

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

**COPY**  
RECEIVED  
BLM  
99 JAN -8 AM 8:08

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>						5. LEASE DESIGNATION AND SERIAL NO. NM 03560	
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> <b>ARMINGTON, NM</b>						8. IF INDIAN, ALLOTTEE OR TRIBE NAME	
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"/>						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 #100M	
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 685-5424						9. API WELL NO. 30-039-25881	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 830' FSL & 870' FEL, UNIT LETTER "P" At top prod. Interval reported below At total depth						10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde	
14. PERMIT NO.						12. COUNTY OR PARISH Rio Arriba County	
DATE ISSUED						13. STATE NM	
15. DATE SPUDDED 12-02-98		16. DATE T.D. REACHED 12-9-98		17. DATE COMPL. (Ready to prod.) 1-6-99		19. ELEV. CASINGHEAD 6653' GL	
20. TOTAL DEPTH, MD & TVD 7500'		21. PLUG, BACK T.D. MD. & TVD 7465'		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)* 4878' - 5332' Blanco Mesa Verde						25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Burst Thermal Decay Time Log w/GR & CCL						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#		280'		12-1/4"	
7"		23#		3200'		8-3/4"	
4-1/2"		10.5#		7500'		6-1/4"	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *	
						SCREEN (MD)	
						SIZE	
						DEPTH SET (MD)	
						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	
33. * PRODUCTION							
DATE FIRST PRODUCTION 1-6-99		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING				WELL STATUS (Producing or shut-in) PRODUCING - DHC#2034	
DATE OF TEST 12-30-98		HOURS TESTED 24 hrs		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD	
						OIL - BBL 5	
						GAS - MCF 1056 MCFPD	
						WATER - BBL 2	
						GAS - OIL RATIO	
FLOW. TUBING PRESS 160#		CASING PRESSURE 520#		CALCULATED 24 - HR RATE		OIL - BBL 5	
						GAS - MCF 1056 MCFPD	
						WATER - BBL 2	
						OIL GRAVITY - API (CORR)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED						TEST WITNESSED BY Ray Simms w/L&R Construction	
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>Verla Johnson</u>				TITLE <u>VERLA JOHNSON, As Agent for Conoco Inc.</u> DATE <u>1-5-99</u>			

JAN 08 1999

**ACCEPTED FOR REC'D.**

**ARMINGTON DISTRICT OFFICE**

**NMOCD**

DB

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			San Juan 28-7 Unit #100M			
				Ojo Alamo	2000	
				Kirtland	2222	
				Fruitland fma	2474	
				Pictured Cliffs	2894	
				Lewis	3027	
				Chacra	3794	
				Cliffhouse	4571	
				<del>Monofee</del>	<del>4591</del>	
				Point Lookout	5146	
				<del>Mancos</del>	<del>5514</del>	
				<del>Gallup</del>	<del>6330</del>	
				Greenhorn	7136	
				Graneros	7188	
				Dakota	7243	

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CONOCO INC.  
**SAN JUAN 28-7 UNIT #100M**  
 API #30-039-25881  
 Sec. 30, T27N-R7W, UNIT LETTER "P"  
 830' FSL & 870' FEL

