

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> NBU 921-19E1BS
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES
<b>4. TYPE OF WELL</b> Gas Well Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> NATURAL BUTTES
<b>6. NAME OF OPERATOR</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. OPERATOR PHONE</b> 720 929-6100
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 173779, Denver, CO, 80217		<b>9. OPERATOR E-MAIL</b> Andy.Lytle@anadarko.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU 0581	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> UTE TRIBE
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		<b>19. SLANT</b> 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	2616 FSL 1537 FWL	NWSW	19	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	1587 FNL 889 FWL	SWNW	19	9.0 S	21.0 E	S
At Total Depth	1587 FNL 889 FWL	SWNW	19	9.0 S	21.0 E	S

<b>21. COUNTY</b> UINTAH	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 889	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 2400
<b>24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 415	<b>25. PROPOSED DEPTH</b> MD: 11657 TVD: 11449	
<b>26. ELEVATION - GROUND LEVEL</b> 4826	<b>27. BOND NUMBER</b> WYB000291	<b>28. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 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 - 2890	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 - 11657	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	360	3.38	12.0
							50/50 Poz	1680	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

<b>NAME</b> Joel Malefyt	<b>TITLE</b> Regulatory Analyst	<b>PHONE</b> 720 929-6828
<b>SIGNATURE</b>	<b>DATE</b> 07/11/2014	<b>EMAIL</b> joel.malefyt@anadarko.com
<b>API NUMBER ASSIGNED</b> 43047546440000	<b>APPROVAL</b>   Permit Manager	

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.)

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

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

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

Found 2006  
Aluminum Cap  
in Pile of Stones.

NBU 921-19E1BS (Surface Position)  
NAD 83 LATITUDE = 40.021382° (40° 01' 16.976")  
LONGITUDE = 109.599895° (109° 35' 59.623")  
NAD 27 LATITUDE = 40.021417° (40° 01' 17.103")  
LONGITUDE = 109.599205° (109° 35' 57.137")

NBU 921-19E1BS (Bottom Hole)  
NAD 83 LATITUDE = 40.024433° (40° 01' 27.957")  
LONGITUDE = 109.602278° (109° 36' 08.201")  
NAD 27 LATITUDE = 40.024468° (40° 01' 28.085")  
LONGITUDE = 109.601587° (109° 36' 05.714")

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

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

LOT 1

LOT 2

889' Bottom of Hole

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

Well Surface  
Position

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.

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

LOT 3

LOT 4

**WELL LOCATION:  
NBU 921-19E1BS**

ELEV. UNGRADED GROUND = 4826.6'

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.

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.

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

140.01'  
2.12' (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 N30°53'50"W 1296.53' 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-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 921-19L**

**NBU 921-19E1BS  
WELL PLAT**

**1587' FNL, 889' FWL (Bottom Hole)  
LOT 2 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 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. Schlauch  
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: 9-5-12	SURVEYED BY: A.F.	SHEET NO: <b>2</b>
DATE DRAWN: 9-13-12	DRAWN BY: T.J.R.	
SCALE: 1" = 1000'		2 OF 20