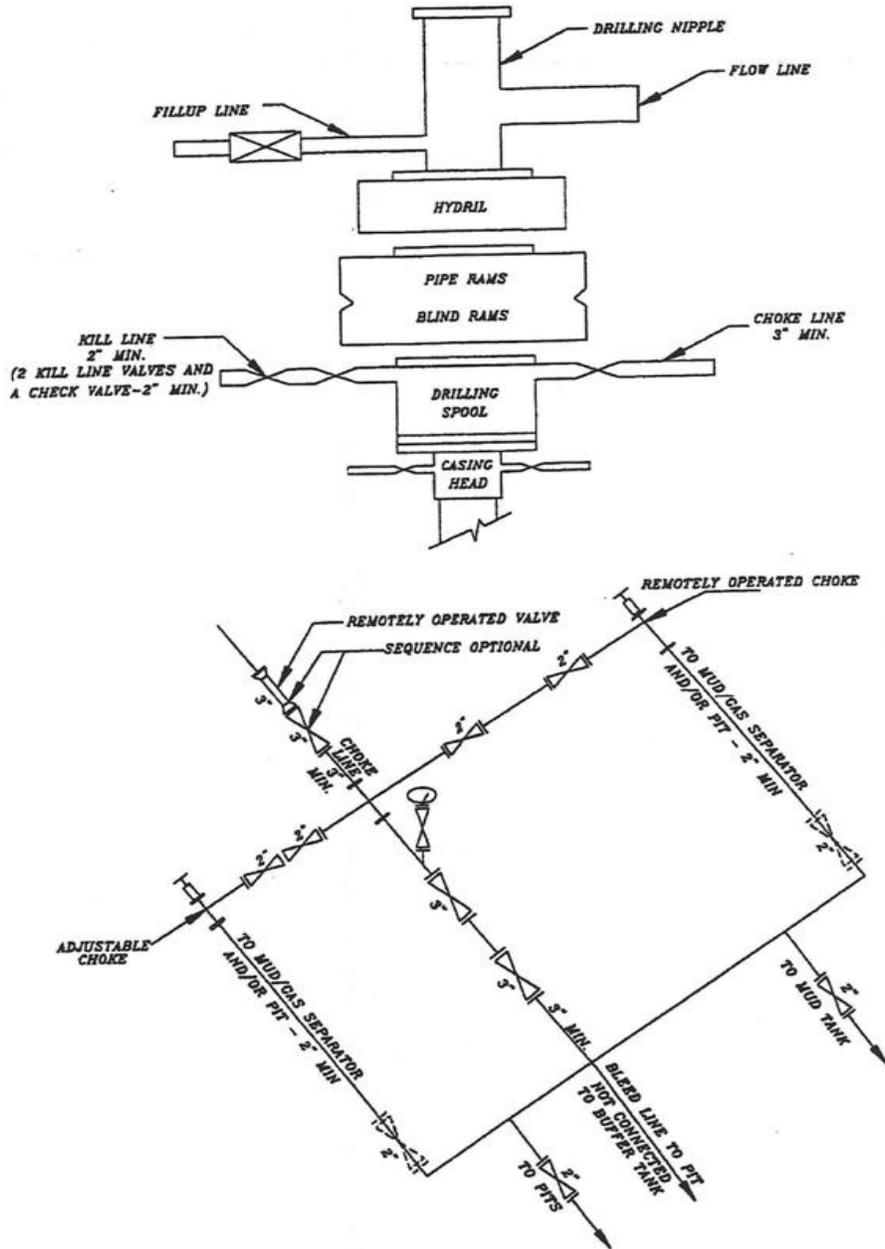
DRILLING ENGINEER: _____
Nick Spence / Danny Showers / Chad Loesel

DATE: _____

DRILLING SUPERINTENDENT: _____
Kenny Gathings / Lovel Young

DATE: _____

**EXHIBIT A
NBU 921-7F**



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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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"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	OTHER: <input style="width: 100px;" type="text"/>	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/6/2012		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for the month of June 2012. Surface casing set at 2,935'.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 10, 2012		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 7/6/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-7F
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047507310000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E 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: 8/2/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No activity for the month of July 2012. Well TD at 11,769'.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 August 06, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 8/2/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B
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: UTE 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-7F
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047507310000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: Uintah STATE: UTAH

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

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<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
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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: 9/5/2012	<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: <input style="width: 100px;" type="text"/>

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

Started completing the well in August 2012. Well TD at 11,769.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 September 11, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/5/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B
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: UTE 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-7F
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047507310000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: Uintah STATE: UTAH

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

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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: 9/12/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 09/12/2012. 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
 September 13, 2012

NAME (PLEASE PRINT) Lindsey Frazier	PHONE NUMBER 720 929-6857	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 9/13/2012	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU0575B

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU63047A

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE
Contact: JAIME L. SCHARNOWSKE
Mail: JAIME.SCHARNOWSKE@ANADARKO.COM

8. Lease Name and Well No.
NBU 921-7F

3. Address PO BOX 173779
DENVER, CO 80217

3a. Phone No. (include area code)
Ph: 720-929-6304

9. API Well No.
43-047-50731

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SENW 2079FNL 2869FWL 40.052142 N Lat, 109.595744 W Lon
At top prod interval reported below SENW 2079FNL 2869FWL 40.052142 N Lat, 109.595744 W Lon
At total depth SENW 2079FNL ²³⁸⁸2869FWL 40.052142 N Lat, 109.595744 W Lon *BILL BY HSEM*

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
or Area Sec 7 T9S R21E Mer SLB

12. County or Parish
UINTAH

13. State
UT

14. Date Spudded
01/31/2012

15. Date T.D. Reached
07/14/2012

16. Date Completed
 D & A Ready to Prod.
09/12/2012

17. Elevations (DF, KB, RT, GL)*
4710 GL

18. Total Depth: MD 11769 TVD 11764

19. Plug Back T.D.: MD 11709 TVD 11704

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
BHP-HDIL/DALZDL/CNGR-CBL/GR/CCL/TEMP

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7	0	40		28			
11.000	8.625 IJ-55	28.0	0	3130		595		0	
7.875	4.500 I-80	11.6	0	11755		2135		2485	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	11312							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	10476	11633	10476 TO 11633	0.360	96	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10476 TO 11633	PUMP 10,221 BBLs SLICK H2O & 217,380 LBS 30/50 OTTAWA SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/12/2012	09/13/2012	24	→	0.0	2270.0	0.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	1848 SI	2773.0	→	0	2270	0		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #152720 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECEIVED

OCT 09 2012

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER BIRD'S NEST MAHOGANY WASATCH MESAVARDE	1881 2166 2498 5295 8441

32. Additional remarks (include plugging procedure):

The first 210' of the surface hole was drilled with a 12 ?? bit. The remainder of surface hole was drilled with an 11? bit. DQX csg was run from surface to 4953 ft; LTC csg was run from 4953 ft to 11,755 ft. Attached is the chronological well history, perforation report & final survey.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #152720 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal**

Name (please print) JAIME L. SCHARNOWSKE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 10/01/2012

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

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: PROPETRO 10/10, PIONEER 54/54

