

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 1022-13E1CS
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 <input checked="" type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>		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) UT ST UO 8512 ST	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	19. SLANT VERTICAL <input 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	1989 FNL 2556 FWL	SEnw	13	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	1689 FNL 815 FWL	SWNW	13	10.0 S	22.0 E	S
At Total Depth	1689 FNL 815 FWL	SWNW	13	10.0 S	22.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 815	23. NUMBER OF ACRES IN DRILLING UNIT 600
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1426	26. PROPOSED DEPTH MD: 8742 TVD: 8383	
27. ELEVATION - GROUND LEVEL 5259	28. BOND NUMBER 22013542	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 - 2200	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 - 8742	11.6	HCP-110 LT&C	12.0	Premium Lite High Strength	280	3.38	12.0
							50/50 Poz	1230	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 Cara Mahler	TITLE Regulatory Analyst I	PHONE 720 929-6029
SIGNATURE	DATE 05/03/2013	EMAIL cara.mahler@anadarko.com
API NUMBER ASSIGNED 43047537290000	APPROVAL  Permit Manager	

Found Uintah County Alum. Cap on 3/4" rebar. Pile of Stones

T10S, R22E, S.L.B.&M.

S89°59'W - 80.02 (G.L.O.)
N89°52'55"W - 5312.93' (Meas.)

Not Monumented

Found 1991 Aluminum Cap in Pile of Stones. Fence Post on East side of Cap.

2673.25' (Measured)
N02°03'35"W (Basis of Bearings)

1689'

1989'

N0°00'51"W - 2649.55' (Meas.)
N0°02'E - 40.14 (G.L.O.)

815'
Bottom of Hole

Well Surface Position

**WELL LOCATION:
NBU 1022-13E1CS**

ELEV. UNGRADED GROUND = 5259.0'

Found 1995 Aluminum Cap. Fence Post on South side of Cap.

Found 1991 Aluminum Cap. Pile of Stones
W.C. S82°10'E
13.12 (G.L.O.)

13

N1°52'E - 39.92 (G.L.O.)
N01°49'24"E - 2634.13'
(Measured to True Corner)

NBU 1022-13E1CS (Surface Position)
NAD 83 LATITUDE = 39.950737° (39° 57' 02.653")
LONGITUDE = 109.388456° (109° 23' 18.442")
NAD 27 LATITUDE = 39.950771° (39° 57' 02.775")
LONGITUDE = 109.387776° (109° 23' 15.994")

NBU 1022-13E1CS (Bottom Hole)
NAD 83 LATITUDE = 39.951574° (39° 57' 05.668")
LONGITUDE = 109.394708° (109° 23' 40.949")
NAD 27 LATITUDE = 39.951609° (39° 57' 05.791")
LONGITUDE = 109.394027° (109° 23' 38.499")

N0°00'58"W - 2640.95' (Meas.)
N0°02'E - 40.02 (G.L.O.)

W.C. S0°17'E
2.00 (G.L.O.)

Found 1991 Aluminum Cap. Pile of Stones

Found 1991 Aluminum Cap. Pile of Stones

W.C. Found 1991 Aluminum Cap.

2626.88' (Measured to True Corner)
N89°58'30"W
N89°55'W - 39.81 (G.L.O.)

S89°54'50"W - 2675.19' (Meas.)
N89°58'W - 40.00 (G.L.O.)

Found 1991 Aluminum Cap. Pile of Stones
N00°19'44"W
2501.73' (Measured to W.C.)
2633.73' (Measured to True Corner)
N0°17'W - 39.90 (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 N80°10'16"W 1779.57' from the Surface Position.
- NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
- Bearings and Distances are based upon a Local Cartesian Grid, oriented to Geodetic North at the North 1/4 Corner of Section 8, T10S, R22E, S.L.B.&M. The Grid having a mean project height of 5300'. Lineal units used are U.S. Survey Foot.
- Basis of elevation is Tri-Sta "Two Water" located in Lot 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'.

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

WELL PAD: NBU 1022-13F

**NBU 1022-13E1CS
WELL PLAT**

**1689' FNL, 815' FWL (Bottom Hole)
SW 1/4 NW 1/4 OF SECTION 13, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH.**

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



SCALE

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.

No. 6028691
2-21-13
JOHN R. SLAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

TIMBERLINE

(435) 789-1365

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

DATE SURVEYED: 2-11-13	SURVEYED BY: W.W.	SHEET NO: 5
DATE DRAWN: 2-14-13	DRAWN BY: T.J.R.	
SCALE: 1" = 1000'		5 OF 20