



8-5-93

# FC STATE COM # 4

## SAN JUAN OU

### CURRENT COMPLETION

**SURFACE CASING**  
9 5/8", J-55, 36.0#, @ 233'  
150 SACKS CEMENT  
TOC: CIRC.

KB: 6515'  
GLE: 6503'

TUBING  
4 1/2" @ 2883'

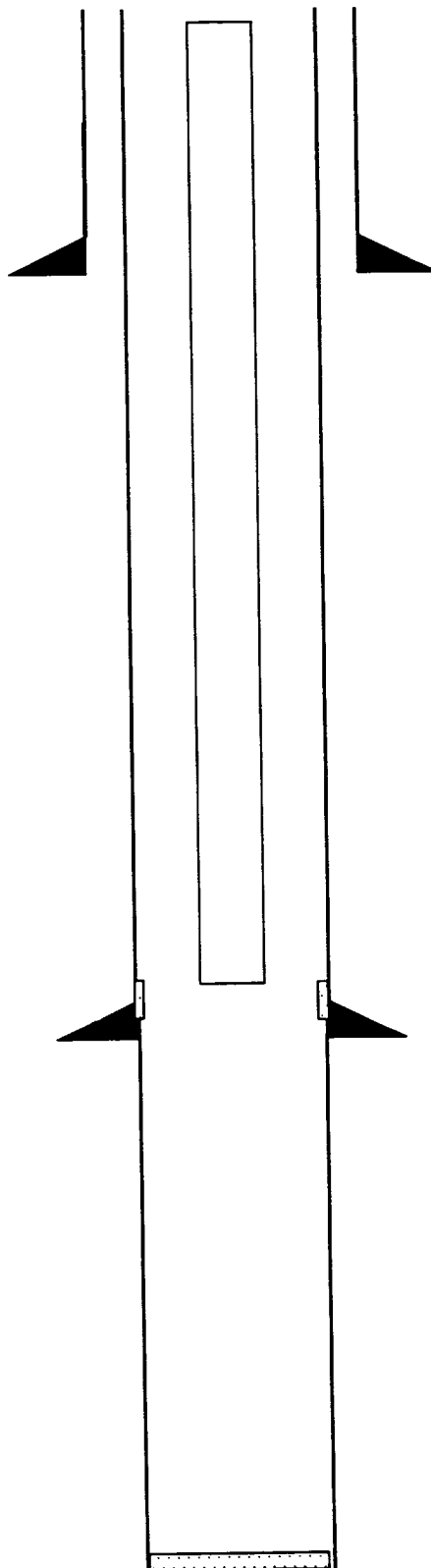
**PRODUCTION CASING**  
7", N-80, 23.0# @ 3040'  
500 SACKS CEMENT  
TOC: CIRC

**OPEN HOLE**  
**FRUITLAND COAL**  
3070'- 3330'  
(LINER PERFS)

**PERFORATED LINER**  
5 1/2", S-95/N-80, 23.0#  
FROM 2977-3338'  
SACKS CEMENT N/A

PBTD: 3339'

TD: 3339'



DISTRICT I  
P.O. Box 1900, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-045-27478                                                                        |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>R-11240-75                                                          |
| 7. Lease Name or Unit Agreement Name<br>FC STATE COM                                                |
| 8. Well No.<br>4                                                                                    |
| 9. Pool name or Wildcat<br>BASIN FRUITLAND COAL                                                     |

|                                                                                                                                                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)               |  |
| 1. Type of Well:<br>OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                                                                                                     |  |
| 2. Name of Operator<br>CONOCO INC.                                                                                                                                                                                          |  |
| 3. Address of Operator<br>10 Desta Drive STE 100W, Midland, TX 79705                                                                                                                                                        |  |
| 4. Well Location<br>Unit Letter <u>H</u> : <u>1340</u> Feet From The <u>NORTH</u> Line and <u>800</u> Feet From The <u>EAST</u> Line<br>Section <u>36</u> Township <u>31 N</u> Range <u>9 W</u> NMEP <u>SAN JUAN</u> County |  |
| 10. Elevation (Show whether D.F., R.R., RT., CR., etc.)<br><u>GR 6503'</u>                                                                                                                                                  |  |

