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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

| | |
|---|------------------------------|
| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |
| E-912-2 | |

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.)

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| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | | 7. Unit Agreement Name | |
| 2. Name of Operator Great Western Drilling Company | | 8. Farm or Lease Name State "13" | |
| 3. Address of Operator P.O. Box 1659, Midland, TX 79702 | | 9. Well No. 1 | |
| 4. Location of Well UNIT LETTER <u>P</u> <u>510</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>13</u> TOWNSHIP <u>16-S</u> RANGE <u>33-E</u> NMPM. | | 10. Field and Pool, or Wildcat Sombrero Atoka (Gas) | |
| 15. Elevation (Show whether DF, RT, GR, etc.) (4172.5' KB) | | 12. County Lea | |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

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| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> |

SUBSEQUENT REPORT OF:

| | |
|--|---|
| REMEDIAL WORK <input checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| CASING TEST AND CEMENT JOBS <input type="checkbox"/> | OTHER <input type="checkbox"/> |

17. 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.

P&A Atoka Zone 12,660'-12,686' & Perforate & Test the Wolfcamp Zone.

3/24 thru 4/1/86: Rigged up pulling unit & pulled subsurface installations, ran wireline junk basket, went through 7" csg stub @ 4,442' wireline measurement. Tagged junk pkr @ 12,602' KBM. POH w/junk basket, no recovery. Started in hole w/CIBP to 700', POH to run logs, pulled into wellhead flange & wireline pulled out of rope socket dropping bridge plug, setting tool & socket, fished, recovered everything but CIBP. Pushed CIBP to 12,598' KBM, ran GR/Neutron Comp. log, tagged top of unfishable CIBP @ 12,560'. Logged from 12,560' to 4,295', POH, ran 7" CIBP & set @ 12,550' KBM. Ran 2-3/8" OD, tbg to top of CIBP @ 12,571' KBM, tbg meas. Spotted 20 sxs class "H" cement 15.6#/gal (12,571' to 12,469') 102' plug on top of CIBP. POH w/tbg, ran 4" csg gun & perforated 23 holes w/.46" dia. hole, 15" penetration, DML-2 charges from 10,078' to 10,100' (1-SPF). Ran 7" Baker Lok-set pkr & 2-3/8" OD, N-80, tbg, set pkr @ 9,978.65' KBM w/16,000# tension. Stripped off BOP & installed tree. Rigged up swab, swabbed 2½ hrs recovering 39 bbls. wtr, no shows of gas or oil.

4/2-4/86: Swabbed 133 Bw, no oil or gas shows. Dropped standing valve & pressure tested tbg, pumped 60 Bw down tbg @ 2½ BPM @ 250 psi. Installed BOP, pulled tbg to leak, found 5" split above pin end on the 150th jt, could not fish S.V. Pulled tbg & found 30' of sand on top of standing valve & mud joint was full of sand. Ran pkr & tbg back in hole, testing tbg to 2,000 psi. Took off BOP, set pkr @ 9,978' w/16,000 lbs. tension, swabbed 27½ Bw & 1 Bo & BS. Shut down

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

(Continued)

SIGNED M. B. Meyer TITLE Ass't. to Gen. Supt. DATE 5-23-86

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE _____ DATE MAY 26 1986

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Form C-103
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| 5a. Indicate Type of Lease | |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No. E-912-2 | |

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.)

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| 2. Name of Operator Great Western Drilling Company | | 8. Farm or Lease Name State "13" |
| 3. Address of Operator P.O. Box 1659, Midland, TX 79702 | | 9. Well No. 1 |
| 4. Location of Well UNIT LETTER <u>P</u> <u>510</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>13</u> TOWNSHIP <u>16-S</u> RANGE <u>33-E</u> NMPM. | | 10. Field and Pool, or Wildcat Sombrero Atoka (Gas) |
| 15. Elevation (Show whether DF, RT, GR, etc.) (4172.5' KB) | | 12. County Lea |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

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| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> |

SUBSEQUENT REPORT OF:

| | |
|--|---|
| REMEDIAL WORK <input checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| CASING TEST AND CEMENT JOBS <input type="checkbox"/> | OTHER <input type="checkbox"/> |

17. 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.

