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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK	
a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Unit Agreement Name
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Farm or Lease Name Southard "A"
2. Name of Operator Flag-Redfern Oil Company	9. Well No. 2
3. Address of Operator P. O. Box 23 Midland, Texas 79702	10. Field or Lease or Wildcat Tom-Tom (San Andres)
1. Location of Well UNIT LETTER H LOCATED 1980' FEET FROM THE North LINE 660 FEET FROM THE East LINE OF SEC. 26 TWP. 7-S RGE. 31-E NMPM	12. County Chaves
19. Proposed Depth 4100'	19A. Formation San Andres
20. Rotary or C.T. Rotary	21. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor WEK Drilling Co.	22. Approx. Date Work will start July 16, 1979

PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/2"	8-5/8"	24# J	1630'	725 sx	Circulate
7-7/8"	4-1/2"	10.5# K	4100'	250 sx	3200'

Drill 12 1/2" hole to 1625' or into the top of the Rustler Anhydrite. Run 8-5/8" casing and circulate cement with 525 sx. of Halliburton Lt. Wt. with 1/2#/sx Flocele & 8#/sx of Salt, followed by 200 sx of Class "C" with 2% CaCl. Drill 7-7/8" hole to approximately 4100'. Run openhole log. Run 4 1/2" casing to 4100' and cement with 250 sx of 50-50 Class "H" Pozmix "A" with 2% Gel, 0.75% CFR-2 and 8# salt per sack. Run Correlation log and perforate the San Andres Formation. Treat with Acid. Swab to test. Potential well.

## Mud Program

0 - 1625' Native Mud  
1625 - TD Native Mud & Oil

## Estimated Tops

Rustler Anhydrite - 1605' Queen - 2555'  
Top of Salt - 1665' San Andres - 3183'  
(Base - 2055')  
Yates - 2064' San Andres Marker - 3724'  
Seven Rivers - 2205' S. A. Porosity - 3975'

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

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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 Jerry Sexton Title Engineer Date June 25, 1979

(This space for State Use)

Orig. Signed by

Jerry Sexton

Dist 1, Supv.

PROVED BY \_\_\_\_\_ DATE JUN 27 1979

CONDITIONS OF APPROVAL, IF ANY: