

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE *
(See other instructions on reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NO. SF 078497A	
1a. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ DIFF. RESVR. ☐ OTHER ☐						7. UNIT AGREEMENT NAME SAN JUAN 28-7 UNIT	
2. NAME OF OPERATOR CONOCO INC.						8. FARM OR LEASE NAME, WELL NO. SAN JUAN 28-7 UNIT #199E	
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 686-5412						9. API WELL NO. 30-039-25816	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 385' FSL & 2155' FWL, UNIT LETTER 'N' At top prod. Interval reported below At total depth						10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE	
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 18, T28N - R07W						12. COUNTY OR PARISH RIO ARriba COUNTY	
13. STATE NM						14. PERMIT NO.	
15. DATE SPUDDED 6/1/98						16. DATE T.D. REACHED 6/13/98	
17. DATE COMPL. (Ready to prod.) 7/16/98						18. ELEV. (DF, RKB, RT, GR, ETC) * 6780' GL	
19. ELEV. CASINGHEAD						20. TOTAL DEPTH, MD & TVD 51 7852'	
21. PLUG, BACK T.D. MD. & TVD 4 7838'						22. IF MULTIPLE COMPL. HOW MANY *	
23. INTERVALS DRILLED BY ROTARY ☒ CABLE ☐ TOOLS ☒ TOOLS ☐						24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) * 4876' - 5698' BLANCO MESA VERDE	
25. TYPE ELECTRIC AND OTHER LOGS RUN						26. WAS DIRECTIONAL SURVEY MADE	
27. WAS WELL CORED						28. CASING RECORD (Report all strings set in well)	
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE	
9-5/8"		36#		287'		12-1/4"	
7"		23#		3650'		8-3/4"	
4-1/2"		9.5#		7851'		6-1/4"	
29. LINER RECORD		SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT *		SCREEN (MD)		SIZE		DEPTH SET (MD)	
2-3/8"		5550'		PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
4876' - 5065' Cliffhouse							
5145' - 5458' Menefee							
5561' - 5698' Point Lookout							
33. * PRODUCTION		DATE FIRST PRODUCTION 7/16/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING		WELL STATUS (Producing or shut-in) PRODUCING - DHC #1930	
DATE OF TEST 7/8/98		HOURS TESTED 24 hrs.		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD →	
OIL - BBL 5		GAS - MCF 1980		WATER - BBL 10		GAS - OIL RATIO	
FLOW TUBING PRESS 300		CASING PRESSURE 720		CALCULATED 24 - HR RATE →		OIL - BBL 5	
GAS - MCF 1980		WATER - BBL 10		OIL GRAVITY - API (CORR)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED						TEST WITNESSED BY MARIO SANCHEZ	
35. LIST OF ATTACHMENTS SUMMARY						36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>Sylvia Johnson</u>						TITLE SYLVIA JOHNSON, As Agent	

* (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.

NMOCD

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	DESCRIPTION, CONTENTS, ETC.	NAME	TOP
	BOTTOM	MEAS. DEPTH	TRUE VERT. DEPTH
	SAN JUAN 28-7 UNIT #199E	Ojo Alamo Kirtland Fruitland fma Pictured Cliffs Lewis Chacra Cliffhouse Menefee Point Lookout Mancos Gallup Greenhorn Graneros Dakota	2438 2536 2920 3338 3502 4276 49... 5066 5560 6001 6764 7502 7559 7603 E

