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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-9948

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"/> DRILL <input checked="" type="checkbox"/> REENTRY DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	N.E. Caprock Queen Unit	
2. Name of Operator	8. Farm or Lease Name	
MURPHY OPERATING CORPORATION	Mexico 11-11 Northeast	
3. Address of Operator	9. Well No.	
P. O. Drawer 2648, Roswell, New Mexico 88201	E 36	
4. Location of Well	10. Field and Pool, or Wildcat	
UNIT LETTER C LOCATED 660 FEET FROM THE North LINE	Caprock Queen	
AND 1980 FEET FROM THE West LINE OF SEC. 23 T.12-S R.32-E S.32-E	12. County	
	Lea	
19. Proposed Depth	19A. Formation	20. Rotary or C.T.
3690'	Queen	Rotary
21. Elevations (Show whether D.F., R.L., etc.)	21A. Kind & Status of Log, Bond	22. Approx. Date Work will start
4346' D.F.	Frontier	March 1, 1987

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
18"	Existing 13-3/8"	44.5#	310'	310 sx.	circ.
12-1/4"	Existing 9-5/8"	36#	750' - 3729'	2000 sx.	
7-7/8"	Existing 5-1/2"	17#	4645' - 8696'	400 sx.	
	9-5/8"	36#	0' - 750'	sufficient to	circ.

This well was originally drilled to a total depth of 8696' in February 1953 by Skelly Oil Company. The well was plugged in February 1974. Murphy Operating Corporation proposes to reenter this well and drill out the cement plugs, as outlined and shown on Exhibits "B" and "C". Approximately 750' of 9-5/8" casing will be tied into the existing 9-5/8" at approximately 750'. A cement squeeze with amounts sufficient to bring the top of the cement to surface will be performed. A packer will be run to test the existing cement plug @ 3690' - 3790' and the 9-5/8" casing. Murphy Operating Corporation will then selectively perforate the Queen Sand from approximately 3000' - 3040' and stimulate, if necessary, for optimum production. Attached are:

Exhibit "A" Well Record and Location Plat
Exhibit "B" Plugging Diagram
Exhibit "C" Plugging Reports dated February 8, 1974 and July 26, 1974.

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 Mark B. Murphy Title President Date December 30, 1986
(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE JAN 5 1987

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
DEC 31 1986
OCD
HOBBS OFFICE