

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
PO BOX 1980, Hobbs, NM 88240

DISTRICT II
PO. Box 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

2040 Pacheco St.
Santa Fe, NM 87505

COPY

WELL API NO.
30-045-29442

5. INDICATE TYPE OF LEASE
STATE ☒ FEE ☐

6. STATE OIL & GAS LEASE NO.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION:
NEW WORK PLUG DIFF
WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ RESVR ☐ OTHER ☐

7. LEASE NAME OR UNIT AGREEMENT NAME
STATE

2. NAME OF OPERATOR
CONOCO INC.

8. WELL NO.
32E

3. ADDRESS OF OPERATOR
10 DESTA DRIVE, STE. 100W, MIDLAND, TEXAS 79705-4500 (915) 686-5424

9. POOL NAME OR WILDCAT
BLANCO MESA VERDE

4. WELL LOCATION

Unit Letter A : 1040' Feet From The NORTH Line and 1095' Feet From The EAST Line

Section 36 Township 30 Range 11 NMPM SAN JUAN County

10. DATE SPUDDED 09-28-97 11. DATE T.D. REACHED 10-07-97 12. DATE COMPL. (Ready to prod.) 10-16-97 13. ELEV. (FE, RKB, RT, GE, etc.) 5979' RKB - 5965' GL 14. ELEV. CASINGHEAD

15. TOTAL DEPTH 7020' 16. PLUG, BACK T.D. 6963' 17. IF MULTIPLE COMPL. HOW MANY ZONES? 18. INTERVALS DRILLED BY ROTARY CABLE TOOLS ☒ TOOLS ☐

19. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME
4391' - 4898' BLANCO MESA VERDE

20. WAS DIRECTIONAL SURVEY MADE

21. TYPE ELECTRIC AND OTHER LOGS RUN

22. WAS WELL CORED

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB/FT | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|------------------|---------------|
| 9-5/8" | 26 | 290' | 12-1/4" | 300SX | |
| 7" | 22 | 2873' | 8-3/4" | 465SX | |
| 4-1/2" | 11.6 | 7004' | 6-1/4" | 590SX | |

| LINER RECORD | | | | TUBING RECORD | | |
|--------------|-----|--------|--------------|---------------|--------|---------------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET |
| | | | | | 2-3/8" | 4628' (TEST) |
| | | | | | | 6748' (FINAL) |

| | |
|--|--|
| 26. PERFORATION RECORD (Interval, size and number) | 27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |
| SEE ATTACHED SUMMARY | DEPTH INTERVAL |
| | AMOUNT AND KIND OF MATERIAL USED |
| | |
| | |
| | |

| | | |
|------------------------------------|---|--|
| 28. DATE FIRST PRODUCTION 10-16-97 | PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING | WELL STATUS (Producing or shut-in) PRODUCING |
|------------------------------------|---|--|

| | | | | | | | |
|------------------------|----------------------|-------------------------|------------------------|---------------------|---------------------|--------------------------|-----------------|
| DATE OF TEST 11-10-97 | HOURS TESTED 24 HRS. | CHOKE SIZE 1/2" | PROD'N FOR TEST PERIOD | OIL - BBL 0.5 | GAS - MCF 2268 MCFD | WATER - BBL 1 | GAS - OIL RATIO |
| FLOW TUBING PRESS 360# | CASING PRESSURE 660# | CALCULATED 24 - HR RATE | OIL - BBL 0.5 | GAS - MCF 2268 MCFD | WATER - BBL 1 | OIL GRAVITY - API (Corr) | |

| | |
|---|--|
| 29. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) FLARED | TEST WITNESSED BY WES HERRERA & EFRAIN MOLINA/ BIG A |
|---|--|

30. LIST ATTACHMENTS
SUMMARY

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 Debra Bemenderfer TITLE As Agent for Conoco Inc. DATE 11-20-97
TYPE OR PRINT NAME DEBRA BEMENDERFER TELEPHONE NO. (505) 324-3965

CONOCO INC.
STATE 32E
API # 30-045-29443
SEC. 36 - T30N - R11W UNIT LETTER "A"
1040' FNL - 1095' FEL

10/28/97 MIRU.

10/29/97 NU 5M BOP. PU tally & RIH w/ 3-7/8".