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO:                        |                                           | SUBSEQUENT REPORT OF:                                   |                                               |
|------------------------------------------------|-------------------------------------------|---------------------------------------------------------|-----------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                  | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/>        | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  |                                           | CASING TEST AND CEMENT JOB <input type="checkbox"/>     |                                               |
| OTHER: <input type="checkbox"/>                |                                           | OTHER: REPLACE TBG. <input checked="" type="checkbox"/> |                                               |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-7-92 MIRU. POOH W/ 2 7/8" TBG. GIH W/ 4 1/2" J-55 10.5# 8 RD CSG TO BE USED AS PRODUCTION TUBING. SET AT 2840'.  
10-9-92 RDMO. RETURN WELL TO PRODUCTION

**RECEIVED**  
MAR 29 1993  
OIL CON. DIV.  
DIST. 3

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

SIGNATURE Bill R. Keathly TITLE SR REGULATORY SPEC. DATE 3-23-93  
TYPE OR PRINT NAME BILL R. KEATHLY TELEPHONE NO. 915-686-5424

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT #3 DATE MAR 29 1993  
CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate  
District Office  
State Leases - 6 copies  
Fee Leases - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-105  
Revised 1-1-89

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
MAY 08 1991

OIL CON. DIV.  
DIST. 3

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-045-27478                                                                        |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>B-11240-75                                                          |
| 7. Lease Name or Unit Agreement Name<br>FRUITLAND COAL                                              |
| 8. Well No.<br>741                                                                                  |
| 9. Pool name or Wildcat<br>BASIN FRUITLAND COAL                                                     |
| 20. Was Directional Survey Made<br>NO                                                               |
| 22. Was Well Cored<br>NO                                                                            |

|                                                                                                                                                                                                                                                |                                  |                                             |                                                     |                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|-----------------------------------------------------|---------------------------------------|
| 1a. Type of Well:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>                                                                                |                                  |                                             |                                                     |                                       |
| b. Type of Completion:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DRY RESVR <input type="checkbox"/> OTHER <input type="checkbox"/> |                                  |                                             |                                                     |                                       |
| 2. Name of Operator<br>MESA OPERATING LIMITED PARTNERSHIP                                                                                                                                                                                      |                                  |                                             |                                                     |                                       |
| 3. Address of Operator<br>P.O. BOX 2009 AMARILLO, TX 79189                                                                                                                                                                                     |                                  |                                             |                                                     |                                       |
| 4. Well Location<br>Unit Letter H : 1340 Feet From The NORTH Line and 800 Feet From The EAST Line<br>Section 36 Township 31N Range 9W NMPM SAN JUAN County                                                                                     |                                  |                                             |                                                     |                                       |
| 10. Date Spudded<br>7/24/90                                                                                                                                                                                                                    | 11. Date T.D. Reached<br>7/26/90 | 12. Date Compl. (Ready to Prod.)<br>4/21/91 | 13. Elevations (DF & RKB, RT, GR, etc.)<br>6500' GR | 14. Elev. Casinghead<br>-             |
| 15. Total Depth<br>3339'                                                                                                                                                                                                                       | 16. Plug Back T.D.<br>-          | 17. If Multiple Compl. How Many Zones?<br>- | 18. Intervals Drilled By<br>Rotary Tools X          | Cable Tools                           |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>FRUITLAND COAL 3040' - 3339'                                                                                                                                              |                                  |                                             |                                                     | 20. Was Directional Survey Made<br>NO |
| 21. Type Electric and Other Logs Run<br>NA                                                                                                                                                                                                     |                                  |                                             |                                                     | 22. Was Well Cored<br>NO              |

23. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD |
|-------------|---------------|-----------|-----------|------------------|
| 9 5/8"      | 36#           | 233'      | 12 1/4"   | 150 SX CLASS B   |
| 7"          | 23#           | 3040'     | 8 3/4"    | 400 SX CLASS B   |
| 2 7/8"      | 6.5#          | 3160'     |           | + 110            |

