Commission NM Oil Con: SUBMIT IN ....PLICATE\* Form 9-331 C Drawer DD (May 1963) (Other instructions on Artesia, MUNPPED STATESAN reverse side) DEPARTMENT OF THE INTERN 5. LRASE DESIGNATION AND SERIAL NO. OGICAL SURVEY 6. IF INDIAN, ALLOTTER OR TRIBE NAME FOR PLUG BACK APPLICATION FOR PERMIT 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN P DRILL 🗵 PLUG BACK b. TYPE OF WELL RINGLE MULTIPLE E WELL WELL X S. FARM OR LEAGE NAME OTHER 2. NAME OF OPERATOR NEW WEXICO O. WELL NO McKay Oil Corporation RECEIVED BY 3. ADDRESS OF OPERATOR P.O. Box 2014, Roswell, New Mexico 88201
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) 1987 10. FIELD AND POOL, OR WILDCAT 660-FWL-660FSL O. C. D. At proposed prod. zone ARTESIA, OFFICE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 12. COUNTY OR PARISH | 13. STATE 28 Miles Northwest of Roswell, NM 15. DISTANCE FROM PROPUSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT 17. NO. OF ACRES ASSIGNED TO THIS WELL 16. NO. OF ACRES IN LEASE 909:88 160.0 (Also to nearest drig, unit line, if any) IS. DISTANCE FROM PROPOSED LOCATION\*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 3/4 mile 3,400' Rotary 21. FLEVATIONS (Show whether DF, RT, GR, etc.) 4224GL 23 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH 12 1/4" 8 5/8" <u>900</u>± 24.0 J-55 850 cf cement circulated 7 7/8" 4 1/2" TD 9.5 J-55 1200 cf cement including 480 cf to tie in 4 1/2" to 8 5/8" from 1500' to 800'.

We propose to drill and test the Abo formation. Approximately 900' of surface casing will be set and cemented to surface. If commercial, 4 1/2" production casing will be run and cemented with adequated cover, perforated and stimulated as needed for production.

MUD PROGRAM: See Supplemental Drilling Data Which is Attached.

BOP PROGRAM: BOP will be installed on 8 5/8" casing and tested daily.

Gas is not dedicated.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

81GNED SIGNED	TITLE Landman	DATE 12-7-86
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
S/Homer Meyer, Acting	Area Manager	DEC 3 1 1986
CONDITIONS OF APPROVAL, IF ANY :	***************************************	

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE CUBTECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO COMODUC OF ENAMENS IN ELECT.

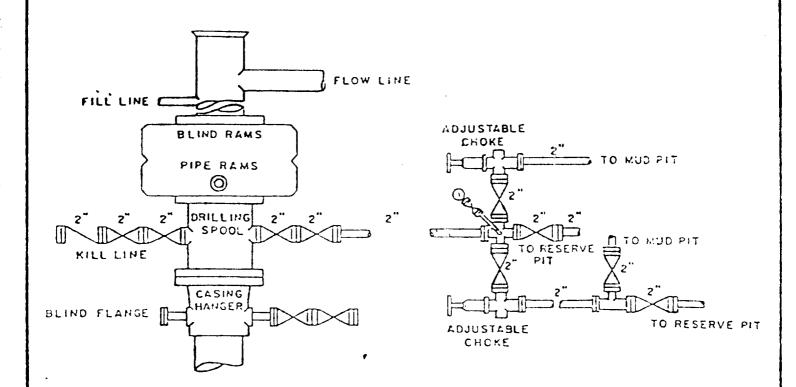
## GTATE OF NEW MEXICO ENERGY NO NUMERALS DEPARTMENT

### P. O. BOX 2008 SANTA FE, NEW MEXICO 87501

form C-102 Boolsed 10-1-70

McKay Oil Corp. Miller Federal #5	Up esolat			All distances	Loc					Well Me.
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MCKAY OIL CORPORATION
Miller Federal #5
W1 Sec. 6-6S-23E
Chaves County, New Mexico



#### BOP DIAGRAM

3000# Working Pressure Rams Operated Daily

#### SUPPLEMENTAL DRILLING DATA

McKAY OIL CORPORATION Miller Federal #5 W1/2 Sec. 6 6S-23E Chaves County, N.M.



#### NM 32322

The following items supplement Form 9-331C in accordance with instructions contained in NTL-6.