Event: DRILLING

Start Date: 1/24/2012

End Date: 7/17/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/16/2012	3:00 - 12:00	9.00	DRLSUR	01	A	P		MIRU/ MOVE RIG 1 MILE TO THE NBU 921-7F AND RIG UP
	12:00 - 13:30	1.50	DRLSUR	02	C	P		DRILL 12.25" HOLE F/ 40' - 150' WOB 8-20 ROT 65-75 GPM 504 DHR 91 NO LOSSES
	13:30 - 18:00	4.50	DRLSUR	08	A	Z		FIX BLOWN HOSE ON TOP DRIVE
	18:00 - 18:30	0.50	DRLSUR	02	C	P		DRILL 12.25" HOLE F/ 150' - 210' WOB 8-20 ROT 65-75 GPM 504 DHR 91 NO LOSSES
	18:30 - 20:30	2.00	DRLSUR	06	A	P		TOOH INSTALL DIRECTIONAL TOOLS AND 11" BIT ORIENT MUD MOTOR TO BIT AND TIH
	20:30 - 0:00	3.50	DRLSUR	02	C	P		DRILL 11" HOLE F/ 210' - 730' WOB 18-20 ROT 65-70 GPM 504 DHR 91 NO LOSSES
	0:00 - 0:00	24.00	DRLSUR	02	C	P		LAST SURVEY .35 DEG 310.13 AZ DRILL 11" HOLE F/ 730' - 2930' WOB 18-20 ROT 65-70 GPM 504 DHR 91 NO LOSSES
2/18/2012	0:00 - 3:00	3.00	DRLSUR	02	C	P		LAST SURVEY 1.32 DEG 192.45 DRILL 11" HOLE F/ 2930' - 3137' T.D. WOB 18-20 ROT 65-70 GPM 504 DHR 91 NO LOSSES
	3:00 - 5:00	2.00	DRLSUR	05	C	P		LAST SURVEY 1.32 DEG 192.45 AVE ROP 72 FT HR TOTAL 32.5 HRS DRILLING
	5:00 - 6:30	1.50	DRLSUR	06	A	P		CIRCULATE AND CONDITION MUD PRIOR TO LDDS TOOH LAYING DOWN DRILL STRING
	6:30 - 9:30	3.00	DRLSUR	08	A	Z		FIX BLOWN HYDRAULIC HOSE
	9:30 - 12:00	2.50	DRLSUR	06	A	P		TOOH LAYING DOWN DRILL STRING BREAK DOWN DIRECTIONAL TOOLS L/D MWD TOOL AND BREAK BIT
	12:00 - 13:30	1.50	DRLSUR	12	A	P		RIG UP TO RUN 8.625" CASING
	13:30 - 16:30	3.00	DRLSUR	12	C	P		RUN 70 JOINTS 8 5/8 SURFACE CASING SHOE AT 3111' BAFFLE AT 3067' NO PROBLEMS RUNNING PIPE RUN 200' OF 1" PIPE FOR TOP OUT RIG DOWN RIG

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F		Spud Date: 2/16/2012	
Project: UTAH-UINTAH		Site: NBU 921-7F	Rig Name No: PROPETRO 10/10, PIONEER 54/54
Event: DRILLING		Start Date: 1/24/2012	End Date: 7/17/2012
Active Datum: RKB @4,729.00usft (above Mean Sea Level)		UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:30 - 20:30	4.00	DRLSUR	12	E	P		RIG UP PRESSURE TEST LINES TO 3000 PSI PUMP 20 BBLS GEL SPACER PUMP 220 SX 150 BBLS 11LEAD PPG 3.82 YIELD 2% CaCl PREMIUM CEMENT PUMP 275 SX 56 BBLS TAIL CMNT 15.8 PPG 1.15 YIELD DROP PLUG ON FLY DISPLACE WITH 174 BBLS H2O FLOATS HELD FINAL LIFT PRESSURE 600 PSI FULL RETURNS THROUGH JOB 5 BBLS CMT TO SURFACE. RIG UP AND PUMP 100 SX 20 BBLS TAIL CMNT 15.8 PPG 1.15 YIELD CEMENT TO SURFACE RELEASE RIG @ 20:30 2-18-12
7/8/2012	0:00 - 6:00	6.00	DRLPRV	01	E	P		RIG DOWN TOP DRIVE, BACK YARD, TORQUE TUBE, PREPARING FOR RIG MOVE
	6:00 - 16:00	10.00	DRLPRV	01	A	P		0.5 MILE RIG MOVE WITH WESTROC AND J&C CRANE, PREJOB SAFETY MEETING, 5 BED TRUCKS, 2 HAUL TRUCKS, 2 FORKLIFTS, 4 SWAMPERS, 2 TRUCK PUSHERS, RIG MOBLIZATION BEGAN @0700, DERRICK RAISED @1500, TRUCKS AND CRANES RELEASED@1600
	16:00 - 20:00	4.00	DRLPRV	01	B	P		RIG UP TOP DRIVE, RIG FLOOR, POWER, WATER, FUEL AND AIR, TOP DRIVE SERVICE LOOP, FLARE LINES, FLOW LINE
	20:00 - 22:00	2.00	DRLPRV	14	A	P		NIPPLE UP BOPE
	22:00 - 0:00	2.00	DRLPRV	15	A	P		TESTING BOPE, RAMS & ALL VALVES 250 LOW 5000 HIGH, ANN TO 2500, SURFACE CASING TO 1500 FOR 30 MIN
7/9/2012	0:00 - 2:00	2.00	DRLPRV	15	A	P		TESTING BOPE, RAMS & ALL VALVES 250 LOW 5000 HIGH, ANN TO 2500, SURFACE CASING TO 1500 FOR 30 MIN
	2:00 - 3:00	1.00	DRLPRV	15	A	P		TESTING SWACO EQUIPMENT
	3:00 - 3:30	0.50	DRLPRV	14	B	P		INSTALL WEAR BUSHING, PRESPUD SAFETY INSPECTION
	3:30 - 10:00	6.50	DRLPRV	06	A	P		SAFETY MEETING AND RIG UP KIMZEY LAY DOWN TRUCK, PICKED UP BIT, MOTOR, DIRECTIONAL TOOLS, HEAVY WEIGHT DRILL PIPE, AND DRILL PIPE. INSTALLED ROTATING RUBBER, RIG DOWN LAY DOWN TRUCK
	10:00 - 11:00	1.00	DRLPRV	09	A	P		SLIP AND CUT DRILL LINE
	11:00 - 12:30	1.50	DRLPRV	08	A	S		CHANGE OUT IBOB SUB ON TOP DRIVE
	12:30 - 14:00	1.50	DRLPRV	22	O	S		TRIPPING OUT OF HOLE TO VERIFY PIPE TALLY
	14:00 - 15:00	1.00	DRLPRV	08	A	S		REPAIR LEAKS IN FLOW LINE, CHANGE OUT LEAKING ROTATING RUBBER
	15:00 - 16:00	1.00	DRLPRV	02	F	P		DRILLING OUT CEMENT AND SHOE TRACK. BAFFLE@3080, FLOAT@3126', NEW HOLE@3137'

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: PROPETRO 10/10, PIONEER 54/54

Event: DRILLING

Start Date: 1/24/2012

End Date: 7/17/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:00 - 0:00	8.00	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 3137' TO 4562',1425'@178'PH WOB / 20-22 RPM TOP DRIVE 50-60 SPM 200 GPM 586 MW 8.5 PPG 27 VIS TRQ ON/OFF = 4-8 K PSI ON /OFF 1550/1250, DIFF 200-500 PU/SO/RT = 130/120/124 K LOST 0 BBLS TO FORMATION SLIDE = 61' IN 0.58 HRS = 105' PH ROT = 1364' IN 7.42 HRS = 184' PH NOV 2- DEWATERING 12' W & 34' S OF TARGET CENTER SWACO ON BYPASS
7/10/2012	0:00 - 13:00	13.00	DRLPRV	02	B	P		0 DRILL FLARE, 0 CONN FLARE CLOSED LOOP SYSTEM DRILL F/ 4562' TO 6580',2018'@155.2'PH WOB / 23-24 RPM TOP DRIVE 50-60 SPM 200 GPM 586 MW 8.5 PPG 27 VIS TRQ ON/OFF = 4-8 K PSI ON /OFF 1700/2100, DIFF 200-500 PU/SO/RT = 135/120/127 K LOST 0 BBLS TO FORMATION SLIDE = 184' IN 2.58 HRS = 71.3' PH ROT = 1834' IN 10.42 HRS = 176' PH NOV 2- DEWATERING 17' W & 8' N OF TARGET CENTER SWACO ON BYPASS
	13:00 - 14:00	1.00	DRLPRV	22	G	X		0 DRILL FLARE, 0 CONN FLARE LOST CIRCULATION, LOWERWED PUMP RATE, PUMPED HIGH VIS LCM SWEEPS, PUTTING LCM MATERIAL DIRECTLY INTO ACTIVE MUD SYSTEM, FLOW RETURNED, REBUILT TOTAL SURFACE VOLUME TO 600 BBLS
	14:00 - 16:30	2.50	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 6580' TO 6741',161'@64.4'PH WOB / 23-24 RPM TOP DRIVE 50-60 SPM 200 GPM 586 MW 8.5 PPG 27 VIS TRQ ON/OFF = 4-8 K PSI ON /OFF 1700/2100, DIFF 200-500 PU/SO/RT = 135/120/127 K LOST 200 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- DEWATERING 17' W & 8' N OF TARGET CENTER SWACO ON BYPASS
	16:30 - 17:00	0.50	DRLPRV	07	A	P		0 DRILL FLARE, 0 CONN FLARE DAILY RIG SERVICE

