

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE *
(See other in-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *										
1a. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐					5. LEASE DESIGNATION AND SERIAL NO. SF 078840					
b. TYPE OF COMPLETION: NEW WORK DEEP- DIFF. WELL ☒ OVER ☐ EN ☐ RESVR. ☐ OTHER ☐					6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
2. NAME OF OPERATOR CONOCO INC.					7. UNIT AGREEMENT NAME SAN JUAN 28-7 UNIT					
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 885-424					8. FARM OR LEASE NAME, WELL NO. SAN JUAN 28-7 UNIT #109M					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1090' FNL & 980' FWL, UNIT LETTER 'D' At top prod. Interval reported below At total depth					9. API WELL NO. 30-039-25794					
14. PERMIT NO.					DATE ISSUED		10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA		11. R. M., OR BLOCK AND SURVEY OR AREA SEC. 18, T27N - R07W	
15. DATE SPUDDED 9/12/98		16. DATE T.D. REACHED 9/23/98		17. DATE COMPL. (Ready to prod.) 10/13/98		18. DASH. (B, RT, GR, ETC) * 6554' GL		19. ELEV. CASINGHEAD NM		
20. TOTAL DEPTH, MD & TVD 7536'			21. PLUG, BACK T.D. MD. & TVD 7533'			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)* 7251' - 7465' BASIN DAKOTA								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
9-5/8"		36#		498'		12-3/4"		300 SXS		
7"		23#		3267'		8-3/4"		440 SXS		
4-1/2"		9.5#		7536'		6-1/4"		525 SXS		
29. LINER RECORD						30. TUBING RECORD				
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *		SCREEN (MD)		SIZE
										2-3/8"
										7318'
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 10/13/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING						WELL STATUS (Producing or shut-in) PRODUCING - DHC #1928		
DATE OF TEST 10/12/98		HOURS TESTED 24 HRS		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD		OIL - BBL 1		GAS - MCF 198
FLOW. TUBING PRESS 30		CASING PRESSURE 400		CALCULATED 24 - HR RATE		OIL - BBL 1		GAS - MCF 198		WATER - BBL 5
										OIL GRAVITY - API (CORR)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED								TEST WITNESSED BY VICTOR BARRIOS w/ KEY ENERGY		
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 <u>SYLVIA JOHNSON, As Assistant Commissioner</u>					

* (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

OCT 26 1998

ACCEPTED FOR RECORD

10/14/98

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 pressure, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			SAN JUAN 28-7 UNIT #109M

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2108	
Kirtland	2208	
Fruitland fma	2522	
Pictured Cliffs	2941	
Lewis	3096	
Chacra	3860	
Cliffhouse	4610	
Menefee	4634	
Point Lookout	5205	
Mancos	5570	
Gallup	6378	
Greenhorn	7138	
Graneros	7200	
Dakota	7236	

