

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 921-17B4CS
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) UTU0575	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	1527 FNL 2258 FEL	SWNE	17	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	1239 FNL 1823 FEL	NWNE	17	9.0 S	21.0 E	S
At Total Depth	1239 FNL 1823 FEL	NWNE	17	9.0 S	21.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1239	23. NUMBER OF ACRES IN DRILLING UNIT 1600
27. ELEVATION - GROUND LEVEL 4813	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 509	26. PROPOSED DEPTH MD: 11592 TVD: 11549
	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 - 3040	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 - 11592	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	370	3.38	12.0
							50/50 Poz	1630	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 01/07/2013	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047535190000	APPROVAL  Permit Manager	

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

Found 2006 Aluminum
Cap in Pile of Stones with
T Post on East edge.

S89°57.0'W - 40.075 (G.L.O.)
N89°58'32"W - 2645.06' (Meas.)

N89°50.1'W - 40.073 (G.L.O.)
N89°45'51"W - 2644.91' (Meas.)

Found 2006
Aluminum Cap
in Pile of Stones.

Found 2006
Aluminum Cap in
Pile of Stones.

N0°02.1'W - 39.975 (G.L.O.)
N00°02'23"E - 2638.47' (Meas.)

WELL LOCATION: NBU 921-17B4CS

ELEV. UNGRADED GROUND = 4812.7'

1527'

1239'

Bottom
of Hole

Well Surface
Position

1823'

2258'

N00°09'03"E (Basis of Bearings)
2649.93' (Measured)
N0°05.1'E - 40.148 (G.L.O.)

Found 2006
Aluminum Cap in
Pile of Stones.

Found 2006
Aluminum Cap in
Pile of Stones.

N0°08.6'W - 40.320 (G.L.O.)
N00°03'52"W - 2661.19' (Meas.)

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NBU 921-17B4CS (Surface Position)
NAD 83 LATITUDE = 40.039195° (40° 02' 21.103")
LONGITUDE = 109.574244° (109° 34' 27.278")
NAD 27 LATITUDE = 40.039231° (40° 02' 21.231")
LONGITUDE = 109.573554° (109° 34' 24.795")

NBU 921-17B4CS (Bottom Hole)
NAD 83 LATITUDE = 40.039983° (40° 02' 23.938")
LONGITUDE = 109.572691° (109° 34' 21.686")
NAD 27 LATITUDE = 40.040018° (40° 02' 24.066")
LONGITUDE = 109.572001° (109° 34' 19.203")

N00°01'53"W - 2647.25' (Meas.)
N0°06.0'W - 40.110 (G.L.O.)

Found 2006
Aluminum Cap
in Pile of Stones.

N89°54'13"W - 2634.82' (Meas.)
N89°58.7'W - 39.921 (G.L.O.)

Found 2006 Aluminum
Cap in Pile of Stones.

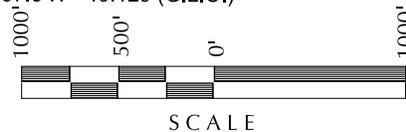
N89°53'24"W - 2648.44' (Meas.)
N89°57.5'W - 40.129 (G.L.O.)

Found 2006 Aluminum
Cap with Set Stone
North of Cap.

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 N56°39'56"E 521.17' 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. Laugh
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

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

WELL PAD: NBU 921-17G

**NBU 921-17B4CS
WELL PLAT**

**1239' FNL, 1823' FEL (Bottom Hole)
NW ¼ NE ¼ OF SECTION 17, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.**



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TIMBERLINE

(435) 789-1365

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

DATE SURVEYED: 03-06-12	SURVEYED BY: A.F.	SHEET NO: 4
DATE DRAWN: 03-27-12	DRAWN BY: J.G.C.	
SCALE: 1" = 1000'		4 OF 16