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. _W MEXICO OIL CONSERVATION COMMILJION WELL LOCATION AND ACREAGE DEDICATION PLAT

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APPLICATION FOR DRILLING

BILL FENN, INC. Derrick Federal Com., Well No. 1 990' FSL & 990' FEL, Sec. 34-T14S-R27E Chaves County, New Mexico Lease No.: NM-53965 (Re-entry Development Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Bill Fenn, Inc. submits the following items of pertinent information in accordance with BLM requirements:

- 1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are as follows:

Queen	746'	Cisco	6770'
Grayburg	1096'	Canyon	7086'
San Andres	1406'	Atoka	7890'
Glorieta	2500'	Mississippi L/S	8210'
Tubb	4126'	T. D.	828 6 '
Abo	4908'		
Wolfcamp	6012'		

3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:

Water: Surface water between 100' - 350'.

Oil: None expected.

Gas: Atoka below 7950'.

- 4. Proposed Casing Program: See Form 3160-3.
- 5. Proposed Control Equipment: See Form 3160-3 and Exhibit "E",
- 6. Mud Program: See Form 3160-3.
- 7. Auxiliary Equipment: Blowout Preventer, gas detector, Kelly cock, pit level monitor, flow sensors and stabbing valve.
- 8. Testing, Logging, and Coring Program:

Drill Stem Tests: None.

Logging: T.D. to intermediate casing: GR-CNL-LDT, RFT and DLL w/Rxo,

Coring: None planned.

- 9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight.
- Anticipated starting date: October 30, 1989.
 Anticipated completion of drilling operations: Approximately 35 days.

MULTI POINT SURFACE USE AND OPERATIONS PLAN

BILL FENN, INC. Derrick Federal Com., Well No. 1 990' FSL & 990' FEL, Sec. 34-T14S-R27E Chaves County, New Mexico (Re-entry Development Well)

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, to be followed in rehabilitating the surface environmental effects associated with the operations.

- 1. EXISTING ROADS:
 - A. Exhibit "A" is a portion of a BLM Topographic Roswell Quadrangle map showing the location of the proposed well as staked. The well site location is approximately 12 road miles southeast of Hagerman, New Mexico. There will be approximately 8 miles of paved highway and 4 miles of gravel county and ranch/oilfield roads.
 - B. Directions: Travel East from Hagerman, NM on New Mexico Highway 31 for 7.8 miles to the gravel Chaves County road No. 257 (Harriet Rd.), which turns south at the Transwestern Pipeline crossing of State Road #31. Continue south on Harriet Rd. for 3 miles then turn right (west) onto another county road for approximately .9 mile to a dry hole marker 300 feet south of the road. This is the Derrick Fed. Com., Well No. 1 to be re-entered.

2. PLANNED ACCESS ROAD;

- A. Length and Width: There will be approximately 150 feet of existing access road 12 feet wide (24' Max.), and .9 mile of county road to be upgraded. The Chaves County Rd. No. 3-36 will be upgraded with the cooperation of the county road department. The proposed and existing roads are color coded on Exhibits "A" and "B".
- B. Construction: The existing access road will be upgraded by grading and topping with compacted caliche. The surface will be properly drained with water bars.
- C. Turnouts: No turnouts are planned at this time.
- D. Culverts: None planned. Low water crossings at several points will be used.
- E. Cuts and Fills: None required except to patch and level rough spots on existing road.
- F. Gates, Cattleguards: None required.
- G. Off Lease R/W: None required. The existing access road is all on county maintained road.
- 3. LOCATION OF EXISTING WELLS:
 - A. Existing wells within a two mile radius are shown on Exhibit "C".