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F		Spud Date: 2/16/2012	
Project: UTAH-UINTAH		Site: NBU 921-7F	Rig Name No: PROPETRO 10/10, PIONEER 54/54
Event: DRILLING		Start Date: 1/24/2012	End Date: 7/17/2012
Active Datum: RKB @4,729.00usft (above Mean Sea Level)		UWI: SE/NW0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	17:00 - 18:30	1.50	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 6741' TO 6931',190'@126.6'PH WOB / 23-24 RPM TOP DRIVE 50-60 SPM 200 GPM 586 MW 8.5 PPG 27 VIS TRQ ON/OFF = 4-8 K PSI ON /OFF 1700/2100, DIFF 200-500 PU/SO/RT = 135/120/127 K LOST 0 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- DEWATERING 17' W & 8' N OF TARGET CENTER SWACO ON BYPASS 0 DRILL FLARE, 0 CONN FLARE REPAIRED SWABS ON BOTH PUMPS
	18:30 - 19:00	0.50	DRLPRV	08	B	S		
	19:00 - 0:00	5.00	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 6931' TO 7420',489'@97.8'PH WOB / 24-25 RPM TOP DRIVE 50-60 SPM 200 GPM 586 MW 8.5 PPG 27 VIS TRQ ON/OFF = 5-9 K PSI ON /OFF 1700/2100, DIFF 200-500 PU/SO/RT = 175/150/164 K LOST 0 BBLS TO FORMATION SLIDE = 53' IN 1.0 HRS @ 53' PH ROT = 436' IN 4.0 HRS @ 109' NOV 2- DEWATERING 18' W & 45' N OF TARGET CENTER SWACO ON BYPASS 0 DRILL FLARE, 0 CONN FLARE
7/11/2012	0:00 - 15:30	15.50	DRLPRO	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 7420' TO 8543',1123'@172.4'PH WOB / 24-25 RPM TOP DRIVE 50-60 SPM 180 GPM 527 MW 8.5 PPG 27 VIS TRQ ON/OFF = 5-9 K PSI ON /OFF 1700/2100, DIFF 200-500 PU/SO/RT = 195/165/180 K LOST 100 BBLS TO FORMATION SLIDE = 47' IN 1.17 HRS @40.1' PH ROT = 1076' IN 14.33 HRS @75.1' PH NOV 2- DEWATERING 19' W & 74' N OF TARGET CENTER SWACO ONLINE@7500' ANN PRESSURE 100 DRILL, 250 CONN 0 DRILL FLARE, 10 CONN FLARE LUBRICATE RIG
	15:30 - 16:00	0.50	DRLPRO	07	A	P		

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: PROPETRO 10/10, PIONEER 54/54

Event: DRILLING

Start Date: 1/24/2012

End Date: 7/17/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:00 - 0:00	8.00	DRLPRO	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 8543' TO 9277',734'@91.7'PH WOB / 24-25 RPM TOP DRIVE 50-60 SPM 180 GPM 527 MW 8.5 PPG 30 VIS TRQ ON/OFF = 5-10 K PSI ON /OFF 2100/2300, DIFF 200-500 PU/SO/RT = 220/170/188 K LOST 130 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- CONVENTIONAL 20' W & 84' N OF TARGET CENTER SWACO ONLINE@7500' ANN PRESSURE 100 DRILL, 250 CONN 0 DRILL FLARE, 10 CONN FLARE
7/12/2012	0:00 - 16:00	16.00	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 9277' TO 10250',973'@60.8'PH WOB / 24-25 RPM TOP DRIVE 50-60 SPM 180 GPM 527 MW 9.0 PPG 30 VIS TRQ ON/OFF = 5-10 K PSI ON /OFF 2700/2500, DIFF 200-500 PU/SO/RT = 215/185/200 K LOST 40 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- CONVENTIONAL 20' W & 70' N OF TARGET CENTER SWACO ONLINE@7500' ANN PRESSURE 100 DRILL, 250 CONN 0 DRILL FLARE, 5 CONN FLARE
	16:00 - 16:30	0.50	DRLPRV	07	A	P		DAILY RIG SERVICE, BOP DRILL 70 SEC, FUNCTION HCR VALVE AND ANNULAR
	16:30 - 0:00	7.50	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 10250' TO 10635',385'@51.3'PH WOB / 24-25 RPM TOP DRIVE 50-60 SPM 180 GPM 527 MW 9.0 PPG 30 VIS TRQ ON/OFF = 5-10 K PSI ON /OFF 2700/2500, DIFF 200-500 PU/SO/RT = 215/185/200 K LOST 0 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- CONVENTIONAL 9' W & 51' N OF TARGET CENTER SWACO ONLINE@7500' ANN PRESSURE 140 DRILL, 450 CONN 0 DRILL FLARE, 5 CONN FLARE

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: PROPETRO 10/10, PIONEER 54/54

Event: DRILLING

Start Date: 1/24/2012

End Date: 7/17/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
7/13/2012	0:00 - 16:30	16.50	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 10635' TO 11198',563'@34'PH WOB / 25-30 RPM TOP DRIVE 50-60 SPM 180 GPM 527 MW 9.0 PPG 36 VIS TRQ ON/OFF = 8.5/5 K PSI ON /OFF 2700/2500, DIFF 200-500 PU/SO/RT = 240/180/210 K LOST 80 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- CONVENTIONAL 9' W & 51' N OF TARGET CENTER SWACO ONLINE@7500' ANN PRESSURE 140 DRILL, 250 CONN 0 DRILL FLARE, 5 CONN FLARE
	16:30 - 17:00	0.50	DRLPRV	07	A	P		LUBRICATE RIG, DAILY RIG SERVICE
	17:00 - 0:00	7.00	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 11198' TO 11430',232'@33'PH WOB / 25-30 RPM TOP DRIVE 50-60 SPM 180 GPM 527 MW 9.0 PPG 36 VIS TRQ ON/OFF = 8.5/5 K PSI ON /OFF 2700/2500, DIFF 200-500 PU/SO/RT = 240/180/210 K LOST 100 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- CONVENTIONAL 5' E & 18' N OF TARGET CENTER SWACO ONLINE@7500' ANN PRESSURE 140 DRILL, 250 CONN 0 DRILL FLARE, 5 CONN FLARE
7/14/2012	0:00 - 9:00	9.00	DRLPRV	02	B	P		CLOSED LOOP SYSTEM DRILL F/ 11430' TO 11769', 339'@22'PH WOB / 30-32 RPM TOP DRIVE 60 SPM 190 GPM 557 MW 10 PPG 40 VIS TRQ ON/OFF = 9/5 K PSI ON /OFF 2700/2500, DIFF 200-500 PU/SO/RT = 260/190/213 K LOST 100 BBLS TO FORMATION SLIDE = ROT = 100% NOV 2- CONVENTIONAL 9.8' E & 3.1' N OF TARGET CENTER SWACO ONLINE@7500' ANN PRESSURE 120 DRILL, 200 CONN 0 DRILL FLARE, 0 CONN FLARE
	9:00 - 9:30	0.50	DRLPRV	07	A	P		LUBRICATE RIG

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: PROPETRO 10/10, PIONEER 54/54