- 1. SURFACE FORMATION: San Andres
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yeso - 775'
Tubb - 2305'
Abo - 2985'

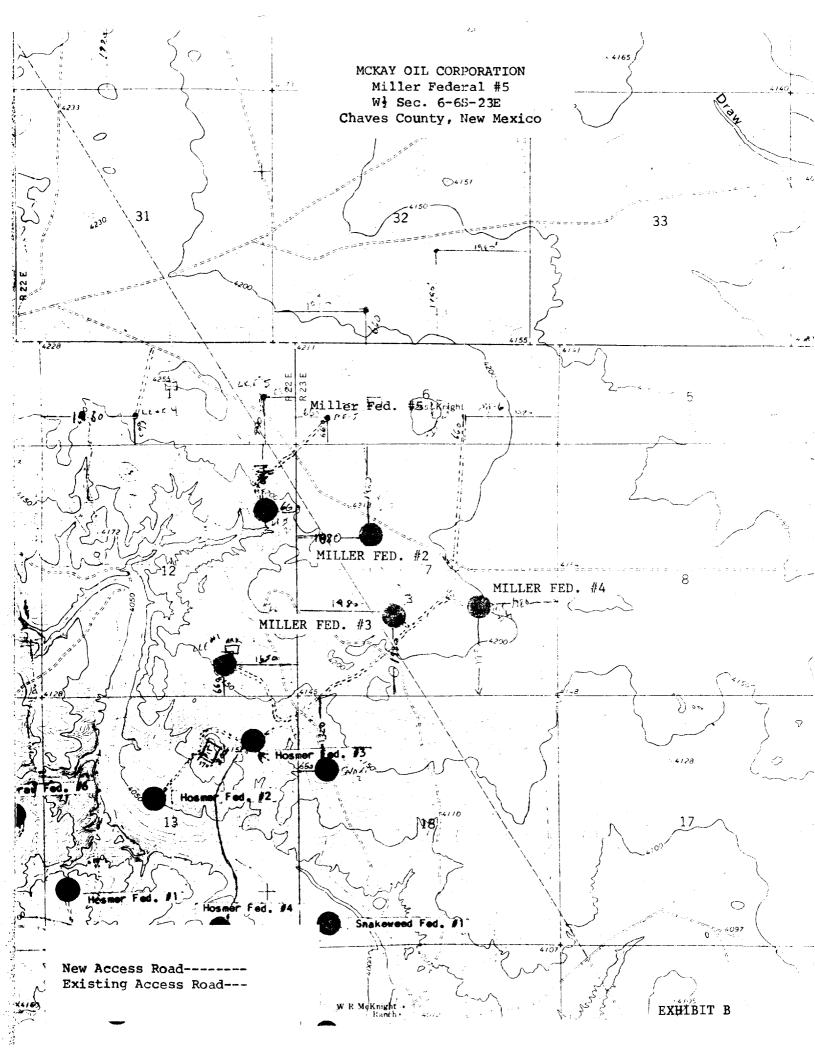
- 3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

  Fresh water In surface formations above 600'

  Gas In Abo formation below 2985'
- 4. PROPOSED CASING PROGRAM: See Form 9-331C
- 5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to 3000#WP. A sketch of the BOP is attached.
- 6. CIRCULATING MEDIUM:

0'- 600'	Lime and gel, spud mud, viscosity 32
	to 34 seconds.
600'- 2885	Fresh water
2885'- TD	Start mudding up at 2885'; viscosity
	36 to 38 seconds; water loss 10 cc or
	less; 3-5% Diesel; 2 KCL
Mud additives	will be used to control water loss.

7. AUXILIARY EQUIPMENT: full-opening drill string safety valve fit the drill string in use, will be kept on the rig floor at all times.



# MCKAY OIL CORPORATION Miller Federal #5 $W_{\frac{1}{2}}$ Sec. 6-6S-23E Chaves County, New Mexico ., C .. 1% 90! 9 80' 8. 108. 5 5 **9** 2 4 3 **ACCESS** 11

RIG LAYOUT

- 1. Substructure
- 2. Catwalk
- 3. Pipe Rack
- 4. Doghouse
- 5. Mud Pits
- 6. Mud Pumps

- 7. Water Tank
- 8. Light Plant
- 9. Reserve Pit
- 10. Trash Pit
- 11. Trailer House
- 12. Production Facilities