4/5/86: 14 hr. SITP 25 psi. Swabbed tbg dry, recovered 1 bbl. fluid, 50% oil & 50% wtr. Treated well w/5,000 gals. 15% N.E.F.E. HCL acid & 23-7/8" NCR ball sealers. ISIP: vacuum. Treated @ avg. press. of 2,900 psi to vacuum, max. press. 3,650 psi, avg. rate 1.5 BPM & max. rate 4 BPM. Load to recover: 196 bbls. Rigged up swab & made 2 swab runs recovering 4 Bw. Shut down.

4/6/86: 24 hr. SITP 145 psi.

4/7/86: 37 hr. SITP 150 psi. Swabbed 9 hrs. recovering 5 Bo & 10 Bw.

4/8/86: Swabbed 4 hrs & recovered 1 Bo & 8 Bw. Pumped 100 bbls. fresh wtr containing 2% KCL & surfactant down tbg, well on vacuum. Swabbed 5 hrs recovering 17 Bw. 257 Bw underload.

4/9-21/86: Ran pumping installation, placed well on test, had pump action & very small amount of gas, no fluid. Shut down to review for additional work.

4/22-23/86: Pulled subsurface installations. Ran cup type bridge plug & set @ 4,535', tagged 7" stub @ 4,433'. Spotted 3 sxs sand on top of BP, pulled tbg to 4,410'. Loaded csg w/336 bbls. of produced & fresh wtr. Mixed & spotted 50 sxs class C cmt + 2% CaCl2 & followed w/200 sxs class "C" + 5# salt per sx. Displaced w/14 bbls. wtr, pulled tbg to 3,595' & reversed out, pulled tbg to 3,219', closed BOP. Tried to squeeze, pressured to 1,500 psi, broke to 100 psi & then went on vacuum. Pumped 100 Bw on vacuum.

(Continued)

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

SIGNED M. H. Myer TITLE Ass't. to Gen. Supt. DATE 5-23-86

APPROVED BY _____ TITLE _____ DATE MAY 26 1986
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NEW MEXICO OIL CONSERVATION COMMISSION

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| 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.) | | 5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| | | 5. State Oil & Gas Lease No. E-912-2 |
| 1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- | | 7. Unit Agreement Name |
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| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input checked="" 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"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOBS <input type="checkbox"/> | OTHER <input type="checkbox"/> |

17. 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.

Ran tbg back in hole & tagged up @ 4,525'. Set down on BP w/20,000 lbs. Pumped 6 Bw down tbg & pressure increased to 800 psi, ran out of water. Pulled 20 jts tbg & shut down.

4/24/86: POH w/tbg & BP setting tool, ran 7" Baker Lok-set pkr to 4,525' & tagged plug. Pulled tbg up 10' & set pkr. Pressured up on bridge plug to 1,500 psi, held. Released pkr & pulled to 3,260'. Loaded hole w/122 bbls. wtr, closed BOP & pumped into holes @ 1½ BPM @ 350 psi. POH w/tbg & pkr, ran tbg open ended & tagged plug @ 4,525'. Pulled tbg to 4,433', loaded hole, closed BOP, set pump rate, mixed & spotted 50 sxs class C cmt + 2% cac12 mixed @ 14.8#/gal @ 4,417'. Pulled tbg to 3,916' & reversed out, closed BOP, tried to squeeze without success.

4/25/86: Ran tbg to 4,433', mixed & spotted 50 sxs class C cmt + 2% cac12 followed w/200 sxs class C + 5# salt mixed @ 14.8#/gal. Pulled tbg to 3,415' & reversed out. Staged squeeze to 1,560 psi & shut in well w/pressure on csg.