11/01/97 RIH w/ Dual Burst Thermal Decay (TDT)

11/03/97 RU. RIH & perf @ 6861', 6846', 6825', 6823', 6817', 6815', 6809', 6807', 6801', 6799', 6795', 6793', 6774', 6772', 6768', 6766', 6745', 6743', 6735' & 6733' (1 JSPF, 0.32" OD, Total: 20 shots). 100% shot efficiency. PU 4-1/2" C-1 pkr, RIH on 2-7/8" tbg and set @ 6603'. Pressure test frac iron to 6000 psi, OK. Pump 13 bbls 1% KCl water @ 7 BPM. Formation broke down @ 1800 psi. Pump 12 bbls. 15% HCl releasing 3 ball sealers every bbl. Overdisplace w/91 bbls 1% KCl water attempting to ball out. Good ball action, but did not ball out. Bleed off pressures, unseat pkr and RIH to 6889', knocking off ball sealers. PU to 5117' & set pkr. Pressure up on backside w/ 500 psi to test pkr, OK. Pressure test BJ frac iron to 6000 psi. Frac 6861' 0 6733' w/ 238 bbls. Gelled pad, 249 bbls w/ 1ppg 20/40 sand, 519 bbls w/ 2ppg 20/40 sand, 242 bbls w/ 3 PPG 20/40 sand, 120 bbls w/ 3 PPG 20/40 SDC sand and 56 bbls flush @ avg. of 24 BPM & 5250 psi. ISDP: 1400 PSI, 5 min: 910 PSI, 10 min: 740 PSI & 15 min: 650 PSI. RD BJ Hughes.

11/04/97 Release pkr @ 5117'. RIH & set HOWCO Fas-Drill BP @ 5000' (TDT log depth). POOH w/ setting tool. Load csg w/ 1% KCl water. Pressure test BP against blind rams w/500 psi, OK. RIH & perf w/ 1 JSPF @ 4 898'-90-64-55-46-30-26-12-08-4783'-75-71-31-29-19-17-10-08-04-02-4695'-93-85-83-78-76-71-69-63-61. Total: 30 perfs, 0.32" OD, 100% effective. Well on vacuum after perf. POOH. RD Bluejet. RIH & set "C-1" @ 4516' (tbg tally). Load backside & PT pkr w/ 500 psi. OK. RU BJ Hughes & PT lines to 6800 psi, OK. Pump 14 bbls 1% KCl, breakdown @ 400 psi @ 6 BPM. Pump 12 bbls. 15% HCl releasing 4 ball sealers/bbl. Ball sealer launcher malfunction. Continue breakdown, Flush w/ 50 bbls 1% KCl flush. Good ball action & breakdowns. Final pressure during flush: 800 psi 2 5 BPM. ISIP: 0 psi. Inspect ball launcher. Total of 11 balls out of 45 found in ball launcher. Repair same & load 25 ball sealers. PT lines to flush w/ 1% KCl water @ 400 psi @ 6 BPM. Good ball action & breakdown. Final pressure of 3000 psi 2 3 BPM (max. press; 3300 psi @ 3 BPM). ISIP: 0 psi. RD BJ Hughes. Release pkr @ 4516' & RIH to 4928', knocking off ball sealers. POOH w/ excess 2-7/8".

11/05/97 RU csg frac valve & Y-head. Pressure test frac iron to 5100 psi, OK. Frac 4661' - 4898' as follows: 238 bbls. 1% KCl slick water @ 50 BPM, 390 bbls 1% KCl slick water w/ 0.5 PPG 20/40 sand @ 54 BPM, 395 bbls 1% KCl slick water w/ 1.0 PPG 20/40 sand @ 51 BPM, 170 bbls. 1% KCl slick water (no sand, pump pressure increased w/ 1.0 PPG) @ 50 BPM, 205 bbls. 1% KCl water w/ 0.5 PPG 20/40 sand @ 51 BPM, 895 bbls. 1% KCl water w/ 1.0 PPG 20/40 sand @ 55 BPM, 460 bbls 1% KCl water w/ 1.5 PPG 20/40 sand @ 55 BPM, 175 bbls. 1% KCl slick water w/ 2 PPG SDC 20/40 sand, 76 bbls. 1% KCl slick water flush. Avg. rate/pressure: 53 BPM/2100 psi. ISIP: 0 psi. RIH (Fluid level @ 1100') & set 4-1/2" HOWCO Fas-Drill BP @ 4620' (TDT log depth). POOH (Fluid level @ 1200'). Load csg w/ 1% KCl water & PT BP w/500 psi, OK. RIH 3-1/8" select-fire perf gun load csg w/ 1% KCl water, pressure up on csg to 1500 psi & perf @ 4595'-86-83-77-49-47-42-40-25-23-21-07-03-4501'-4497'-95-92-89-76-74-37-35-4401'-4399'-97-95-93-4391' @ 1 JSPF (Total: 28 shots, 0.32" OD).

