Form 3160-4 (September 2001)

Oil Cons.
N.M. DIV-Dist. 2

UNITED STATES OF THE INTERIOR W. Grand Avenue

DEPARTMENT OF THE INTERIOR NIM 88210

FORM APPROVED OMB NO. 1004-0137

| | | | BUR | EAU OF | LAND MA | NAGE | NESI | a, | NM 8 | 82 I | U | | Expires: J | anuary | 31, 2004 |
|---|---------------------------------------|---------------|-----------------|---------------|--|--|-------------------|--------------------------|------------------------------------|--|--------------------------------|---------------------------------------|-------------------|--------------|-----------------|
| | WELL | . COMP | LETION | OR RI | COMPL | ETION | REP | DRT | AND L | <u>og</u> | | 5. Lease | Serial No. | | |
| 1a. Type of Well | Oil W | /ell | X Gas We | | Dry [| Other | | | - | | | 7 | NÍV | l-172 | 14 |
| | | New Well | | | | = | | | l ====== | | | | | | |
| b. Type of Complet | Other | • | Work Ov | er | Deepen | Plug Bac | ĸ | Ш | Diff. Res | svr., | | 6. If Indi | an, Allottee | or Tribe | Name |
| 2. Name of Oper | ator | | | | | | | | | ····· | | 7. Unit o | r CA Agreer | nent Na | ame and No. |
| Yates Petro | leum Corp | oration | | | | | | | | | | | - | | |
| 3. Address | · · · · · · · · · · · · · · · · · · · | | • | 3a. | Phone No. (| include are | a code) | 1,53 | 77 0 5 7c | 77 | | 8. Lease | Name and | Well N | - O. |
| 105 S. 4th S | Str., Artesia | , NM 88 | 210 | | 05-748-1 | | 109 | | | 772 | \ | | | | ral Com #2 |
| 4. Location of We | | | | dance wi | th Federal re | quirements |), | j | T | | 15 | 9. API V | | | |
| At Surface 1980'FSL & 1650'FEL (Unit J, NWSE) | | | | | | | | | | 30-0 | 05-63 | 3452 | | | |
| At Surface 1980'FSL & 1650'FEL (Unit J, NWSE) | | | | | | | | | 10. Field and Pool, or Exploratory | | | | | | |
| At Surface 1980'FSL & 1650'FEL (Unit J, NWSE) At top prod. Interval reported below Same as above | | | | | | | | | | | | toka Morrow | | | |
| At top prod. Interval reported below Same as above | | | | | | | | | | and | | | | | |
| | | | | | | /, | 197 | UCI | , | | ~~ / •~ · | 1 - | • | 3-T1 | 4S-R27E |
| At total depth | Same as | s above | | | | · | 153 | | | A6 | | 12. County or Parish 13. State | | | |
| | | | | | | | 1,50 | , ح و | 20277 | 2026 | | Ch | Chaves New Mexico | | |
| 14. Date Spudde | ed | | 15. Date T.D | Reache | , , | 16. Date Co | mpleted | | 0000 | 11/03 | | 17 Flev | ations (DF F | KB RT | GD* |
| RH 4/11/0 | | 15/03 | | 5/7/03 |] | 16. Date Completed D & A X Ready to Prod. | | | | | 17. Elevations (DF;RKB,RT,GL)* | | | | |
| | | | | | | | | | _ | | | 3503'GR 3520'KB | | | |
| 18. Total Depth: | | 8350' | | 19. Plu | g Back T.D.: | MD | 8310 | 20. | Depth Bridg | ge Plug | Set: | MD | NA | | |
| | TVD | NA | | | | TVD | NA | | | | | TVD | <u>NA</u> | | |
| 21. Type Electric & | Other Mechanic | ailors Run | (Submit conv.o | f each) | 1 | 22 Was W | ell corec | 12 | X No | | res (| Submit an | alveie) | | |
| 21. Type Liectiic G | Outer Medianic | ai Logo Rail | (Odbinic copy o | i cacii, | | Was DS | | | X No | | • | Submit re | | | |
| CNL, Azim | nuthal Latero | log, Borel | nole Compe | ensated | Sonic | | | | _ | | • | | | | |
| | | | | | | Direction | al Survey | /? L | X No | ١ ــــــــــــــــــــــــــــــــــــ | es (| Submit co | py) | | |
| 23. Casing and L | iner Record (F | Report all st | trings set in w | /ell) | | | | | | | | | | | |
| | | | | | | | Cemen | ter | No. of Sk | | | ry Vol. | | | |
| Hole Size | Size/Grade | Wt.(#/fi | | | Bottm(MD) | | Depth | | Type of Ce | | (E | BL) | Cement | | Amount Pulled |
| 17 1/2" | 20" | 40# | Su | | 40' | | | | Conduc | | | | Sur | | |
| 17-1/2" 12-1/4" | 13-3/8" 9-5/8" | 48# 36# | | | 420' | _ | 400 sx 1025 sx | | | Surf Surf | | | | | |
| 8-3/4" | 5-1/2" | 15.5#, | | | 2965' 8350' | | | | 1700 | | ···· | | 1320 | | · . |
| 24. Tubing Reco | | 13.577, | 17# Su | <u>'' 1</u> | 6550 | | | | 1700 : | 5X | | | 1320 | | |
| Size | Depth Se | t (MD) | Packer Der | oth (MD) | Size | Depth S | et (MD) | D ₂ | cker Depth | (MAD) | Size | Donth | Set (MD) | Boo | ker Depth (MD) |
| 2-7/8" | 795 | | 795 | | Oize | Departs | JEL (IVID) | 1 2 | cker Depui | (IVID) | Size | Deptil | Set (WID) | Fac | Kei Deptii (MD) |
| 25 . Producing Ir | <u> </u> | - | | · | · | | | 26. | Perforation | Record | | 1 | | | |
| | ormation | | Top |) | Bottom | | | Perforated Interval Size | | | No. | Holes | | Perf. Status | |
| A) Morrow | | | 804 | 4' | 8200' | | | 8176'-8200' | | | 96 | | | Open | |
| B) | | | | | | | | 8044'-8068' | | | | 144 | | | Open |
| C) | | | | | | | | | | | | | | | |
| D) | | | | | | | | | | | | | | | |
| 27. Acid, Fractur | e, Treatment, | Cement Sq | ueeze, Etc. | | | | | | | | | | | | |
| Depth Interval Amount and Type of Material | | | | | | | | | | | | | | | |
| 8176'-8200' Acidize w/2400g 7-1/2% Morro | | | | | | | | | | | | | | | |
| | | | | | # 70Q foam frac w/687 bbls and 75,000# 18/40 Versaprop | | | | | | | | | | |
| | | | Total N2 | 793,48 | 2 lotal | CO2 160 | tons | | | | | | | | |
| 28. Production - | Interval A | | | | | | | | | | | | | | |
| Date First | Test | Hours | ; T | est | Oil | Gas | Water | 7 | Oil Gravity | Gas | s Pr | oduction N | /lethod | | |
| Produced | Date | Tested | | duction | BBL | MCF | BBL | | Corr. API | Grav | - 1 | | | | |
| 7/14/03 | 8/16/03 | 24 | (| ⇒ | 0 | 1185 | 0 | | NA | N/ | . 1 | | Flov | ving | |
| Choke | Tbg. Press. | Csg. | 24 | 4 Hr. | Oil | Gas | Water | <u> </u> | Gas: Oil | Well S | tatus | · · · · · · · · · · · · · · · · · · · | | | |
| Size | Fiwg. | Press | | Rate | BBL | MCF | BBL | | Ratio | | | | | | |
| NA | 190 psi | Packe | er C | ⇒ | 0 | 1185 | 0 | | NA | | Tana | F | roducing | g | |
| 28a. Production-Interval B | | | | | | | | RECORD | | | | | | | |
| Date First Test Hours Test | | | | Oil | Gas | Water | 1 | Gravity | Gas | Pr | oduction N | | | | |
| Produced | Date | Tested | | duction ⇒ | BBL | MCF | BBL | Cor | r. API | Gravity | / | | | | 1 |
| Chair | The Desert | | | | 0:1 | | 1144-4 | | . 01 | 100 00 0 | 11 | + s | EP | 20 | 03 |
| Choke Size | Tbg. Press. Flwg. | Csg. Press | | 4 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas | s: Oil io | Well S | tatus | | 1-1 | | |
| 0126 | · '**g. | 1 1633 | | tale ⇒ | 1500 | IVICE | POOL | rtal | Ю | | 1 | | 40 | | |
| | L | <u> </u> | | · | l | | L | L | | L | 1 | PETD | ANDO A | كثت | PEZ |
| | | | | | | | | | | | 1 | i city | JUCUM! | ⊏NG | INEE R |

