

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Southard 35	
2. Name of Operator Flag-Redfern Oil Company		9. Well No. 1	
3. Address of Operator P.O. Box 2280 Midland, Texas 79702		10. Field and Pool, or Wildcat Tom-Tom (San Andres)	
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>467'</u> FEET FROM THE <u>North</u> LINE AND <u>467</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>35</u> TWP. <u>7-S</u> RGE. <u>31-E</u> NMPM		12. County Chaves	
19. Proposed Depth 4150		19A. Formation San Andres	
20. Rotary or C.T. Rotary		21. Elevations (Show whether D.P., R.T., etc.) 4359 GL	
21A. Kind & Status Plug: Bond Blanket		21B. Drilling Contractor WEK Drilling Co.	
22. Approx. Date Work will start March 1, 1980			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24# J	1650	725 sx.	Circulate
7-7/8"	4-1/2"	10.5# K	4150	250 sx.	3200'

Drill 12-1/4" hole to 1650' or into the top of the Rustler Anhydrite. Run 8-5/8" casing and circulate cement with 525 sx. of Halliburton Lt. Wt. with 1/4#/sx. Flocele & 8#/sx. of salt, followed by 200 sx. of Class "C" w/2% CaCl. Drill 7-7/8" hole to approximately 4150'. Run open hole log. Run 4-1/2" casing to 4150 and cement w/250 sx. of 50-50 Class "H" Pozmix "A" w/2% gel, 0.75% CFR-2 and 8# salt per sx. Run Correlation log and perforate the San Andres formation. Treat w/acid. Swab to test. Potential well.

Mud Program

0-1650 Native Mud
1650-TD Native Mud & Oil

Estimated Tops

Rustler Anhydrite - 1650'
Top of Salt - 1710'
Yates - 2070'
Seven Rivers - 2230'
Queen - 2565'
San Andres - 3205'
Pi - 3760'
S.A. Porosity - 4015'

Blowout Preventors: Cameron 10" Series 900 installed on Surface Casing.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Drilling Superintendent Date 2-5-80

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DATE FEB 8 1980

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIV.

FEB 7 1980

RECEIVED

RECEIVED

FEB 6 1980

O. C. D.
ARTESIA, OFFICE