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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

30-039-25310
93 AUG -3 AM 9:30

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

BLM ALBUQUERQUE, N.M.

1a. Type of Work DRILL	5. Lease Number Jicarilla Contract 98	
1b. Type of Well GAS	6. If Indian, All. or Tribe Jicarilla Apache	
RECEIVED AUG 30 1993		
2. Operator MERIDIAN OIL	7. Unit Agreement Name OIL CON. DIV.	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Jicarilla 98 9. Well Number 5A	
4. Location of Well 1495' FNL, 880' FWL Latitude 36° 28' 30", Longitude 107° 10' 25"	10. Field, Pool, Wildcat Tapacitos Pic Cliffs/ Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. Sec 20, T-26-N, R-3-W NMMP	
14. Distance in Miles from Nearest Town 35 miles to Dulce, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 880'	17. Acres Assigned to Well 160(NW/4) & 320 (N/2)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 300'		
19. Proposed Depth 6460'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7094' GR	22. Approx. Date Work will Start 3rd quarter 1993	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Donald C. Lusk</u> Regional Drilling Engineer	<u>7/29/93</u> Date	

PERMIT NO. _____
APPROVED BY SHIRLEY MONDY Acting AREA MANAGER
TITLE RIO PUERCO RESOURCE AREA DATE AUG 26 1993

