

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

SF079609

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McCroden A

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Tapacito PC

11. SEC., T., R., M., OR B.L. AND  
SURVEY OR AREA

Sec. 9, T25N-R3W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

FRACURE TREAT ☐

MULTIPLE COMPLETION ☐

HOOT OR ACIDIZE ☐

ABANDON\* ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other) ☐

Recompletion ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACURE TREATMENT ☐

ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT\* ☐

(Other) ☐

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

We propose that the subject Pictured Cliffs well be plugged back and the Fruitland Coal opened stimulated. This well was drilled and completed in November, 1988. After the PC frac job, the well was thoroughly cleaned to the point that water and sand production was zero. However, the 30-day shut-in pressure was only 110 psi. The subject new well is not capable of gas production from the Pictured Coal. An evaluation by the Exploitation Department has identified several Fruitland Coal seams that warrant testing. Recoverable reserves are estimated to be 0.5 - 1.0 BCF. Procedure attached.

RECEIVED  
MAR 23 1990  
OIL CON. DIV  
DIS. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

*Sam White*

TITLE Regulatory Permit Coord.

DATE MAR 15 1990

(This space for Federal or State office use)

Approved

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCD

Ken Townsend

FOR Chief, Exploitation  
Manager, Exploitation  
Fruitland Coal

\*See Instructions on Reverse Side


RECOMMENDED PROCEDURE  
McCRODEN A #10


1. Test anchors.
2. MIRUSU. TOH with 2-3/8" tubing.
3. TIH with 4-1/2" cement retainer on 2-3/8" tubing and set at 3640'.
4. Squeeze Pictured Cliffs perms with 50 sx cement. TOH.
5. Pressure test to 4250 psi. TIH with tubing to 2000' and swab out water. TOH.
6. Using full lubricator, perf Fruitland coal with 4 - 0.50" SPF at 3556'-58', 3562'-66', 3572'-80', 3587'-89', and 3594'-98'. Total 100 holes.
7. Rig up frac tanks and frac crew to allow for mixing gel on fly. Frac Fruitland coal down 4-1/2" casing at 40 BPM with 30# crosslinked borate gel and the following sand schedule.

<u>Stage</u>	<u>Fluid</u>	<u>Sand Size</u>	<u>Amount</u>
Pad	20,000 gals		
(Fluid Loss) 1 PPG	10,000 gals	40/70	10,000#
(Fluid Loss) 2 PPG	5,000 gals	40/70	10,000#
2 PPG	10,000 gals	20/40	20,000#
3 PPG	13,000 gals	20/40	39,000#
4 PPG	10,000 gals	20/40	40,000#
5 PPG	2,000 gals	20/40	10,000#
5 PPG (resin coated & activator)	1,000 gals	20/40	5,000#
Flush	(2,361 gals)		
	<u>71,000 gals</u>		<u>134,000#</u>

Maximum pressure = 4250 psi. Anticipated ATP = 3500 psi. Tag all sand with IR-192. Use computer van to monitor treating pressure. Have capacity to pump at 60 BPM.

8. TIH with 3-7/8" bit on 2-3/8" tubing and clean out with air/mist to new PBTD 3640'. Obtain pitot gauges and water rates when possible.
9. Run after frac gamma ray log 3640'-3300'.
10. TIH with 32' mud anchor and purge valve, 4' perf sub, and standard seating nipple on 2-3/8" tubing. Land tubing at 3570'.
11. Run 2" x 1-1/2" RWAC-LEQ insert pump with Martin ring plunger on 3/4" rods. Install pumping tee, stuffing box, and pumping unit on concrete base.

