

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *					5. LEASE DESIGNATION AND SERIAL NO. SF 078840						
					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 SAN JUAN 28-7 UNIT						
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 type="checkbox"/>					8. FARM OR LEASE NAME, WELL NO. SAN JUAN 28-7 UNIT #237M						
2. NAME OF OPERATOR CONOCO INC.					9. API WELL NO. 30-039-25822						
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 1450' FSL & 1850' FEL, UNIT LETTER 'J' At top prod. interval reported below At total depth					11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 19, T27N - R07W						
			14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH RIO ARRIBA COUNTY	13. STATE NM			
15. DATE SPUNDED 9/25/98		16. DATE T.D. REACHED 10/04/98		17. DATE COMPL. (Ready to prod.) 10/27/98		18. ELEV. (DF, RKB, RT, GR, ETC) * 6622' GL		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 7508'		21. PLUG, BACK T.D. MD. & TVD 7508'		22. IF MULTIPLE COMPLETIONS RECEIVED NOV 12 1998 OIL CON. DIV. DIST. 3		INTERVALS DRILLED BY ROTARY <input checked="" type="checkbox"/> CABLE <input type="checkbox"/> TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/>					
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) * 4973' - 5329' 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		
9-5/8"		36#		416'		12-1/4"		265 sxs			
7"		20#		3224'		8-3/4"		490 sxs			
4-1/2"		9.5#		7504'		6-1/2"		575 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"	4899'	
										7345' (Final)	
31. PERFORATION RECORD (Interval, size and number) 4973' - 5105' MENEFFEE 5208' - 5329' POINT LOOKOUT					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED		
33. * PRODUCTION											
DATE FIRST PRODUCTION 10/27/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING					WELL STATUS (Producing or shut-in) PRODUCING - DHC #1924				
DATE OF TEST 10/22/98		HOURS TESTED 24		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD →		OIL - BBL 5	GAS - MCF 594	WATER - BBL 8	GAS - OIL RATIO
FLOW. TUBING PRESS 90		CASING PRESSURE 490		CALCULATED 24 - HR RATE →		OIL - BBL 5		GAS - MCF 594	WATER - BBL 8	OIL GRAVITY - API (CORR)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED								TEST WITNESSED BY MIKE STONE W/L B CONSTRUCTION			
35. LIST OF ATTACHMENTS SUMMARY								ACCEPTED FOR RECORD			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records								NOV 09 1998			
SIGNED <u>Sylvia Johnson</u>					TITLE SYLVIA JOHNSON, As Agent for CONOCOPHILLIPS DISTRICT OFFICE						

* (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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			SAN JUAN 28-7 UNIT #237M

38.

GEOLOGIC MARKERS		
NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Ojo Alamo	2047	
Kirtland	2226	
Fruitland fma	2502	
Pictured Cliffs	2931	
Lewis	3046	
Chacra	3848	
Cliffhouse	4605	
Menefee	4626	
Point Lookout	5200	
Mancos	5534	
Gallup	6380	
Greenhorn	7148	
Graneros	7228	
Dakota	7280	

