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APPLICATION FOR PERMIT TO DRILL OR DEEPEN						TTEN OR TRIBE NAME	
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b. TYPE OF WELL	GAR OTHER		SINGLE (MULTIPLE [~~]	30-015-	29872	
2. NAME OF OPERATOR	1275	2		ZONE	8. FARM OF LEASE NAM Angell F		
Chi Operati	ting, inc	A1891		585-5001	9. API WELL NO.		
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or applied for, on this lease, ft. N/A 21. Elevations (Show whether DF, RT, GR, etc.)			9,300′		Rotary		
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N. N.

*See Instructions On Reverse Side

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. Fictitions or fundation statements or representations as to any matter within its jurisdiction.



District I PO Box 1980, Bobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT											
API Number "Pool Code					17	' Pool Name Wildcat					
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Property Code Property Name										1	
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APPLICATION FOR DRILLING

CHI OPERATING, INC. Angell Federal Com., Well No. 1 1980' FSL & 660' FEL, Sec. 3-T19S-R27E Eddy County, New Mexico Lease No.: NM-97124 (Exploratory Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Chi Operating, 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:

Grayburg	1275'	Wolfcamp	7775'
San Andres	1700'	Cisco Dolomite	9250'
Glorietta	3100'	T.D.	9300'
Bone Spring 1st Sand	4800'		

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

Water: Surface water between 100' - 300'.Oil: Possible in the Grayburg below 1275' and the Bone Spring below 4800'.Gas: Possible in the Cisco Canyon.

- 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: 0' to 2200': GR/CNL 2200' to T.D: GR/DLL/MSFL/CNL/FDC/CAL. Coring: As required, primarily in the Bone Spring 1st sand.

- 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. Estimated evacuated BHP = 3700 with a temperature of 150°.
- 10. H₂S: None expected.
- Anticipated starting date: October 1, 1997. Anticipated completion of drilling operations: Approximately 30 days.

MULTI POINT SURFACE USE AND OPERATIONS PLAN

CHI OPERATING, INC. Angell Federal Com., Well No. 1 1980' FSL & 660' FEL, Sec. 3-T17S-R27E Eddy County, New Mexico Lease No.: NM-97124 (Exploratory 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 the BLM Artesia Topo Quad map showing the location of the proposed well as staked. The well site location is approximately 23 road miles southeast of Artesia, NM. Traveling east of Artesia on U.S. Highway 82, there will be 21 miles of paved highway, plus 2.2 miles of existing gravel ranch and oilfield roads.
- B. Directions: Travel east from U. S. Highway #285 in Artesia, NM on U. S. Highway 82 for approximately 9 miles to County Road #204. Turn southeast (right) onto #204 for .3.6 miles; then south on #206 for 7 miles to County Rd. #236 (Neatherlin Rd). Turn right on #236 for 1.2 miles, passing ranch house, then turn northwest .9 mile to "Y" in road, take left road for .3 mile to road running north. Take this road for .5 mile to the Yates Fed. HF well site, continue northeast for .5 mile to the start of proposed access road on the left side of road. The proposed access road will start at this point and run west for approximately 500 feet to the SE corner of the proposed well site.

2. PLANNED ACCESS ROAD:

- A. Length and Width: There will be approximately 500 feet of new access road 12 feet wide (24' Max.). The proposed and existing roads are color coded on Exhibits "A" and "B".
- B. Construction: The new access road will be constructed by grading and topping with compacted caliche. The surface will be properly drained.
- C. Turnouts: None required.
- D. Culverts: None.
- E. Cuts and Fills: None required.
- F. Gates, Cattle guards: None required.
- G. Off Lease . None required.

3. LOCATION OF EXISTING WELLS:

Chi Operating, Inc. Angell 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 productionprocess equipment and tank battery, if required, 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 proposed access road and well site pad will be obtained from a pit on the location, if available, or from a State pit in the SE¼NE¼, Sec. 14-T19S-R27E. 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 contained in trash bins to prevent scattering by the wind and will be removed for deposit in an approved sanitary land fill within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A. None required.

Chi Operating, Inc. Angell Federal Com., Well No. 1 Page 3

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area has been staked and flagged, 400' X 400'.
- B. Mat Size: 250' X 175', plus 100' X 100' reserve pits on the north.
- C Cut & Fill: The location is level but will require a 1.5 2 foot cut on the east with fill to the west.
- D. The surface will be topped with compacted caliche and the reserve 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 and screened 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 as soon as they are dry enough to be worked.

11. OTHER INFORMATION:

- A. Topography: The well site and access road are located in a relatively level surface with an overall 2% slope to the west from an elevation of 3466' GL.
- B. Soil: The topsoil at the well site is a light tan colored clay soil underlain with some gyp rock and other gravel scatter of the Reeves Gypsum Land complex Series.
- C. Flora and Fauna: The vegetation cover is a fair to good grass cover of threeawn, grama, dropseed and Hall's Panic, along with plants of mesquite, broomweed, yucca, fourwing saltbush, cacti creosote and javelina bush 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 area.
- E. Residences and Other Structures: None in the area, except production facilities.
- F. Land Use: Cattle grazing.

Chi Operating, Inc. Angell Federal Com., Well No. 1 Page 4

11. OTHER INFORMATION: cont....

- G. Surface Ownership: The proposed well site and access road is on Federal surface and minerals.
- H. There is no evidence of any archaeological, historical or cultural sites in the area. An archaeological survey is being conducted by Desert West Archaeological Service, P. O. Box 645, Carlsbad NM 88220, and their report will be submitted to the appropriate government agencies.

12. OPERATOR'S REPRESENTATIVE:

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

David Harrison Chi Operating, Inc. P. O. Box 1799 Midland, Texas 79701 Office Phone: (915) 685-5001 Home Phone: (915) 684-8825

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 Chi Operating, Inc. 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.

September 12, 1997

Jacoures Sugla

George R. Smith Agent for: Chi Operating, Inc.





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Angell Federal Com., Well No. 1 Pad & Pit Layout



DRILLING CD., INC. - OIL WELL DRILLING CONTRACTORS

P. D. BOX 1498 ROSWELL, NEW MEXICO 88202-1498 808/623-5070 \$05/746-2719 ROBWELL, NM ARTEBIA, NM

RIG #1

BLOWOUT PREVENTOR ARRANGEMENT

II"SHAFFER TYPE LWS, 5000 psi WP II"GK HYDRIL, 5000 psi WP 80 GALLON, 4 STATION PAYNE ACCUMULATOR 3000 psi WP CHOKE MANIFOLD

