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NEW MEXICO OIL CONSERVATION COMMISSION

Form O-101  
Revised 1-1-65

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. <b>E-906</b>
7. Unit Agreement Name ---
8. Farm or Lease Name <b>West Ranger Lake Unit</b>
9. Well No. <b>2</b>
10. Field and Pool, or Wildcat <b>Ranger Lake Bough</b>
11. County <b>Lea</b>

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input type="checkbox"/> DEEPEEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>
b. Type of Well 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"/>
2. Name of Operator <b>Phillips Petroleum Company</b>
3. Address of Operator <b>Room B-2, Phillips Building, Odessa, Texas 79760</b>
4. Location of Well UNIT LETTER <b>K</b> LOCATED <b>1980</b> FEET FROM THE <b>south</b> LINE AND <b>1980</b> FEET FROM THE <b>west</b> LINE OF SEC. <b>26</b> TWP. <b>12-S</b> R. <b>34-E</b> NMPM
5. Proposed Depth <b>10440'</b>
6. Formation <b>Bough</b>
7. Rotary or C.T. ---
8. Elevations (Show whether DF, RT, etc.) <b>4146' Gr.</b>
9. Kind & Status Plug, Bond <b>blanket</b>
10. Drilling Equipment ---
11. Approx. Date Work will start <b>Upon approval</b>

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	54.5#	370' (480 sx Class H w/2% CaCl <sub>2</sub> )		surface
11"	8-5/8"	32#	4200' (400 sx Class H)		TOC @ 3600'
7-7/8"	5-1/2"	17.20#	12816' (600 sx Trinity LW w/20% DD and 150 sx Trinity Inferno)		TOC @ 6800'

Well previously completed in West Ranger Lake Devonian-Gas field. Propose PB to 10,100', perforate 9950-66', and complete well in Bough zone of Ranger Lake Bough oil field.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEEN 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 W.J. Mueller Title Senior Reservoir Engineer Date 4-26-71

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT DATE APR 28 1971

CONDITIONS OF APPROVAL, IF ANY: No allowable will be assigned until an NSL Order is obtained for this non-standard location.

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APR 27 1971

OIL CONSERVATION COMM.  
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