| - Interval C | | | | | | | | | |
|------------------------------|---|--|---|--|--|---|------------|---|--|
| Test | Hours | Test | Oil | Gas | Water | Oil Gravity | Gas | Production Method . | |
| Date | Tested | Production | BBL | MCF | BBL. | Corr. API | Gravity | | |
| Tbg. Press. | Csg. | 24 Hr. | Oil | Gas | Water | Gas: Oil | Well Statu | s | |
| Flwg. | Press. | Rate | BBL | MCF | BBL | Ratio | | | |
| 28c. Production - Interval D | | | | | | | | | |
| Test | Hours | Test | Oil | Gas | Water | Oil Gravity | Gas | Production Method | |
| Date | Tested | Production | BBL. | MCF | BBL | Corr. API | Gravity | | |
| Tbg. Press. | Csg. | 24 Hr. | Oil | Gas | Water | Gas: Oil | Well Statu | is . | |
| Flwg. | Press. | Rate | BBL | MCF | B8L | Ratio | | | |
| | Test Date Tbg. Press. Flwg. Interval D Test Date Tbg. Press. Flwg. | Test Hours Date Tested Tbg. Press. Csg. Flwg. Press. - Interval D Test Hours Date Tested Tbg. Press. Csg. Flwg. Press. | Test Date Tested Tested Tested Production Tog. Press. Flwg. Press. Press. Press. Test Rate Production Rate Production Test Production Test Production Production Rate Production Rate Rate Rate Rate Production Rate Rate | Test Date Tested Tested Tested Production BBL Tog. Press. Flwg. Press. Press. Press. Rate BBL Production BBL Ch Date Production BBL Ch Date Dil BBL Ch Dil BBL | Test Date Tested Tested Tested Tested Production BBL MCF MCF Tbg. Press. Flwg. Press. Rate BBL MCF BBL MCF Gas MCF ACC ACC BBL MCF BBL MCF BBL MCF CD Test Date Test Date Tested Production Production BBL MCF ACC BBL MCF | Test Hours Production BBL MCF BBL Tbg. Press. Csg. Press. Rate BBL MCF BBL Interval D Test Hours Production BBL MCF BBL Test Hours Production BBL MCF BBL Test Hours Production BBL MCF BBL Test Date Tested Production BBL MCF BBL Tbg. Press. Csg. 24 Hr. Oil Gas Water BBL Tbg. Press. Csg. 24 Hr. Oil Gas Water BBL Tbg. Press. Rate BBL MCF BBL | Test Date | Test Date Tested Production Date Test Production Date Tested Production Date Date Tested Production Date Date Date Date Date Date Date Date | |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

