



Robert L. Bayless, Producer LLC

**WORKOVER PROCEDURE
GOVERNMENT POHLMAN #1
MANCOS
MOFFAT COUNTY, COLORADO
NWNW Section 15 – 4N – 91W
Surface Location: Latitude 40.32645 N, Longitude 107.60041”
AFE No.
API No. 05-081-05169
November 07, 2013**

CONTACT INFORMATION:

1ST CONTACT(S)	John D. Thomas	Office: (505) 564-7806	Cell: (505) 320-5234
	Tom McCarthy	Office: (505) 326-2659	Cell: (505) 320-4275
	Albert Aranda	Office: (505)-326-2659	Cell: (505) 486-5006

<u>ELEVATION:</u>	K.B. – 6,988’	G.L. – 6,985’	(KB = 3’)
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<u>CASING:</u>	10-3/4” 40.5# J-55	10.050” ID, 9.894”	From Surface – 106’
	ST&C	Drift	
	Burst: 3,130 psi	Collapse: 1,580 psi	Capacity: 0.0981 bbls/ft
	7” 20# J-55 LT&C	6.456” ID, 6.331”	From Surface – 2,476’
		Drift	
	Burst: 3,740 psi	Collapse: 2,270 psi	Capacity: 0.0393 bbls/ft

<u>Tubing:</u>	2 3/8” 4.6# J-55	1.995” ID, 1.901”	From Surface – 3,036’
	LTC	Drift	
	Burst: 7,700 psi	Collapse: 8,100 psi	Capacity: 0.00387 bbl/ft

<u>Packer:</u>	7” x 2 3/8” 20# compression packer	
	RS11-10	1,955’

<u>Rods:</u>	Polish Rod	1 1/4”	16 ft
	Pony Rods	7/8”	2 ft
	Rods	3/4”	2975 ft
	<u>Pump 2”x1-1/2”x12’</u>		12 ft
	Total		3005 ft

<u>PBTD:</u>	3,140’
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PRESENT
CONDITIOIN:

Well is shut-in

DIRECTIONS:

OBJECTIVE:

To isolate casing leak with 4.5" liner and packer.

SUMMARY

PROCEDURE:

1. MIRU completion rig.
2. Unseat Packer and pull out of hole with rods, pump and tubing.
3. Pick up 4.5" 11.6# J-55 Tubing and 7" x 4.5" external packer
4. TIH with 2,100' of casing and set packer
5. Place well head and TIH with production tubing, rods and pump.
6. Return to pump.

EHS:

- ROBERT L BAYLESS, PRODUCER LLC REQUIRES THAT ALL EMPLOYEES AND CONTRACTORS WHO PERFORM WORK AT A BAYLESS LOCATION PLACE A HIGH PRIORITY ON ENVIRONMENTAL, HEALTH, AND SAFETY PERFORMANCE.
- CONTRACTORS SHALL CONFORM TO ALL SAFETY AND ENVIRONMENT REGULATIONS SET FORTH BY THE BLM, STATE OF COLORADO, EPA, OSHA, ROBERT L BAYLESS, PRODUCER LLC AND ALL OTHERS IN PERFORMANCE OF THE WORK. PERSONNEL VIOLATING KNOWN SAFETY PROCEDURES OR POLICY ARE SUBJECT TO IMMEDIATE REMOVAL FROM BAYLESS PROPERTY.
- NO TASK IS SO IMPORTANT THAT IT BE PERFORMED AT THE RISK OF HEALTH AND SAFETY. EVERY PERSON ON LOCATION HAS THE AUTHORITY, AND OBLIGATION, TO STOP WORK AT ANYTIME IF UNSAFE CONDITIONS ARE OBSERVED.
- ALL PERSONEL ON LOCATION SHALL UTILIZE PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIRED BY BAYLESS, CONTRACTORS, OR REGULATORS.
- THE WORK AREA WILL BE MAINTAINED IN A CLEAN AND ORDERLY FASHION. MINOR LEAKS AND SPILLS MUST BE CLEANED UP PROMPTLY AND THE SOURCE OF THE SPILL/LEAK REPAIRED.
- MAJOR LEAKS MUST BE CONTAINED AND REPORTED TO BAYLESS REPRESENTATIVE AND CONTRACTOR SUPERVISOR. REPORTABLE SPILL VOLUMES MUST BE REPORTED TO APPROPRIATE REGULATORY AGENCIES.
- ALL WORK-RELATED ACCIDENTS, INJURIES, NEAR MISSES, AND UNSAFE CONDITIONS OR ACTS, REGARDLESS OF SEVERITY, SHALL BE IMMEDIATELY REPORTED TO AN ONSITE SERVICE COMPANY SUPERVISOR AND A BAYLESS REPRESENTATIVE.
- NO SMOKING IS ALLOWED AT WORK SITE EXCEPT FOR IN DESIGNATED AREAS.
- NO WORK, PARKING, OR OTHER ACTIVITIES SHOULD TAKE PLACE OUTSIDE OF THE PREVIOUSLY DISTURBED WORK AREA (LOCATION).

