

**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 1022-12G4CS
<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> 720 929-6515
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 173779, Denver, CO, 80217		<b>9. OPERATOR E-MAIL</b> julie.jacobson@anadarko.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UT ST UO 01997-A ST	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>
<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
<b>LOCATION AT SURFACE</b>	1849 FNL 1709 FEL	SWNE	12	10.0 S	22.0 E	S
<b>Top of Uppermost Producing Zone</b>	2566 FNL 1813 FEL	SWNE	12	10.0 S	22.0 E	S
<b>At Total Depth</b>	2566 FNL 1813 FEL	SWNE	12	10.0 S	22.0 E	S

<b>21. COUNTY</b> UINTAH	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1813	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 1674
<b>27. ELEVATION - GROUND LEVEL</b> 5180	<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 758	<b>26. PROPOSED DEPTH</b> MD: 8522 TVD: 8415
	<b>28. BOND NUMBER</b> 22013542	<b>29. 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
<b>Surf</b>	11	8.625	0 - 2150	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
<b>Prod</b>	7.875	4.5	0 - 8522	11.6	I-80 LT&C	12.5	Premium Lite High Strength	270	3.38	11.0
							50/50 Poz	1170	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> Gina Becker	<b>TITLE</b> Regulatory Analyst II	<b>PHONE</b> 720 929-6086
<b>SIGNATURE</b>	<b>DATE</b> 09/13/2011	<b>EMAIL</b> gina.becker@anadarko.com

<b>API NUMBER ASSIGNED</b> 43047519770000	<b>APPROVAL</b>   Permit Manager
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# T10S, R22E, S.L.B.&M.

Found 1991 Aluminum Cap with Pile of Stones. Fence Post on SE side of Cap.

S89°59'W - 40.01 (G.L.O.)  
S89°57'13"W - 2640.76' (Meas.)

N89°39'W - 40.01 (G.L.O.)  
N89°41'22"W - 2640.46' (Meas.)

Found 1991 Aluminum Cap in Pile of Stones. Fence Post on North side of Cap.

N0°01'W (G.L.O.)  
N00°25'25"E - 5276.36' (Meas.)

Not Monumented

**WELL LOCATION:  
NBU 1022-12G4CS**

ELEV. UNGRADED GROUND = 5179.7'

12

Bottom of Hole

Well Surface Position

Found 1991 Aluminum Cap with Pile of Stones. Fence Post on North side of Cap.

N00°03'41"E (Basis of Bearings)  
2640.93' (Measured)  
N0°07'E - 40.02 (G.L.O.)

NBU 1022-12G4CS (Surface Position)  
NAD 83 LATITUDE = 39.965606° (39° 57' 56.183")  
LONGITUDE = 109.384946° (109° 23' 05.805")  
NAD 27 LATITUDE = 39.965641° (39° 57' 56.306")  
LONGITUDE = 109.384265° (109° 23' 03.356")

NBU 1022-12G4CS (Bottom Hole)  
NAD 83 LATITUDE = 39.963640° (39° 57' 49.105")  
LONGITUDE = 109.385323° (109° 23' 07.161")  
NAD 27 LATITUDE = 39.963674° (39° 57' 49.228")  
LONGITUDE = 109.384642° (109° 23' 04.712")

Not Monumented

N00°05'48"E - 2634.07' (Meas.)  
N0°09'E - 39.91 (G.L.O.)

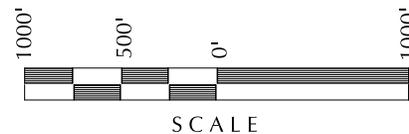
Found Uintah County Aluminum Cap on 3/4" rebar. Pile of Stones

N89°52'55"W - 5312.93' (Meas.)  
S89°59'W - 80.02 (G.L.O.)

Found 1991 Aluminum Cap in Pile of Stones. Fence Post on East side of Cap.

**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 S08°20'16"W 724.16' 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 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. Haugh*  
No. 6028691  
JOHN R. HAUGH  
PROFESSIONAL LAND SURVEYOR  
REGISTRATION No. 6028691  
STATE OF UTAH 2-10-11

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

**WELL PAD: NBU 1022-12G**

**NBU 1022-12G4CS  
WELL PLAT**

**2566' FNL, 1813' FEL (Bottom Hole)  
SW ¼ NE ¼ OF SECTION 12, T10S, R22E,  
S.L.B.&M., UTAH COUNTY, UTAH.**



**CONSULTING, LLC**  
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Sheridan WY 82801  
Phone 307-674-0609  
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**TIMBERLINE**

(435) 789-1365

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

DATE SURVEYED: 01-25-11	SURVEYED BY: R.Y.	SHEET NO: <b>4</b>
DATE DRAWN: 02-02-11	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'		4 OF 16