31. Formation (Log) Markers

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.

| E | T | Datta | Description Contacts at | None | Тор | |
|-----------|-----|--------|-----------------------------|--------------|------------|--|
| Formation | Тор | Bottom | Description, Contents, etc. | Name | Meas Depth | |
| | | | | Yates | 660' | |
| | | | | Seven Rivers | 798' | |
| | | | | Queen | 826' | |
| | | | | Grayburg | 944' | |
| | | ļ | | Glorieta | 2833' | |
| | | 1 | | Tubb | 4227' | |
| | | | | Abo | 5024' | |
| | | | | Wolfcamp | 6120' | |
| | | | | Cisco | 6917' | |
| | | | | Lower Canyon | 7382' | |
| , | | | | Strawn | 7528' | |
| | | | | Atoka | 7654' | |
| | | | | Morrow | 7886' | |
| | | | | Chester | 8200' | |
| | | | | | | |
| | | | | | 1 | |

32. Additional remarks (include plugging procedure):

| | achments: nical Logs (1 full set req'd.) plugging and cement verification | Geologic Report Core Analysis | 3. DST Report 7. Other Deviat | 4. Dire | ctional Survey vey |
|---------------------------|---|-----------------------------------|--------------------------------|----------|----------------------------------|
| 34. I hereby certify that | t the foregoing and attached information | n is complete and correct as o | determined from all availa | ble reco | rds (see attached instructions)* |
| Name(please print) | Tina Huerta | | | Title | Regulatory Compliance Supervisor |
| Signature | Jine Huerta | <u>م</u> | | Date | August 25, 2003 |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

OPERATOR:

YATES PETROLEUM CORP.

WELL/LEASE:

PHILLIPS KH FED. COM. 2

COUNTY:

CHAVES

STATE OF NEW MEXICO DEVIATION REPORT

| 193 | 1/4 |
|-------|-------|
| 406 | 1/2 |
| 887 | 1/2 |
| 1,416 | 1/2 |
| 1,916 | 1/2 |
| 2,389 | 1/4 |
| 2,833 | 1/4 |
| 2,965 | 1/2 |
| 3,459 | 1 |
| 4,000 | 1 |
| 4,472 | 1/4 |
| 4,943 | 1/4 |
| 5,476 | 1 1/2 |
| 5,975 | 1 1/2 |
| 6,444 | 1 |
| 6,942 | 1 |
| 7,385 | 1 1/4 |
| 7,826 | 1 |
| 8,350 | 1 |

By: Twe Macce

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 14th day of May, 2003, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

My Commission Expires: 4/08/2007

Notary Public for Midland County, Texas

JONI D. HODGES
NOTARY PUBLIC
STATE OF TEXAS

049-0016