| |).t. / | No. 28 - Conte With Conte | 0 | | √ | | | | |
|--|---|------------------------------------|--|----------------------------|--|--|--|--|--|
| Form 3160-3 (July 1992) | | | SUBMIT IN TRI | L. JATE tions on de) | • FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995 | | | | |
| | | OF THE INTER | | | 5. LEASE DESIGNATION AND SERIAL NO. | | | | |
| | BUREAU OF | LAND MANAGEMEN | IT OCAECEIVED | | NM-90847 | | | | |
| APPLI | CATION FOR PE | ERMIT TO DRILL | OR DEEPEN | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | | | | |
| 1a. TYPE OF WORK DRI b. TYPE OF WELL | | DEEPEN | | | 7. UNIT AGBEEMENT NAME | | | | |
| OIL GA | S OTHER R | | NGLE MULTIPL NE ZONE | · * | 8. FARM OR LEASE NAME, WELL NO. | | | | |
| 2. NAME OF OPERATOR YATES PETROLE | UM CORPORATION | 25575 | | | Big Freddy Unit #2 9. AFIWELNO | | | | |
| 3. ADDRESS AND TELEPHONE NO. | | | | | 311-115- 11154 | | | | |
| | rth Street, Arte port location clearly and | | 0 88210 (505)748 tate requirements.*) | 8-1471 | 10. FIELD AND POOL, OR WILDCAT | | | | |
| 1980' FNL and | 1980' FWL | y F | | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA | | | | |
| At proposed prod. zone Same | e | Va• , | | | Section 10, T23S-R22E | | | | |
| 14. DISTANCE IN MILES A | ND DIRECTION FROM NEAR | EST TOWN OR POST OFFIC | C + | | 12. COUNTY OR PARISH 13. STATE | | | | |
| Approximately | 32 miles west | of Carlsbad, Ne | w Mexico | | Eddy County New Mexico | | | | |
| 15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig | INE, FT. | 1980' | 640 | | OF ACRES ABSIGNED HIS WELL 320 | | | | |
| 18. DISTANCE FROM FROP TO NEAREST WELL, DE OR APPLIED FOR, ON THI | DSED LOCATION® RILLING, COMPLETED, | | OPOSED DEPTH 10,110' | _ | RABY OB CABLE TOOLS | | | | |
| 21. ELEVATIONS (Show whe | | i | | 1 | 22. APPROX. DATE WORK WILL START [•] ASAP | | | | |
| 4517' GR 23. | | PROPOSED CASING AND | CEMENTING PROGRAM | | | | | | |
| SIZE OF HOLE | GRADE, SIZE OF CASINO | WEIGHT PER FOOT | SETTING DEPTH | | QUANTITY OF CEMENT | | | | |
| 13 3/4" | 10 3/4" | 40.5# | 954' In Place | | 00 sx Circulate | | | | |
| Existing | 4 1/2" | 9.5# & 11.6# | 5692'-10150' | | 700 sx | | | | |
| Existing | 4 1/2" | 9.5# | In Place 0-5692' | As | s Warranted | | | | |
| and Refining C and abandoned run 4 1/2" cas | Yates Petroleum Corporation proposes to re-enter this well which was drilled by Humble Oil and Refining Company on January 27, 1963 as the Haupache Oil Unit #10. This well was plugged and abandoned on December 31, 1968. Yates Petroleum Corporation will drill out all plugs, run 4 1/2" casing to 5692' splice on to existing 4 1/2" casing and clean out hole to TD, and test the Morrow and intermediate formations. | | | | | | | | |
| MUD PROGRAM: 2 | % KCL program w | ith water loss | additives and G | el for | viscosity. | | | | |
| BOPE PROGRAM: | BOPE will be in | nstalled on the | 10 3/4" casing | and to | ested daily for operational. | | | | |
| APPHOVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, and cited of present productive zone and proposed new productive zone. If proposal is to drill or | | | | | | | | | |
| deepen directionally, give perti | nent data on subsurface location | is and measured and true vertice | al depths. Give blowout preven | iter program, | , if any. | | | | |
| 24. SIGNED | E. R. May | TITLE | Regulatory Agen | t | DATE April 23, 1998 | | | | |
| (This space for Feder | ral or State office use | | | - | | | | | |
| PERMIT NO. | | | APPROVAL DATE | | <u>.</u> | | | | |
| Application approval does r CONDITIONS OF APPROVAL | | licant holds legal or equitable ti | tle to those rights in the subject h | ease which w | yould entitle the applicant to conduct operations thereon. | | | | |
| | SGD.) ARMANDO A. LO | | 1/4 Sha Alash | ALC: | | | | | |
| APPROVED BY | | | On'Reverse Side | | DATE | | | | |