CONOCO, INC.
SAN JUAN 28-7 UNIT 237M
API#: 30-039-25822
1450' FSL, & 1850' FEL, UNIT 'J'
SEC. 19, T27N - R07W

- 10/6/98 MIRU. NU tbg. head and test to 2300#. NU BOP test 4-1/2" @ 3000#. Test 7" @ 500#. PU 187 jts. 2-3/8" tbg. w/ 3-7/8" bit. GIH tag cmt @ 5905'. Drill out cmt to 6067'. Circ. clean. POOH.
- 10/7/98 GIH w/ 2-3/8" tbg to 6067'. Begin DO cement. Drilled to 6442'. Had to SD due to equip. failure. Circ. clean.
- 10/8/98 RU GIH tag cement @ 6442'. DO cement to 6919'. Circ. clean.
- 10/9/98 RU Begin DO cement. Drilled cmt from 6919' to float collar @ 7457'. DO FC. DO 39' cmt to PBSD @7496'. Circ. well clean w/ 120 bbls of clean H2O.
- 10/12/98 RU. POOH w/ 235 jts. & 3 7/8" bit. Test to 4000#. RU Schlum, run TDT/ CCL/GR log from PBSD 7496' to 2000'. RD WL.
- 10/13/98 No operations. Waiting on acidizing equip.
- 10/14/98 RU Blue Jet w/ . GIH w/ 3 1/8" select fire gun. Perf. DK w/ 32 (11gm.) shots as follows: 7282-84-91-93-7301-03-49-52-55-59-64-67-75-89-91-99-7401-03-05-22-26-28-35-38-41-45-52-57-62-66-69-72-POOH RD w/ . RU BJ. GIH w/ 2-3/8 tbg. & Haliburton 4-1/2" PPI tool on 10' spacings. Press test to 4000#. Spot 2 bbls. 15% HCl. Break down perms. in 11 settings w/ 750 gals. 15% HCl. First 2 perms. did not break. Remaining perms broke at a max. of 3900# and avg. of 3200#. GIH retrieve control valve w/ sand line. TOOH w/ tbg. & PPI tool. NU frac "y" & valve.
- 10/15/98 No operation, waiting on frac equip.
- 10/16/98 RU BJ, test lines to 5000#. Set relief valve. Frac DK w/ 95760 gals 3.75gpt XL gel, 84700# 20/40 Ottawa & 39000# 20/40 SDC @ 40 bpm. Max 3700#, avg 2900#. Isip 1700#, max sand conc. 3ppg. Dropped tracer beads during 1#, 2#, 3#, 3# sdc stages. RD BJ, frac valve & "y", RU BJ. RIH set 4 1/2" Hbton comp BP @ 5379'. Test BP @ 3000#. OK. RIH w/ 3-1/2" select fire gun w/ 29 (11gm) shots. Perf Point Lookout as follows: 5208-11-14-17-20-23-26-32-35-38-41-44-47-50-53-67-69-71-82-85-88-91-94-98-5300-23-25-27-29-RD WL. GIH w/4-1/2" Hbton pipe tool on 10' spacings & 2-3/8" tbg. to 5375'. BD PL perms w/ 750 gals 15% HCl in 8 sets. Max 3000#, avg. 2500#. All sets appeared to breakdown. RIH w/ sand line retrieve standing valve, TOOH w/ tbg. & pipe tool. NU frac valve & "y". RU BJ Test lines to 5000#, test relief valve. Frac Point Lookout w/ 60480 gals 3.75gpt XL gel, 58000# 20/40 AZ sand & 21000# 20/40 SDC @ 45 bpm. Max 2400#, avg. 1500# Isip 200#. Max sand conc. 3#. Dropped tracer beads during 1#,2#, 2-1/2#/ 3# stages. RD BJ.
- 10/17/98 ND frac valve & " y". RU BJ. GIH set 4-1/2" Hbton comp. BP @ 5155. Test plug to 3000#. OK. GIH w/ 3-1/2" select fire gun. Perf Menefee w/ 20 (11gm) shots as follows: 4973-75-77-79-81-83-5005-08-11-14-17-20-71-73-75-77-79-5101-03-05. RD w/ GIH w/ 4-1/2" Hbton pipe tool on 10' spacings & 2-3/8" tbg. to 5108'. BD perms in 5 sets w/ 750 gals 15% HCl. Max 2700#, avg. 2000#. All sets BD. GIH w/ sand line retrieve standing valve. POOH w/ tbg. & ppi tool. NU frac valve & "y". RU BJ, Test lines to 5000#, set relief valve. Frac Menefee w/ 60480g 3.75gpt XL gel, 40000# 20/40 AZ sand, 12000# 20/40 SDC @ 30BPM

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max 3300#, avg 2900#, ISIP 1700#, max sand conc 3#/ gal. Dropped tracer beads during 1#, 2# & 3# stage. RD BJ.

