

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

COPY RECEIVED
BLM

5. LEASE DESIGNATION AND SERIAL NO.
NM 03521

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
San Juan 28-7 Unit

8. FARM OR LEASE NAME, WELL NO.
San Juan 28-7 Unit 111M

9. API WELL NO.
30-039-25885

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 20, T27N-R07W

12. COUNTY OR PARISH
Rio Arriba County

13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *
98 DEC 17 AM 7:56

1a. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER ☐

b. TYPE OF COMPLETION:

NEW

WORK

DEEP-

DIFF.

WELL ☒

OVER ☐

EN ☐

RESVR. ☐

OTHER ☐

2. NAME OF OPERATOR

CONOCO INC.

3. ADDRESS OF OPERATOR

10 Desta Drive, Ste. 100W Midland, Texas 79705-4500

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) *

At surface 1060' FNL- 935' FWL, UNIT LETTER 'D'
At top prod. Interval reported below
At total depth

14. PERMIT NO.

DATE ISSUED

DIST. 3

12. COUNTY OR PARISH

Rio Arriba County

13. STATE

NM

15. DATE SPUDDED
11-05-98

16. DATE T.D. REACHED
11-13-98

17. DATE COMPL. (Ready to prod.)
12-14-98

18. ELEV. (DF, RKB, RT, GR, ETC) *
6535'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
7454'

21. PLUG, BACK T.D. MD. & TVD
7450'

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) *

7235' - 7429' Basin Dakota

25. WAS DIRECTIONAL
SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL

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#	283'	12-1/4"	150 SXS	
7"	23#	3210'	8-3/4"	438 SXS	
4-1/2"	10.50#	7454'	6-1/4"	580 SXS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7286'	

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 12-14-98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing - DHC #2037	
DATE OF TEST 12-13-98	HOURS TESTED 24 HRS	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL 0	GAS - MCF 429 MCFPD	WATER - BBL 2	GAS - OIL RATIO
FLOW. TUBING PRESS 110#	CASING PRESSURE 420#	CALCULATED 24 - HR RATE	OIL - BBL 0	GAS - MCF 429 MCFPD	WATER - BBL 2	OIL GRAVITY - API (CORR)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTED

TEST WITNESSED BY
Mike S. W. 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

DEC 18 1998

SIGNED

Debra Bemenderfer

TITLE Debra Bemenderfer, As Agent for Conoco Inc.

DATE 12-15-98

* (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.

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	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	2044	
				Kirtland	2243	
				Fruitland fma	2471	
				Pictured Cliffs	2898	
				Lewis	3055	
				Chacra	3819	
				Cliffhouse	4584	
				Menefee	4604	
				Point Lookout	5178	
				Mancos	5556	
				Gallup	6342	
				Green horn	7420	
				Graneros	7181	
				Dakota	7232	

CONOCO INC.
SAN JUAN 28-7 UNIT 111M
API #30-039-25885
Sec. 20, T27N-R07W, Unit Letter "D"
1060' FNL – 935' FWL

11/19/98 Stand by, could not move because of muddy road conditions and rig repairs.

11/20/98 Road rig to location, spot rig on location. Had to use cat because of very muddy conditions.

11/23/98 Rig up and spot all equipment. NDWH & NUBOP. Fill 7" X 4 1/2" annulus with 4 1/2 bbls of water. Test annulus to 500 psi. - OK. RIH with 3 7/8" bit and 2 3/8" tbg. Tag cement @ 7329'. Drill cement to FC @ 7410'. Drill up FC @ 7410'. Drill 40' of cement to new PBTD @ 7450'. Circulate hole clean.

11/24/98 POOH with 2 3/8" tubing and 3 7/8" bit. Test casing to 4000 psi. - OK. All of Schlumberger trucks on well locations, delayed unable to log today. Replaced rear end on rig.

11/25/98 Rig up Schlumberger wireline. Ran TDT log from 7444' to 2000'. Rig down Schlumberger wireline. Faxed log to Midland, so perms could be picked.

11/30/98 Rig up Blue Jet, run CBL log from 7448' to 3150' and from 1700' to 1200'. RIH and perf DK with 3 1/8" HSC select fire gun, with .32" hole size. Perf DK @ 7235-41-43-48-63-7305-08-11-14-19-21-25-45-52-55-58-61-71- 75-80-86-91-94-97-7409-11-15-17-25-27-29. Total holes 31. RIH with Hallib PPI tool with 2 3/8" tbg. Run tbg to 6987'.

12/01/98 Continue to RIH with tbg & Hallib PPI tool. Rig up BJ, held Safety meeting. Spot 2 bbls of 15% HCL acid, test tool, and acidized DK perms with 650 gals of 15% HCL acid, making 12 sets. Avg break down pressure 3500 psi. ISIP avg 1800 psi. POOH with 2 3/8" tbg and Hallib PPI tool. Rig up Frac valve and Frac Y.

12/02/98 Rig up BJ to frac Dakota formation. Fraced Dakota with 87,400# of 20/40 Ottawa sand and 36,000# of 20/40 SDC sand. Total treating fluid pumped 1422 bbls of 15# X - Link gel. Avg treating pressure 3000 psi, and avg injection rate 40 BPM. Max pressure 3250 psi. Max sand conc. 3#/ gal. ISIP 1330 psi. ND frac valve and frac Y. Rig up Blue Jet and set Hallib 4 1/2" Fas Drill Plug @ 5460'. Rig up and perf Lower Menefee and Pointlookout with 30 holes total using 3 1/8" HSC with .32" hole size. Perf @ 5136-38-80-84-88-92-96-5207-09 -15-17-27-31-39-41-47-49-56-60-64-68-80-93-95-5329-31-36-40-45-47. (NOTE : TESTED HALLIB PLUG TO 3000 PSI before perforating.)