OCCASIONALLY, EVENTS NECESSITATE DEVIATING FROM THE COMPLETION PROCEDURE. IF SAFETY IS AT RISK, PERFORM THE NECESSARY CHANGES AND THEN NOTIFY THE BAYLESS REPRESENTATIVES LISTED ON PAGE ONE. OTHERWISE, BEFORE ANY CHANGES ARE MADE TO THE PROCEDURE, CHANGES NEED TO BE CLEARED WITH ONE OF THE PEOPLE ON THE CONTACT LIST.

DETAILED PROCEDURE:

1. MIRU workover rig with pump rig pit and 3M BOP. Anchors have been previously set and tested.
2. Un-seat packer at 1,955 ft.
3. Move in Hot oil Truck and pump 60 bbl of hot oil down tubing casing annulus.
4. Unseat pump and pump 20 bbl hot oil down tubing to flush.
5. TOOH with Rods and Pump as follows:

1-1/4"x16' polished rod (16' in)	16
1 - 7/8" x 2' pony rod	2
119 7/8"x25' sucker rods	2975
2"x1-1/2"x12'	12
Total	3005

6. TOOH with 3036 ft of 2 3/8" tubing (**talley tubing out of hole**).

KB	3
hanger	0.8
64 - 2-3/8" 4.7# J-55 EUE	1950.83
2-3/8" x 7" XO Sub	0.71
2 7/8" x 7" PSI-x RHR	7.45
2-3/8" x 7" XO Sub	0.71
33 - 2-3/8" 4.7# J-55 EUE	1039.44
SN	1.5
1- 2-3/8" 4.7# J-55 EUE	31.07
TOTAL	3035.51

7. Remove 2 3/8" x 7" wellhead.
8. MI 2,100' of 4.5" J-55 11.6# casing.
9. MI Halliburton 4.5" x 7" external packer and hand.
10. Pick up packer assembly and run per tool hand specifications.
11. PU and TIH with 2,100 ft of 4.5" casing and set in packer.
12. Nipple up new 2 3/8" wellhead and change pipe rams on BOP.
13. Nipple up BOP and TIH with production tubing as follows:

KB	3
hanger	0.8
64 - 2-3/8" 4.7# J-55 EUE	1950.83
33 - 2-3/8" 4.7# J-55 EUE	1039.44
SN	1.5
1- 2-3/8" 4.7# J-55 EUE	31.07
TOTAL	3026.64

14. Swab well to check water cuts.

15. TIH with Rods and Pump as follows:

1-1/4"x16' polished rod (16' in)	16
2 - 7/8" x 8' pony rod	16
1 - 7/8" x 2' pony rod	2
118 7/8"x25' sucker rods	2950
2"x1-1/2"x12'	12
Total	2996

16. Return well to pump.

17. RDMO



Oil Tools
Lafayette, LA
337-233-6666

Fishing Services
Lafayette, LA
337-233-3666

Well Services
Slidell, LA
985-781-2523

Manufacturing
Lafayette, LA
337-233-9100

COMPANY Robert L Bayless, Producer LLC DEPT. Engineering
SUBJECT GOV'T POHLMAN #1 API # 05-081-05169
LOCATION NW, 15, 4N, 91W MOFFAT, CO BY JT DATE 9/20/2013

G.L. ~ 6,982 ft

K.B. ~ 6,985 ft

* Well is Niobrara from
Surface to PBD

TOC @ 60'

10 3/4" 40.5# CSG @ 106'

* Bad 7" Casing 1,833 ft - 924 ft

Proposed 4.5" 11.6# J-55
Casing w/ 4.5" x 7"

Seal Packer to isolate
holes in 7" Casing
Set @ ~2,100 ft

TOC @ 1888'

Liner Hanger @ 2,170'

7" 20# CSG @ 2,476'

OPEN HOLE 2,476 - 3,140'

5.5" Liner @ 3,140'