Changed to  
500 SX "B"  
per Dorothy  
Jacquez NMOCB  
5-8-91

| 24. LINER RECORD |       |        |              |        | 25. TUBING RECORD |       |
|------------------|-------|--------|--------------|--------|-------------------|-------|
| SIZE             | TOP   | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH |
| 5 1/2"           | 2977' | 3336'  |              |        | 2 7/8"            | 316'  |

|                                                           |                                  |                               |
|-----------------------------------------------------------|----------------------------------|-------------------------------|
| 26. Perforation record (interval, size, and number)<br>NA | 27. ACID, SHOT, FRACTURE, CEMENT |                               |
|                                                           | DEPTH INTERVAL                   | AMOUNT AND KIND MATERIAL USED |
|                                                           | NA                               |                               |
|                                                           |                                  |                               |

28. PRODUCTION

|                                  |                        |                                                                             |                        |                   |                     |                                      |                      |
|----------------------------------|------------------------|-----------------------------------------------------------------------------|------------------------|-------------------|---------------------|--------------------------------------|----------------------|
| Date First Production<br>4/17/91 |                        | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>FLWG |                        |                   |                     | Well Status (Prod. or Shut-in)<br>SI |                      |
| Date of Test<br>4/21/91          | Hours Tested<br>24     | Choke Size<br>OPEN                                                          | Prod'n For Test Period | Oil - Bbl.<br>-   | Gas - MCF<br>2535   | Water - Bbl.<br>462                  | Gas - Oil Ratio<br>- |
| Flow Tubing Press.<br>600        | Casing Pressure<br>849 | Calculated 24-Hour Rate                                                     | Oil - Bbl.<br>-        | Gas - MCF<br>2535 | Water - Bbl.<br>462 | Oil Gravity - API - (Corr.)<br>-     |                      |

|                                                                      |                                |
|----------------------------------------------------------------------|--------------------------------|
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>VENTED | Test Witnessed By<br>R. BISHOP |
|----------------------------------------------------------------------|--------------------------------|

|                                                                 |
|-----------------------------------------------------------------|
| 30. List Attachments<br>DEVIATION SURVEY - OPEN HOLE COMPLETION |
|-----------------------------------------------------------------|

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature *Deana R. Rea*

Printed Name DEANA R. REA Title ADMINISTRATIVE CLERK 5-2-91

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-045-27478

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
B 11240-75

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL ☐ GAS WELL ☒ OTHER

2. Name of Operator  
MESA OPERATING LIMITED PARTNERSHIP

3. Address of Operator  
P.O. BOX 2009, AMARILLO, TEXAS 79189

7. Lease Name or Unit Agreement Name

FC STATE COM

8. Well No. # 4

9. Pool name or Wildcat  
Basin Fruitland Coal

4. Well Location  
Unit Letter H : 1340 Feet From The north Line and 800 Feet From The east Line

Section 36 Township 31N Range 9W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
6503' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: TD NOTICE/PROD CSG ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The above referenced well TD'd @ 3040' on 7/27/90. RU and ran 7" 23# N-80 LT&C casing, set @ 3040'; cemented with 400 sx 65% "B"/35% Poz; tailed in with 100 sx Class "B"; circulated cement to surface; WOCU. Will test casing when RU to complete.

RECEIVED  
AUG 3 1990  
OIL CON. DIV.  
DIST. 3

xc: NMOCDA (0+6), WF, Reg, Land, Expl., Drlg.

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

SIGNATURE Carolyn L. McKee TITLE Sr. Regulatory Analyst

DATE 7/31/90  
(806) 378-1000  
TELEPHONE NO.

