

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION  
P.O. Box 2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	3004510137
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Calloway LS
8. Well No.	2
9. Pool name or Wildcat	Blanco MV/Aztec PC
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	5660' GR

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. Name of Operator Amoco Production Company	Attention: Mike Curry
3. Address of Operator P.O. Box 800 Denver Colorado 80201 (303) 830-4075	
4. Well Location Unit Letter H : 1840 Feet From The North Line and 800 Feet From The East Line Section 34 Township 31N Range 11W NMPM San Juan County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5660' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See attached procedures.

TEST + REPAIR CASING OR REPAIR BRADENHEAD

RECEIVED  
JUL 30 1993  
OIL CON. DIV.  
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mike Curry TITLE Business Analyst DATE 07-28-1993  
TYPE OR PRINT NAME Mike Curry TELEPHONE NO. \_\_\_\_\_

(This space for State Use)

APPROVED BY Original Signed by CHARLES GHOLSON TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUL 30 1993  
CONDITIONS OF APPROVAL, IF ANY:

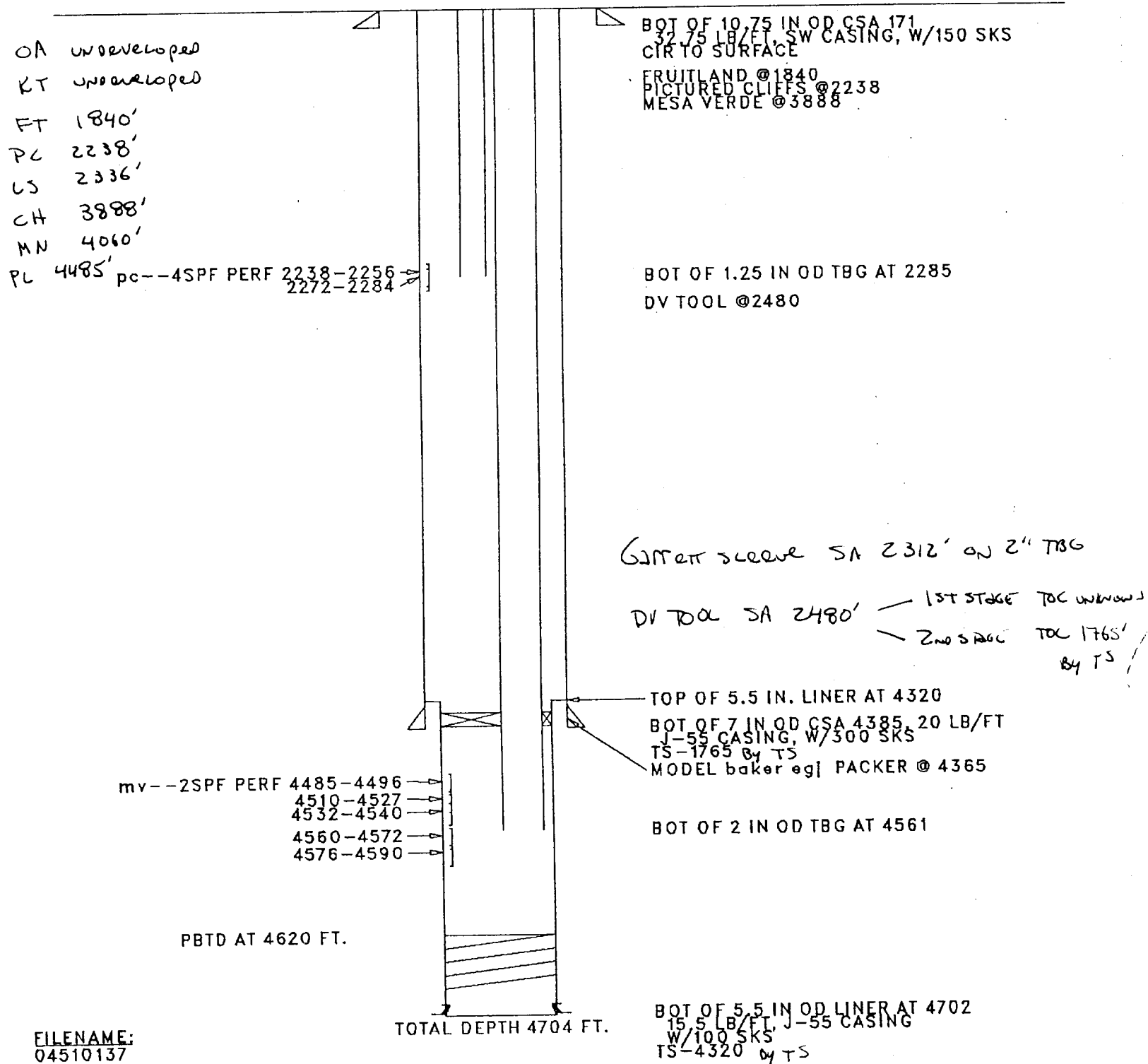
Workover Procedure  
Calloway LS #2  
Sec.34-T31N-R11W  
San Juan County, NM

