

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 Bonanza 1023-16B4BS
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 PONDEROSA
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) ML 22186 A	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	2137 FNL 643 FEL	SENE	16	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	826 FNL 1818 FEL	NWNE	16	10.0 S	23.0 E	S
At Total Depth	826 FNL 1818 FEL	NWNE	16	10.0 S	23.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 826	23. NUMBER OF ACRES IN DRILLING UNIT 320
27. ELEVATION - GROUND LEVEL 5473	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1468	26. PROPOSED DEPTH MD: 8497 TVD: 8083
	28. BOND NUMBER 22013542	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 - 2280	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 - 8497	11.6	I-80 LT&C	12.5	Premium Lite High Strength	270	3.38	12.0
							50/50 Poz	1180	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 06/01/2012	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047527810000	APPROVAL  Permit Manager	

T10S, R23E, S.L.B.&M.

S89°59'W - 79.86 (G.L.O.)

N89°52'46"E - 2636.15' (Meas.)

N89°55'09"E - 2635.95' (Meas.)

Found 1995 Aluminum Cap in Pile of Stones.

Found 1991 Aluminum Cap with Pile of Stones.

Found 1995 Aluminum Cap in Pile of Stones.

N00°02'W - 40.06 (G.L.O.)
N00°08'23"W - 2644.47' (Meas.)

Bottom of Hole

826'

1818'

2137'

WELL LOCATION: BONANZA 1023-16B4BS

ELEV. UNGRADED GROUND = 5488.2'

Well Surface Position

N00°19'17"W (Basis of Bearings)
2639.19' (Measured)
N00°13'W - 39.98 (G.L.O.)

Found 1995 Aluminum Cap in Pile of Stones.

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Found 1995 Aluminum Cap in Mound of Stones.

N00°01'E - 40.20 (G.L.O.)
N00°03'17"W - 2653.04' (Meas.)

BONANZA 1023-16B4BS (Surface Position)
NAD 83 LATITUDE = 39.950426° (39° 57' 01.534")
LONGITUDE = 109.324774° (109° 19' 29.188")
NAD 27 LATITUDE = 39.950460° (39° 57' 01.655")
LONGITUDE = 109.324097° (109° 19' 26.750")

BONANZA 1023-16B4BS (Bottom Hole)
NAD 83 LATITUDE = 39.954026° (39° 57' 14.492")
LONGITUDE = 109.328985° (109° 19' 44.345")
NAD 27 LATITUDE = 39.954059° (39° 57' 14.614")
LONGITUDE = 109.328307° (109° 19' 41.906")

S00°16'19"W - 2612.40' (Meas.)
N00°22'E - 39.58 (G.L.O.)

Found 1995 Aluminum Cap with Pile of Stones.

N88°44'39"E - 2577.46' (Meas.)
S88°49'W - 39.04 (G.L.O.)

Found 1995 Aluminum Cap with Pile of Stones.

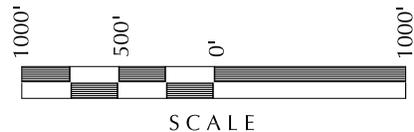
S89°58'25"E - 2688.68' (Meas.)
N89°53'W - 40.73 (G.L.O.)

Found 1995 Aluminum Cap with Pile of Stones.

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 N42°04'55"W 1764.70' 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.

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: BONANZA 1023-16H

BONANZA 1023-16B4BS
WELL PLAT
826' FNL, 1818' FEL (Bottom Hole)
NW ¼ NE ¼ OF SECTION 16, T10S, R23E,
S.L.B.&M., UTAH COUNTY, UTAH.



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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: 01-05-12	SURVEYED BY: W.W.	SHEET NO: 1
DATE DRAWN: 01-09-12	DRAWN BY: J.G.C.	
SCALE: 1" = 1000'		1 OF 19