

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

FORM 3

AMENDED REPORT

| | | |
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| APPLICATION FOR PERMIT TO DRILL | | 1. WELL NAME and NUMBER NBU 921-19L4CS |
| 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"/> | |
| 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 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 | 1873 FSL 1986 FWL | NESW | 19 | 9.0 S | 21.0 E | S |
| Top of Uppermost Producing Zone | 1424 FSL 886 FWL | NWSW | 19 | 9.0 S | 21.0 E | S |
| At Total Depth | 1424 FSL 886 FWL | NWSW | 19 | 9.0 S | 21.0 E | S |

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|---|---|---|
| 21. COUNTY UINTAH | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 886 | 23. NUMBER OF ACRES IN DRILLING UNIT 2400 |
| 24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 878 | 25. PROPOSED DEPTH MD: 11545 TVD: 11357 | |
| 26. ELEVATION - GROUND LEVEL 4813 | 27. BOND NUMBER WYB000291 | 28. 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 - 2800 | 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 - 11545 | 11.6 | HCP-110 LT&C | 12.5 | Premium Lite High Strength | 350 | 3.38 | 12.0 |
| | | | | | | | 50/50 Poz | 1670 | 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 43047545970000 | 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.)

S89°36.0'W - 47.034 (G.L.O.)
3103.60' (Measured to True Corner)

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

100.43'
1.51 (G.L.O.)
SE Cor. Sec. 13:
Found 1968
Brass Cap.
Pile of Stones.

C.C. S89°41'11"W - 3104.34' (Measured to C.C.)
27.037 (G.L.O.)
19.997 (G.L.O.)

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

Found 2006
Aluminum Cap
in Pile of Stones.

NBU 921-19L4CS (Surface Position)
NAD 83 LATITUDE = 40.019353° (40° 01' 09.670")
LONGITUDE = 109.598250° (109° 35' 53.700")
NAD 27 LATITUDE = 40.019388° (40° 01' 09.797")
LONGITUDE = 109.597560° (109° 35' 51.214")

NBU 921-19L4CS (Bottom Hole)
NAD 83 LATITUDE = 40.018093° (40° 01' 05.133")
LONGITUDE = 109.602152° (109° 36' 07.747")
NAD 27 LATITUDE = 40.018128° (40° 01' 05.261")
LONGITUDE = 109.601462° (109° 36' 05.261")

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

C.C. NW Cor. Sec. 19:
Found 1968 Brass
Cap in Pile of Stones.

LOT 1

LOT 2

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

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

Found 2006
Aluminum Cap
in Pile of Stones.

65.02'
0.97 (G.L.O.)
East 1/4 Cor.
Sec. 24: Found
1968 Brass Cap.
Pile of Stones.

N1°02'W - 39.79 (G.L.O.)
N00°55'08"W - 2626.38' (Meas.)
N0°54'W - 41.47 (G.L.O.)
2737.02' (Measured)
N00°48'10"W (Basis of Bearings)

LOT 3

Well Surface
Position

**WELL LOCATION:
NBU 921-19L4CS**

ELEV. UNGRADED GROUND = 4813.5'

1986'
Bottom
of Hole
886'

LOT 4

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

26.010 (G.L.O.)
19.946 (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.)

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.

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 S67°18'19"W 1185.71' 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-Station "Two Water" located in Lot 4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Station 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 921-19K

**NBU 921-19L4CS
WELL PLAT**

**1424' FSL, 886' FWL (Bottom Hole)
LOT 3 OF SECTION 19, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.**

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



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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. Laugh
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

TIMBERLINE

ENGINEERING & LAND SURVEYING, INC.

209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

| | | |
|--------------------------|--------------------|-----------------------|
| DATE SURVEYED: 9-6-12 | SURVEYED BY: M.B. | SHEET NO: 4 |
| DATE DRAWN: 9-12-12 | DRAWN BY: T.J.R. | |
| SCALE: 1" = 1000' | Date Last Revised: | 4 OF 17 |