(11/05/97 Cont.) Pressure after perforating: 0 psi. PT frac iron w/ 5000 psi, OK. Pump 13 bbls. 1% KCl water @ 7.5 to 10 BPM, 12 bbls. 15% HCl (releasing a total of 42 ball sealers) @ 6 BPM and 100 bbls. 1% KCl water flush @ 10 BPM. Breakdown @ 3200 psi, @ 7.5 BPM. Good ball & breakdown action, did not ball out. ISIP: 950 psi, 5 min: 670 psi, 10 min: 630 psi & 15 min: 610 psi. 7" x 4-1/2" annulus during breakdown: 0 psi RIH w/ junk basket on Bluejet E-Line. Tagged up @ 4618'. Work basket to 4620'. POOH. Recovered 42 ball sealers w/ 25 showing landing in perfs. RD Bluejet. PT frac iron to 5300 psi, OK. Frac 4391' - 4595' as follows: 238 bbls 1% KCl slick water w/ 1 PPG 20/40 sand @ 2440 psi & 48 to 51.5 BPM, 618 bbls. 1% KCl slick water w/ 1.5 PPG @ 2000 psi & 30 BPM, 205 bbls. w/ 2 PPG SDC 20/40 sand @ 1300 psi & 32 to 0 BPM. Avg. rate/pressure: 48/2800. ISIP: 1300 psi, 5min: 870 psi, 10 min: 775 psi & 15 min: 685 psi 7" x 4-1/2" annulus pressure during frac: 0 psi. Total: 84,100 lbs. 20/40 & 9160 lbs. SDC 20/40 RD BJ Hughes.

11/06/97 ND csg frac valve & Ram Head. CO fill to BP @ 4643' KB (4620' E-line).

11/07/97 Begin well clean up & drywatching.

11/10/97 1/2" choke & 2" flowline: 2268 MCFPD, 0.5 BOPD & 1 BWPD @ 360 psi TP & 660psi SICP. Witnessed by Wes Herrera & Efrain Molina. POOH w/ 2-3/8" tbg, SN & NC. CO to BP @ 5023' KB (5000' TDT log depth). DO same in RIH to 6873' KB. CO same to 6923'.

11/11/97 CO to 6963'. POOH. LD 3-7/8" mill tooth bit, bit sub & string float. PU & MU 4-1/2" Baker Retrieomatic pkr, 1 jt 2-3/8" tbg, SN & shut-off valve. LD same as one assy. PU & RIH w/ NC, SN, 57 jts 2-3/8" tbg, 4-1/2" pkr, 1 jt 2-3/8" tbg, SN/shut-off valve, 1 jt 2-3/8", 1 ea. 2' x 2-3/8" pup & 155 jt 2-3/8" tbg. Set packer @ 4965' KB, EOT @ 6773' KB. Close pipe rams isolating MV perfs. Flow well 7 turn over to drywatch.

11/12/97 4 hr Dakota Test, 1/2" choke, 690 MCFGPD, 2 BWPD, 0 BOPD @ 110 PSI FTP. Witnessed by Manual Rubio/Omar Diaz. Last hour witnessed by Sprague, 4CAT. Open pkr equalizer. Unseat pkr & POOH to flagging 2' pup. Kill well w/ 20 bbls 1% KCl water. POOH & LD Baker Model "B" tbg shut-off valve & Retrieomatic pkr. PU & RIH w/ 3-7/8" mill tooth bit, bit sub & string float on 2-3/8" tbg. Tag fill @ 6953' KB. CO fill to PBTD of 6963' KB.

11/13/97 PU & RIH w/ 2-3/8" NC, 2-3/8" SN (pump-out plug installed), 2-3/8" 8rd EUE pin x 2-3/8" "CS" Hydril tbg box XO, 220 jts 2-3/8" 4.7 ppf, Yellow Band "CS" Hydril tbg, 2-3/8" "CS" Hydril pin x 8rd EUE pin XO tbg hanger. Land EOT @ 6748' KB, SN @ 6746'. RD & make ready to move. Release well to Production. Final Report.