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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

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

DISTRICT III 1000 Rio Brazos Rd., Astec, NM 87410 Energy, Minerels and Natural Resources Department

Form C-102 Revised February 10, 1994 Instruction on back OIL CONSERVATION DIVISION

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N 14

WELL LOCATION AND ACREAGE DEDICATION PLAT

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									GARY L. JONES,	7977

SUPPLEMENTAL DRILLING DATA

MCDONNOLD OPERATING, INC.

Well #18 Langlie Jack Unit 1310' FNL, 2630' FEL, Sec. 20, T-24-S, R-37-E Lea County, New Mexico

1. <u>SURFACE FORMATION:</u> Permian

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Rustler	1180 ′
Yates	2900 ′
Seven Rivers	32251
Queen	3440′

3. <u>ANTICIPATED POROSITY</u> ZONES:

Water	180′
Gas	3020 ′
Oil	3440′

4. <u>CASING DESIGN</u>:

<u>Size</u> 12 1/4" 7 7/8"	<u>Casing</u> 8 5/8" 5 1/2"	<u>Interval</u> 0 - 400' 0 - 3900'	<u>Weight</u> 24.0# 14.0#	K-55	STC	<u>Condition</u> New
, ,,0	J 1/2	0 = 3900	14.0#	K-55	STC	New

- 5. <u>SURFACE CONTROL EQUIPMENT:</u> A 3000 psi working pressure BOP system. A sketch of BOP is attached.
- 6. <u>CIRCULATING MEDIUM:</u> 0'- 400' Fresh water with gel added if needed for viscosity 400'- TD Salt water conditioned as necessary for control of viscosity and water loss.
- 7. <u>AUXILIARY EQUIPMENT:</u> Drill string safety valve.
- <u>TESTING, LOGGING, AND CORING PROGRAMS</u>: No coring or DST's are planned. Compensated Neutron-Formation Density w/Gamma Ray Log, 0-TD; Dual Lateral Log Shoe to TD.
- 9. <u>ABNORMAL PRESSURES, TEMPERATURES OR GASES:</u> None anticipated.
- 10. <u>ANTICIPATED DATES</u>: It is planned that drilling operations will commence about June 16, 1994. Duration of drilling and completion operations should be 20 to 60 days.

Road Log to the Langlie Jack Unit #18

Starting Point is Jal, New Mexico at the intersection of County Road 128 and County Road 18.

- 0.0 Turn left (North) and proceed 6.3 miles to Cooper Cementery Road.
- 6.30 Turn right (East) and proceed .75 miles to an existing lease road.
- 7.05 Turn right (South) and proceed in a southerly direction for a distance of .25 miles to the northeast edge of the proposed drill pad.
- 7.30 Langlie Jack Unit #18 drillsite.

THIRTEEN POINT PROGRAM

- 1. <u>Existing Roads</u>: Existing roads which lead to the proposed drillsite are shown on Exhibits "A" and "B".
- <u>Proposed New Road</u>: Proposed new access road will be approximately 30' in length and connect the northeast edge of 200' x 150' area to an existing lease road shown on Exhibit "B".
 - A. <u>Width:</u> 14 feet with 30-foot R-O-W
 - B. <u>Surfacing Material:</u> The new road will be surfaced with caliche or other available material, if required.
 - C. <u>Maximum Grade:</u> Less than one percent
 - D. <u>Turnouts:</u> None required.
 - E. <u>Drainage Design:</u> New road will be crowned with drainage to the side.
 - F. <u>Culverts:</u> None planned.
 - G. <u>Gates, Cattleguards:</u> None required.
- 3 <u>Location of Existing Facilities:</u> Existing wells in the vicinity of the proposed drillsite are shown on Exhibit "C".
- 4. Location of Proposed Facilites:
 - A. If this well is productive, production and storage facilities will be located on the wellpad.
- 5. Location and Type of Water Supply:

A. Water for leasehold operations will be purchased from an available permitted water hauling company.

- 6. <u>Source of Construction Materials</u>: Where possible, material-in-place will be used for upgrading the road and construction of the well pad. If additional material is required, it will be obtained from a caliche pit located on the lease just East of the location owned by J. T. Crawford.
- 7. <u>Method of Handling Waste Disposal:</u>
 - A. Pits will be dug a minimum of 4' below ground level and lined.
 - B. Drill cuttings will be disposed of in the pits.
 - C. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - D. Water produced during test will be disposed of in the drilling pits.
 - E. Plastic lining of the pits will be removed before reclaiming the pit area.
 - F. Trash, waste paper garbage and junk will be stored in an above ground container, emptied when full and taken to an authorized landfill or other suitable disposal facility. At the conclusion of well completion operations, or plugging operation in the case of a dry hole, the trash and debris containers shall be removed from the location.
- 8. <u>Ancillary Facilites:</u> None anticipated.
- 9. <u>Wellsite Layout:</u>
 - A. The dimensions and relative location of the drill pad, mud pit and trash container with respect to the well bore are shown on Exhibit "D".
 - B. Four inches of top soil will be removed from the surface and stockpiled on southwest corner of location. Four inches of cliche will be used for surfacing of location.
- 10. <u>Plans for Restoration of the Surface:</u>
 - 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 as aesthetically pleasing condition as possible.

