

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-20912

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Caulkins Oil Company

3. ADDRESS OF OPERATOR
 P. O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 1190 from south 1580 from west of Section 24 26N 7W
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 32 miles southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1060

16. NO. OF ACRES IN LEASE
 2400

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 3500'

19. PROPOSED DEPTH
 3700'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6522 ground

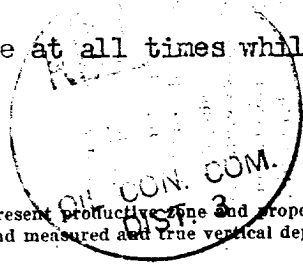
22. APPROX. DATE WORK WILL START*
 June 15, 1974

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	8 5/8"	24#	120'	Sufficient to circulate
7 7/8"	4 1/2"	12.60	3700'	Approx. 400 sacks

It is proposed to drill well to approx. 3700'. 4 1/2" casing will be run to TD and cemented with sufficient cement to cover Alamo sand. After cement sets 120 hours or more, casing will be perforated opposite Chacra Sand and then sand water fraced with approx. 50,000# sand. Bridge plug will be set above Chacra perforations and then Pictured Cliffs will be perforated and sand water fraced. Bridge plug will be drilled out then permanent type production packer will be set at approx. 3500'. 1 1/4" 2.4# IJ tubing will be run to production packer for Chacra production. 1" 1.7# IJ tubing will be run to top of Pictured Cliffs pay.

A pressure operated double blowout preventor will be in use at all times while drilling below 120'.



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. [Signature] TITLE Superintendent DATE 5-30-74

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

[Signature]

CAULKINS OIL COMPANY
Post Office Box 780
Farmington, New Mexico

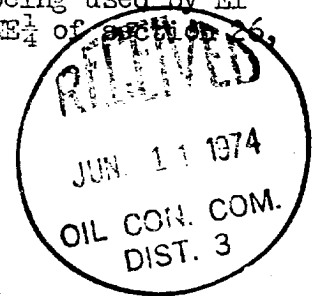
May 30, 1974

United States Dept. of the Interior
Geological Survey
Post Office Box 1809
Durango, Colorado 81301

Gentlemen:

Following is our 12 point development plan for surface use on our well number 382, located in SW $\frac{1}{4}$ of section 24 26 North 7 West, Rio Arriba County, New Mexico:

- (1) Location will be built over existing unimproved road now being used by El Paso Natural Gas Co. to service Quantius well # 3 located in NE $\frac{1}{4}$ of section 26, 26 North 7 West.
- (2) (8) (9) No new roads, camps or airstrips.
- (3) As shown on attached Nageezi Quadrangle Topographic.
- (4) Same as above
- (5) No tank batteries. Produced gas will be sold to Southern Union Gas Company.
- (6) Water will be hauled from pit in Largo Canyon. Pit is located at bridge near Largo Canyon School.
- (7) All cuttings, trash garbage and etc. will be confined in reserve pit shown on attached layout plat.
- (10) Surface vegetation is sage brush and native grama. Completed drilling pad will be compacted.
- (11) Reserve pit will be cleaned up and leveled, then complete location area will be reseeded with BLM approved seed mixture.
- (12) Location will be on gentle hillside, Approx 6' cut on high side of location will be required.



Yours very truly,

Charles E. Verquer
Charles Verquer, Supt.
Caulkins Oil Company