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NEW MEXICO OIL CONSERVATION COMMISSION
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Form C-101
Revised 1-1-65

OCT 31 '88

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
B-1266

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		ARTESIA, OFFICE		7. Unit Agreement Name	
b. Type of Well		DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" 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"/>		Leonard State Com	
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				Grayburg (Atoka)	
4. Location of Well				12. County	
UNIT LETTER E LOCATED 1980 FEET FROM THE North LINE				Eddy	
AND 660 FEET FROM THE West LINE OF SEC. 22 TWP. 17S RGE. 29E NMPM					
19. Proposed Depth		19A. Formation		20. Rotary or C.T.	
10,360'		Atoka		---	
21. Elevations (Show whether DF, RT, etc.)		21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
3547.6' GL				11-11-88	

23. PROPOSED CASING AND CEMENT PROGRAM Date

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	54.5#	750'	800 sx.	Circ.
12 1/4"	9 5/8"	40#	3400'	1400 sx.	Circ.
8 3/8"	7"	Unknown	11,060'	600 sx.	TOC @ 5845'

MIRUPU. Open & blow dwn tbg & csg. ND Wellhead. NU BOP (5000 psi). Test to + 5000#. POH w/ tbg (strap out). RU wireline truck. RU pack off. RIH w/gauge ring & junk basket to + 10,630'. POH. RIH w/CIBP & set @ + 10,630'. POH. RIH w/dump bailer & place 35' cmt on top of CIBP. POH. RD Wireline. RIH w/tbg openended to + 10,400'. Circ hole clean w/treated/filtered 2% KCl wtr. Close in BOP pipe rams & pressure test CIBP & csg to + 1000#. POH. RIH w/perf assembly on tbg while hydrostatic testing to 8500#. Load tbg w/minimum filtered wtr with additives for slowing detonating bar so to have maximum underbalance of + 4600#. Run GR-CCL to correlate position of radio-active marker with respect to GR on open hole log. POH w/log tools. Space out tbg to place guns on depth. Set pkr w/+12,000# compression. Press test pkr by dropping a special sleeve to open the vent assembly while watching annulus. ND BOP. Press test tree valves with tbg tester. Install WH. Press test WH to + 5000# w/tbg tester. RD PU. Connect & stake flowline to pit. Drop detonating bar dwn tbg & perf Atoka @ 10,342-60' w/4"00 hollow steel carrier guns with premium charges @ 4 JSPF & spiral phasing. Flow to pit until cleaned up. SI. Connect to separator. -----OVER-----

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 Kober Title Operations Tech III Date 10/28/88

(This space for State Use)

Original Signed By
Mike Williams

APPROVED BY _____ TITLE _____ DATE NOV 04 1988

CONDITIONS OF APPROVAL, IF ANY:

Open & flow at a stable rate for minimum 2 days. RU slickline & RIH with tandem BHP tools. Obtain ± 2 hours of flowing BHP. SI for 72 hours. POH w/BHP tools. Run 4 pt test. SI well & await sales contract & allowable.

Meridian Oil Inc. has acquired the entire 320 acres to apply to proration of this well.