

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SF 079035-A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Caulkins Oil Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 340 Bloomfield, New Mexico 87413			8. FARM OR LEASE NAME Breech "A"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' F/N and 1980' F/VL At proposed prod. zone Same			9. WELL NO. 134	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 35 Miles Southeast of Blanco, New Mexico			10. FIELD AND POOL OR WILDCAT UNDER Fruitland COAL	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, 26N 6W	
16. NO. OF ACRES IN LEASE 2400			12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1000'			20. ROTARY OR CABLE TOOLS	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6538 GR			22. APPROX. DATE WORK WILL START* 11-10-88	
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13 3/8"	7	318'	350 Sacks
12 3/4"	9 5/8"	36 & 40	2990'	500 Sacks
8 3/4"	7"	23 & 26	7210'	Plugged back to 5490', 1978

October, 1977 Approval received to plug back from 6880' to 5490' and then to recompleat in Mesa Verde Zone.

It is now proposed to Plug Back and test Fruitland formation for possible Commerical Production.

Well history previous to 10-28-77 as shown on approved form 9-331

Well history 1977 to present as follows:

Well perforated and fractured in Mesa Verde formation July 1978.

Mesa Verde Gas first delivered to Gas Company of New Mexico September 12, 1978.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles E. Dwyer TITLE Superintendent DATE 10-12-88
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 10-12-1988
CONDITIONS OF APPROVAL, IF ANY: _____

HOLD C-104 FOR C-102

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPROVED

JAMES E. EDWARDS, JR.
AREA MANAGER

Annual Gas Production as follows:

1978	7,330 MCF
1979	14,440
1980	8,452
1981	3,732
1982	4,121
1983	2,903
1984	3,523
1985	2,588
1986	942
1987	2,056
1988	507 thru April

Cum. Gas Prod. 50,594 MCF

Plug back proposal and procedure as follows:

Spot cement plug inside 7" casing 5490' to 100' above top perforation @ 5234'. (5490' to 5130', 360').

Spot 9.1# Gel Based Mud 5130' to approx 3500'.

A free point indicator will be run in 7" casing to determine where 7" casing will be cut off.

Temperature survey run when well plugged back in 1978 indicates cement top at 3600'.

After 7" casing is cut off and salvaged, a cement plug will be spotted 50' below to 50' above cut.

Records and logs show 9 5/8" casing set at 2990', and top of Pictured Cliffs at 2884'.

9 5/8" 36 and 40# casing cemented with 500 sacks, May 1950. Calculated cement top in 12 1/4" hole approx 1600'.

Alamo water sands 2410' to 2490'.

Our intentions are to leave Pictured Cliffs Zone opened below 9 5/8" casing at this time, for possible single Pictured Cliffs or dual Fruitland - Pictured Cliffs completion at future date.

A 9 5/8" Cast Iron Bridge Plug will be set in casing to shut off Pictured Cliffs below, then 9 5/8" casing will be tested to a minimum of 2000#, max 3000#.

After casing is tested, Gamma Ray Neutron and Collar Log will be run to correlate depths with Electric Log run in 1950.

Fruitland Zone will then be perforated and fractured, then tested to determine gas producing capability.

No new surface other than original location and reserve pit area's to be disturbed.

We do request permission to build reserve pit to confine fluids recovered during plugging operations, treating and completing operations and also until reasonable tests on amounts of gas and water can be accumulated.

(Con't.)

In no event will vented gas exceed 50 MCF.

In the event excessive amounts of water production that could be contained in reserve pit are found, well would be shut-in until other means of disposal could be developed.

All pits will be fenced at all times until covered.

All area disturbed will be cleaned up and reseeded to BLM spec's when tests completed.

The Northwest Quarter of Section 10, 26N 6W is dedicated to this well.

All Gas produced from this acreage dedicated to Gas Company of New Mexico.

It is also requested that well number be changed from 182-A back to original number of 134.