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5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
V-654

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	7. Unit Agreement Name
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Farm or Lease Name State "2"
2. Name of Operator Sohio Petroleum Company	9. Well No. 3-1
3. Address of Operator 50 Penn Place, Suite 1100, Okla. City, OK 73118	10. Field and Pool or Wildcat N.E. Lovington Penn Field
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>530'</u> FEET FROM THE <u>North</u> LINE AND <u>660'</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>2</u> TWP. <u>17S</u> RGE. <u>37E</u> NMPM	12. County Lea
19. Proposed Depth 12,000'	19A. Formation Lower Strawn
20. Rotary or C.T. Rotary	22. Approx. Date Work will start 11/30/87
21. Elevations (show whether D.F., K.I., etc.) G.L.	21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor To be announced	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13-3/8"	48#	400'	350	surface
11" or 12¼"	8-5/8"	24#	4200'	1500'	surface
7-7/8"	5-1/2"	17#	12000'	300	10500'

The proposal is to drill to 400' and set and cement 13-3/8" surface casing as outlined above. A 2 - Ram, Annular BOP stack will be nipped up and tested initially and every 30 days thereafter is required. 11" or 12¼" hole will be drilled to 4200' and 8-5/8" casing set across the salt. 7-7/8" hole will be drilled to total depth. The objective is to test the Lower Strawn reservoir (est. top @ 11,365') and stimulate as necessary. One DST is proposed in the Lower Strawn.

John W. West of John W. West Engineering, Inc. will bring a copy of the location plat (Form C-102) to the Dist. office to make this application complete.

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 John F. Sindelar Title Dist. Drilling Supt. Date 11/10/87

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE NOV 13 1987

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.