  
P. M. Pippin  
Production Engineer

  
N. K. Buller  
Sr. Drilling Foreman

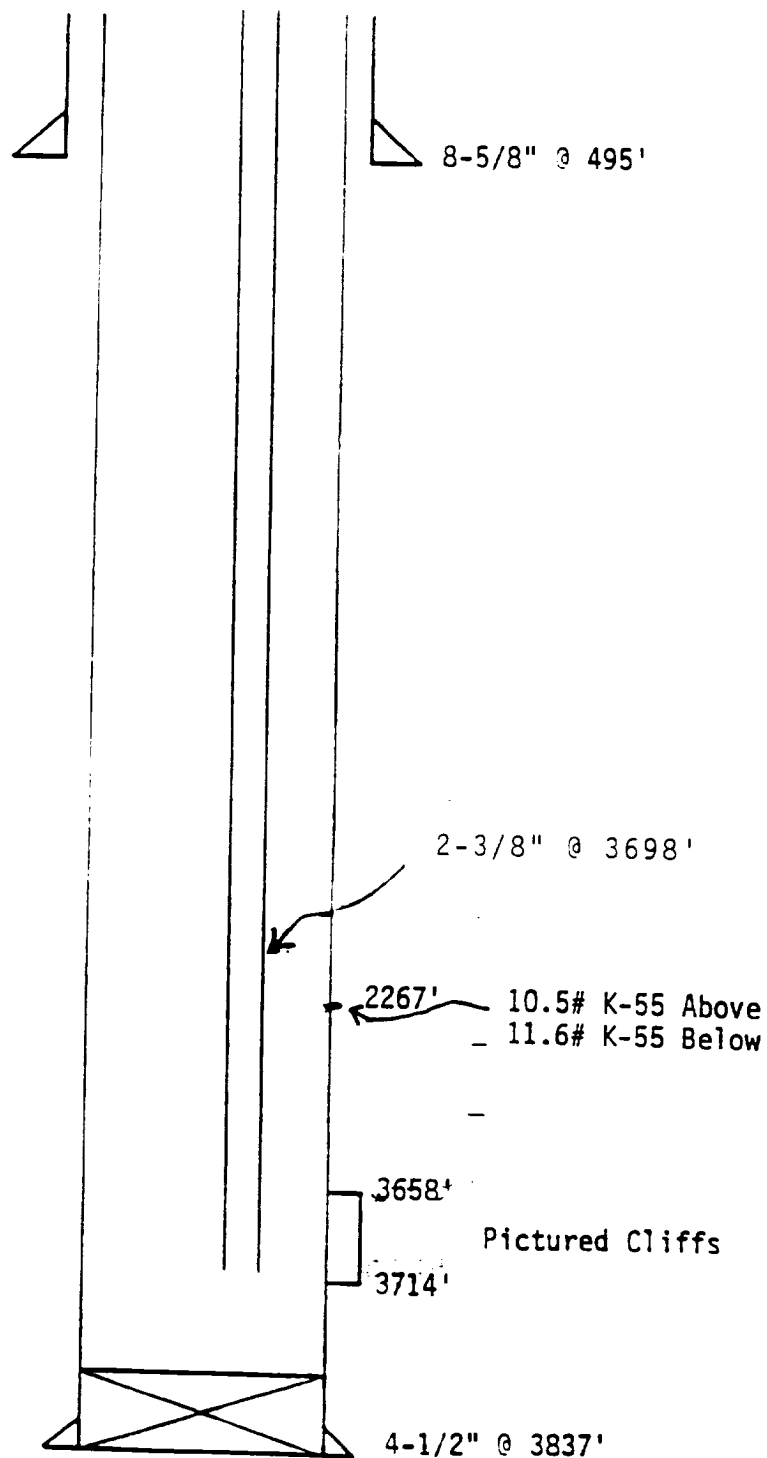
WELL BORE DIAGRAM FOR

McCroden A #10 PC

1485' FSL, 1660' FWL

Section 9, T25N-R3W

Rio Arriba County, NN



WORKOVER DATA SHEET

WELL NAME McCroden A #10

DATE 01/25/90

LOCATION 1485' FSL; 1660' FEL  
Section 9, T25N-R3W  
Rio Arriba County, NM

DATUM KB (12' above G.L.)

ELEVATION 7145' G.L.

TOTAL DEPTH 3837'

FIELD FORMATION Tapacito Pictured Cliffs

UTP W.I. 100%  
NRI = 84.5%

COMPLETED

INITIAL POTENTIAL

PLUG BACK TOTAL DEPTH

11/20/88

0

3797'

<u>CASING RECORD</u>	<u>CASING SIZE</u>	<u>WT. &amp; GRADE</u>	<u>DEPTH SET</u>	<u>CEMENT</u>	<u>TOP CEMENT</u>
	8-5/8"	24.00# K-55	495'	325 sx	Circ cmt
	4-1/2"	10.5# & 11.6# K-55 (2267') (1555')	3837'	250 sx	Circ cmt
			DV @ 2670'	430 sx	Circ cmt

TUBING RECORD

2-3/8"	4.7# J-55	3698'
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WELL HEAD

LOGGING RECORD

Induction, Density Neutron, CBL

STIMULATION

Perfed PC 3658'-3714' with 11 - 0.32" holes and fraced with 95,000#  
in 70 quality foam

WORKOVER HISTORY

None

PRODUCTION HISTORY

None