Event: DRILLING

Start Date: 1/24/2012

End Date: 7/17/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
7/15/2012	9:30 - 16:30	7.00	DRLPRV	05	B	P		RAISE MUD WEIGHT TO 11.0 PPG, 10% LCM THROUGHOUT SYSEM TO CONTAIN LOSSES, SWACO OFFLINE
	16:30 - 21:00	4.50	DRLPRV	06	E	P		SPOTTED 80 BBLs OF 12.5 PPG MUD ON BOTTOM, PUMPED OUT 10 STANDS, PUMPED PILL, TRIPPED OUT OF HOLE TO SHOE
	21:00 - 0:00	3.00	DRLPRV	06	E	P		TRIPPING BACK IN THE HOLE TO TD
	0:00 - 1:30	1.50	DRLPRV	06	E	P		TRIPPING BACK IN THE HOLE
	1:30 - 2:30	1.00	DRLPRV	05	C	P		CIRCULATING BOTTOMS UP PRIOR TO SECOND WIPER TRIP
	2:30 - 10:00	7.50	DRLPRV	06	E	P		PREFORMING SECOND WIPER TRIP TO CASING SHOE AND BACK TO CLEAN WELLBORE AND REWIPE THROUGH TIGHT SECTIONS
	10:00 - 12:00	2.00	DRLPRV	05	C	P		CIRCULATING BOTTOMS UP PRIOR TO TRIPPING OUT FOR LOGS
	12:00 - 16:30	4.50	DRLPRV	06	A	P		TRIPPING OUT OF THE HOLE FOR LOGS, LAYED DOWN DIRECTIONAL TOOLS
7/16/2012	16:30 - 22:00	5.50	DRLPRV	11	D	P		RIGGED UP BAKER ATLAS WIRELINE LOGGERS, SAFETY MEETING, RUN QUAD COMBO LOGS, LOGS BRIDGED OUT AT 5700', LOGGED HOLE OUT, RIGGED DOWN
	22:00 - 23:30	1.50	DRLPRV	06	F	S		TRIPPING IN THE HOLE TO LAY DOWN DRILL PIPE, GOING TO MAKE A SECOND ATTEMPT AT LOGS AFTER
	23:30 - 0:00	0.50	DRLPRV	09	A	P		SLIP AND CUT DRILL LINE
	0:00 - 2:00	2.00	DRLPRV	22	F	S		TRIPPED IN THE HOLE TO THE CASING SHOE, PUPMED THROUGH BHA AND STAND PIPE PRESSURE EXCEEDED 3500 PSI, TRIPPED OUT TO CLEAN PACKED OFF DRILL PIPE DUE TO LCM IN BHA
	2:00 - 7:00	5.00	DRLPRV	06	A	P		TRIPPED IN THE HOLE TO LAY DOWN DRILL PIPE
	7:00 - 8:30	1.50	DRLPRV	05	C	P		CIRCULATE BOTTOMS UP, RIGGED UP FRANKS LAYDOWN MACHINE, SAFETY MEETING
	8:30 - 15:30	7.00	DRLPRV	06	A	P		LAYING DOWN DRILL PIPE
	15:30 - 16:00	0.50	DRLPRV	14	B	P		PULL WEAR BUSHING
	16:00 - 21:00	5.00	DRLPRV	11	D	P		RIGGED BACK UP BAKER ATLAS LOGGING CREW, SAFETY MEETING, LOGS BRIDGED OUT @8500', LOGGED OUT FROM BRIDGE POINT.
	21:00 - 0:00	3.00	DRLPRV	12	C	P		RIGGED UP FRANKS CASING CREW, SAFETY MEETING, RUNNING 4.5" CASING
7/17/2012	0:00 - 5:30	5.50	DRLPRV	12	C	P		RUN WITH FRANKS CASING CREW 159 JOINTS 4.5", 11.6 LB, P110, LTC THREAD + 2 MARKERS, 128 JTS 4.5", 11.6 LB, P110, DQX PRODUCTION CASING + 1 X/O, SHOE @ 11,754, FLOAT @ 11,709, B/H MARKER @ 11,194, MESA MARKER @ 8461', X/O @ 4953'
	5:30 - 8:00	2.50	DRLPRV	05	D	P		CIRCULATING DOWN CASING PRIOR TO CEMENT

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: PROPETRO 10/10, PIONEER 54/54

Event: DRILLING

Start Date: 1/24/2012

End Date: 7/17/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:00 - 13:00	5.00	DRLPRV	12	E	P		HELD PRE JOB SAFETY MEETING WITH RIG & BAKER HUGHES CEMENTERS, TEST LINES TO 5000 PSI,DROP BOTTOM PLUG, PUMP 25 BBL WATER SPACER, LEAD 685 SACK 12 PPG 2.26 YLD, TAIL 1450 SACKS 14.3 PPG 1.32 YLD W .5% EC 1, DROP PLUG & DISPLACE WITH 182 BBLS CLAYCARE WATER, LOST RETURNS 120 BBLS INTO DISPLACEMENT, BUMPED PLUG @4100 FINAL LIFT BEFORE BUMP 3490 PSI, FLOATS HELD, EST TOP OF TAIL @4800'
	13:00 - 14:00	1.00	DRLPRV	14	B	P		INSTALL CASING PACKOFF
	14:00 - 18:00	4.00	DRLPRV	01	E	P		CLEANING MUD TANKS, RIGGING DOWN, RIG RELEASED TO NBU 921-17F@1800

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 921-7F	Wellbore No.	OH
Well Name	NBU 921-7F	Wellbore Name	NBU 921-7F
Report No.	1	Report Date	8/22/2012
Project	UTAH-UINTAH	Site	NBU 921-7F
Rig Name/No.		Event	COMPLETION
Start Date	8/22/2012	End Date	9/11/2012
Spud Date	2/16/2012	Active Datum	RKB @4,729.00usft (above Mean Sea Level)
UWI	SE/NW/09/S/21/E/7/O/0/26/PM/N/2,079.00/W/0/2,869.00/O/0		

1.3 General

Contractor	CASED HOLE	Job Method		Supervisor	STEVE WALL, SR.
Perforated Assembly	PRODUCTION CASING	Conveyed Method			

1.4 Initial Conditions

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

1.5 Summary

Gross Interval	10,476.0 (usft)-11,633.0 (u	Start Date/Time	9/10/2012 12:00AM
No. of Intervals	22	End Date/Time	9/10/2012 12:00AM
Total Shots	96	Net Perforation Interval	32.00 (usft)
Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (")	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
9/10/2012 12:00AM	MESAVERDE/			10,476.0	10,478.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
9/10/2012 12:00AM	MESAVERDE/			10,587.0	10,589.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			10,601.0	10,605.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,252.0	11,254.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,264.0	11,266.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,281.0	11,282.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,294.0	11,295.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,320.0	11,322.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,342.0	11,343.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,351.0	11,353.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,377.0	11,378.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,411.0	11,412.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,421.0	11,423.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,437.0	11,438.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,519.0	11,520.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,526.0	11,527.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,535.0	11,536.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,543.0	11,544.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,552.0	11,553.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,570.0	11,571.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,578.0	11,579.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/10/2012 12:00AM	MESAVERDE/			11,632.0	11,633.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: SWABBCO 8/8

Event: COMPLETION

Start Date: 8/22/2012

End Date: 9/11/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/16/2012	-							
8/22/2012	7:00 - 7:15	0.25	FRAC	48		P		HELD SAFETY MEETING: HIGH PRESSURE FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 12 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 28 PSI. 1ST PSI TEST T/ 9000 PSI. HELD FOR 30 MIN LOST 103 PSI NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI.SWFW
	7:15 - 10:30	3.25	FRAC	33	C	P		
8/23/2012	-							
9/7/2012	18:30 - 20:00	1.50	COMP			P		MIRU. NDWH. NU FRAC VALVE. MIRU TESTERS. TEST FRAC VALVE GOOD @ 9000 PSI FOR 10MIN. SWFN.
9/10/2012	7:00 - 7:30	0.50	COMP	48		P		HSM W/ SUPERIOR & CASSED HOLE, RU CASSED HOLE, RIH W/ 31/8 EXP 23 GRM, .36" 120 DEG PHASING GUNS & PERF WELL AS OF PROCEDURE, (STG #1) WHP 227 PSI, BRK 5073 PSI @ 4.7 BPM, ISIP 2700 PSI, FG .67.SPOT ACID ON PERFS SHUT DWN FOR 5 MIN. PUMP 100 BBLS @ 49.8 BPM, @ 6344 PSI = 79% PERFS OPEN. MP 7689 PSI, MR 50.2 BPM, AP 6524 PSI, AR 49.1 BPM, ISIP 4134 PSI, FG 80 . NPI 1434 PSI. (STG # 2) RIH W/ 31/8 EXP 23 GRM, .36" 120 DEG PHASING GUNS & 41/2 HAL 10K CBP & SET @ 11,468',PERF WELL AS OF PROCEDURE, WHP 2175 PSI, BRK 4510 PSI @ 4.9 BPM, ISIP 3263 PSI, FG .73. PUMP 100 BBLS @ 49.6 BPM, @ 6900 PSI = 79% PERFS OPEN. MP 7865 PSI, MR 52.1 BPM, AP 6973 PSI, AR 50.6 BPM, ISIP 3836 PSI, FG 78 . NPI 573 PSI. (STG #3) RIH W/ 31/8 EXP 23 GRM, .36" 120 DEG PHASING GUNS & 41/2 HAL 10K CBP & SET @ 11,336',PERF WELL AS OF PROCEDURE, WHP 2925 PSI, BRK 3647 PSI @ 4.7 BPM, ISIP 3038 PSI, FG .71. PUMP 100 BBLS @ 51.6 BPM, @ 6241 PSI = 100% PERFS OPEN. MP 7646 PSI, MR 52.1 BPM, AP 6583 PSI, AR 50.8 BPM, ISIP 3993 PSI, FG 79 . NPI 955 PSI.
	7:30 - 10:42	3.20	COMP	36	E	P		
	10:42 - 13:59	3.28	COMP	36	E	P		
	13:59 - 16:53	2.90	COMP	36	E	P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F		Spud Date: 2/16/2012	
Project: UTAH-UINTAH		Site: NBU 921-7F	Rig Name No: SWABBCO 8/8
Event: COMPLETION		Start Date: 8/22/2012	End Date: 9/11/2012
Active Datum: RKB @4,729.00usft (above Mean Sea Level)		UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:53 - 20:30	3.62	COMP	36	E	P		<p>(STG # 4) RIH W/ 31/8 EXP 23 GRM, .36" 120 DEG PHASING GUNS & 41/2 HAL 8K CBP & SET @ 10,640', PERF WELL AS OF PROCEDURE, WHP 1125 PSI, BRK 3361 PSI @ 4.7 BPM, ISIP 2967 PSI, FG .72. PUMP 100 BBLs @ 50.0 BPM, @ 5531 PSI = 100% PERFS OPEN. MP 5916 PSI, MR 51.2 BPM, AP 5664 PSI, AR 50.8 BPM, ISIP 3384 PSI, FG 76 . NPI 417 PSI. END FRAC @ 18:30 PM</p> <p>(KILL PLUG) RUN & SET 41/2 HAL 8-K CBP @ 10,356' POOH SWI RD WL & FRAC CREW, SDFN.</p> <p>TOTAL 217,380 LBS 30/50 TLC TOTAL 11,307 LBS 30/50 OTTAWA TOTAL 10,221 BBLs WTR 2475 GALS DEISEL FOR FRAC CREW. HSM, PICKING UP PIPE OFF TRAILOR.</p>
9/11/2012	7:00 - 7:30	0.50	COMP	48		P		<p>SICP 0, ND FV, NU 10-K BOPS, RU FLOOR & TBG EQUIP. TALLY & PU 37/8 BIT, POBS, 1.875 X/N & 325 JTS 23/8 P-110 OFF FLOAT EOT @ 10,324' RU DRLG EQUIP BROKE CIRC CONV, TEST BOPS & CSG TO 4,000 PSI OK, PREP TO D/O IN AM. SWI SDFN. HSM, DRILLING CBPS.</p>
	7:30 - 15:30	8.00	COMP	31	I	P		
9/12/2012	7:00 - 7:30	0.50	COMP	48		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No: SWABBCO 8/8

