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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Pormi C-162 Supersedes C-128 Effective 1-1-85

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Operal						Lease		KEEDER	A.1	Well No. 4 🕊
		IDIAN		INC.		1		FEDER	<u> </u>	
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	3310			DELAW	ARE	PAR	KWAY De	oun	2.e	40 Acres
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	LINEH 24160	AN &	\$TOLTENE	BERG			MERIDIAN 54865 01	OIL INC	l hernb shown o nntes o under m is true	y certify that the well location in this plat was plotted from field f ectual surveys made by me or y supervision, and that the same and correct to the best of my for and belief.
				Ų,	s.		KGS		Date Sur Rogiste and/or th Certificat	V. LYNN JPE BEZRER Jon Mon 7920 In Jr Part of Mon 7

資 R-5LIND R-HIPE HYDRIL TOCas RILLING RAVIS STAN S 甞 3" VALVE . ATTACHMENT TO FORM C-101 <u>س</u> 3" VALVE BLOW OUT PREVENTION EQUIPMENT 10" 900s ALL FLANGED CONNECTIONS 3,000# WORKING PRESSURE - 6,000# TEST IFD 2" POSITIVE CHOKE 2" ADJUSTABLE CHOKE]i] 4" VALVE TO PIT TO PIT . TO PIT 5 . ______ 2"

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MERIDIAN OIL INC. Apache "A" Federal No. 4 990' FNL & 990' FWL Sec. 35, T-19-S, R-29-E Eddy County, New Mexico NM-61582

To supplement USGS Form 3160-3 Application to drill the following additional information is submitted concerning questions on Page 5 of NTL-6:

- 1. See Form 3160-3.
- 2. See Form 3160-3.
- 3. The geological name of surface formation is: Ochoa
- 4. See Form 3160-3.
- 5. See Form 3160-3.
- 6. The estimated tops of important geological markers are:

Rustler	350'	Captain Reef	1825'
Yates	1570'	Delaware Sand	3750'

7. The estimated depths at which anticipated water, oil, and gas and mineral bearing strata are as follows:

Yates 1570' - Oil Delaware Sand 3750' - Oil

- See Form 3160-3. All casing will be new.
 See Form 3160-3 for depths of strings. Cement volumes and additions as follows:
 - A. 13 3/8" csg: Cement w/350 sxs Lite "C" cmt. Circ to surface.
 - B. 8 5/8" csg: With stage collar @ +1600', cement 1st stage w/ 1000 sx C1"C" w/2% CaCl₂. Cement 2nd stage to circ to surface w/2000 sx C1 "C" Lite & tail in w/100 sx C1 "C".
 - C. 5 1/2" csg: Cement w/+500 sx Cl "C". TOX @ Surface.

A caliper log will be run prior to setting 5 1/2" pipe to determine exact cement volumes required and a fluid caliper will be run prior to setting 8 5/8" casing to determine same.

10. The pressure control diagram is attached to Form 3160-3. The following additional information is as follows:

8 5/8" casing installation: 11"-3M BOP stack to be installed and tested by an independent tester to 3,000 psi before drilling the 8 5/8" casing shoe. The BOP stack to consist of a blind ram BOP and one pipe ram BOP. 11. See Form 3160-3.

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- 12. A. DST Program: None
 - B. Core: None
 - C. Mud Logging: 3200 to TD, Two-man unit
 - D. Wire Line Logs.

The following suite of logs will be run in both of the listed intervals: DLL/MSFL/CNL/LDT/GR/Cal TD-3200' (GR/CNL to surf)

- 13. No abnormal pressures are anticipated. Bottom hole pressures at TD expected to be 2000 psi. Bottom hole temperature 138°F. No Hydrogen Sulfide expected in this known drilling area. No crooked hole or abnormal deviation problems.
- 14. Anticipated starting dated to spud on or before 06/15/89. anticipated drilling time expected to be 10 days from surface to TD.



PLAT SHOWING PROPOSEL WELL LOCATION and LEASE ROAD in SECTION 35, T-19-S, R-29-E, EDDY COUNTY, NEW MEXICO

FROM THE JCT. OF U.S. 180 & HWY 31 N, 15 MILES EAST OF CARLSBAD, GO WEST 1.3 MILES ON U.S. 180, THENCE NORTH 6.1 MILES ON COUNTY ROAD 238, THENCE EAST C.5 MILE ON LEASE ROAD TO A POINT ON THE WEST LINE OF SECTION 35.