COPY

CONOCO, INC.
SAN JUAN 28-7 UNIT #199E
API#: 30-039-25816
385' FSL & 2155' FWL, UNIT 'N'
SEC. 18, T28N - R07W

- 6/16/98 MIRU.
- 6/17/98 PU, tally & TIH w/bit & tbq, tag cmt @ DO cmt to FC @ 7811', DO FC, cont. DO cmt to 7848', circ. hole clean w/1% KCl, TOOH, Ld annulus w/18bbbls 1% KCl, calc TOC @ 913', tested to 500#-OK.
- 6/18/98 RU WL, run TDT log from 7837' - 2050', RD WL.
- 6/22/98 RU BJ, WL, run GR correlation log from 7837' - 7490' & 5900' - 4700', POOH w/ WL, test csg to 4000# w/rig pump OK, RIH w/WL perf DK 7605' - 7805' w/26 holes as follows: 7605-07-09-11-13-16-19-22-25-28-31-7702-04-33-35-37-39-41-67-71-88-90-97-7803-05, RU BJ acidize DK perfs w/500G 15% HCl w/46 ball sealers @ 12.5 BPM, max. 3850#, avg. 2050#, good ball action did not ball, RIH ret 46 balls, 26 hits, Frac DK w/G 15# XL gel w/# 20/40 SDC @ 45 BPM, max. 3780#, avg. 3600#, ISIP 2200#, max. sand conc. 4#/gal, WL set comp BP @ 5800', test BP 4000# OK, Perf Point Lookout from 5561' - 5698' w/30 holes as follows: 5561-64-67-70-73-76-79-83-86-91-5600-02-07-09-15-17-27-29-35-37-47-51-57-67-69-84-86-94-96-5698, press 2000# during perfring, BD w/rig pump to 4000# no success, RIH spot 15 G 15% HCl across perfs from 5698' - 5677', BD to 4000#, no success.
- 6/23/98 RIH w/WL dump bail 15 G 28% HCl across btm perfs, acidize Point Lookout perfs w/500G 15% HCl w/27 ball sealers (ball injector locked up 20 ball, 47 loaded) RD ball injector, TIH w/WL JB ret 16 balls, 16 hits left 4 in well, BD perfs again w/1% KCl & 47 balls, 21 BPM, max. 4000#, good ball action, balled off, RIH ret 50 balls 30 hits, Frac Point Lookout w/51,680 G 15# XL gel w/71,274# 20/40 AZ & 9000# 20/40 SDC @ 53 BPM, max. 1343#, avg. 1200#, ISIP vac, RIH WL set BP @ 5542' test 4000# OK, Perf Menefee from 5145' - 5458' w/32 holes as follows: 5145-53-61-83-88-94-5208-14-21-27-38-45-54-58-62-5301-32-36-42-46-50-54-78-5404-06-32-36-40-44-50-54-5458' press to 2000# during perfring, acidize Menefee perfs w/500G 15% HCl w/45 balls @ 12 BPM, max. 4000#, good ball action balled off, air bubble in line caused approx. 1/2 bbbls of 15% acid, RIH w/ WL JB ret 45 balls 29 hits, Frac Menefee w/65,106 G 15# gel w/113,000# 20/40 AZ & 12,000# 20/40 SDC @ 53 BPM, max. 3030#, avg. 2350#, ISIP 754#, max. sand conc. 3#/gal, RIH WL set BP @ 5130' test 4000# OK, Perf Cliffhouse 4867' - 5065' w/30 shots as follows: 4867-69-80-92-4935-40-42-60-63-66-70-72-84-86-91-93-5006-08-14-19-22-25-37-41-45-49-53-57-61-5065, press to 2000# while perfring, didn't break, BD w/rig pump 1/4 BPM @ 3500#, spot 15 gal 28% HCl across perfs tag fill in csg @ 5008' while spotting acid.
- 6/24/98 TIH, tag sand fill @ 5010', circ. clean, TOOH, RU BJ acidize Cliffhouse perfs (4867' - 5065') w/500 G 15% HCl w/50 ball sealers @ 13 BPM, max. 1565#, avg. 1050#, good ball action, didn't ball off, ISIP 0#, RIH w/ WL JB ret 42 balls 26 hits (30 holes), Frac Cliffhouse w/ G 15# XL gel w/75,000# 20/40 AZ & 12,000# 20/40 SDC @ 48 BPM, max. 2152#, avg. 1650#, ISIP 300#, max. sand conc. 3#/gal, RD BJ, ND frac valve & "Y", RU 6" "T" & blewey line, RU gas comps.
- 6/25/98 TIH w/64 jts tbq attempt to unload well w/one comp, went down on low suction, not enough line press to run comps.
- 6/26/98 TIH w/mm & tbq tag fill @ 4950', CO to 5130', DO top half of BP, well started making excess sand, circ. clean, BP in hole, PU tbq to 4800'.
- 6/29/98 TIH from 4800' to 4950' unload well, cont. in hole tag BP @ 5130', DO BP & cont. in hole tag fill @ 5390', CO to 5530', circ. clean, PU tbq to 4830'.
- 6/30/98 TIH tag fill @ 5520' CO to 5542', circ. Clean, DO BP @ 5542', cont. in hole tag fill @ 5694', CO to 5800', circ. clean DO BP & cont. I hole to 6000', PU tbq to 4850'.

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385' FSL & 2155' FWL, UNIT 'N'
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- 7/1/98 TIH tag fill @ 7722', CO to 7848', circ. clean, TOOH.
- 7/2/98 No tbq in well, flow thru 2" to clean up all day, did not run tbq today.
- 7/7/98 RIH, SN & tbq, tagged sand @ 7790'. Started up & clean sand to PBTD @ 7848', for 58' of fill, pull tbq up above MV perfs.
- 7/8/98 MV TEST: ½" choke, tbq 300, csg 720, 5 oil, 10 water, 1980 MCFPD, 2-3/8" @ 5550', test witnessed by Mario Sanchez w/ Flint Eng.
- 7/9/98 RH & tagged sand @ 7818' for 30' of fill, cleaned sand to PBTD @ 7848', made soap sweeps, to clean well, pull up above MV @ 4850', well still making sand.
- 7/10/98 RIH & tagged sand @ 7808', for 40' of fill, cleaned sand to PBTD @ 6850' and flowed well thru 2" line, on csg slide, csg press 100 psi, while flowing, pull up to 4820'.
- 7/14/98 TIH from 4820' to tag fill @ 7836', CO TO PBTD @ 7848', clean up, PU tbq to 4820'.
- 7/15/98 TIH from 4820' to tag fill @ 7844', CO to PBTD @ 7848', circ. clean, TOOH, SN & tbq, TIH. Set BP over DK @ 7590' (DK perfs 7605' - 7805'), set BP w/press bomb over Point Lookout @ 5550' (PL perfs 5561' - 5698'), set BP w/press bomb over Menefee @ 5135' (Mene perfs 5145' - 5458'), TOOH w/tbq.
- 7/16/98 BD csg & kill w/40 bbls 1% KCl, TIH, SN & tbq land tbq @ 4858' KB, NDBOP, NUWH, RIH tag SN @ 4858' KB, POOH & RIH & set press bomb in SN @ 4858' for Cliffhouse build up, Cliffhouse perfs 4867' - 5065', lock & tag casing & master valve closed for press build up, RDMO.