

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>
APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER NBU 921-35B4CS		
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 720 929-6007		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL Kathy.SchneebeckDulnoan@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 22582		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	488 FNL 2340 FEL	NWNE	35	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	1249 FNL 1818 FEL	NWNE	35	9.0 S	21.0 E	S
At Total Depth	1249 FNL 1818 FEL	NWNE	35	9.0 S	21.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1249		23. NUMBER OF ACRES IN DRILLING UNIT 321		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 832		26. PROPOSED DEPTH MD: 9774 TVD: 9632		
27. ELEVATION - GROUND LEVEL 4997		28. BOND NUMBER 22013542		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496		
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 11/18/2010		EMAIL gnbregulatory@anadarko.com		
API NUMBER ASSIGNED 43047513440000		 Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	9774		
Pipe	Grade	Length	Weight			
	Grade I-80 Buttress	9774	11.6			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	11	8.625	0	2330		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	2330	28.0			

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

WEST - 80.00 (G.L.O.)

N89°47'37"W - 2646.18' (Meas.)

N89°47'25"W - 2645.99' (Meas.)

Found Uintah County Aluminum Cap in Pile of Stones.

Found 1" Aluminum Cap on 5/8" Rebar. Pile of Stones.

N00°21'17"W - 2645.28' (Meas.)

N00°03'W - 81.10 (G.L.O.)
N00°12'59"E

2703.72' (Measured to C.C.)
2702.74' (Measured to True Corner)

Found Uintah County Surveyor 1 1/2" Aluminum Cap on 5/8" Rebar in Pile of Stones.

Found 1 1/2" Aluminum Cap on 5/8" Rebar in Pile of Stones.

N00°03'14"W (Basis of Bearings)
2641.51' (Measured)
N00°03'E - 79.80 (G.L.O.)

Found Uintah County Aluminum Cap in Pile of Stones.

Well Surface Position

Bottom of Hole

2340'

1818'

WELL LOCATION: NBU 921-35B4CS

ELEV. UNGRADED GROUND = 4996.9'

35

NBU 921-35B4CS (Surface Position)
NAD 83 LATITUDE = 39.998425° (39° 59' 54.330")
LONGITUDE = 109.517834° (109° 31' 04.203")
NAD 27 LATITUDE = 39.998460° (39° 59' 54.456")
LONGITUDE = 109.517147° (109° 31' 01.729")

NBU 921-35B4CS (Bottom Hole)
NAD 83 LATITUDE = 39.996332° (39° 59' 46.795")
LONGITUDE = 109.515967° (109° 30' 57.482")
NAD 27 LATITUDE = 39.996367° (39° 59' 46.922")
LONGITUDE = 109.515280° (109° 30' 55.008")

LOT 4

LOT 1

LOT 3 2.19 (G.L.O.) 144.58'

LOT 2 2543.51'

1.51 (G.L.O.) 99.10'

2.50 (G.L.O.) 164.44'

Found 1977 Brass Cap in Pile of Stones.

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S89°07'53"W - 2666.15' (Meas.)
S89°06'W - 40.39 (G.L.O.)

S89°14'29"W - 2688.09' (Meas.)
S89°12'W - 40.73 (G.L.O.)

2678.51' (Meas.)
S89°06'03"W
S89°06'W - 40.59 (G.L.O.)

NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. The Bottom of hole bears S34°25'08"E 924.82' from the Surface Position.
- 4. Bearings are based on Global Positioning Satellite observations.
- 5. Basis of elevation is Tri-Sta "Two Water" located in the NW 1/4 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'.



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.

PROF. JOHN R. LAUGH
No. 6028691
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 921-35B

**NBU 921-35B4CS
WELL PLAT**

**1249' FNL, 1818' FEL (Bottom Hole)
NW 1/4 NE 1/4 OF SECTION 35, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.**



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(435) 789-1365

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

DATE SURVEYED: 09-24-10	SURVEYED BY: M.S.B.	SHEET NO: 1
DATE DRAWN: 09-27-10	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'		1 OF 16