TYPE OR PRINT NAME Carolyn L. McKee

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH

DEPUTY OIL & GAS INSPECTOR, DIST. 43

DATE AUG 03 1990

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-045-27478                                                                        |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>B 11240-75                                                          |
| 7. Lease Name or Unit Agreement Name<br>FC STATE COM                                                |
| 8. Well No.<br># 4                                                                                  |
| 9. Pool name or Wildcat<br>Basin Fruitland Coal                                                     |

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| 1. Type of Well:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> |
| 2. Name of Operator<br>MESA OPERATING LIMITED PARTNERSHIP                                                                         |
| 3. Address of Operator<br>P.O. BOX 2009, AMARILLO, TEXAS 79189                                                                    |

|                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. Well Location<br>Unit Letter <u>H</u> : <u>1340</u> Feet From The <u>north</u> Line and <u>800</u> Feet From The <u>east</u> Line<br>Section <u>36</u> Township <u>31N</u> Range <u>9W</u> NMPM San Juan County |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                       |
|-----------------------------------------------------------------------|
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.)<br><u>6503' GR</u> |
|-----------------------------------------------------------------------|

|                                                                               |                                                         |
|-------------------------------------------------------------------------------|---------------------------------------------------------|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data |                                                         |
| <b>NOTICE OF INTENTION TO:</b>                                                | <b>SUBSEQUENT REPORT OF:</b>                            |
| PERFORM REMEDIAL WORK <input type="checkbox"/>                                | REMEDIAL WORK <input type="checkbox"/>                  |
| TEMPORARILY ABANDON <input type="checkbox"/>                                  | ALTERING CASING <input type="checkbox"/>                |
| PULL OR ALTER CASING <input type="checkbox"/>                                 | COMMENCE DRILLING OPNS. <input type="checkbox"/>        |
| OTHER: <input type="checkbox"/>                                               | PLUG AND ABANDONMENT <input type="checkbox"/>           |
|                                                                               | CASING TEST AND CEMENT JOB <input type="checkbox"/>     |
|                                                                               | OTHER: SPUD NOTICE/SURF CASING <input type="checkbox"/> |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The above referenced well spud @ 1215 hrs 7/24/90 by Four Corners Rig # 6; drilled to 292'; RU and ran 9 5/8" 36# J-55 ST&C casing, set @ 233'; cemented with 150 sx Class "B"; circulated cement to surface; pressure tested casing to 1500 psi; drilling ahead.

RECEIVED  
JUL 30 1990  
OIL CON. DIV.  
DIST. 3

xc: BLM-A (0+6), WF, Reg, Land, Expl., Drilling

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

|                                            |                                     |                                     |
|--------------------------------------------|-------------------------------------|-------------------------------------|
| SIGNATURE <u>Carolyn L. McKee</u>          | TITLE <u>Sr. Regulatory Analyst</u> | DATE <u>7/26/90</u>                 |
| TYPE OR PRINT NAME <u>Carolyn L. McKee</u> |                                     | TELEPHONE NO. <u>(806) 378-1000</u> |

(This space for State Use)

Original Signed by FRANK T. CHAVEZ

APPROVED BY \_\_\_\_\_ TITLE SUPERVISOR DISTRICT 3 DATE JUL 30 1990

CONDITIONS OF APPROVAL, IF ANY:

3-22-91

WELL RECORD  
FOR  
MESA OPERATED

WELL NAME: FC STATE COM #4

OPERATOR: MESA IBM ID NUMBER: \_\_\_\_\_

AFE NUMBER: D90091 OP NUMBER: N/A

LOCATION: 1340' FNL & 800' FEL, SECTION 36-T31N-R9W, SAN JUAN CO., NEW MEXICO

TYPE WELL: DEV. X EXPL \_\_\_\_\_ PROSPECT: ARCHULETA

ELEVATION: GL \_\_\_\_\_ DF \_\_\_\_\_ KB \_\_\_\_\_

TD: \_\_\_\_\_ PBTD: \_\_\_\_\_ DATE TD REACHED: \_\_\_\_\_

SPUD DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RIG RELEASE: \_\_\_\_\_ TIME: \_\_\_\_\_

COMPLETION UNIT MOVED ON - DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

COMPLETION UNIT RELEASED - DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

CURRENT WELL STATUS: PRODUCING: OIL \_\_\_\_\_ GAS \_\_\_\_\_ DUAL \_\_\_\_\_

PRODUCING FORMATION (S): \_\_\_\_\_

PRODUCING DEPTHS: \_\_\_\_\_

TA: \_\_\_\_\_ DATE P&A'D: \_\_\_\_\_

WI OWNERS & %: MESA OPERATING LIMITED PARTNERSHIP 75.00%

XC: RESERVOIR, ACTG., CEN. RCDS., OPNS. WF, GAS CONT., DRILLING, EXPLORATION MGR., D&M  
(EXPLORATION), LAND MGR., PURCHASING, PRODUCTION FOREMAN

FC STATE COM #4  
WELL RECORD  
PAGE 2

07/08/90

PO: Prep to build location

MI equip to build location.

