

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE *
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

RECEIVED
SEP 2 1998

| | | | | | | | |
|---|-------------------------------|---|------------------------|--|--------------------------|--|-----------------|
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG * | | | | | | 5. LEASE DESIGNATION AND SERIAL NO. SF 076554 | |
| | | | | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | | | | | | 7. UNIT AGREEMENT NAME HAMILTON | |
| b. TYPE OF COMPLETION: NEW WORK DEEP- DIFF. WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> RESVR. <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <i>S. de TIC</i> | | | | | | 8. FARM OR LEASE NAME, WELL NO. HAMILTON #2A | |
| 2. NAME OF OPERATOR CONOCO INC. | | | | | | 9. API WELL NO. 30-045-21643 | |
| 3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 686-5424 | | | | | | 10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 1650' FNL & 1650' FWL, UNIT LETTER 'F-10' At top prod. Interval reported below At total depth | | | | | | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 30, T32N - R10W | |
| | | 14. PERMIT NO. | | DATE ISSUED | | 12. COUNTY OR PARISH SAN JUAN COUNTY | |
| | | | | | | 13. STATE NM | |
| 15. DATE SPURRED 7/42/98 | | 16. DATE T.D. REACHED 8/5/98 | | 17. DATE COMPL. (Ready to prod.) 9/1/98 | | 18. ELEV. (DF, RKB, RT, GR, ETC) * 6115' GL | |
| 19. ELEV. CASINGHEAD | | | | | | | |
| 20. TOTAL DEPTH, MD & TVD 5500' | | 21. PLUG, BACK T.D. MD. & TVD 5470' | | 22. IF MULTIPLE COMPL. HOW MANY * | | 23. INTERVALS DRILLED BY ROTARY CABLE TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/> | |
| 24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) * 4448' - 5448' BLANCO MESA VERDE | | | | | | 25. WAS DIRECTIONAL SURVEY MADE | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN | | | | | | 27. WAS WELL CORED | |
| 28. CASING RECORD (Report all strings set in well) | | | | | | | |
| CASING SIZE/GRADE | WEIGHT, LB/FT | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT | CEMENTING RECORD | AMOUNT PULLED | |
| 10-3/4" | 36# | 167' | 12-1/4" | 125 | SXS | | |
| 7" | 23# | 3187' | 10" 834' | 175 | SXS | | |
| 4-1/2" | 2.5# 116 | 5500' | D ? | 300 | SXS | | |
| 29. LINER RECORD | | | | 30. TUBING RECORD | | | |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT * | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| | | | | | 2-3/8" | 5317' | |
| 31. PERFORATION RECORD (Interval, size and number) | | | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | | |
| SEE ATTACHED SUMMARY | | | | DEPTH INTERVAL (MD) | | AMOUNT AND KIND OF MATERIAL USED | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 33. * PRODUCTION | | | | | | | |
| DATE FIRST PRODUCTION 9/1/98 | | PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING | | | | WELL STATUS (Producing or shut-in) PRODUCING | |
| DATE OF TEST 9/1/98 | HOURS TESTED 24 HRS | CHOKE SIZE 1/2" | PROD'N FOR TEST PERIOD | OIL - BBL 1 | GAS - MCF 297 | WATER - BBL 10 | GAS - OIL RATIO |
| FLOW. TUBING PRESS 45 | CASING PRESSURE 200 | CALCULATED 24 - HR RATE | OIL - BBL 1 | GAS - MCF 297 | WATER - BBL 10 | OIL GRAVITY - API (CORR) | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED | | | | | | ACCEPTED FOR RECORD | |
| 35. LIST OF ATTACHMENTS SUMMARY | | | | | | OCT 05 1998 | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | | | | | | |
| SIGNED <i>Sylvia Johnson</i> | | | | TITLE SYLVIA JOHNSON, As Agent for Conoco Inc. DATE 9/2/98 | | | |

* (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 | MEAS. DEPTH | TOP TRUE VERT. DEPTH |
| | | | HAMILTON #2A | Chacra Cliff House (Massive) Menefee Point Lookout | 4187' 4747' 4819' 5179' | |