- 10/19/98 0 - psi on csg. ND frac valve. RIH w/ 3 7/8" MMM, w/ 2-3/8" tbg. RU 2 drill gas comp, & 6" blowie line. EOT @ 3982'.
- 10/20/98 SD due to bad weather. Lighting & heavy rain, in area.
- 10/21/98 0 - PSI on tbg & csg. Start 2 drill gas comp, & unload well @ 3982'. Cont. to RIH & tagged sand @ 5058'. Started 2 drill gas comp & cleaned sand to Hallib FDPlug @ 5155'. Circ. & pumped soap sweeps, to allow well to clean up. PU to 4899'.
- 10/22/98 700 PSI, Tbg & Csg. RIH & tagged sand @ 5090' for 65' of fill. Started 2 drill gas comp, & cleaned sand to Hallib FD Plug @ 5155'. DU Plug @ 5155'. Cont. in hole, & tagged sand @ 5278'. Circ. & cleaned sand to Hallib FD Plug @ 5379'. Circ. & pumped soap sweeps, to allow well to CU. Pulled 2-3/8" tbg up to 4899', will drywatch & test (MV) zone thru the night. w/ 2-3/8" tbg @ 4899' & flowing well up the tbg thru 1/2" choke nipple. Tbg 90 psi, & Csg 490 psi. (MV tested @ 594 MCFPD w/ 5 BBLs, OIL and 8 BBLs WATER) Test witnessed by Mike Stone w/ L&R Const.
- 10/23/98 W/ 1/2" choke installed, tbg 90 psi. & csg 490 psi. RIH & tagged sand @ 5359'. Started 2 drill gas comp & cleaned sand to Hallib FD Plug @ 5379'. DU Hallib FD Plug @ 5379'. Circ. clean & POOH w/ 15 jts. to 4899'. Flowed well up the tbg w/ no choke. Flowed well thru the weekend, to allow well to clean up. TBG 25 psi & CSG 350 psi.
- 10/26/98 Tbg & Csg 1090 psi. RIH & tagged sand @ 7419'. Started up 2 drill gas comp. & cleaned sand to PBDT @ 7496'. Cleaned sand & pumped soap sweeps to allow well to CU. Pulled 2-3/8" tbg to 4899'. Started flowing well up 2-3/8" tbg. Installed 1/2" choke nipple. Dry watched & tested DK thru the night. (DAKOTA tested as follows with 2-3/8" tbg @ 4899', Tbg 40 psi & Csg 450 psi. 264 MCFPD w/ 1 bbl water & 1/2 bbl oil. Test witnessed by Mike Stone w/ L&R Const.
- 10/27/98 POOH w/2-3/8" tbg w/ Baker MMM. RIH w/ 2-3/8" tbg, SN & Mule Shoe Collar. Tagged sand @ 7473', started up 2 drill gas comp & cleaned sand to PBDT @ 7496'. Set on bottom & pumped soap sweeps to allow well to clean up. PU to 7330'.
- 10/28/98 Drywatched thru the night, flowing up the tubing without a choke. Tbg 25 psi and Csg 500 psi. RIH and tagged sand @ 7471'. Started 2 drill gas compressors and cleaned sand to PBDT @ 7496'. Pull tubing to 7235'. Rig up wireline and run ProTechnics RA tracer log, from 7475' to 6900' and from 5450' to 4750'. Rig down wireline. SHUT DOWN
- 10/29/98 RIH and land 2 3/8" tbg with SN & Mule Shoe Collar on bottom. Land tubing @ 7345' with KB added in. (TOTAL TUBING 232 jts.) NDBOP & NUWH. Rig down Blowie lines and drill gas compressor lines. Rig down and move off location. FINAL REPORT

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