DWC \$410 CWC \$410

07/09/90

PO: Bldg location

Started bldg location - 5% complete. Work interrupted by rain.

DWC \$520 CWC \$930

07/10/90

PO: Bldg location

Cont'd bldg location - approx 40% complete. SD due to weather.

DWC \$1,175 CWC \$2,105

07/11/90

PO: Bldg location

Cont'd bldg location - approx 60% complete.

DWC \$1,320 CWC \$3,425

07/12/90

PO: Bldg location

Cont'd bldg location - approx 75% complete.

DWC \$1,805 CWC \$5,230

07/13/90

PO: TEMP DROP FROM REPORT

Moved equip to State Com #3.

DWC \$5,575 CWC \$10,805

07/15/90

PO: Bldg location

Cont'd bldg location - 80% complete.

DWC \$2,315 CWC \$13,120

07/16/90

PO: Bldg location

Cont'd bldg location - 85% complete.

DWC \$2,190 CWC \$15,310



FC STATE COM #4  
WELL RECORD  
PAGE 3

07/17/90

PO: Bldg location

Cont'd bldg location - 90% complete.

DWC \$2,510 CWC \$17,820

07/18/90

PO: Bldg location

Cont'd bldg location - 92% complete.

DWC \$2,520 CWC \$20,340

07/19/90

PO: Bldg location

Cont'd bldg location - 95% complete.

DWC \$2,510 CWC \$22,860

07/20/90

PO: TEMP DROP FROM REPORT

Location 100% complete.

DWC \$2,775 CWC \$25,635

07/21/90

PO: WORT/TEMP DROP FROM REPORT

Installed cellar, fence 3 sides, reserve pit.

DWC \$2,215 CWC \$27,850

07/25/90 (1 day) 292' (292'), MW 8.3, Vis 27, Chl 350

PO: Drlg

1° @ 94', 1/2° @ 213'

|           |         |                                                                                                                              |               |
|-----------|---------|------------------------------------------------------------------------------------------------------------------------------|---------------|
| 0600-1115 | (5-1/4) | MIRU Four Corners Rig #6                                                                                                     |               |
| 1115-1215 | (1)     | Drlg rat & mouse hole                                                                                                        |               |
| 1215-1645 | (4-1/2) | Drlg surface to 243'. Spudded @ 1215 hrs. Bit #1, 12-1/4", OSC-5, jets 12-12-8, in @ 3', out @ 243', made 240' in 4-1/2 hrs. |               |
| 1645-1700 | (1/4)   | Circ                                                                                                                         |               |
| 1700-1715 | (1/4)   | Survey. TOH.                                                                                                                 |               |
| 1715-1815 | (1)     | RU & ran 9-5/8" csg as follows:                                                                                              |               |
|           |         | 1 Weatherford GS (welded)                                                                                                    | 1.20          |
|           |         | 1 jt 9-5/8" 36# J55 ST&C csg (welded)                                                                                        | 43.38         |
|           |         | 1 Weatherford IF                                                                                                             |               |
|           |         | 4 jts 9-5/8" 36# J55 ST&C csg                                                                                                | <u>174.89</u> |
|           |         |                                                                                                                              | 219.47        |
|           |         | RKB 2' BGL                                                                                                                   | <u>14.00</u>  |
|           |         | Csg set @                                                                                                                    | 233.47        |
|           |         | 4 centralizers                                                                                                               |               |

FC STATE COM #4  
WELL RECORD  
PAGE 4

1815-1900 (3/4) RU Western. Held safety meeting. Cmt'd 9-5/8" csg 10 bbls wtr ahead, 150 sx Class "B" + 2% CaCl + 1/4#/sk Celloseal @ 4 BPM (15.6 ppg, yield 1.18), 100% excess. Displaced w/15 bbls fresh wtr @ 3 BPM. Final circ press 200 psig. Bumped plug w/100 psig over. Circ 10-1/2 bbls cmt to surface. Float held. Plug down @ 1900 hrs.