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| *See | Instructions | On | Reverse | Side |
|------|--------------|----|---------|------|
| *See | Instructions | On | Keverse | 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

District I PO Box 1980, Hobbs, 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 Coo | le | ' Pool Name | | | | | | |
|------------------------------------|--|-----------------------------|------------------|--|----------------------|-------|----------------------------|---------------------|-----------------|------------|---|
| 4 Property | Code | · | | | | | | Morrow | 7 | | |
| * Property Code | | | | * Property Name * We | | | | | • Well Number | | |
| 'OGRID | Big Freddy Unit 2 'OGRID No. | | | | | | _ | | | | |
| 025575 | | | ···· | | | | DLEUMCORPORT | TATION | | | 'Elevation 4517' GR |
| | | | | | ¹⁰ Surfa | ice] | Location | | | L <u></u> | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from th | | North/South line | Feet from the | East/West | t line | County |
| F | 10 | 235 | 22E | | 1980' | | North | 1980' | West | : | Eddy |
| | · | | " Bot | tom Hol | e Location | n If | Different Fro | om Surface | · | | ······································ |
| UL or lot no. | Section | | Range | Lot Idn | Feet from th | | North/South line | Feet from the | East/West | line | County |
| ¹¹ Dedicated Acr 320 | es " Joint | or Infill ¹⁴ Cor | nsolidation | a Code 13 O | rder No. | | | | | | |
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| NO ALLOV | VABLE | WILL BE AS OR A NO | SIGNEI ON-STA | D TO THI NDARD | S COMPLE UNIT HAS | TIO | N UNTIL ALL EN APPROVED | INTERESTS H | AVE BEE | N COI | NSOLIDATED |
| 16 | | | | 7 | | | | | | | |
| | ĺ | | | | | | | ¹⁷ OPER | ATOR (| CERI | TIFICATION |
| | | | | | | | | I hereby certif | s that the info | ormation | contained herein is knowledge and belief |
| | | | | | | | | | | si oj my i | Rhowledge and belief |
| | | 980 | | | | | | | | | |
| | | 198 | | 1997年 1997 1997 | | | | 000 | the R. | N | 2 |
| | | | | | | | | Signature | un 11. | | Lay |
| | | | | | | | | · · · · | n R. Ma | | |
| /92 | 80' | | | | | | | Printed Name | | | |
| | | O. | | | | | | Regulat Tide | tory Age | ent | |
| | | | | | | | - | _April 2 | 23, 1998 | 8 | |
| | | | | · | · | | | Date | | _ | |
| | | | | | | | | ¹⁸ SURVE | EYOR C | ERT | IFICATION |
| NM- | 90 | 847 | | | | | | I hereby certify | that the well | location | shown on this play |
| 10111 | 1 ~ 6 | | 1 | | | | | was pioned from | m field notes c | of actual | surveys made by the same is true |
| | | | | | | | | and correct to L | he best of my | belief. | Die sume is mie |
| | | | | | | | | REFER | TO ORIC | GINAL | PLAT |
| | | | | | | ļ | | Date of Survey | | | |
| | | | 11 1948 1 | | | | | Signature and Se | cal of Profess: | ional Sur | veyer: |
| | | | | | | | | | | | |
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| | | | 5 | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | Certificate Numb | xr | | |

| HUMBLE LEASE NO. 205649 NEW …CXICO OIL STATE LEASE NO. FEDERAL LEASE NO. 066097 Well Location an | nd Acreage Dedication Plat Revised 5/1/57 |
|--|---|
| Is the Operator the only owner" in the de Yes No If the answer to question one is "no", ha consolidated by communitization agreement "yes." Type of Consolidation | 10 Township 23 South Range 22 East NHI ne, 1986 Feet From West Lin Later Dedicated Acreage 40 Acr 32 Pool Huapache Area Wikdcat edicated acreage outlined on the plat below? |
| <u>Owner</u> | Land Description |
| Section B | B A This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief HUMBLE OIL &REFG. CO. (Operator) A A Box 1600 Midland, Texas Address |
| | This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief. Date Surveyed <u>Jan.14, 1963</u> <u>M. Mesterfield</u> Registered Professional Engineer and/or Land Surveyed Certificate No. <u>1382</u> |
| 0 330 660 990 1320 1650 1980 2310 2640 2000 | 1500 1000 500 0 FILE NO. W-A-3434 |