Event: COMPLETION

Start Date: 8/22/2012

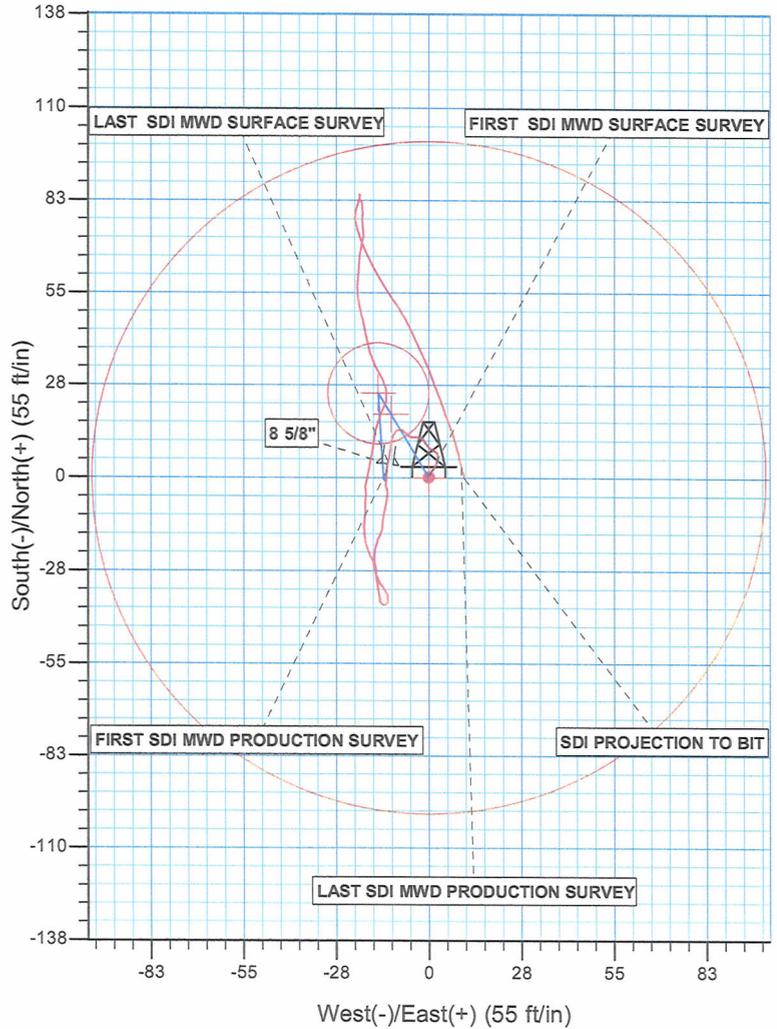
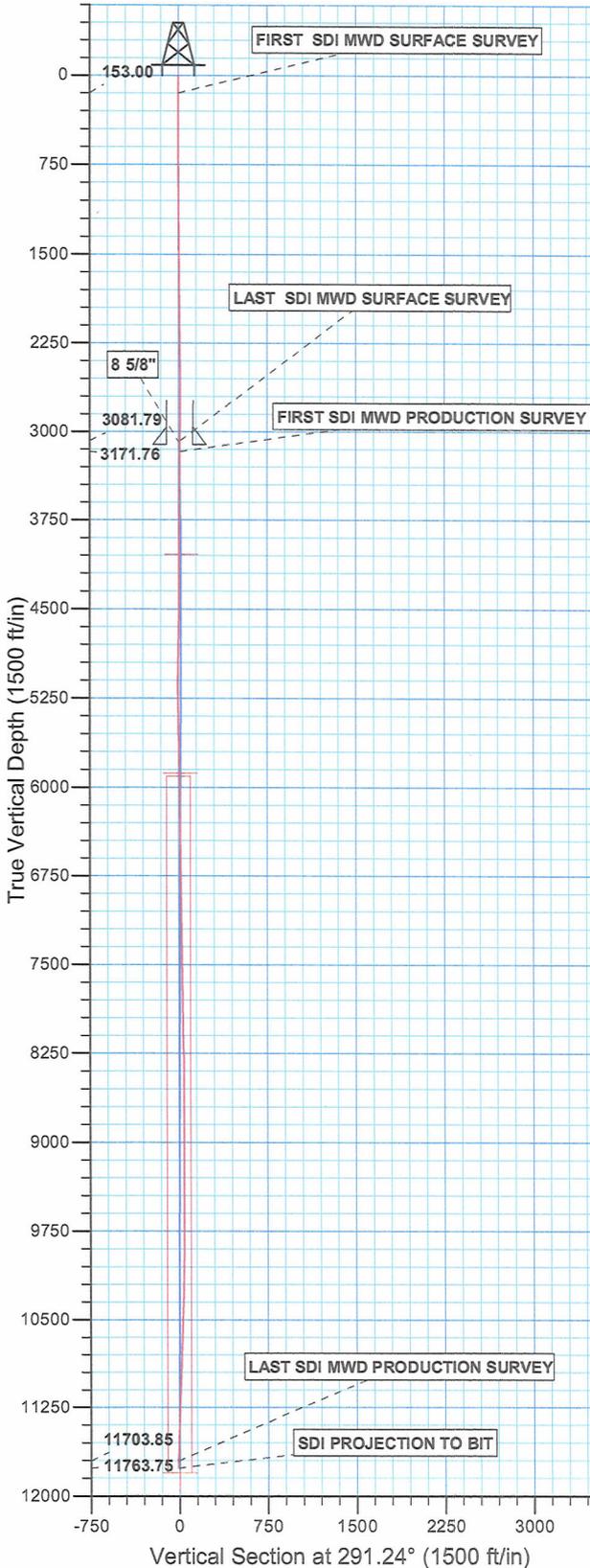
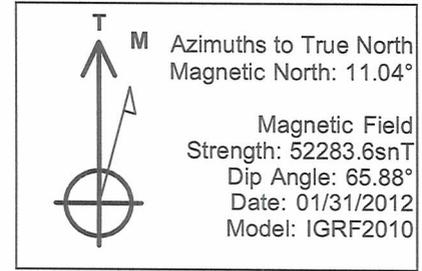
End Date: 9/11/2012