1900-0300 (8) WOC. Installed Barton 9-5/8" x 11" x 3000# head. NU BOP & press tested to 1500 psig.

0300-0515 (2-1/4) Drlg plug & cmt

0515-0600 (3/4) Drlg, bit #2, 8-3/4" Cummins CR2C, jets 12-12-8, in @ 243', out @ 292', made 49' in 1/2 hr

DWC \$21,420 CWC \$49,270

07/26/90 (2 days) 2114' (1871'), MW 8.3, Vis 27, Chl 350

PO: Trip for bit

1° @ 485', 1-1/2° @ 730', 1° @ 978', 1-3/4° @ 1224', 1-3/4° @ 1473', 1° @ 1732', 1° @ 2004'

0600-0500 (23) Drlg, RS, surveys

0500-0600 (1) TOH for bit

DWC \$22,096 CWC \$70,751

07/27/90 (3 days) 3040' (926'), MW 8.4, Vis 27, Chl 350

PO: Circ

1° @ 2004', 3/4° @ 2513'

300-0745 (1-3/4) Trip for bit. SLM 2112.52'. Pipe tally 2112'.

0745-0815 (1/2) Washed & reamed to btm

0815-0515 (21) Drlg to TD @ 3040' w/bit #3, 8-3/4", Varel V527, jets 12-13-8, in @ 2112', out @ 3040', made 928' in 19-3/4 hrs

0515-0600 (3/4) Circ & short trip 10 stds

DWC \$11,389 CWC \$82,140

07/28/90 (4 days) 3040' TD

PO: TEMP DROP FROM REPORT/WO CU

1° @ 3006'

0600-0700 (1) Circ

0700-0900 (2) LD DP & DC.

0900-1130 (2-1/2) RU casers & ran 7" csg as follows:

|                                |                |
|--------------------------------|----------------|
| 1 Weatherford GS               | .95            |
| 1 jt 7" 23# N-80 LT&C csg (SB) | 41.42          |
| Weatherford FC                 | 1.60           |
| 5 jts 7" 23# N-80 LT&C (SB)    | 205.46         |
| 69 jts 7" 23# N-80 L&TC        | <u>2797.01</u> |
| Total                          | 3046.44        |
| Above RKB                      | <u>6.44</u>    |
| Csg set @                      | 3040.00        |

1130-1330 (2) RU Western. Held safety mtg. Pumped 30 bbls WMW-1 flush spacer ahead of cmt. Cmt'd w/400 sx 65% "B"/35% Poz/6% gel w/2% CaCl & 1/4#/sx Celloseal (12.3 ppg, yield 1.94). Tailed-in w/100 sx Class "B" w/0.8% CF-1 (15.8 ppg, yield 1.15). Displ w/118 BFW @ 5 BPM. Displ 1 bbl over. Did not bump plug. Plug dwn @ 1330 hrs. Float held. Reciprocated csg while cmt'g. Circ 18 bbls cmt to surf. Final circ press 400 psig. Cmt operations observed by Denny Foust of NMOCD.

1330-1530 (2) ND BOP. Set 7" csg slips. Released rig @ 1530 hrs. Temp drop from report. WO CU.

DWC \$81,765 CWC \$143,905

FC STATE COM #4  
WELL RECORD  
PAGE 5

07/28/90

Installed 10" 3M x 7-1/16" 3M "B" section w/2" 3M gate valve & 2" bull plug. Installed 7-1/16" 3M x 2" 3M adaptor, 2" 3M single master valve. Press tstd "B" section to 1500 psig for 15 mins - OK.

07/29/90

PO: TEMP DROP FROM REPORT/NO CU

Cleaned up location. Filled rat hole & mouse hole & cellar. Fenced 4th side of reserve pit. Temp drop from report.