Archaeological Report submitted 7-5-93 /JAAS
Threatened and Endangered Species Report submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APPROVED AS AMENDED

EE

NMOC

School to Agriculture
District Office
State Loans - 4 copies
Fed Loans - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-182
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Arama, NM 88210

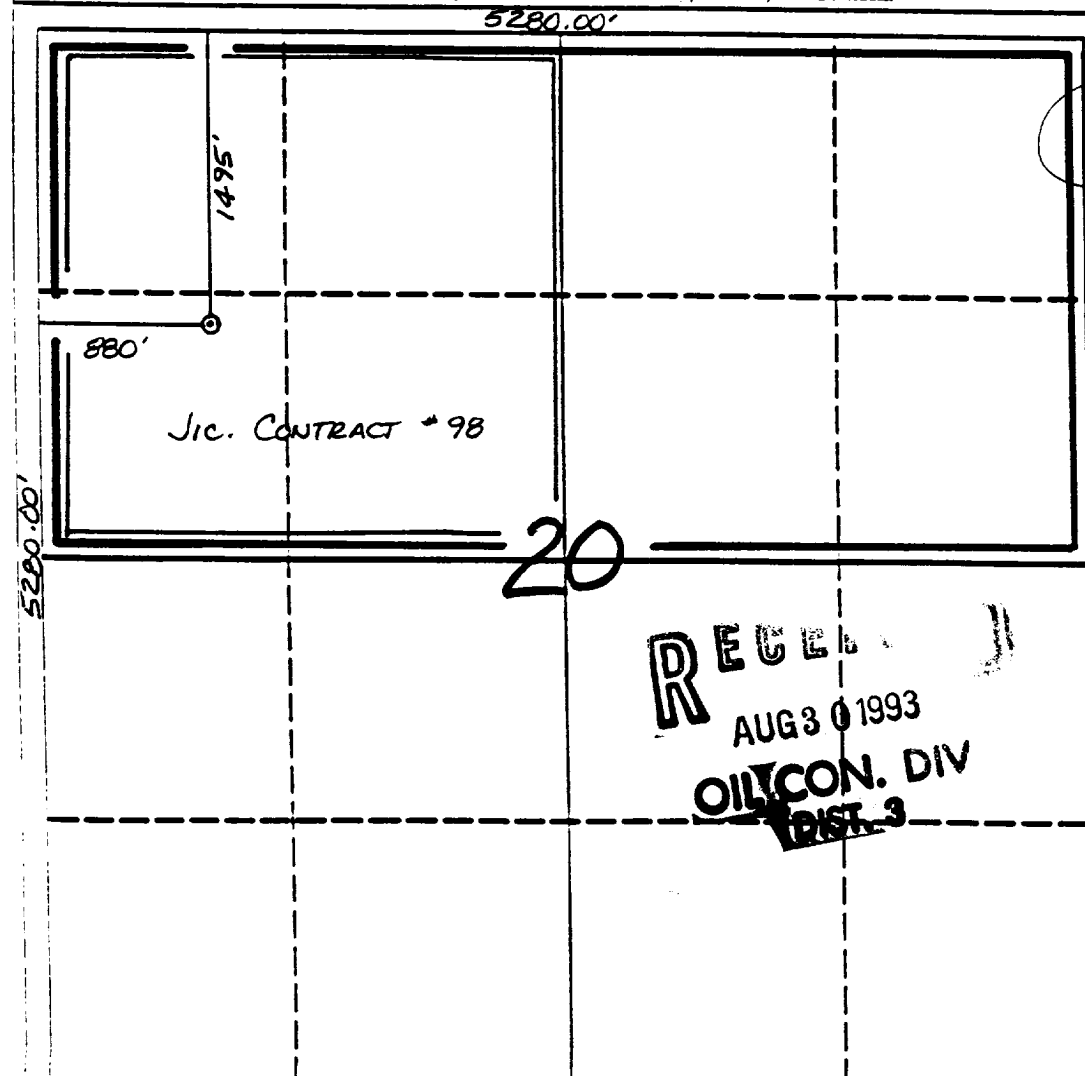
DISTRICT III
1000 Rio Arriba Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Jicarilla 98		Well No. 5A	
Unit Letter E	Section 20	Township 26 North	Range 3 West	County Rio Arriba	
Actual Footage Location of Well: 1495 feet from the North line and 880 feet from the West line					
Ground Level Elev. 7094'		Producing Formation Pictured Cliffs/Mesa Verde		Estimated Acreage 160/320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or machine marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the names of all owners been consolidated by commutation, unification, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and their descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowance will be assigned to the well until all interests have been consolidated (by commutation, unification, force-pooling, or otherwise) or until a acre-stamped tract, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name
Regulatory Representative

