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Form C-102 Revised 10-1

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OIL CONCERCIANTON DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501 ENERGY AND MINERALS DEPARTMENT All distances must be from the outer houndaries of the Section. Well No. Lugae Four Mile Draw Federal McKay Oil Corp. County Township Hange Unit Letter Section 6 South B 22 East 17 Chaves Actual Postage Location of Wells 660 1980 North East feat from the line and line test from the Pool Dedicated Acreages Ground Level Elev. Producing Formation W. Pecos Slope Abo Aho 160 4340 1. Outline the acrenge dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to worki OF LAND interest and royalty). anell aeso 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been conso dated by communitization, unitization, force-pooling.etc? NOV If answer is "yes," type of consolidation _ No Yes Yes 7<u>9</u>89 If answer is "no;" list the owners and tract descriptions which have actually been consolidated. (Use reverse/side this form if necessary.)_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, onitizatio forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Divisi CERTIFICATION I hereby certify that the Information co toined herein is true and complete to th 1980' best of my knowledge, and belief, 1 Nome Sam L. Shackelford Position NM-36193 Agent Company McKay Oil Corp. Date 12-30-86 I hereby certily that the well locatio shown on this plat was platted from fiel notes of octual surveys mode by me a under my supervision, and that the sam is true and correct to the best of m;

knowledge and belief.
AUGAL OWNO
December 29, 1980
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John Dr. J. off St. F. & L.S.
Certificure No. 6:90

PERTINENT INFORMATION

For

McKAY OIL CORPORATION Four Mile Draw Federal #9 NW/4NE/4 Sec. 17-6S-22E Chaves County, N.M.



LOCATED:

LEASE NUMBER:

LEASE ISSUED:

RECORD LESSEE:

BOND COVERAGE:

AUTHORITY TO OPERATE:

ACRES IN LEASE:

SURFACE OWNERSHIP:

OWNER:

POOL RULES:

EXHIBITS:

30 air miles north of Roswell, New Mexico

NM 36193

May 1. 1981

McKay Oil Corporation McKay Children,s Trust

Lessee's \$25,000 Statewide

Designation of Operator

2,047.51 acres more or less

Fee

USA-BLM

General Statewide Rules

- A. Road and Well Map
- B. Contour Map
- C. Rig Layout
- D. BOP Diagram
- E. Lease Map
- F. Location Topography

SUPPLEMENTAL DRILLING DATA

McKAY OIL CORPORATION Four Mile Draw Federal #9 NW/4NE/4 Sec. 17-6S-22E Chaves County, N.M.

NM 36193

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	- 663
Tubb	- 2365'
Abo	- 3065'

- 3. <u>ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:</u> Fresh water - In surface formations above 600' Gas - In Abo formation below 3065'
- 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:

pt C

0'- 700' Lime and gel, spud mud, viscosity 32 to 34 seconds. 700'- 2965 Fresh water 2965'- TD Start mudding up at 2965'; 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.

-1-

8. TESTING, LOGGING AND CORING PROGRAM:

Samples:	' Catch samples from surface to TD.
DST'S:	None
Logging:	GR-CNL, Dual Lateral MSFL from
	surface to TD.
Coring:	None

- 9. <u>ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE</u>: None anticipated.
- 10. <u>ANTICIPATED STARTING DATE</u>: On or before March 5, 1987. Drilling should be completed within 60 days. Completion operations (perforations and stimulation) will follow drilling operations.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

MCKAY OIL CORPORATION Four Mile Draw Federal #9 NW/4NE/4 Sec. 17-65-22E Chaves County, N.M.

NM-36193

This plan is submitted with the application for permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

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- A. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. The well is approximately 30 miles North of Roswell, N.M.
- B. <u>Directions</u>: Heading North out of Roswell, New Mexico on U.S. 285 for approximately 23 miles and turn left on county road just before mile marker 137 (Cottonwood Road). Go approximately 8.2 miles to gravel pit, turn right the go 2.7, access road is on left.

2. PLANNED ACCESS ROAD:

- A. Length and Width: 1 mile long and 14' wide.
- B. Surfacing Materials: Sand and gravel where needed.

C. Turnouts: none

- D. Maximum Grade: No more than 3%.
- E. Drainage Design: Road will have drainage ditches on both sides and a crowned top, with culverts and/or low water crossings as necessary.

-1-

- F. Culverts: None
- G. Cuts and Fills: none
- H. Gates, Cattleguards: none
- I. Top Soil: Very little

3. LOCATION OF EXISTING WELLS:

A. A map indicating the location of adjacent wells is attached.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. <u>See Exhibit "A"</u> for location of existing lease wells. If the well is commercial, production facilities and tank battery will be constructed.
- B. <u>Cuts and Fills</u>: Less than 10'of cut and fill will be required for the pad size of 250' X 250'. (see Exhibit "F")
- C. <u>Top Soil</u>: Any top soil which can sustain plant vegatation will be bladed and piled for future rehabilitation.
- 5. LOCATION AND TYPE OF WATER SUPPLY:
 - A. Water will be purchased from a commercial source and trucked to the location over existing and proposed access roads.
- 6. SOURCE OF CONSTRUCTION MATERIALS:
 - A. Federal pit located in the SW/4NW/4 Sec. 15-6S-22E.
- 7. METHODS OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during test will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.

- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt or deposited in an approved sanitary landfill. All waste material will be contained by a netted container to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "C".
- F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.
- 8. ANCILLARY FACILITIES:
 - A. None necessary
- 9. WELL SITE LAYOUT:
 - A. <u>Exhibit "C"</u> indicates the relation location and dimensions of the well pad, mud pits, reserve pit and major rig equipment.
 - B. The location slopes to the northeast.
 - C. The reserve pit will be lined with plastic to prevent loss of water.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the well site in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the well is non-productive or abandoned, the distrubed area will be rehabilitated using the preserved soil mentioned in 2. I. and 4. C.

11. OTHER INFORMATION:

A. Topography: The topography slopes east

in the vicinity of access road and northeast in the vicinity of the drill pad. Regional slope is east toward the Macho Draw which is approximately 3 mile from this location.

- B. Soil: Sandy loam with limestone outcropping.
- C. <u>Flora and Fauna</u>: The flora consists of typical desert vegetation, such as yucca, cactus and various grasses. Fauna consists of desert wildlife such as coyotes, rodents, snakes, deer and antelope.
- D. <u>Ponds or Streams</u>: Macho Draw is about 3 mile east of the proposed location.
- E. <u>Residences and other Structures</u>: The old Pierce ranch house is approximately 2 3/4 mile east of this location.
- F. Archaeological, Historical and Other Cultural Sites: An Archaeologist from Portales,NM (A.C.A. Co.) has checked and approved this site and access road.
- G. Land Use: Grazing
- H. Surface Ownership: Fee-W.D. McKnight

12. OPERATOR"S REPRESENTATIVE:

Gary Richburg Koswell, New Mexico (505) 623-4735

13, CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; that the work

-4-

associated with the operations proposed herein will be purformed by McKAY OIL CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to provisions of 18 USC 1001 for the filing of a false statement.

11/10/89 DATE:



SCALE: ½" 1 MILE



MCKAY OIL CORPORATION Four Mile Draw Fed. #9 NW/4NE/4 Sec. 17-65-22E Chaves County, New Mexico



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