11. <u>Other Information</u>:

- A. Topography: The wellsite elevation is 3275' GR +/-.
- B. Soil: Top soil is sandy loam.
- C. Land Type & Use: The vicinity surrounding the drillsite is semi-arid rangeland and its primary use is for grazing.
- D. Flora & Fauna: The vicinity surrounding the drillsite is semiarid desert ranchland. Flora consists primarily of mesquite and range grasses interspersed with other desert plants. Fauna for this type of habitat includes rabbits, lizards, snakes, rodents, skunks, coyotes, dove, quail, and other small birds.
- E. Ponds and Streams: None
- F. Water Wells: nearest known water well located in the SW/4 of Section 21, T-24-S, R-37-E.
- G. Residences and Other Structures: Nearest occupied dwelling is 3 miles to the southwest of location.
- H. Archaeological reconnaissance of the well pad will be forwarded directly to the BLM office.
- I. Land Use: Grazing
- J. Surface Owner: Henry H. Harrison Leasee: J. T. Crawford
- 12. <u>Operator's Representative</u>: Representative responsible for assuring compliance with the approved Surface Use Plan:

Craig McDonnold Office: (915) 682-6396 505 N. Big Spring, Ste 204 Midland, TX 79701

13. <u>Cerfification:</u>

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by MCDONALD OPERATING, INC. and its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

5/24/94

Cin M. Mc Den

Craig/McDonnold MCDONNOLD OPERATING, INC.

Date

RECEIVED

ADDENDUM TO

SUPPLEMENTAL DRILLING DATA	JUN 13 10 49 AM '94
MCDONNOLD OPERATING, INC.	CARLE ROE AREA HELE ERS

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Langlie Jack Unit #18 1310' FNL, 2630' FEL, Sec. 20, T-24-S, R-37-E Lea County, New Mexico

CEMENTING PROGRAM:

- Surface Casing 275 sxs Premium Plus, 2% CaCl2, 1/4# per sack of flow seal.
- Production Casing 600 sxs Halad light, 6# salt, 1/4# flow seal per sack. Tail in w/275 sxs Premium Plus w/.5% Halad 9.

SURFACE USE PLAN

FOR

DRILLING, COMPLETING AND PRODUCTION

MCDONNOLD OPERATING, INC.

Well #18 Langlie Jack Unit 1310' FNL, 2630' FEL, Sec. 20, T-24-S, R-37-E Lea County, New Mexico

LOCATED: 6.38 air miles Northeast of Jal, NM

FEDERAL LEASE NUMBERS: LC-032326(A) issued 12/1/57 LC-033575 issued 2/1/68 NM-037667 issued 7/1/57

<u>RECORD</u> LESSEE: McDonnold Operating, Inc.

680

OPERATOR'S AUTHORITY: Lessee

BOND COVERGE: Statewide Bond

ACRES IN LEASE:

SURFACE OWNERSHIP: Henry H. Harrison

SURFACE GRAZING LEASE:

J. T. Crawford Drawer T Jal, NM 88252

WELL SPACING: 20 acre spacing

POOL:

EXHIBITS:

- Langlie Mattix Seven Rivers Queen Grayburg
- A. Portion of Lea County Road Map B. Topo Location Verification Map
 - C. Lease Map

 - D. Sketch of Well Layout
 - E. Surface Agreement
 - F. Sketch BOP



LEA COUNTY, NEW MEXICO



LEA COUNTY, NEW MEXICO





SURFACE AGREEMENT FOR - SEC. 20, T-24-S, R-37-E

Records show that the above-described tract of land is owned as follows:

Surface:	Henry H. Harrison J. T. Crawford, Leasee
Minerals:	U. S. Government
Oil & Gas Leases:	McDonnold Operating, Inc.
Designation of Operator:	N/A

An Agreement has been reached with the private surface owner as to the requirements for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof.

M. Mes

Craig **#**Connold MCDONNOLD OPERATING, INC.

SUPPLEMENTAL EXHIBIT "E" SURFACE AGREEMENT

MCDONNOLD OPERATING, INC. WELL #18 LANGLIE JACK UNIT 1310' FNL, 2630' FEL, SEC 20–24S–37E LEA COUNTY, NEW MEXICO



I Paul Truns talked with Dary Dunley al R.O.O be confirmed that McDonnold Operating Co. is operator of Langlie Juck Ud &- 7-20-94 Root Room . He