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 13:30	6.00	COMP					<p>BROKE CIRC CONV. RIH</p> <p>C/O 10' SAND TAG 1ST PLG @ 10,356' DRL PLG IN 6 MIN 1500 PSI INCREASE RIH.</p> <p>C/O 10' SAND TAG 2ND PLG @ 10,640' DRL PLG IN 3 MIN 800 PSI INCREASE RIH.</p> <p>C/O 10' SAND TAG 3RD PLG @ 11,336' DRL PLG IN 5 MIN 500 PSI INCREASE RIH.</p> <p>C/O 40' SAND TAG 4TH PLG @ 11,468' DRL PLG IN 5 MIN 500 PSI INCREASE RIH.</p> <p>C/O TO PBTD @ 11,709' CIRC CLN, HANG SWMVEL, L/D 12 JTS 23/8, LAND TBG ND BOPS NU WH, TEST LINE TO SEP, PUMP OFF BIT, LET WELL SET FOR 30 MIN FOR BIT TO FALL. TURN WELL OVER TO FB CREW.</p> <p>KB = 19' (</p> <p>SURFACE OPEN & LOCKED)</p> <p>41/16 CAMERON HANGER = .83' SICP</p> <p>2800# FTP 100 #</p> <p>356 JTS 23/8 P-110 = 11,290.28'</p> <p>POBS W/ 1.875 X/N = 2.20'</p> <p>EOT @ 11,312.31'</p> <p>TWTR 10,441 BBLS</p> <p>TWR 800 BBLS</p> <p>TWLTR 9641 BBLS</p> <p>378 JTS HAULED OUT</p> <p>356 JTS LANDED</p> <p>22 JTS TO SAMUELS YARD</p> <p>WELL TURNED TO SALES @ 12:30 HR ON 9/12/2012, 1,000 MCFD, 1920 BWPD, FCP 2800#, FTP 2200#, 20/64" CK.</p> <p>WELL IP'D ON 9/13/12 - 2269 MCFD, 0 BOPD, 533 BWPD, CP 2772#, FTP 1848#, 20/64 CK, LP 192#, 24 HRS</p>
	13:30 - 13:30	0.00	COMP	50				
9/13/2012	7:00 -			50				

WELL DETAILS: NBU 921-7F					
GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14548146.50	2033590.69	40.052178	-109.595054



PROJECT DETAILS: UTAH - UTM (feet), NAD27, Zone 12N
Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Zone 12N (114 W to 108 W)
Location: SECTION 7 T9S R21E
System Datum: Mean Sea Level

Design: OH (NBU 921-7F/OH)
Created By: Gabe Kendall Date: 9:30, July 19 2012



US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

NBU 921-7F

NBU 921-7F

OH

Design: OH

Standard Survey Report

19 July, 2012



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NBU 921-7F
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
Site:	NBU 921-7F	MD Reference:	GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
Well:	NBU 921-7F	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	UTAH - UTM (feet), NAD27, Zone 12N		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 921-7F, SECTION 7 T9S R21E				
Site Position:		Northing:	14,548,146.49 usft	Latitude:	40.052178
From:	Lat/Long	Easting:	2,033,590.68 usft	Longitude:	-109.595054
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.90 °

Well	NBU 921-7F, 2079 FNL 2869 FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,548,146.49 usft	Latitude:	40.052178
	+E/-W	0.00 ft	Easting:	2,033,590.68 usft	Longitude:	-109.595054
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,710.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	01/31/12	(°)	(°)	(nT)
			11.04	65.88	52,284

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	291.24	

Survey Program	Date	07/19/12			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
15.00	3,082.00	Survey #1 SDI MWD SURFACE (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	
3,172.00	11,769.00	Survey #2 SDI MWD PRODUCTION (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
15.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	
153.00	0.35	25.45	153.00	0.38	0.18	-0.03	0.25	0.25	0.00	
FIRST SDI MWD SURFACE SURVEY										
181.00	0.70	31.52	181.00	0.60	0.31	-0.07	1.26	1.25	21.68	
208.00	0.79	24.14	208.00	0.91	0.47	-0.11	0.49	0.33	-27.33	
236.00	0.70	37.58	235.99	1.23	0.65	-0.16	0.70	-0.32	48.00	
263.00	0.70	26.51	262.99	1.50	0.83	-0.23	0.50	0.00	-41.00	
292.00	0.88	37.32	291.99	1.84	1.04	-0.30	0.80	0.62	37.28	
352.00	0.88	35.56	351.98	2.58	1.59	-0.55	0.05	0.00	-2.93	

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: NBU 921-7F
Well: NBU 921-7F
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 921-7F
TVD Reference: GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
MD Reference: GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single 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)	
442.00	0.79	26.68	441.97	3.70	2.27	-0.78	0.17	-0.10	-9.87	
532.00	0.79	10.86	531.96	4.86	2.66	-0.72	0.24	0.00	-17.58	
622.00	0.97	357.59	621.95	6.23	2.75	-0.31	0.30	0.20	-14.74	
712.00	0.44	320.85	711.95	7.26	2.50	0.30	0.75	-0.59	-40.82	
802.00	0.35	310.13	801.94	7.71	2.07	0.86	0.13	-0.10	-11.91	
892.00	0.53	293.78	891.94	8.05	1.48	1.54	0.24	0.20	-18.17	
982.00	0.44	292.64	981.94	8.35	0.78	2.30	0.10	-0.10	-1.27	
1,072.00	0.53	318.04	1,071.94	8.79	0.18	3.02	0.26	0.10	28.22	
1,162.00	0.26	329.82	1,161.93	9.28	-0.20	3.55	0.31	-0.30	13.09	
1,252.00	0.44	313.65	1,251.93	9.70	-0.55	4.03	0.23	0.20	-17.97	
1,342.00	0.44	331.14	1,341.93	10.24	-0.97	4.61	0.15	0.00	19.43	
1,432.00	0.26	335.27	1,431.93	10.72	-1.22	5.02	0.20	-0.20	4.59	
1,522.00	0.35	313.30	1,521.93	11.10	-1.51	5.42	0.16	0.10	-24.41	
1,612.00	0.35	304.86	1,611.92	11.44	-1.93	5.95	0.06	0.00	-9.38	
1,702.00	0.53	282.18	1,701.92	11.69	-2.56	6.62	0.27	0.20	-25.20	
1,792.00	0.62	287.37	1,791.92	11.92	-3.44	7.52	0.12	0.10	5.77	
1,882.00	0.44	263.64	1,881.91	12.03	-4.24	8.31	0.31	-0.20	-26.37	
1,972.00	0.70	271.99	1,971.91	12.01	-5.14	9.14	0.30	0.29	9.28	
2,062.00	0.62	313.30	2,061.90	12.36	-6.04	10.11	0.52	-0.09	45.90	
2,152.00	0.70	320.24	2,151.90	13.12	-6.75	11.04	0.13	0.09	7.71	
2,242.00	0.44	297.56	2,241.89	13.70	-7.40	11.87	0.38	-0.29	-25.20	
2,332.00	0.53	286.93	2,331.89	13.98	-8.11	12.62	0.14	0.10	-11.81	
2,422.00	0.35	263.73	2,421.89	14.07	-8.78	13.28	0.28	-0.20	-25.78	
2,512.00	0.53	238.76	2,511.88	13.83	-9.41	13.78	0.29	0.20	-27.74	
2,602.00	0.62	217.32	2,601.88	13.23	-10.06	14.17	0.26	0.10	-23.82	
2,692.00	0.79	198.95	2,691.87	12.25	-10.56	14.28	0.31	0.19	-20.41	
2,782.00	0.88	189.19	2,781.86	10.98	-10.87	14.11	0.19	0.10	-10.84	
2,872.00	1.06	191.57	2,871.85	9.49	-11.15	13.83	0.20	0.20	2.64	
2,962.00	1.32	192.45	2,961.83	7.66	-11.54	13.53	0.29	0.29	0.98	
3,052.00	1.49	189.90	3,051.80	5.49	-11.96	13.14	0.20	0.19	-2.83	
3,082.00	1.58	188.58	3,081.79	4.70	-12.09	12.97	0.32	0.30	-4.40	
LAST SDI MWD SURFACE SURVEY										
3,172.00	1.62	185.62	3,171.76	2.21	-12.40	12.36	0.10	0.04	-3.29	
FIRST SDI MWD PRODUCTION SURVEY										
3,267.00	2.02	184.40	3,266.71	-0.80	-12.66	11.51	0.42	0.42	-1.28	
3,362.00	0.24	157.40	3,361.69	-2.65	-12.71	10.89	1.90	-1.87	-28.42	
3,456.00	0.79	163.39	3,455.68	-3.46	-12.45	10.35	0.59	0.59	6.37	
3,551.00	0.70	183.87	3,550.68	-4.66	-12.30	9.78	0.29	-0.09	21.56	
3,646.00	1.23	187.47	3,645.66	-6.25	-12.47	9.36	0.56	0.56	3.79	
3,741.00	1.49	185.54	3,740.64	-8.49	-12.73	8.79	0.28	0.27	-2.03	
3,836.00	1.93	197.05	3,835.59	-11.25	-13.31	8.33	0.59	0.46	12.12	
3,931.00	1.14	177.28	3,930.56	-13.72	-13.74	7.83	0.99	-0.83	-20.81	
4,026.00	0.97	194.06	4,025.54	-15.45	-13.89	7.35	0.37	-0.18	17.66	