COPY

CONOCO, INC.
HAMILTON 2A Deviated
 API: 30-045-21643
 1650' FNL & 1650' FWL, UNIT 'F-10'
 SEC. 30, T32N - R10W

- 8/6/98 MI RU. NU tbg head. NU BOP & test. Load 4 1/2" to 7" csg annulus w/ 5 bbls wtr. Press to 500#. Holds OK. PU 3 7/8" bit & 171 Jts 2 3/8" tbg. RIH to tag cmt @ 5398'.
- 8/7/98 RU power swivel. RIH to tag cmt @ 5398'. Drill to FC @ 5454', DO 16' cmt to establish PBTD @ 5470'. Circ. wellbore clean. Test Csg to 4200#. POOH w/ tbg.
- 8/10/98 MI RU Schlum WL Run TDT/GR/CCL log from PBTD 5470' to window @ 2960'. Run CBL/GR/CCL from PBTD to TOC @ 2700'. CBL looks good. Sent TDT to Eng. to pick perfs. RD Schlum.
- 8/11/98 MI RU Halib. WL PU 3 1/8" HSC select fire gun w/ 16 gram, 305 charges that yield a 0.37" hole. RIH to perf MV (PLO) w/ 28 holes as follows: 5181-85-87-96-99-5221-25-27-41-51-62-64-66-73-78-80-97-5306-17-23-51-88-97-5407-16-29-40-48 POOH w/ WL, RD WL. PU Hali. 4 1/2" PPI tools RIH w/ tbg to 5452', set in blank pipe. Press tested FCV & PPI tools. POOH to straddle btm 2 perfs. Spotted 2 bbls 15% HCl across perfs. Set PPI tools, @ 14 stops to inj 1.5 bbls, 15% HCl, @ 2 bpm avg. @ each stop. Min TP = 2000#. Max TP = 3500#. Avg. TP = 2500#. POOH w/ tbg, LD PPI tools. NU frac valve & Y. Prep for frac.
- 8/12/98 Stand-by. Will frac 8/13/98.
- 8/13/98 MI RU BJ, pump frac to MV (PLO) as follows: 240 bbl 1% KCl pad, 106680 gal SlickH2O w/110 gal Inflow 150, 96 gal FRW 30, & 105000# 20/40 AZ sand. Min TP= 900#. Max TP= 1250#. Avg. TP= 1000#. Inj rate on Treat FL= 55 BPM. Sand conc. = 1-2#/gal. Flush w/ 80 bbls H2O @ 40 BPM. ISIP= 0#. MI RU BJ Perfs. RIH w/ 4- 1/2" CIBP on WL. Set CIBP @ 5140'. POOH w/ setting tool. PU 3 1/8" HSC perf gun w/ 11 gram charges that yield 0.32" hole. RIH to perf MV (Menefee) w/ 28 shot @ 4916-18-22-36-41-57-64-69-76-87-91-97-99-5001-23-30-37-44-48-52-58-60-62-77-79-94-5100-02. POOH w/ WL. RU BJ to break down & acidize as follows: Pump 500 gal 15% HCl acid, dropping 44, 1.3 SP ball sealers, thru-out job. Got 100% ball off! Min TP= 500#. Max TP= 4000#(balled off). Avg. inj rate = 10 BPM. RU BJ. RIH w/ junk basket on WL to retrieve 34 ball sealers. Counted 24 hits. RU BJ to pump frac to MV (Menefee) as follows: 238 bbl pad. 97240 gal SlickH2O w/ 105 gal Inflow 150, 78 gal FRW 30, & 90131# 20/40 AZ sand. Sand conc. = 1 - 2#/gal. Min TP= 1500#. Max TP= 2400#. Avg. TP= 1700#. Inj rate on treat FL= 55 BPM. Flush w/ 70 bbl @ 40 BPM. ISIP= 0#. RU BJ. RIH w/ 4 1/2" CIBP on WL to set CIBP @ 4880'. POOH w/ setting tool. PU & RIH w/ 3 1/8" HSC perf gun w/ 11 gram charges that will yield 0.32" holes, to shoot MV (CH) w/ 28 shots: 4448-52-56-60-4500-57-64-66-4603-18-90-97-47-40-54-58-60-72-76-82-88-96-98-4806-11-14-35-38-43. Rel BJ. ND frac valve & Y. PU Hali. PPI tools, RIH to acidize MV (CH) w/ 500 gal 15% HCl acid. Test FCV & Pkrs. Spot 4 bbls acid on backside. Set PPI tool @ 13 stops to breakdown & acidize perfs w/ .7 bbls /perf. Min TP= 1760#. Max TP= 4200#. Avg. TP= 2800#. Avg. inj rate = 1.5 BPM. ISIP=1000#. POOH w/ tbg to, above all perfs.
- 8/14/98 Cont. POOH w/ tbg, LD Hali. PPI tools. NU frac valve & Y. RU BJ to pump frac to MV (Cliffhouse). 238 bbl pad. 105000 gal SlickH2O, w/101 gal Inflow 150, 80 gal FRW 30, & 94895# 20/40 AZ sand. Min TP= 2000#. Max TP= 3200#. Avg. TP= 2600#. Inj rate on Treat FL= 50 BPM. Flush w/ 68 bbl @ 40 BPM. ISIP= 0#. RD rel. BJ, star in hole, prep for CO.
- 8/17/98 TP 105 psi & CP 105 psi. Cont. in hole w/ 2-3/8" tbg. & MM. Run to 4358' & started up 2 drill gas comp, unloaded well @ 4358'. Cont. in hole & tagged sand @ 4768'. Started 2 drill gas comp & cleaned sand to CIBP @ 4880'. PU to 4358'.
- 8/18/98 Csg - 105 psi. w/ tbg & MM @ 4358', cont. in hole & tagged sand @ 4870'. Started 2 drill gas comps & cleaned sand to CIBP @ 4880'. Power swivel started leaking, replaced power swivel & started drilling on CIBP @ 4880'.