CWC \$146,411 (CORRECTED)

Status 3/22/91  
Loccu. Plan to connect to HOGI (gas) dispose of water Amoco 30-5.  
No agreement as yet re: old time vet. RNU

SAN JUAN OPERATIONAL UNIT  
FC STATE COM #4; ESTIMATED TOC  
ASSUMES 25% CEMENT LOST TO FORMATION

VOLUME (CUBIC FEET) = NUMBER SACKS \* CUBIC FEET/S  
AREA (SQ. FT.) = PI((HOLE SIZE/2)\*\*2-(CASING SIZE/2)\*\*2)/144  
HEIGHT (FEET) = VOLUME (CU. FT.)/AREA (SQ. FT.) \* .75 (SLURRY EFFICIENCY)  
ESTIMATED TOC (FEET) = DEPTH (FEET) - HEIGHT (FEET)

I: SURFACE CASING:

SIZE: 9.625 "  
HOLE: 12.250 "  
GRADE: J-55  
WEIGHT: 36.00 #/FT  
DEPTH: 233 '  
TOC: CIRC '  
CEMENT: 150 SACKS  
1.18 CUFT/SX  
- SACKS  
- CUFT/SX

| VOLUME<br>CU. FT. | AREA<br>SQ. FT. | HEIGHT<br>FEET   |
|-------------------|-----------------|------------------|
| LEAD              | 0.313           | 424              |
| 177.0             |                 | EST. TOC<br>FEET |
| TAIL              |                 | (191)            |
| 0.0               |                 |                  |

IV: 2ND DV TOOL:

TOC: - '  
CEMENT: - SACKS  
- CUFT/SX  
- SACKS  
- CUFT/SX

| VOLUME<br>CU. FT. | AREA<br>SQ. FT. | HEIGHT<br>FEET | EST. TOC<br>FEET |
|-------------------|-----------------|----------------|------------------|
| LEAD              | 0.150           | 0              | 0                |
| 0.0               |                 |                |                  |
| TAIL              |                 |                |                  |
| 0.0               |                 |                |                  |

III: 1ST DV TOOL:

TOC: - '  
CEMENT: - SACKS  
- CUFT/SX  
- SACKS  
- CUFT/SX

| VOLUME<br>CU. FT. | AREA<br>SQ. FT. | HEIGHT<br>FEET | EST. TOC<br>FEET |
|-------------------|-----------------|----------------|------------------|
| LEAD              | 0.150           | 0              | 0                |
| 0.0               |                 |                |                  |
| TAIL              |                 |                |                  |
| 0.0               |                 |                |                  |

II: INTERMEDIATE OR PRODUCTION CASING:

SIZE: 7.000 "  
HOLE: 8.750 "  
GRADE: N-80  
WEIGHT: 23.00 #/FT  
DEPTH: 3,040 '  
TOC: CIRC '  
CEMENT: 400 SACKS  
1.94 CUFT/SX  
100 SACKS  
1.15 CUFT/SX

| VOLUME<br>CU. FT. | AREA<br>SQ. FT. | HEIGHT<br>FEET | EST. TOC<br>FEET |
|-------------------|-----------------|----------------|------------------|
| LEAD              | 0.150           | 4,443          | (1,403)          |
| 776.0             |                 |                |                  |
| TAIL              |                 |                |                  |
| 115.0             |                 |                |                  |

V: PROD.  
LINER:

SIZE: 5.500 "  
HOLE: 6.250 "  
GRADE: N-80/S-95  
WEIGHT: 23.00 #/FT  
DEPTH: 3,338 '  
TOC: N/A '  
CEMENT: NONE SACKS

| VOLUME<br>CU. FT. | AREA<br>SQ. FT. | HEIGHT<br>FEET | EST. TOC<br>FEET |
|-------------------|-----------------|----------------|------------------|
| LEAD              | 0.048           | 0              | N/A              |
| 0.0               |                 |                |                  |
| TAIL              |                 |                |                  |
| 0.0               |                 |                |                  |

NONE

2ND DV  
TOOL

III

NONE

1ST DV  
TOOL

II

2,977

TOL:

3,339

3,339

PBTD

TD

- CUFT/SX

- SACKS

- CUFT/SX