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: NBU 921-7F
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Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 921-7F
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MD Reference: GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single 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)
4,121.00	1.58	208.04	4,120.52	-17.38	-14.70	7.40	0.72	0.64	14.72
4,215.00	0.26	78.49	4,214.51	-18.49	-15.10	7.38	1.87	-1.40	-137.82
4,311.00	0.62	223.68	4,310.51	-18.82	-15.25	7.39	0.88	0.38	151.24
4,405.00	1.41	190.02	4,404.49	-20.32	-15.80	7.36	1.02	0.84	-35.81
4,500.00	1.85	184.22	4,499.45	-23.01	-16.11	6.69	0.49	0.46	-6.11
4,595.00	0.79	159.00	4,594.43	-25.15	-15.99	5.80	1.25	-1.12	-26.55
4,690.00	0.97	178.60	4,689.42	-26.56	-15.74	5.05	0.37	0.19	20.63
4,785.00	1.76	171.65	4,784.39	-28.81	-15.51	4.02	0.85	0.83	-7.32
4,880.00	1.23	144.32	4,879.36	-31.08	-14.70	2.44	0.92	-0.56	-28.77
4,974.00	1.32	136.94	4,973.33	-32.69	-13.37	0.62	0.20	0.10	-7.85
5,069.00	1.67	163.65	5,068.30	-34.82	-12.24	-1.21	0.81	0.37	28.12
5,164.00	1.14	204.52	5,163.28	-37.01	-12.24	-2.00	1.16	-0.56	43.02
5,258.00	0.97	266.31	5,257.26	-37.91	-13.42	-1.22	1.16	-0.18	65.73
5,353.00	1.41	353.59	5,352.25	-36.80	-14.35	0.05	1.76	0.46	91.87
5,448.00	3.17	348.20	5,447.17	-33.07	-15.02	2.02	1.86	1.85	-5.67
5,543.00	2.46	353.94	5,542.05	-28.47	-15.77	4.39	0.80	-0.75	6.04
5,637.00	2.02	342.25	5,635.98	-24.88	-16.49	6.36	0.67	-0.47	-12.44
5,732.00	1.14	323.79	5,730.95	-22.53	-17.56	8.21	1.06	-0.93	-19.43
5,827.00	1.87	348.08	5,825.91	-20.25	-18.44	9.85	1.00	0.77	25.57
5,921.00	1.23	341.37	5,919.88	-17.79	-19.08	11.34	0.71	-0.68	-7.14
6,016.00	2.90	5.19	6,014.81	-14.43	-19.19	12.66	1.94	1.76	25.07
6,111.00	1.93	1.67	6,109.73	-10.44	-18.92	13.86	1.03	-1.02	-3.71
6,206.00	1.76	3.78	6,204.68	-7.38	-18.78	14.83	0.19	-0.18	2.22
6,301.00	1.06	357.17	6,299.65	-5.05	-18.73	15.63	0.76	-0.74	-6.96
6,396.00	1.93	1.50	6,394.62	-2.57	-18.73	16.52	0.92	0.92	4.56
6,491.00	3.93	15.11	6,489.49	2.17	-17.84	17.41	2.21	2.11	14.33
6,585.00	3.69	6.07	6,583.28	8.29	-16.68	18.55	0.69	-0.26	-9.62
6,681.00	3.34	13.36	6,679.10	14.08	-15.71	19.74	0.59	-0.36	7.59
6,776.00	2.73	21.71	6,773.97	18.87	-14.23	20.10	0.79	-0.64	8.79
6,871.00	2.11	27.16	6,868.88	22.53	-12.59	19.90	0.70	-0.65	5.74
6,965.00	2.55	339.79	6,962.81	26.03	-12.53	21.11	2.04	0.47	-50.39
7,060.00	1.67	338.03	7,057.75	29.30	-13.77	23.45	0.93	-0.93	-1.85
7,155.00	1.06	324.14	7,152.72	31.30	-14.81	25.14	0.73	-0.64	-14.62
7,250.00	1.67	337.68	7,247.69	33.29	-15.85	26.83	0.72	0.64	14.25
7,344.00	1.32	334.69	7,341.66	35.54	-16.83	28.56	0.38	-0.37	-3.18
7,439.00	2.46	346.03	7,436.61	38.50	-17.79	30.53	1.26	1.20	11.94
7,533.00	2.04	346.54	7,530.54	42.09	-18.67	32.65	0.45	-0.45	0.54
7,629.00	1.41	356.13	7,626.49	44.93	-19.14	34.12	0.72	-0.66	9.99
7,724.00	1.06	337.06	7,721.47	46.90	-19.57	35.23	0.56	-0.37	-20.07
7,818.00	2.73	351.21	7,815.42	49.92	-20.25	36.95	1.83	1.78	15.05
7,913.00	1.70	344.34	7,910.35	53.51	-20.97	38.93	1.12	-1.08	-7.23
8,008.00	2.46	1.85	8,005.28	56.91	-21.29	40.46	1.03	0.80	18.43
8,103.00	2.90	8.53	8,100.18	61.32	-20.87	41.66	0.57	0.46	7.03
8,198.00	2.37	3.61	8,195.08	65.66	-20.38	42.79	0.61	-0.56	-5.18

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: NBU 921-7F
Well: NBU 921-7F
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 921-7F
TVD Reference: GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
MD Reference: GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single 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)
8,293.00	1.76	12.48	8,290.02	69.04	-19.95	43.60	0.72	-0.64	9.34
8,388.00	1.87	6.67	8,384.97	72.01	-19.45	44.21	0.23	0.12	-6.12
8,483.00	1.23	344.62	8,479.93	74.53	-19.54	45.21	0.91	-0.67	-23.21
8,578.00	1.33	7.15	8,574.91	76.61	-19.67	46.09	0.54	0.11	23.72
8,673.00	1.18	353.88	8,669.89	78.67	-19.64	46.81	0.34	-0.16	-13.97
8,768.00	0.88	3.34	8,764.87	80.37	-19.70	47.48	0.36	-0.32	9.96
8,862.00	0.44	337.15	8,858.87	81.43	-19.80	47.95	0.56	-0.47	-27.86
8,957.00	0.18	350.60	8,953.87	81.91	-19.97	48.28	0.28	-0.27	14.16
9,052.00	0.41	325.76	9,048.86	82.34	-20.18	48.64	0.27	0.24	-26.15
9,146.00	0.54	347.96	9,142.86	83.05	-20.46	49.16	0.24	0.14	23.62
9,241.00	0.32	354.08	9,237.86	83.75	-20.59	49.53	0.24	-0.23	6.44
9,336.00	0.10	114.39	9,332.86	83.98	-20.54	49.56	0.40	-0.23	126.64
9,431.00	0.09	66.01	9,427.86	83.98	-20.39	49.43	0.08	-0.01	-50.93
9,526.00	0.27	180.57	9,522.86	83.78	-20.33	49.30	0.33	0.19	120.59
9,621.00	0.35	192.66	9,617.86	83.28	-20.39	49.18	0.11	0.08	12.73
9,716.00	0.70	199.48	9,712.85	82.45	-20.65	49.11	0.37	0.37	7.18
9,810.00	0.88	204.35	9,806.84	81.25	-21.14	49.14	0.20	0.19	5.18
9,905.00	1.23	190.90	9,901.83	79.58	-21.63	48.99	0.45	0.37	-14.16
10,000.00	1.76	181.50	9,996.79	77.12	-21.86	48.32	0.61	0.56	-9.89
10,095.00	2.28	161.39	10,091.74	73.87	-21.30	46.61	0.92	0.55	-21.17
10,190.00	2.46	159.35	10,186.65	70.17	-19.98	44.04	0.21	0.19	-2.15
10,285.00	2.57	153.69	10,281.56	66.36	-18.31	41.11	0.29	0.12	-5.96
10,380.00	2.53	150.89	10,376.47	62.61	-16.35	37.92	0.14	-0.04	-2.95
10,475.00	2.90	151.61	10,471.36	58.67	-14.19	34.48	0.39	0.39	0.76
10,570.00	2.76	147.83	10,566.25	54.62	-11.83	30.81	0.25	-0.15	-3.98
10,664.00	2.64	140.80	10,660.14	51.02	-9.25	27.11	0.37	-0.13	-7.48
10,759.00	2.46	157.77	10,755.05	47.44	-7.10	23.80	0.81	-0.19	17.86
10,854.00	2.50	152.14	10,849.96	43.72	-5.36	20.84	0.26	0.04	-5.93
11,138.00	2.73	158.29	11,133.67	31.96	0.04	11.55	0.13	0.08	2.17
11,233.00	3.08	159.53	11,228.54	27.47	1.77	8.31	0.37	0.37	1.31
11,329.00	2.90	159.61	11,324.41	22.78	3.51	4.98	0.19	-0.19	0.08
11,424.00	3.17	161.11	11,419.28	18.04	5.20	1.69	0.30	0.28	1.58
11,519.00	3.07	159.87	11,514.14	13.17	6.93	-1.69	0.13	-0.11	-1.31
11,614.00	3.17	164.36	11,609.00	8.25	8.51	-4.94	0.28	0.11	4.73
11,709.00	3.25	166.99	11,703.85	3.10	9.83	-8.04	0.18	0.08	2.77
LAST SDI MWD PRODUCTION SURVEY									
11,769.00	3.25	166.99	11,763.75	-0.22	10.59	-9.95	0.00	0.00	0.00
SDI PROJECTION TO BIT									