CONOCO, INC.
HAMILTON 2A Deviated
API: 30-045-21643
1650' FNL & 1650' FWL, UNIT 'F-10'
SEC. 30, T32N - R10W

COPY

- 8/19/98 TBG - 340 psi and CSG - 340 psi. Blow down & RIH w/ 2-3/8" tbg. Tag for fill, no fill. Started up 2 drill gas comps, & milled up CIBP @ 4880'. Cont. in hole & tagged sand @ 4957'. Pumped soap sweeps to allow well to clean up. Well making heavy sand. PU 19 jts.
- 8/20/98 320 psi. Tbg & Csg. RIH & tagged sand @ 4942'. Started 2 drill gas comps, & cleaned sand to 5051'. Well making heavy sand. Sand is very fine, not frac sand. Pushed part of old CIBP from 4957' - 5051'. Set on bottom & pumped soap sweeps to clean up, well still making heavy sand.
- 8/21/98 300 psi, Csg & Tbg. Blow down. RIH w/ 21 jts of 2-3/8" tbg. Tag sand @ 5020'. Started 2 drill gas comps, & cleaned sand to CIBP @ 5140'. DU CIBP @ 5140'. Cont. to RIH & tagged sand @ 5241', Circ. clean, & POOH w/ 29 jts.
- 8/24/98 250 psi Tbg & Csg. Blow down. RIH and tagged sand @ 5230'. Started 2 drill gas compressors and cleaned sand to PBTD @ 5470'. Set on bottom and cleaned well with soap sweeps. Well still making medium water and heavy sand. Pulled back up to 4358'.
- 8/25/98 260 psi Tbg & Csg. POOH w/ Tbg & MMM. RIH w/ Mule SC, SN & 2 3/8" tbg. Tagged sand @ 5367', for 103' of fill. Started 2 drill gas comps, & cleaned sand to PBTD @ 5470'. PU to 5303'. Shut down comps & well started flowing. Well loaded up & logged off @ approx. 6:00 PM. Will clean-up & try to test.
- 8/26/98 CP 250 & TP 0. Blow down csg & RIH w/ 5 jts. Tag sand @ 5420' for 50' of fill. Start up 2 drill gas compressors & cleaned sand to PBTD @ 5470'. Circ. clean w/ soap sweeps. Pull up to 5303' & flowed well up the tbg thru 1/4" choke. Drywatched well, well logged off @ 7:00 PM.
- 8/27/98 TP- 50 psi. CP-250 psi. RIH & tagged sand @ 5455', for 15' of fill. Started up 2 drill gas comp & cleaned sand to PBTD @ 5470'. Set on btm & pumped soap sweeps, to allow well to clean up. PU to 5051', unloaded well & started flowing well up the Tbg w/ 1/2" choke.
- 8/28/98 Flowed well thru the night. RIH & tagged sand @ 5462', for 8' of fill. PU to 5439' & RU WL truck. Ran Gyro survey thru the tbg. RD WL. RIH & tagged sand @ 5460'. Started up 2 drill gas comp & cleaned sand to PBTD @ 5470'. Pulled 2-3/8" tbg up to 5209' & started flowing the well up the tbg thru 1/2" choke nipple. Dry watched & tested well thru the weekend. **Well tested as follows, w/ 2-3/8" tbg @ 5209' flowing thru 1/2" choke nipple. Tbg - 45 psi, Csg - 200 psi. MCFPD = 297. OIL - 1 bbl. Water - 10 bbl. Test witnessed by Mike Stone with L&R Const.**
- 8/31/98 CSG - 235 psi. TBG - 235 psi. RIH & tagged sand @ 5458'. Started 2 drill gas comp & cleaned sand to PBTD @ 5470'. Set on bottom & pumped soap sweeps to allow well to clean up. PU the hole to 5209' & unloaded well w/ gas. Well started flowing up the tbg. Called drywatch, well logged off @ 7:00 PM.
- 9/1/98 RIH tagged sand @ 5464' for 6' of fill. Started up 2 drill gas comp & cleaned sand to PBTD @ 5470'. PU & landed 2-3/8" tbg @ 5317' w/ KB & SN added in. Total 2-3/8" tbg 168 jts. Unloaded well w/ drill gas. NDBOP & NUWH. RDMO. FINAL REPORT.