

Form 3160-4

(November 1983)
(formerly 9-330)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN _____, LOCATE*

(See other In-
structions on
reverse side)

Form approved.

Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

| | | | | | |
|---|---------------------------|---|--|---|------------------------------------|
| 1a. TYPE OF WELL: | | OIL WELL <input type="checkbox"/> | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/> | Other _____ |
| b. TYPE OF COMPLETION: | | | | | |
| NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESER. <input type="checkbox"/> Other _____ | | | | | |
| 2. NAME OF OPERATOR YATES PETROLEUM CORPORATION (505) 748-171 | | | | | |
| 3. ADDRESS OF OPERATOR 105 South 4th St., Artesia, NM 88210 | | | | | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements). At surface 1980' FNL & 1980' FEL (Unit G, SWNE) At top prod. interval reported below At total depth | | | | | |
| 14. PERMIT NO. API 30-015-29734 | | DATE ISSUED | | 12. COUNTY OR PARISH Eddy | |
| 15. DATE SPUDDED RH 8-31-97 RT 9-5-97 | | 16. DATE T.D. REACHED 10-12-97 | | 17. DATE COMPL. (Ready to prod.) 11-27-97 | |
| 18. ELEVATIONS (OF, RKB, RT, GB, ETC.)* 4479' GR | | 19. ELEV. CASINGHEAD | | 20. TOTAL DEPTH, MD & TVD 10110' | |
| 21. PLUG, BACK T.D., MD & TVD 7588' | | 22. IF MULTIPLE COMPL., HOW MANY* | | 23. INTERVALS DRILLED BY 40-10110' | |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7368-7543' Cisco | | | | 25. WAS DIRECTIONAL SURVEY MADE No | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/GR, Laterolog & BHC | | | | 27. WAS WELL CORED No | |
| 28. CASING RECORD (Report all strings set in well) | | | | | |
| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 20" | | 40' | 26" | Cement to surface | |
| 13-3/8" | 54.5# | 330' | 17-1/2" | 550 sx - circulate | |
| 9-5/8" | 36# | 1910' | 12-1/4" | 900 sx - circulate | |
| 5-1/2" | 17# | 10110' | 8-3/4" | 1050 sx | |
| 29. LINER RECORD | | | 30. TUBING RECORD | | |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE |
| | | | | | 2-7/8" |
| | | | | | 7328' |
| | | | | | 7328' |
| 31. PERFORATION RECORD (Interval, size and number) | | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | |
| 9725-9807' w/108 .42" holes | | | DEPTH INTERVAL (MD) | | |
| 9125-9179' w/17 .42" holes | | | AMOUNT AND KIND OF MATERIAL USED | | |
| 8671-8677' w/24 .42" holes | | | SEE ATTACHED SHEET | | |
| 7368-7543' w/26 .42" holes | | | | | |
| 33. PRODUCTION | | | | | |
| DATE FIRST PRODUCTION 11-25-97 | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing | | WELL STATUS (Producing or shut-in) SIWOPLC | |
| DATE OF TEST 11-26-97 | HOURS TESTED 24 | CHOKE SIZE 1/2" | PROD'N. FOR TEST PERIOD → | OIL—BBL. 1972 | GAS—MCF. 1972 |
| FLOW. TUBING PRESS. 300# | CASING PRESSURE Packer | CALCULATED 24-HOUR RATE → | OIL—BBL. 1972 | GAS—MCF. 1972 | WATER—BBL. 1972 |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Will be sold when hookup available | | | | | TEST WITNESSED BY Curtis Priddy |
| 35. LIST OF ATTACHMENTS Drill Stem Tests, Deviation Survey & Logs | | | | | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | | | | |
| SIGNED <u>Kusty Kew</u> | | TITLE <u>Operations Technician</u> | | DATE <u>Jan. 13, 1998</u> | |