- 12/14/98 MIRU
- 12/15/98 NDWH & NUBOP RIH with 2 3/8" tbg, with 3 7/8" rock bit. Tally all tubing. Tagged cement @ 7421'. Drilled cement to 7435' and tagged wiper plug. Drilled up wiper plug. POOH with tbg and bit. Loaded 7" X 4 1/2" annulus. Took 7 bbls fluid and tested to 500 psi.
- 12/16/98 RIH with 2 3/8" tbg with Baker Metal Muncher Mill. Tagged cement @ 7436' drilled and milled to 7465', still milling slow and torquing up. Still have metal, cement and rubber in returns.. NEW PBTD @ 7465'. POOH with 2 3/8" tbg with Baker Metal Muncher Mill. Tested csg to 4000 psi.
- 12/17/98 Rig up Schlumberger to log. Ran TDT log from 7454' to 2000'. Schlumberger wireline depth 7462'. Rig down Schlumberger wireline. Rig up Wedge wireline, ran CBL from 7464' to 4500'. Good cement. Logged from 1940' to 1540'. Top of cement @ 1868'. POOH with CBL.
- 12/18/98 Wedge wireline still rigged up. Ran CPNL log from 7464' to 7100' and from 5400' to 4500'. POOH with logging tool. Ran PDK 100 Gamma Ray/ CCL from 7479' to 7100', 5400' to 4500', 4050' to 3750', and from 3100' to 2500'. Rig down logging tools. Rig up and perf DK with .32" HSC select fire with 11 grams charge. Perf @ 7248-56-60-64-7309-11-13-15-17-23-25-29-49-51-60-62-64-66-97-99-7401-05-07-16-21-23-35-37-41-43. TOTAL HOLES 30. Rig down Wedge Wireline. RIH with 2 3/8" tbg with Hallib PPI tool.
- 12/21/98 Finish RIH with 2 3/8" tbg with Hallib PPI tool. Rig up BJ and acidize DK. Spot 2 bbls acid over perfs. Acidized DK with 650 gals of 15% HCL acid. Had a total of 9 settings. Avg breakdown pressure 2000 psi. Max pressure 3950 psi. Avg rate 1.5 BPM. POOH with 2 3/8" tbg with Hallib PPI tool. Rig up BJ to frac. Fraced DK with 83,040# of 20/40 Ottawa sand and 24,054# of 20/40 SDC sand. Total sand pumped 107,094#. Total treating fluid pumped 1331 bbls of 15# X - LINK GEL. Avg treating pressure 3000 psi @ 38 BPM avg rate. Max pressure 3800 psi. ISIP - 1860 psi. Set Hallib Fas Drill Plug @ 5450'. Tested plug to 3000 psi.
- 12/22/98 Rig up Blue Jet to perf. Had to thaw out BOP's and Frac Valve. Perf ( MV ) Point Lookout with 3 1/8" HSC with .32" hole size. Perf with 11 grams charge. Perf @ 5156-58-60-70-72-79-83-85-5201-03-11-13-15-21-23-28-31-34-37-57-59-66-68-5305-07-12-17-19-30-32. Total holes 30. Rig up BJ to acidize Point Lookout ( MV ). Acidized with 500 gals of 15% HCL acid with 45 ball sealers, good ball action, well balled off. Avg rate 7.5 BPM @ 2500 PSI avg pressure. Max pressure 3483 PSI. Rig down BJ, and rig up Blue Jet. RIH with junk basket, retrieved 45 balls with 25 hits. Rig down Blue Jet, and Rig up BJ. Fraced Point Lookout ( MV ) with 65,900 # of 20/40 AZ sand, and 32,381 # of 20/40 SDC sand. Total sand pumped 98,281 #. Total treating fluid pumped 1250 BBLs of 15# X - Link Gel. Avg rate 46.5 BPM @ 1920 PSI avg pressure. Max pressure 2341 PSI. Max sand conc 3# / Gal. ISIP - 750 psi. Rig down BJ. Rig up Blue Jet. Set Hallib Fas Drill Plug @ 5100'. Tested plug to 3000 psi. - OK. Rig up to Perf Menefee ( MV ). Perf with 3 1/8" HSC with .32" hole size, with 11 grams sharge. Perf @ 4878-80-82-84-93-95-97-99-4901-03-05-10-12-14-34-36-38-40-42-44. Total holes 20.
- 12/23/98 Rig up BJ. Acidized Menefee ( MV ) with 500 gals of 15% HCL acid, with 30 ball sealers. Avg pressure 2300 psi. Avg rate 8 BPM. Good ball action, well balled off. Max pressure 4000 psi. Surged balls. Rig up Blue Jet, and made junk basket run. Retrieved 28 balls with 16 hits. Rig down Blue Jet. Rig up BJ to frac, had to wait on another frac van, had computer problems. Fraced Menefee ( MV ) with 30,000# of 20/40 AZ sand and 30,000# of 20/40 SDC sand. Avg rate 30 BPM @ 3200 psi avg pressure. Max pressure 3600 psi. Max sand conc 3# / Gal. Total treating fluid pumped 34,400 gals of 15# X - Link Gel. ISIP - 1800 psi.
- 12/28/98 210 PSI on Csg. NU flow T and RIH with 3 7/8" Baker Metal Muncher Mill, with 2 3/8" tbg. Run tubing and mill to 4758'. Rig up 2 drill gas compressors and 6" Blowie Line. Start up 2 drill gas compressors and unload well @ 4758'
- 12/29/98 Csg - 410 psi. RIH with 6 jts. and tag sand @ 4926'. Start 2 drill gas compressors and clean sand to Hallib Fas Drill Plug @ 5100'. Drill up Hallib Fas Drill Plug @ 5100'. Circulate clean and POOH with 11 jts. to 4758'. Started flowing up the tubing. Will drywatch thru the night, flowing up the tubing without a choke.

