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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.
LG-8600

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"/>		8. Farm or Lease Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Tonto "23"	
2. Name of Operator		9. Well No.	
Meridian Oil Inc.		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
21 Desta Drive, Midland, Texas 79705		Wildcat	
4. Location of Well		11. County	
UNIT LETTER B LOCATED 660 FEET FROM THE North LINE		Lea	
AND 1980 FEET FROM THE East LINE OF SEC. 23 TWP. 18S RGE. 34E NMPM			
19. Proposed Depth		19A. Formation	
13,700'		Morrow	
20. Rotary or C.T.		Rotary	
21. Elevations (Show whether DI, RI, etc.)		22. Approx. Date Work will start	
3974' GR		12-10-87	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	

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"	48#	400'	400 sx.	Circ.
12 1/4"	9 5/8"	36#	3400'	1600 sx.	Circ.
8 3/4"	7"	23#	11,800'	650 sx.	TOC @ + 7000'
6 1/8"	4 1/2"	13.50#	@ TD w/300' overlap	180 sx.	Top of liner

Drill 17 1/2" hole to 400'. Set 13 3/8" csg @ 400' & circ cmt. Drill 12 1/4" hole & set 9 5/8" csg @ 3400', circ cmt to surface. Drill 8 3/4" hole & set 7" csg @ 11,800'. TOC estimated to be + 7000'. Drill to TD to test Morrow & intermediate horizons. If commercial, run 4 1/2" liner to TD. Circ cmt to top of liner. Perf & stimulate Morrow for production.

MUD PROGRAM: 0-400' spud mud; 400-3400' brine; 3400-9000' cut brine, 9000-11,800' cut brine/Drispac, 11,800-12,500' cut brine, 12,500-13,700' X-C polymer & Drispac.

MW 10.5-11, VIS 40-50, WL 10-15 cc. BHP @ TD anticipated to be 6000 psi.

BOP PROGRAM: 13 5/8"-3M annular BOP tested to 1000 psi after setting 13 3/8" csg, 11"-5M BOP stack tested to 5000 psi after setting 9 5/8" & 7" csg, also @ 7500'.

Test BOP with independent tester @ 7500' & after setting 7" csg.

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 Cathy Koke Title Operations Tech III Date 11/20/87

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR

TITLE

DATE

NOV 24 1987

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

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NOV 23 1987
CCCD
HOBBS OFFICE