*(See Instructions and Spaces for Additional Data 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, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | |
|-----------|-----|--------|-----------------------------|-------------|-------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | | | San Andres | 439' | |
| | | | | Glorieta | 1940' | |
| | | | | Bone Spring | 2938' | |
| | | | | Wolfcamp | 5828' | |
| | | | | Cisco | 7225' | |
| | | | | Canyon | 7385' | |
| | | | | Strawn | 8320' | |
| | | | | Atoka | 9220' | |
| | | | | Morrow | 9680' | |

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

| | | | | | | |
|------------------------------|--|--|--|-----------------------------------|-------------------------|--|
| 1 API Number 30-015-29734 | | 2 Pool Code | | 3 Pool Name Undesignated Cisco | | |
| 4 Property Code 21717 | | 5 Property Name Big Freddy Unit | | | 6 Well Number 1 | |
| 7 OGRID No. 025575 | | 8 Operator Name Yates Petroleum Corporation | | | 9 Elevation 4479' GR | |

10 Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| G | 10 | 23S | 22E | | 1980 | North | 1980 | East | Eddy |

11 Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| | | | | | | | | | |

| | | | |
|---------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres 320 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|---------------------------|--------------------|-----------------------|--------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | | | |
|----|--|--|--|--|
| 16 | | | | |
| | | | | |
| | | | | |
| | | | | |

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Rusty Klein
Signature
Rusty Klein
Printed Name
Operations Technician
Title
January 13, 1998
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat 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 belief.

REFER TO ORIGINAL PLAT

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

YATES PETROLEUM CORPORATION
Big Freddy Unit #1
Section 10-T23S-R22E
Eddy County, New Mexico

#32: ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.:

| <u>DEPTH INTERVAL</u> | <u>TREATMENT</u> |
|-----------------------|--|
| 9725-9807' | Acidized with 2500 gallons 7-1/2% HCL acid with 1000 scf/bbl N2 and ball sealers |
| 9125-9179' | Acidized with 2000 gallons 15% iron control HCL acid and ball sealers. Re-acidized with 15000 gallons 15% gelled acid. |
| 8671-8677' | Frac'd with 22722 gallons 35# zirconate crosslink CMHPG, 35-45# CO2, 17500 gallons 2% KCL, 5287 gallons methanol, 69 tons CO2 and 39000# 20-40 Opti-prop |
| 7535-7543' | Acidized with 1000 gallons 15% iron control HCL acid and ball sealers |
| 7368-7384' | Acidized with 2000 gallons 15% iron control HCL acid and ball sealers |





YATES PETROLEUM CORPORATION
Big Freddy Unit #1
Section 10-T23S-R22E
Eddy County, New Mexico

RESULTS OF DRILL STEM TESTS:

DST #1 7322-7391' (Wolfcamp): TIMES: TO 20"; SI 60"; TO 90"; SI 180". RECOVERY: 561' of rathole mud with trace of condensate. SAMPLER: 1.78 cfg and 300 cc mud. PRESSURES: IHP 3544; IFP 146-214; ISIP 2178; 2nd FP 217-298; 2nd SIP 3117; FHP 3545

DST #2 7775-7840' (Canyon): TIMES: TO 20"; SI 60"; TO 60"; SI 120"; TO 60". RECOVERY: 110' of rathole mud and 697' of water. SAMPLER: 2600 cc water. PRESSURES: IHP 3787; IFP 39-152; ISIP 1830; 2nd FP 160-395; 2nd SIP 1809; 3rd FP 398-474; FHP 3795

DST #3 8660-8700' (Strawn): TIMES: TO 20"; SI 60"; TO 90"; SI 180". RECOVERY: 182' of rathole mud. SAMPLER: 0.93 cfg and 50 cc mud. PRESSURES: IHP 4292; IFP 67-100; ISIP 1505; FFP 60-110; FSIP 2196; FHP 4282

DST #4 9932-10009' (Morrow): TIMES: TO 20"; SI 60"; TO 60"; SI 120"; TO 60". RECOVERY: 180' of mud and 1129' of water. SAMPLER: 2600 cc water. PRESSURES: IHP 5092; IFP 182-324; ISIP 3700; 2nd FP 396-492; FSIP 3699; FFP 521-606; FHP 5100