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YATES PETROLEUM CORPORATION Big Freddy Unit #2 (Re-entry) 1980' FNL and 1980' FWL Sec. 10-T23S-R22E Eddy County, New Mexico

1. The estimated tops of geologic markers are as follows:

| Cherry Canyon | 550' |
|---------------|---------|
| Bone Spring | 1170′ |
| Wolfcamp | 5670′ |
| Cisco | 7150′ |
| Canyon | 7410′ |
| Strawn | 8180′ |
| Morrow | 9570′ |
| TD | 10,110′ |

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

Water: 100'-300' Oil or Gas: 9570'

3. Pressure Control Equipment: BOPE will be installed on the 10 3/4" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.
- 4. THE PROPOSED CASING AND CEMENTING PROGRAM:
 - A. Casing Program:

| <u>Hole Size</u> | Casing Size | <u>Wt./Ft</u> | Grade | Interval | Length |
|------------------|-------------|---------------|-----------|----------|--------|
| 13 3/4″ | 10 3/4" | 48# | J-55 | In Place | 954′ |
| Not Known | 4 1/2" | 9.5# & 11.6# | Not Known | In Place | 11150' |
| Not Known | 4 1/2" | 9.5# | J-55 | 0-5692' | 5692' |

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

B. CEMENTING PROGRAM:

Surface casing: In Place.

Production Casing: In Place

5. MUD PROGRAN AND AUXILIARY EQUIPMENT:

2% KCL program with water loss additives and Gel for viscosity.

Big Freddy Unit #2 Page 2

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: None anticipated. Logging: As warranted. Coring: None anticipated. DST's: As warranted.

7. Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP: 4120 PSI.

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None anticipated.

Maximum Bottom Hole Temperature: 162 F

8. ANTICIPATED STARTING DATE:

Plans are to re-enter this well as soon as possible after receiving approval. It should take approximately 14 days to re-enter this well with completion taking another 8 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN Yates Petroleum Corporation Big Freddy Unit #2 1980' FNL and 1980' FWL Sec. 10-T23S-R22E Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 32 miles west of Carlsbad, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go northwest of Carlsbad, New Mexico on Highway 285 for approximately 8 miles to Highway 137. Turn west on Highway 137 and go approximately 16.6 miles, then go west on Eddy County Road #405 for 5.6 miles to the H Bar Y Ranch (mobile home). Go west past ranch house for approximately 800 feet and turn north passing through a gate #1 just east of cattle pens. Turn west for .01 of a mile to gate #2, then go southwest for .05 of a mile to gate #3, then go approximately 1.6 miles to the start of proposed new access road.

- 2. PLANNED ACCESS ROAD:
 - A. The proposed upgraded access will be approximately 1000 feet in length from the point of origin to the southeast corner of the drilling pad. The road will lie in a(n) northeast to southwest dirction.
 - B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
 - C. The new road will be bladed with drainage on one side. One traffic turnout may be built.
 - D. The route of the road is visible.
 - E. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the wellsite.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

Big Freddy Unit #2 Page 2

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to re-enter the proposed well with a salt brine system. The salt brine will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS:

Dirt contractor will obtain any permits for materials needed for the building of the well pad and road should they be needed.

- 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. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
 - D. Oil produced during operations will be stored in tanks until sold.
 - E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
 - F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary land fill. Burial on site is not approved.
- 8. ANCILLARY FACILITIES: None
- 9. WELLSITE LAYOUT:
 - A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
 - B. The reserve pits will be plastic lined.
 - C. A 400' x 400' area has been staked and flagged.
- 10. PLANS FOR RESTORATION
 - A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
 - B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
 - 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 level after they have evaporated and dried.

- 11. SURFACE OWNERSHIP: Federal surface, Administered by the Bureau of Land Management, Carlsbad, New Mexico.
- 12. OTHER INFORMATION:
 - A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
 - B. The primary surface use is for grazing.
- 13. OPERATOR'S REPRESENTATIVE
 - A. Through A.P.D. Approval:

Clifton R. May, Regulatory Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471 B. Through Drilling Operations, Completions and Production:

> Brian Collins, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

14. 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; and , that the work associated with the operations proposed herein will be performed by Yates Petroleum 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.

<u>4/23/98</u> Date





Yates Petroleum Corporation

Location Layout for Permian Basin

Up to 12,000'

YATES PETROLEUM CORPORATION Big Freddy Unit #2 1980' FNL and 1980' FWL Section 10, T23S-R22E Eddy County, New Mexico NM-90847



The above dimension should be a maximum



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