## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Transport 12 / 2 / 4

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 5. LEASE NUMBER PARMINGTON, THE MEXICO SF-077092C la. TYPE OF WORK DRILL lb. TYPE OF WELL 6. IF INDIAN, ALL. OR TRIBE NAME GAS SINGLE ZONE OPERATOR 7. UNIT AGREEMENT NAME MERIDIAN OIL INC. ADDRESS & PHONE NO. OF OPERATOR 8. FARM OR LEASE NAME P O BOX 4289 LACKEY A COM FARMINGTON, NM 87499 9. WELL NO. 291 LOCATION OF WELL 10. FIELD, POOL, OR WILDCAT 930'S 1490'W BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. DISTANCE IN MILES FROM NEAREST TOWN 12. COUNTY 13. STATE 1.5 MILES FROM BLANCO SAN JUAN NM 16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 15. DISTANCE FROM PROPOSED LOCATION 930'  $\sqrt{313.55}$ 159.09 JAP 10 29 A W COTH IRIZE ARE TO NEAREST PROPERTY SHE HE TO COM LAMOS WITH ATTOCHED OR LEASE LINE. "a. HEER SUPERINGEN MISH DISTANCE FROM 18. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS PROPOSED LOCATION 2157' ROTARY TO NEAREST WELL DR. 300' This setion is subject to technical and COMPL., OR APPLIED procedural review pursuant to 43 CFR 3166.8 FOR ON THIS LEASE. and appeal pursuant to 43 CFR 3185.4. 21. ELEVATIONS (DF, FT, GR, ETC.) 22. APPROX. DATE WORK WILL START 5753'GL 23. PROPOSED CASING AND CEMENTING PROGRAM \*SEE OPERATIONS PLAN # 68 FOR CONTRACTOR OF THE **holds log** miss same under di or title to this ionab." 24. AUTHORIZED BY REGULATORY AFFAIRS NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. 

## STATE OF NEW MEXICO ENERGY MO MINERALS DEPARTMENT

## P. O. BOX 2088 SANTA FE. NEW MEXICO 87501

Form C-102 Revised 10-

All distances must be from the outer boundaries of the Section.

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Meridian Oil Inc.			Lease	key A Com	(SF-077092C	SF-077092C 291	
Unit Letter	Section	Township	Range	County			
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Actual Footage La							
930		South line and	1490	feet from the	nest	!tne	
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DATE: MAR 14,1989

Well Name: 291 LACKEY A COM

Sec. 11 T29N R10W

SAN JUAN NEW MEXICO

930'S 1490'W

BASIN FRUITLAND COAL

Elevation 5753'GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo- 973

Kirtland- 1095

Fruitland- 1852

Fruitland Coal Top- 2039

Fruitland Coal Base- 2156 Intermediate TD- 2019

Total Depth- 2157

Pictured Cliffs- 2170



Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

Casing Program: Hole Size Depth Interval Csg. Size Weight Grade 12 1/4" 0 - 200 9 5/8" H - 4032.3# 8 3/4" 0 - 20197" 20.0# K-55 6 1/4" 1969 - 2157 5 1/2" 15.5# K-55 Tubing Program: 0 - 21572 7/8" 6.5# J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe.

5 1/2" production liner - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

## Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 102 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 314 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The S/2 of Section 11 is dedicated to this well.