Bill Fenn, Inc. Derrick Federal Com., Well No. 1 Page 2

- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES;
 - A. There are no production facilities on the lease at this time.
 - B. If the well proves to be commercial, the necessary production facilities, gas a separation-process equipment and tank battery will be installed on the drilling pad.
- 5. LOCATION AND TYPE OF WATER SUPPLY:
 - A. It is planned to drill the proposed well with fresh water that will be obtained from private or commercial sources and will be transported over the existing and proposed access roads.
- 6. SOURCE OF CONSTRUCTION MATERIALS:
 - A. Caliche for surfacing the existing access road and well site pad will be obtained from an approved Federal pit in the NW%NE% of Section 13-T15S-R278E. Some caliche will be obtained from the Tanner Fed. #1 well pad located in the SW%SE% of Sec. 35-T14S-R27E. The topsoil from the location will be stockpiled near the location for future rehabilitation use. No surface materials will be disturbed except those necessary for actual grading and leveling of the drill site and access road.
- 7. METHODS OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the reserve pits.
 - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
 - C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.
 - D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the BLM for approval.
 - E. Oil produced during operations will be stored in tanks until sold.
 - F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
 - G. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
 - H. 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 required.

Bill Fenn, Inc. Derrick Federal Com., No. 1 Page 3

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, waste pits, and major rig components. The existing pad and pit area will be scraped and upgraded for use with a work over rig.
- B. Mat Size: 150' X 150', including waste pits.
- C. Cut & Fill: None required except a possible filling in of a washed out ravine area on the southwest corner of the pad.
- D. The surface will be topped with compacted caliche, if needed, and the waste pits will be plastic lined.
- 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 a condition as possible.
 - B. Any unguarded pits containing fluids will be fenced until they are filled.
 - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION:

- A. Topography: The existing well site and access road are located in the breaks east of Buffalo Valley with hill slopes of 30 to 50 per cent surrounding the location from an elevation of 3445'.
- B. Soil: The topsoil at the well site is a loamy sand and caliche, some of which was probably brought in during the original construction. The surrounding undisturbed soil is of the Holloman-Gypsum land complex series with exposed siltstone, shale and gypsum rock outcrops on the surrounding hillsides.
- C. Flora and Fauna: The vegetation cover is a fair grass cover of sand dropseed, blue, black & side oats grama, fluffgrass, blue stem, sacaton and three-awn, along with plants of mesquite, yucca, snake broomweed, croton, cacti, salt cedar, thistle, goldenrod and miscellaneous weeds and wildflowers. The wildlife consists of rabbits, coyotes, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
- D. Ponds and Streams: None in the immediate vicinity.
- E. Residences and Other Structures: None in the immediate area.
- F. Land Use: Cattle grazing.
- G. Surface Ownership: The proposed (existing) well site and the access road is on Federal surface and minerals.

Bill Fenn, Inc. Derrick Federal Com., Well No. 1 Page 4

11. OTHER INFORMATION; cont.....

H. There is no evidence of any archaeological, historical of cultural sites in the area. There will be no disturbance outside the existing road and pad area. No additional archeaological clearance should be required.

OPERATOR'S REPRESENTATIVE:

A. The field representative for assuring compliance with the approved surface use and operations plan is as follows:

Danny Brown Bill Fenn, Inc. P. O. Box 569 Giddings, Texas 78942 Office Phone: (409) 542-9631 Home Phone: (512) 446-7143

13. CERTIFICATION:

I hereby certify that I have inspected the proposed drill site 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 Bran Oil Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

October 9, 1989

George R. Smith Agent for: Bill Fenn, Inc.



Ē	State, County, City, Wildlife, Park and Outdoor Recreation Areas.	
Ē	Acquired Lands (By Administering Agency)	
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EXHIBIT 'A' BILL FENN, INC. Derrick Federal Com., Well No. 1 (re-entry) 990' FSL & 990' FEL, Sec. 34-T14S-R27E Existing Access Roads: Proposed Access Road: None

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E FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing. Choke outlet to be a minimum of 4" diameter.

Kill line to be of all steel construction of 2" minimum diameter.

All connections from operating manifolds to preventers to be all steel. hole or tube a minimum of one inch in diameter.

The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.

All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.

Inside blowout preventer to be available on rig floor.

Operating controls located a safe distance from the rig floor

Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full. . D. P. float must be installed and used below zone of first gas intrusion.

> EXHIBIT "E" BILL FENN, INC. Derrick Federal Com., Well No. 1 **BOP** Specifications



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