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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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER TA'd Oil Well                      SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name <del>N.M.</del> State "C" Acct. 1	
2. Name of Operator Sun Oil Company		9. Well No. 3	
3. Address of Operator P.O. Box 1861, Midland, TX 79702		10. Field and Pool, or Wildcat Bagley-Silurd Devonian	
4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>2</u> TWP. <u>12-S</u> RGE. <u>33-E</u> NMPM		12. County Lea	
19. Proposed Depth 11370'		19A. Formation Sulurd Devonian	20. Rotary or C. I. Rotary
21. Elevations, (Show whether DF, RI, etc.) 4254' DF	21A. Kind & Status Plug. Bond Blanket on file	21B. Drilling Contractor	22. Approx. Date Work will start Upon approval

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	13 3/8"	48#	324'	350	Circ.
	9 5/8"	36#	3894'	2700	Circ.
	5 1/2"	17#	11304'	200	9980'

MIRU. Install BOP. POH w/2-3/8" tbg. Pkr & hydraulic pump. GIH w/2-7/8" WS & cmt retainer. Load hole w/formation wtr. Set cmt retainer @+10,500'. Pressure annulus to 500# PSI. Squeez perfs 10856-90 w/150 sx Class "H" cmt, obtain sqz pressure of 1000# PSI. If sqz pressure not attained overdisplace cmt & repeat. Snap out of cmt retainer. POH w/2-7/8 WS. WOC 12 hrs. GIH w/4-3/4" bit, 12 DC's & 2-7/8 WS. DO cmt retainers @10,500 & 10,900 cement, CO hole to + 11,000'. Test to 1000# PSI prior POH. POH w/2-7/8 WS, DC's & bit. RIH w/2-7/8 tbg & RDG pkr, swab test sqzd perfs. POH. GIH w/4-3/4 bit, 12 DC's and 2-7/8 WS. DO CIBP at 11,026, CO hole to 11,035. DO to 11,370'. If circulation is lost, determine rate of loss. POH. Run 2-7/8 tbg and RDG pkr to 11,000. Set pkr + 11,000. Establish injection rate into Devonian thru tbg w/pump truck. If injection rate is greater than 5 BPM at zero WHP, hook up well for injection. If injection rate is less than 5 BPM Western to Acdz open hole as follows. POH w/2-7/8" WS, 12 DC's, 4-3/4" bit, GIH w/2-7/8" WS and RDG pkr. Set pkr + 11,000'. Acdz open hole w/10,000 gals 20% NEHCL treating rate at 8-9 BPM and max. treating pressure of + 2500 PSI. Flush to formation w/2% KCL water containing 1 gal aquaflo/1000 gals.

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 SLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Dee Ann Kemp Title Accounting Assistant I Date 7-17-81

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] DATE JUL 20 1981

CONDITIONS OF APPROVAL, IF ANY: [Signature]

Establish injection rate into Devonian through tubing w/pump truck. If injection rate is greater than 5 BPM at zero WHP, hook up well for injection.