

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 921-23J1BS
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 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 0149075	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 Indian 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 type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2419 FSL 2022 FWL	NESW	23	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	2395 FSL 1817 FEL	NWSE	23	9.0 S	21.0 E	S
At Total Depth	2395 FSL 1817 FEL	NWSE	23	9.0 S	21.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1817	23. NUMBER OF ACRES IN DRILLING UNIT 640
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1307	26. PROPOSED DEPTH MD: 11189 TVD: 10954	
27. ELEVATION - GROUND LEVEL 4887	28. BOND NUMBER WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2830	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 11189	11.6	HCP-110 LT&C	13.0	Premium Lite High Strength	340	3.38	12.0
							50/50 Poz	1610	1.31	14.3

ATTACHMENTS

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" 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 05/23/2012	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047527090000	APPROVAL  Permit Manager	

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

N89°53.7'W - 39.716 (G.L.O.)
N89°51'13"W - 2621.41' (Meas.)

N89°33.3'W - 40.431 (G.L.O.)
N89°31'26"W - 2668.53' (Meas.)

N0°09.5'W - 40.173(G.L.O.)
N00°07'07"W - 2651.43' (Meas.)

N0°01.1'E - 40.094(G.L.O.)
N00°03'36"E - 2646.34' (Meas.)

N00°06'26"W (Basis of Bearings)
2646.12' (Measured)
N0°08.1'W - 40.093 (G.L.O.)

N00°05'42"W - 2646.91' (Meas.)
N0°07.6'W - 40.104 (G.L.O.)

WELL LOCATION: NBU 921-23J1BS

ELEV. UNGRADED GROUND = 4888.1'

NBU 921-23J1BS (Surface Position)
NAD 83 LATITUDE = 40.020879° (40° 01' 15.165")
LONGITUDE = 109.521196° (109° 31' 16.305")
NAD 27 LATITUDE = 40.020914° (40° 01' 15.291")
LONGITUDE = 109.520508° (109° 31' 13.830")

NBU 921-23J1BS (Bottom Hole)
NAD 83 LATITUDE = 40.020801° (40° 01' 14.885")
LONGITUDE = 109.516018° (109° 30' 57.666")
NAD 27 LATITUDE = 40.020837° (40° 01' 15.012")
LONGITUDE = 109.515331° (109° 30' 55.191")

Found 2006 Aluminum Cap in Pile of Stones

Found 2006 Aluminum Cap.

23

2022'

Well Surface Position

2419'

Bottom of Hole

2395'

1817'

Found 2006 Aluminum Cap in Pile of Stones Under E/W Fence

Found 2006 Aluminum Cap in Pile of Stones Under E/W Fence

Found 2006 Aluminum Cap, Pile of Stones.

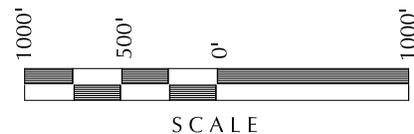
N89°25'15"W - 2654.75' (Meas.)
N89°27.4'W - 40.223 (G.L.O.)

S89°56'29"W - 2641.83' (Meas.)
S89°54.5'W - 40.028 (G.L.O.)

NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- The Bottom of hole bears S88°50'45"E 1450.78' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ 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.

John R. Raugh
No. 6028691
9-12-11
PROFESSIONAL LAND SURVEYOR
STATE OF UTAH

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

WELL PAD: NBU 921-23K

**NBU 921-23J1BS
WELL PLAT**

**2395' FSL, 1817' FEL (Bottom Hole)
NW ¼ SE ¼ OF SECTION 23, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.**



609 CONSULTING, LLC
2155 North Main Street
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

DATE SURVEYED: 7-19-11	SURVEYED BY: D.J.S.	SHEET NO: 2
DATE DRAWN: 8-18-11	DRAWN BY: T.J.R.	
SCALE: 1" = 1000'		2 OF 18