CONOCO INC.  
**SAN JUAN 28-7 UNIT #100M**  
API #30-039-25881  
Sec. 30, T27N-R7W, UNIT LETTER "P"  
830' FSL & 870' FEL

- 12/30/98 Drywatched & flowed thru the night. Well flowing up the tubing without a choke. Tbg - 20 psi. and Csg 410 psi. RIH and tagged sand @ 5296'. Started 2 drill gas compressors, and cleaned sand to Hallib Fas Drill Plug @ 5450'. Pumped soap sweeps to allow well to clean up. Pulled 2 3/8" tbg up to 4822'. Drywatched & tested well thru the night. With 2 3/8" tbg @ 4822' well flowing thru 1/2" choke nipple. ( MV ) tested as follows. TBG - 160 psi, CSG - 520 psi, MCFPD = 1056. 5 bbls oil, and 2 bbls water. Test witnessed by Ray Simms with L&R Const.
- 12/31/98 RIH and tagged sand @ 5388'. Started 2 drill gas compressors, and cleaned sand to Hallib Fas Drill Plug @ 5450'. Drilled up Hallib Fas Drill Plug @ 5450'. Continued to RIH and tagged sand @ 7424', started 2 drill gas compressors and cleaned sand to PBDT @ 7465'. Circulated clean and pulled tubing to 4822'. Will drywatch and test DK thru the weekend.
- 1/1&2/99 Drywatching well to allow well to clean up. Well flowing thru tubing without choke.
- 1/3/99 Well flowing up the tubing. With 2 3/8" tubing @ 4822', installed 1/2" choke nipple. Tubing pressure stablized @ 310 psi, Csg pressure 550 psi. MCFPD = 990, 0 - oil, and 2 bbls water. Test witnessed by Mike Stone with L&R Const. Shut well in @ 2:00 PM. 1/3/99. (NOTE: THIS TEST IS FOR THE DAKOTA FORMATION ONLY).
- 1/4/99 Tbg - 820 psi. Csg - 800 psi. RIH and tagged sand @ 7437'. Started 2 drill gas compressors and cleaned sand to PBDT @ 7465'. Circulated and cleaned well bore. POOH with 237 jts of 2 3/8" tbg with Baker Metal Muncher Mill.
- 1/5/99 RIH with Mule Shoe Collar, SN and 2 3/8" tbg. Tagged sand @ 7412' started 2 drill gas compressors and cleaned sand to 7444'. Pull up 4 jts.
- 1/6/99 RIH and tagged sand @ 7412'. Started 2 drill gas compressors and cleaned sand to PBDT @ 7465'. Pull up and land 2 3/8" tubing with Mule Shoe and SN on bottom. Total 2 3/8" tubing 231 jts @ 7300' with KB added in. NDBOP & NUWH. Unload well with drill gas compressors. Rig down and move off location. FINAL REPORT.