

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 921-19G4CS
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 720 929-6100
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL Andy.Lytle@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 0581	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') UTE TRIBE		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
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	2034 FSL 2193 FEL	NWSE	19	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	2575 FNL 1960 FEL	SWNE	19	9.0 S	21.0 E	S
At Total Depth	2575 FNL 1960 FEL	SWNE	19	9.0 S	21.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1960	23. NUMBER OF ACRES IN DRILLING UNIT 2400
27. ELEVATION - GROUND LEVEL 4829	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 493	26. PROPOSED DEPTH MD: 11445 TVD: 11366
	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 - 2850	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 - 11445	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	350	3.38	12.0
							50/50 Poz	1640	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 Joel Malefyt	TITLE Regulatory Analyst	PHONE 720 929-6828
SIGNATURE	DATE 07/11/2014	EMAIL joel.malefyt@anadarko.com
API NUMBER ASSIGNED 43047546050000	APPROVAL  Permit Manager	

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

East 1/4 Cor. Sec. 13:
Found 1968 Brass Cap
in Pile of Stones.

N1°09'W - 40.76 (G.L.O.)
N01°03'58"W - 2690.13' (Meas.)

North 1/4 Cor. Sec. 19:
Found 2006 Aluminum
Cap in Pile of Stones.

S89°55.7'W - 40.060 (G.L.O.)
N89°59'21"W - 2644.02' (Meas.)

C.C. SW Cor. Sec. 18:
Found 1968 Brass
Cap in Pile of Stones.

S89°36.0'W - 47.034 (G.L.O.)
3103.60' (Measured to True Corner)
C.C. S89°41'11"W - 3104.34' (Measured to C.C.)

100.43'
1.51 (G.L.O.)

27.037 (G.L.O.) 19.997 (G.L.O.)

Found 2006
Aluminum Cap
in Pile of Stones.

SE Cor. Sec. 13:
Found 1968
Brass Cap.
Pile of Stones.

LOT 1

NBU 921-19G4CS (Surface Position)
NAD 83 LATITUDE = 40.019827° (40° 01' 11.377")
LONGITUDE = 109.592835° (109° 35' 34.206")
NAD 27 LATITUDE = 40.019862° (40° 01' 11.504")
LONGITUDE = 109.592145° (109° 35' 31.721")

Sec. 24
T9S, R20E,
S.L.B.&M.

C.C. West 1/4
Cor. Sec. 19:
Found 1968
Brass Cap.

N1°02'W - 39.79 (G.L.O.)
N00°55'08"W - 2626.38' (Meas.)

LOT 2

NBU 921-19G4CS (Bottom Hole)
NAD 83 LATITUDE = 40.021765° (40° 01' 18.356")
LONGITUDE = 109.592009° (109° 35' 31.233")
NAD 27 LATITUDE = 40.021801° (40° 01' 18.483")
LONGITUDE = 109.591319° (109° 35' 28.748")

2575'

Bottom of Hole

65.02'
0.97
(G.L.O.)

S89°47'34"W
5706.66' (Measured to C.C.)
5707.16' (Measured to True Corner.)

19

1960'

East 1/4 Cor.
Sec. 24: Found
1968 Brass Cap.
Pile of Stones.

**WELL LOCATION:
NBU 921-19G4CS**
ELEV. UNGRADED GROUND = 4829.4'

Well Surface
Position

Found 2006
Aluminum Cap
in Pile of Stones.

N0°54'W - 41.47 (G.L.O.)
2737.02' (Measured)
N00°48'10"W (Basis of Bearings)

LOT 3

LOT 4

SE Cor. Sec. 24:
Found 1968 Brass Cap.
Galvanized Pipe & Cap.
Pile of Stones. Cap is on
a Fence Line.

C.C. SW Cor. 19:
Found 1968 Brass
Cap with galvanized
pipe and
cap on west side.

South 1/4 Cor. Sec. 19:
Found 2006 Aluminum
Cap in Pile of Stones.

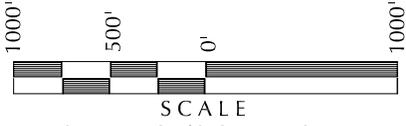
Found 2006
Aluminum Cap
in Pile of Stones
under E-W Fence.

C.C. 26.010 (G.L.O.)
S89°32'20"W 3033.11' (Measured to C.C.)
3034.65' (Measured to True Corner)
S89°27.0'W - 45.956 (G.L.O.)

S89°59'01"W 2637.73' (Meas.)
S89°54.2'W - 39.968 (G.L.O.)

NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines. G.L.O. distances are shown in feet or chains.
- 2. 1 chain = 66 feet.
- 3. The Bottom of hole bears N18°13'07"E 743.29' from the Surface Position.
- 4. NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
- 5. 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.
- 6. 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'.



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. 6028691-12-10-13
JOHN R. SLAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

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

WELL PAD: NBU 921-19J

**NBU 921-19G4CS
WELL PLAT**

2575' FNL, 1960' FEL (Bottom Hole)

**SW 1/4 NE 1/4 OF SECTION 19, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.**

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CONSULTING, LLC
2155 North Main Street
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: 9-5-12	SURVEYED BY: A.F.	SHEET NO: 2
DATE DRAWN: 9-18-12	DRAWN BY: C.T.C.	
SCALE: 1" = 1000'		2 OF 16