1. Contact Federal or State agency prior to starting repair work.
2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
3. Install and/or test anchors.
4. MIRUSU. Check and record tubing, casing and bradenhead pressures.  
NOTE: Dual tubing strings!
5. Blow well down, kill well if necessary with 2% KCL.
6. Nipple down well head, nipple up and pressure test BOP's.
7. Trip out of hole and lay down 1.25" tubing. Check condition of tubing.
8. Release Baker EGJ pkr. Trip out of hole and lay down 2" tubing and pkr. Check condition of tubing.
9. Trip in the hole with work string, and bit and scraper for the intermediate casing and trip in to the top of the liner. Trip out of the hole with bit and scraper. Trip in hole with second bit and scraper and run from the top of the liner to the top of the perforations.
10. Trip in the hole with RBP and PKR for 5.5" casing. Set RBP above Dakota perforations. Trip out of hole one joint and set PKR and pressure test RBP to 1500 psi. Release PKR, spot sand on RBP and trip out of hole with pkr. Trip in hole with pkr for 7" casing. Pressure test liner and csg to 1000 psi. If no leak is found, trip out of hole with PKR and skip to step 12.
11. Trip out of hole isolating leak in liner, if any. If a liner leak is found, establish injection rate and check for circulation around liner top. Also, determine if there is a leak above the top of the liner. Trip out of hole with PKR.
12. Repeat casing pressure test above Pictured Cliffs perforations.
13. Determine from well file and history, the interval a CBL needs to be run between the RBP and the surface. If a CBL is needed, run CBL over the interval necessary under 1000 psi and report results to Denver. Different size CBL tools may be required in the liner versus the intermediate casing.
14. If there are no casing leaks, skip to step 16.
15. If there is a leak in the liner and a leak above the top of the liner, trip in hole with a RBP that fits the liner and a PKR that fits the intermediate casing. Set RBP 30-60' below the top of the liner. Release PKR and trip out of hole isolating leak in the intermediate casing.

16. Based on the location of the leak, if any, and the results of the CBL, perforate casing if necessary with 4 JSPF and circulate dye if possible to determine cement volume. Depending on the depth of the hole and circulating pressure, a PKR or a cement retainer may be needed.
17. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to circulate to surface, if circulation to surface is possible. Shut bradenhead valve and attempt to obtain a squeeze pressure and WOC.
18. Trip out of hole. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.
19. If cement is not circulated to the surface, it may be necessary to run another CBL (and/or temperature survey 8-10 hours after cementing) and repeat steps 16 thru 18.
20. Trip in the hole with retrieving head for RBP, circulate sand off of RBP and trip out of hole with plug.
21. If there is a leak in the liner top, trip in hole with a PKR. If there is no leak in the liner top, skip to step 24.
22. Mix and pump sufficient cement (class B or equivalent with two hour setting time) to squeeze liner top. Attempt to obtain a squeeze pressure and WOC.
23. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leak if liner top fails pressure test.
24. If there is a second RBP in the liner, trip in the hole with a retrieving head, circulate sand off of the RBP and trip out of hole with the plug.
25. If there is a leak in the liner or squeeze work is required based on the CBL, perforate casing, if necessary with 4 JSPF. Trip in hole with a cement retainer and set above the leak or perforations.
26. Mix and pump sufficient cement (class B or equivalent with two hour setting time) and attempt to obtain a squeeze pressure and WOC.
27. Trip in the hole with bit and scraper and drill out cement and pressure test casing. Re-squeeze leaks if casing fails pressure test.
28. Trip in the hole with retrieving head for RBP set in the liner, circulate sand off of RBP with 2% KCL and trip out of hole with plug.
29. Trip in hole with a sawtooth collar and/or bailer and clean out to PBTD and trip out of hole.
30. Trip in hole with 2" tubing and new Baker production pkr. Land tubing at original depth.
31. Trip in hole with 1.25" tubing. Land tubing at original depth.
32. Nipple down BOP's. Nipple up well head.

33. Return Pictured Cliffs and Dakota to production.
34. Rig down move off service unit.

CALLOWAY LS 002  
 Location - 34H- 31N-11W  
 DUAL pc-mv  
 Orig.Completion - 5/57  
 LAST FILE UPDATE - 8/92 BY CSW



FILENAME:  
 04510137



STATE OF NEW MEXICO  
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6176

PC + MC

Run 17  
BUD

BRADENHEAD TEST REPORT  
(Submit 2 copies to above address)

Date of Test 2/28/93 Operator Amoco Production, 200 Amoco Court, Farmington, NM  
Lease Name Calaway Well No. 2 Location: Unit     Section 34 Township 31 N Range 11 W  
Pressure (Shut-in or Flowing)     Tubing 230 Intermediate     Casing 65 Bradenhead 70

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:		BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	INTERMEDIATE	CASING		
5 min.	<u>70</u>	<u>70</u>	Steady Flow <u>   </u>	
10 min.		<u>25</u>	Surges <u>   </u>	
15 min.			Down to Nothing <u>   </u>	
20 min.			Nothing <u>   </u>	
25 min.			Gas <u>Some Gas</u>	
30 min.			Gas & Water <u>   </u>	
			Water <u>✓ steady flow</u>	

If Bradenhead flowed water, check description below:

CLEAR     FRESH     SALTY ✓ SULFUR P BLACK    

REMARKS:

dark salt water, after 5 min. water cleared still  
salty and smelly

By T.A. Blair Witness      
Dumper