Position
Meridian Oil Inc.

Company

7-28-93

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. 6-22-93

Date Surveyed
C. EDWARDS
Name

Signature
Professional Surveyor

9357

[Signature]
Certificate No.

July 29, 1993

OPERATIONS PLAN

Well Name: Jicarilla 98 #5A
Location: 1495'FNL, 880'FWL Section 20, T-26-N, R-3-W
 Rio Arriba County, New Mexico
 Latitude 36° 28' 30", Longitude 107° 10' 25"
Formation: Tapacitos Pictured Cliffs/Blanco Mesa Verde
Elevation: 7094'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3305'	
Ojo Alamo	3305'	3460'	aquifer
Kirtland	3460'	3580'	
Fruitland	3580'	3765'	gas
Pictured Cliffs	3765'	3945'	gas
Lewis	3945'	4710'	
Chacra	4710'	5445'	gas
Mesa Verde	5445'		gas
Menefee	5445'	5910'	gas
Point Lookout	5910'	6460'	gas
Total Depth	6460'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 3500' to Total Depth
 Coring - none
 DST - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-8.9	40-50	no control
200-6460'	LSND	8.4-9.1	30-60	no control

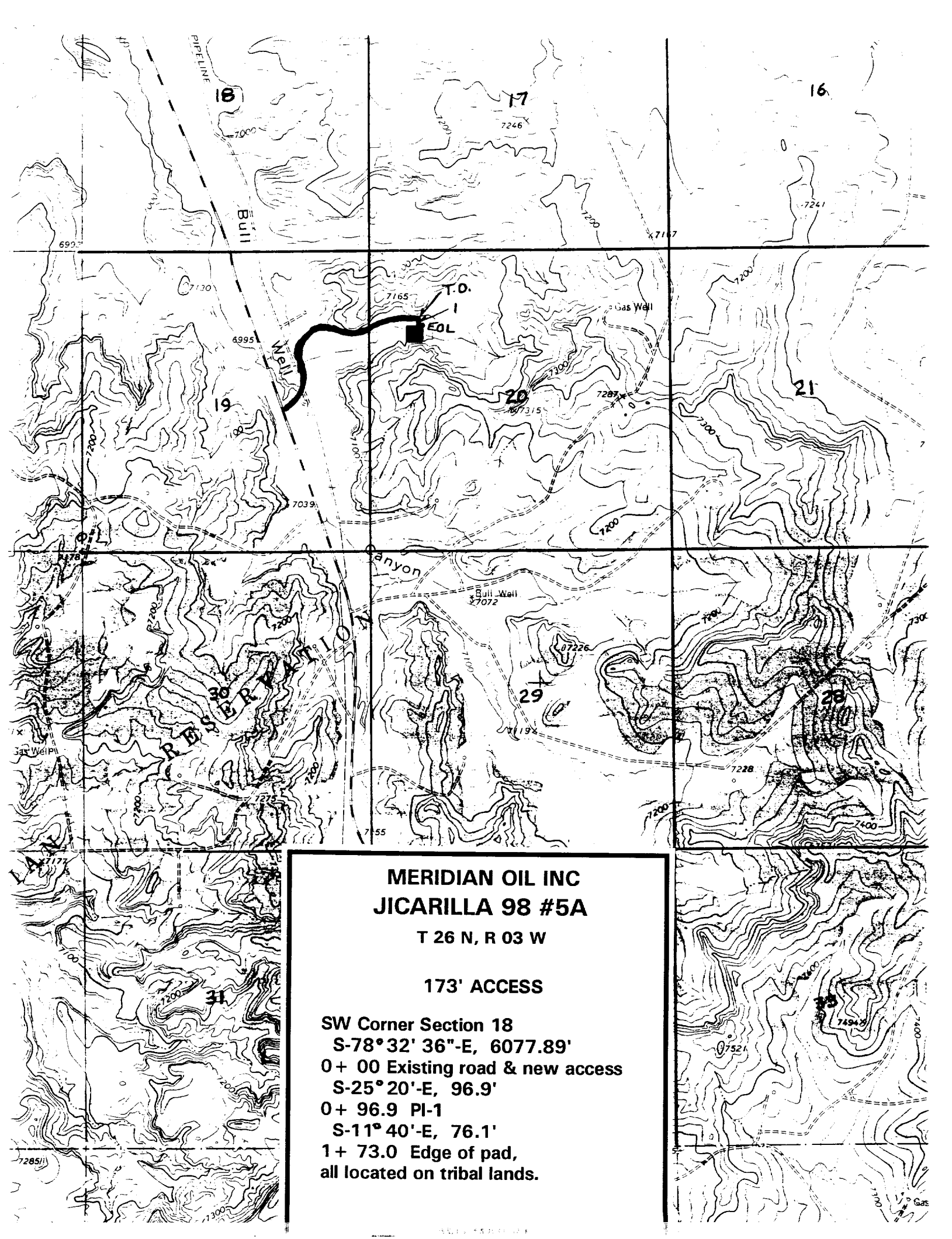
Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	8 5/8"	24.0#	K-55
7 7/8"	0' - 6460'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6460'	2 3/8"	4.7#	J-55 EUE
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**MERIDIAN OIL INC
JICARILLA 98 #5A**

T 26 N, R 03 W

173' ACCESS

SW Corner Section 18

S-78°32' 36"-E, 6077.89'

0+ 00 Existing road & new access

S-25°20'-E, 96.9'

0+ 96.9 PI-1

S-11°40'-E, 76.1'

1+ 73.0 Edge of pad,

all located on tribal lands.