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
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MD Reference: GL 4710 & KB 19 @ 4729.00ft (PIONEER 54)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
3,111.00	3,110.78	8 5/8"	8.625	11.000

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
153.00	153.00	0.38	0.18	FIRST SDI MWD SURFACE SURVEY
3,082.00	3,081.79	4.70	-12.09	LAST SDI MWD SURFACE SURVEY
3,172.00	3,171.76	2.21	-12.40	FIRST SDI MWD PRODUCTION SURVEY
11,709.00	11,703.85	3.10	9.83	LAST SDI MWD PRODUCTION SURVEY
11,769.00	11,763.75	-0.22	10.59	SDI PROJECTION TO BIT

Checked By: _____ Approved By: _____ Date: _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0575B
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-7F
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2079 FNL 2869 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 07 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047507310000
PHONE NUMBER: 720 929-6511		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input 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"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/10/2013	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Production Enhancement"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator conducted the following workover/wellbore cleanout on the subject well on 7/10/2013. Please see the attached chronological well history for details. Thank you		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 29, 2013		
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 7/24/2013	

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 921-7F				Spud Date: 2/16/2012				
Project: UTAH-UINTAH			Site: NBU 921-7F			Rig Name No:		
Event: WELL WORK EXPENSE			Start Date: 6/27/2013			End Date:		
Active Datum: RKB @4,729.00usft (above Mean Sea Level)				UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/27/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= RU RIG
	7:15 - 18:00	10.75	MAINT	30		P		FWP= 150 PSI CSG, 50 PSI TUB, MOVE RIH & EQUIP FRO NBU 191 TO LOC RIG UP RIG SPOT & RU EQUIP OPEN TUB TO FBT ND W/H NU BOPS UNLAND TUBING WORK STUCK TUBING 1-1/2 HR CALL CUTTERS RIH W/ TUBING PUNCH PERF TUBING @ 10630' W/ 1000 PSI ON TUB & 15K OVER STRING WT POOH LD W/L WORK TUBING TO 110K 60K OVER STRING WT NO CHANGE SIW SDFN
6/28/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= W/L SAFETY
	7:15 - 17:00	9.75	MAINT	30		P		SIWP= 875 PSI CSG, 225 PSI TUB, WORK STUCK TUBING FROM 30K TO 100K, RU W/L RIH LOG FROM EOT @ 11310' TO 10500' POOH PU TUBING PUNCH RIH PERF TUB @ 10630' POOH WORK TUBING RIH W/ W/L PERF @ 10637' POOH WORK TUBING RIH PERF @ 10623' POOH LD W/L WORK TUBING PU FREE POINT TOOL RIH 10655' 100% STUCK, 10620' 90% FREE POOH PU CHEM CUTTER RIH CUT TUB @ 10625' POOH LD W/L PULL 1 JNT SIW SDFN
7/1/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= SCAN TUBING
	7:15 - 17:00	9.75	MAINT	30		P		SIWP= 1600 PSI CSG, 700 PSI TUB, OPEN WELL TO FBT CONTROL WELL W/ TMAC RU SCAN TECH POOH SCAN TUBING LD RB & GAULDED JNTS POOH W/ 334 JNTS 303 YB, 31 RB, RD SCAN TECH SIW SDFN
7/2/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= HANDLING FISHING TOOLS
	7:15 - 17:00	9.75	MAINT	30		P		SIWP= 350 PSI, OPEN WELL TO FBT PMP 20 BBLS TMAC TO CONTROL WELL PU OVERSHOT, BUMP SUB, JAR, COLLARS, INTENS, RIH TAG @ 10604' COULDNT WORK OVERSHOT ONTO FISH EST REV CIRC PLUGGED TUBING, PMP DOWN TUBING 2500 PSI TO PMP PLUG OUT POOH W/ 80 STANDS EOT @ 5200' SIW SDFN
7/3/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= STAND BACK COLLARS
	7:15 - 17:00	9.75	MAINT	30		P		SIWP= 0 PSI CONTINUE TO POOH STAND BACK COLLARS LD OVERSHOT PU 3-7/8 SHOE WOULDNT GO THRU W/H GET TURNED DOWN SHOE 3-13/16" RIH W/ 2 JNTS WASH PIPE JAR COLLARS TO TOP OF PERFS EOT @ 10462' SIW SDFW
7/8/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= FOAM UNIT SAFETY
	7:15 - 7:15	0.00	MAINT	30		P		SIWP= 250 PSI TUBING 1400 PSI CSG, OPEN TUBING TO FBT CONTROL W/ TMAC RIH TAG @ 10599' NU FOAM UNIT EST CIRC C/O & DRILL TO 10779' FELL FREE CIRC CLEAN CONTINUE TO RIH TAG @ 11001' C/O & DRILL TO 11064' CIRC CLEAN RD DRILLING EQUIP POOH W/ 90 STANDS EOT @ 5484' SIW SDFN
7/9/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= HANDLING FISHING TOOLS

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-7F

Spud Date: 2/16/2012

Project: UTAH-UINTAH

Site: NBU 921-7F

Rig Name No:

Event: WELL WORK EXPENSE

Start Date: 6/27/2013

End Date:

Active Datum: RKB @4,729.00usft (above Mean Sea Level)

UWI: SE/NW/0/9/S/21/E/7/0/0/26/PM/N/2,079.00/W/0/2,869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:00	9.75	MAINT	30		P		SIWP= 1600 PSI TUB & CSG, OPEN CSG TO FBT PMP TMAC DWN TUBING TO CONTROL WELL CONTINUE TO POOH W/ SHOE LD WASH PIPE PU OVERSHOT RIH TAG FISH TOP @11029' WORK OVERSHOT OVER FISH DRUG 2 JNTS POOH W/ 200 JNTS OPEN WELL TO SALES SDFN
7/10/2013	7:00 - 7:15	0.25	MAINT	48		P		JSA= WELL CONTROL
	7:15 - 18:00	10.75	MAINT	30		P		SIWP= 850 PSI CSG & TUB, OPEN WELL TO FBT CONTROL W/ TMAC CONTINUE TO POOH W/ FISH (21 JNTS & PIECE+ XN NPL) LD COLLARS PU NOTCHED 1.87XN RIH bROACHING TUBING, LAND TUBING ON HNGR W/ 356 JNTS 2-3/8" P-110 TUBING EOT @ 11296.80' MAKE LAST BROACH RUN RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW PREP TO RD IN AM SDFN