12/03/98 RIH with 169 jts of 2 3/8" tbg with Hallib. PPI tool. Spot acid over perms, and acidized with 650 gals of 15% HCL acid. Avg break down pressure 2500 psi, and avg ISIP 1200 psi. Total of 12 settings with PPI tool. POOH with 2 3/8" tbg with Hallib PPI tool. NU frac valve and frac Y. Rig up BJ to frac. Fraced Lower Menefee & Point looko t with 70,000# of 20/40 Brady sand and 30,000# of 20/40 SDC sand. Avg treating pressure 1500 psi and avg rate 45 BPM. Max pressure 1900 psi, and max sand conc 3# / gal. Total treating fluid pumped 1298 bbls of 15#/ X-Link gel. ISIP 150 psi. Rig down BJ. Rig up Blue Jet and set Hallib Fas Drill Plug @ 5090' and test casing to 3000 psi - OK. Perf Menefee formation (MV) with 3 1/8" HSC with .32" hole size. Perf @ 4767-69-83-85-99-4803-07-11-22-40-43-46-53-55-65-77-80-83-86-95-97-4905-07-47-49-58-60-80-83-86. Total holes 30. RIH with 2 3/8" tbg with Hallib PPI tool to top of perms.

12/04/98 RIH with 13 jts of 2 3/8" tubing with Hallib PPI tool. Tried to set PPI tool, could not get tool to hold, Released tool and let it hang above perms, shut in pipe rams and acidized down tubing with 650 gals of 15% HCL acid with 45 ball sealers. Avg rate 7 BPM @ 2000 psi avg pressure. Good ball action. Max pressure 3500 psi. ISIP 300 psi. RIH and knock balls off the perms. POOH with 2 3/8" tbg and Hallib PPI tool. Rig up Frac Valve and Frac Y. Rig up BJ and fraced Menefee with 70,000 # of 20/40 Brady sand and 30,000 # of 20/40 SDC sand. Avg pressure 2800 psi and avg rate 44 BPM. Max sand conc 3 # / gal. Max pressure 3800 psi. Total treating fluid 1248 BBLS of 15 # X - Link Gel. ISIP 1520 psi.

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SAN JUAN 28-7 UNIT 111M
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Sec. 20, T27N-R07W, Unit Letter "D"
1060' FNL – 935' FWL

- 12/07/98 Csg 100 psi. Rig up 2 drill gas compressors, and 6" blowie line. RIH with 2 3/8" tbg with Baker 3 7/8" Metal Muncher Mill. Run to 4430'.
- 12/08/98 Csg - 10 psi. Start 2 drill gas compressors and unload well @ 4430'. Well making heavy fluid and sand. Continued to circulate to allow well to clean up.
- 12/09/98 Csg - 500 psi. RIH with 14 jts, and tagged sand @ 4872'. Started 2 drill gas compressors and unloaded water. Continued to RIH and cleaned sand to 4999'. Well still making heavy water and sand. Pulled up to 4746'.
- 12/10/98 TBG & CSG - 375 psi. RIH with 8 jts. tagged sand @ 4987', started 2 drill gas compressors and cleaned sand to Hallib Fas Drill Plug @ 5090'. Drill up Hallib Fas Drill Plug @ 5090'. Well still unloading sand and fluid, pull 11 jts of tubing, and started flowing well up the tubing. Will drywatch thru the night.
- 12/11/98 Drywatched and flowed MV thru the night, Tbg - 20 psi and Csg - 420 psi. Well flowing up the tubing without choke to allow well to clean up. RIH and tagged sand @ 5347', started 2 drill gas compressors and cleaned sand to Hallib Fas Drill Plug @ 5460'. Set on bottom and pumped soap sweeps to allow well to clean up. Will drywatch thru the night, and test MV.
- 12/12/98 Drywatched and tested MV thru the night. With 2 3/8" tubing @ 4746' flowing thru 1/2" choke nipple, tested MV @ 45 psi tbg pressure and 400 psi csg pressure. MCFPD = 297, with 6 bbls oil and 10 bbls water. Test witnessed by Mike Stone with L & R const. RIH and tagged sand @ 5410', started 2 drill gas compressors and cleaned sand to Hallib Fas Drill Plug @ 5460'. Drilled up Hallib Fas Drill Plug @ 5460'. Continued to RIH and tagged sand @ 7382'. Started 2 drill gas compressors and cleaned sand to PBTD @ 7450'. Pulled 2 3/8" tbg to 4746' and drywatched thru the night with no choke.
- 12/13/98 Drywatch well thru the night. Installed 1/2" choke nipple. With 2 3/8" tbg @ 4746' flowed well thru 1/2" choke nipple. Tbg – 110 psi. Csg - 420 psi. MCFPD = 429 with 0 - oil and 2 - water. Test witnessed by Mike Stone with L&R const. Continued to drywatch and allow well to clean up.
- 12/14/98 Gilbert Hughes called in at 9:40 am with landing information. Land 2-3/8" tubing @ 7286" w/230 jts. w/KB added in.