4/26-30/86: 20½ hrs. SITP 875 psi. Released pressure, POH w/tbg, removed BOP. Ran 8-5/8" bit, 4 4-3/4" DC & 2-3/8" OD, tbg & tagged cement @ 3,962'. Drilled cmt from 3,962' to top of 7" csg stub. Circ. hole clean, POH w/tbg, DC & 8-5/8" bit. Ran 6-1/8" milltooth bit, 4 4-3/4" DC & 2-3/8" OD, tbg. Tagged up @ 4,430' top of 7" csg stub. Drilg 16' cmt to 4,446' & ran out of cmt. Ran bit to 4,525' top of sand on bridge plug, POH, ran BP retrieving tool, pressured csg to 1,000 psi for 15 min, held ok. Circ. sand off bridge plug, caught & released BP, pulled plug back into 9-5/8" csg & shut down.

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

(Continued)

SIGNED M.B. Myers TITLE Ass't. to Gen. Supt. DATE 5-23-86

APPROVED BY _____ TITLE _____ DATE _____

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NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

REMEDIAL WORK ☒
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐
OTHER ☐

17. 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.

5/1-8/86: POH w/BP. Ran pkr to 4,539' & stopped (BP had been @ 4,535'). POH w/pkr, ran 6-1/8" milltooth bit to 4,539' & drilled 6" of cement & hit metal, drlg to 4,541' & progress stopped. Returns: cmt, steel cuttings & bit ball bearing, POH, ran a 6-1/8" flat bottom mill, cutrite, smooth sides, DC & tbg. Tagged up @ 4,538', milled cmt & small amount steel cuttings to 4,585'. POH, ran 6-1/8" milltooth bit & drlg light cmt to 4,678' & fell through. Pressured csg to 1,000 psi for 10 min., held ok. Ran bit to 7,652' & hit cement. Drlg cmt from 7,652' to 10,346'. Circ. hole clean, POH, ran Baker 7" fullbore pkr on tbg to 10,021' w/tailpipe @ 10,089'. Set pkr & pressured to 1,200 psi for 10 min., held ok. Released pkr, broke circ. & spotted 5 bbls. 15% NEFE acid. Pulled 3 jts tbg & set pkr @ 9,927' w/tailpipe @ 9,995'. Displaced acid into formation w/water. ISITP 3,200 psi, shut well in for the night.

5/9/86: 12½ hr. SITP 1,750 psi, bled pressure off, swabbed 42 bbls. wtr, no oil or gas shows.

5/10/86: SITP 0 psi. Swabbed 4 hrs & recovered 1 bbl wtr. Treated w/200 gals. 15% NEFE acid & followed w/2,000 gals. XLA 15% cross linked acid. ISDP: 3,950 psi, 15 min. 3,830 psi. Treated @ max. press. 4,000 psi @ 5/10 BPM & avg. rate 3/10 to 2/10 BPM. Load to recovery 97 bbls. Shut down.

5/12/86: 41 hr. SITP 2,000 psi. Opened well, flowed back 3 bbls. wtr, swabbed 9 hrs. recovering 57 bbls. load & acid wtr, no oil or gas shows. 40 bbls. underload.

(Continued)

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

SIGNED W. B. Meyer TITLE Ass't. to Gen. Supt. DATE 5-23-86

APPROVED BY _____ TITLE _____ DATE MAY 26 1986

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SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒
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CASING TEST AND CEMENT JOB ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. 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.

5/13-14/86: Swabbed 6 hrs. Recovered 4 bbls. wtr & mud the 1st hr & 5 hrs without recovery.
Pulled subsurface instillation & shut down. Making preparations to P&A.

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

SIGNED M. B. Myer TITLE Ass't. to Gen. Supt. DATE 5-23-86

APPROVED BY _____ TITLE _____ DATE MAY 26 1986

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