COPY

CONOCO, INC.
SAN JUAN 28-7 109M
API#: 30-039-25794
1090' FNL & 980' FEL, UNIT 'D'
SEC. 18, T27N - R07W

- 9/24/98 MIRU, NDWH, NUBOP, tally, PU & TIH w/3 7/8" bit & 2 3/8" tbg, run 103 jts 3163' of tbg.
- 9/25/98 Cont in hole w/tbg tag cement @ 7492', RU pwr swivel & DO cmt to FC @ 7499', DO collar & cont DO cmt to shoe @ 7534'. circ clean w/1% KCl load 7' X 4 1/2" annulus w/6 bbls 1% KCL pressure to 500# OK, Test 4 1/2" casing to 4000# OK, TOO H w/tbg & bit.
- 9/27/98 no daily reports sent for today.
- 9/28/98 RU WL run TDT/CCL/GR log from 7537'-2100', Ran CBL/CCL/GR log from 7537'-1750' TOC @ 1750', RD WL.
- 9/29/98 RU BJ, RIH run GR strip correlation log to Schlum TDT log, Perf DK w/30 shots from 7251'-7465' as follows: 7251-53-62-64-75-77-7327-29-62-69-72-75-93-96-7401-03-05-11-13-21-26-34-37-40-43-45-54-56-58-7465', RD WL, TIH w/ PPI tool on 10' spacing w/2-3/8" tbg to 7500', pumped 2 bbls 1% KCl thru tool to insure control valve wkg, set tool & test to 4000# in blank pipe, RU BJ to acidize, PU & set tool across perfs in 12 sets to BD DK perfs, avg BD 3200# Max 4000#, pumped 750G 15% HCl into perfs, all broke, RD BJ, TIH w/ret tool ret SV & control valve from PPI tool, TOO H w/tbg & PPI tool, NU 6" frac valve & "Y".
- 9/30/98 RU BJ, test lines 5000#, Frac DK w/67,000G 15# XL gel w/41,260# 20/40 Ottawa & 60,892# 20/40 SDC @ 40 BPM Max 3800#, Avg 3200#, ISIP 1650#, Max sand conc 3#/gal, RD BJ & Frac valve & "Y", RU WL, RIH set 4 1/2" comp BP @ 5490', test BP 3700# OK, Perf Point Lookout/Lower Menefee w/30 11 gram shots as follows: 5179-82-85-88-5208-11-14-17-20-23-26-39-41-49-68-70-72-83-85-91-94-97-5300-03-06-11-18-28-80-5385', RD WL, TIH w/4-1/2" PPI tool on 10' spacing & 2-3/8" tbg, BD perfs w/750G 15% HCl in 10 sets, Max 4000#, avg 3200#, all sets BD, RIH ret control & SV, TOO H w/tbg & PPI tool, NU frac valve & "Y".
- 10/1/98 RU BJ, frac Point Lookout & Lower Menefee w/67,200G 15# XL gel w/50,000 20/40 AZ & 56,000# 20/40 SDC @ 55 BPM Max 1700#, avg 1600#, ISIP 250# 5 min vac, Max sand conc 3#/gal, RD BJ, ND frac valve & "Y", RU WL, RIH set Hbton 4-1/2" comp BP @ 5150', test 3000# OK, perf Upper Menefee w/25 11 gram shots as follows: 4927-33-53-56-59-62-72-74-81-85-88-91-5018-21-24-27-80-83-86-89-5109-12-15-22-5125', RD WL, TIH w/4-1/2" PPI tool on 10 spacing on 2-3/8" tbg, BD perfs in 9 sets w/750G 15% HCl, Max 3700#, Avg 2750# all perfs BD, TIH w/sandline ret control & SV, TOO H w/tbg & tools, NU frac valve & "Y", NU BJ, test lines 5000# OK, frac Upper Menefee w/64,008G 15# XL gel w/90,640# 20/40 AZ & 15,360# 20/40 SDC @ 46 BPM Max 3300#, Avg 2600#, ISIP 1500#, Max sand conc 3#/gal, RD BJ, ND frac valve & "Y".
- 10/2/98 Checked well had 450#. Blow down. RU gas comps & flowlines. GIH w/ MM, tag fill @ 5050' KB w/ 159 jts. Unloaded well. CO fill to 5150' w/ 165 jts. Pumped soap sweeps every hour. PU to 4778' kb. Left 151 jts. in hole.
- 10/5/98 Checked well 450# on csg 200# on tbg. Blow down. WIH tagged fill @ 5093'. Got gas comp. ready unloaded well. Cleaned fill to plug @ 5150'. DO plug. Well loaded up w/ H2O. Unloaded fluid. WIH tagged fill @ 5315' w/ 168 jts. CO to 5490'. Pumped soap sweeps. PU to 4778'. Left 151 jts. in hole.
- 10/6/98 Check well 900# on csg. 1000# on tbg.. Blow down well. Kill tbg. w/ 5 bbls. GIH tag fill @ 7460'. RU gas comp. CO, Pump soap sweeps every hr. PU tbg. to 4967' w/ 157 jts. left in hole. Press up well w/ gas to flow up the tbg over night. Used 2 comps 8 hrs. each.
- 10/7/98 Checked well, flowing tbg. 40# csg. 400#. Rig up to test mv zone. Blow down well. GIH tag fill @ 5470'. RU power swivel & comp., unload well. Clean fill. DO plug. Well loaded up with sand & water. GIH tag fill @ 7400' w/ 234jts.. CO fill to PBDT 7534'. Pumped soap sweep. POOH, left 77 jts. in the hole (2340').

COPY

CONOCO, INC.
SAN JUAN 28-7 109M
API#: 30-039-25794
1090' FNL & 980' FEL, UNIT 'D'
SEC. 18, T27N - R07W

NOTE: MV TEST THROUGH 1/2" CHOKE AS FOLLOWS: TBG. 130# CSG. 410# RATE 858 MCFPD
10 BWPD 5 BOPD WITNESSED BY: VICTOR BARRIOS.

- 10/8/98 Checked well 900 # tbg. 900# csg. Blowdown well. Killed well with 20 bbls KCl. POOH w/ 77 jts. GIH w/ mule shoe, seating nipple, & 237 jts 2 3/8" tbg.. Tagged fill @ 7500'. CO fill. Pumped soap sweep every hour. Pull up to 7234'. Left 228 jts. in the hole. Pressured up well with gas comp. , left flowing overnight.
- 10/9/98 Checked well 35# tbg. 480# csg. Blow down. Killed well. GIH tag fill @ 7505'. Unload well, clean out fill. Pumped soap sweep every hour. Pulled tbg. up to 7354'. Left 232 jts. in the hole. Pressured up well , left flowing over night.
- 10/12/98 Checked well 50# tbg. 400# csg. Rig up test equip. Test well for 2 hrs. thru 1/2" choke. Blow down well. GIH tag fill @ 7520'. Rig up gas comp. Unload well, CO fill. Pumped soap sweeps every hour. Pulled up to 7318' land tbg. w/ 231 jts. ND B.O.P. RU wellhead. Pressure up well. Take down gas flowlines. Clean up location. Final report.

DK TEST: TBG. 30# CSG. 420# 198 MCFPD 5 BWPD 1 BOPD WITNESSED BY: VICTOR BARRIOS
W/ KEY ENERGY