

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

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.
SF 079294

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER

b. TYPE OF COMPLETION:

NEW

WORK

DEEP-

DIFF.

WELL ☐OVER ☒EN ☐RESVR. ☐

OTHER

97 JUL 22 PM 1:58

070 FARMINGTON, NM

7. LEASE AGREEMENT NAME

SAN JUAN 28-7 UNIT

8. FARM OR LEASE NAME, WELL NO.

#227

2. Name of Operator

CONOCO INC.

9. API WELL NO.

30-039-20887

3. Address of Operator

10 DESTA DRIVE, STE. 100W MIDLAND, TX 79705 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 810' FNL - 820' FEL UNIT LTR "A"

At top prod. Interval reported below

At total depth

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

A SEC. 36, T28N-R7W

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

RIO ARRIBA COUNTY

13. STATE

NM

15. DATE SPUDDED

3-5-77

16. DATE T.D. REACHED

3-29-77

17. DATE COMPL. (Ready to prod.)

7-10-97

18. ELEV. (FE, RKB, RT. GE, ETC) *

6626' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD A TVD

7807'

21. PLUG, BACK T.D. MD. & TVD

7797' PBTD

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) *

4981' - 5890' 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 FULLED
9-5/8"	32.3#	222'	13-3/4"	224 cu. ft.	
7"	20#	3695	8-3/4"	250 cu. ft.	
4-1/2"	10.5# & 11.6#	7807	6-1/4"	766 cu. ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKET SET (MD)
					2-3/8"	5410' Test MV	
					2-3/8"	7685' Final DHC	

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

SEE ATTACHED STIMULATION SUMMARY

33. * PRODUCTION

DATE FIRST PRODUCTION 7-10-97		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 7-4-97	HOURS TESTED 12 HRS	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 2460 MCFD	WATER - BBL 2	GAS - OIL RATIO
FLOW TUBING PRESS 170#	CASING PRESSURE 500#	CALCULATED 24 - HR RATE →	OIL - BBL 0	GAS - MCF 2460 MCFD	WATER - BBL 2	OIL GRAVITY - API (CORR)	

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

FLARED

TEST WITNESSED BY

GLENN PAPP/CYENERGY OPERATIONS

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

As Agent for Conoco Inc

DATE 7-21-97

* (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.

ACCEPTED FOR RECORD

AUG 04 1997

FARMINGTON DISTRICT OFFICE

NMOC

37 SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored internals, 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.
			COPY

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GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT DEPTH
Mesa Verde	4980		
Point Lookout	5543		
Gallup	6335		
Greenhorn	7500		
Graneros	7553		
Dakota	7714		

CONOCO INC.
SAN JUAN 28-7 #227
API # 30-039-20887
SEC 36 - T28N - R7W UNIT LETTER
810' FNL - 820' FEL
ATTACHMENT FOR BLM 3160-4, 3160-5

MIRU. Big A rig #10, set aux equipment (Mud tank and pump), 2-compressors, work, drill gas unit). ND WH. NU BOP. Pump 20-Bbls 1% KCl water to kill well. Bled well down. TOOH w/ 243-Jts (7622') 2-3/8" tbg. RU Bluejet WL, GIH w/ 4-1/2" CIBP & set @ 5958'. Top load hole w/ 95 Bbls of 1% KCl, pressure-test CIBP #1 @ 5958' and csg to 3000#, held ok.

RU Bluejet WL, GIH w/ GR-CCL-CBL and log from 5958'-3300' w/ 1000# lb csg, correlate to Dresser Densilog dated 3-16-77, showed good bond to 3300'. GIH w/ Select-Fire guns, pressure to 2500#, perfed Point Lookout as follows: 5547-51-56-58-60-62-64-66-91-95-5603-15-17-19-27-29-52-63-71-73-5738-39-72-73-5874-76-90. Total: 27-0.32" holes. TIH w/ 4-1/2" Baker Full-Bore pkr on 2-7/8" tbg and set @ 65'. RU BJ. BD Point Lookout @ 2200# w/ 1% KCl, pmp 500 gals 15% HCl + 41 BS's (1.1 SpGr) @ 8.5 BPM & 200# to 8.5 - 0 BPM & 300-3000# w/ balls on, balled off. GIH w/ 3.78" Junk-basket and retrieve 34 BS's (23 - hits). TOOH w/ 4-1/2" pkr 7 2-7/8" tbg. NU 6" frac valve. SI well and secure for night.

RU BJ. Pump Slickwater Point Lookout frac w/ 106,600 Gals + 91,000# 20/40 AZ + 7000# 20/40 SDC @ Q-ave=45 BPM \$ P-ave=1400#, ave. SD density = 1.01 PPG, ISIP=0#. RU Bluejet WL, GIH w/ 4-1/2" CIBP on WL & set @ 5500'. Load hole w/80-Bbls 1% KCl water & test CIBP #2 to 3000#, held ok. GIH w/ 3-1/8" Select-Fire gun, pressure csg to 2500#, perf Menefee @ 5211', 12, 33, 35, 43, 57, 58, 70, 78, 83, 85, 5320, 28, 81, 86, 91, 5450, 67, 69, 73. Total: 20-0.32" holes. Pressure decreased from 2500# to 700#, during perforating. TIH w/ 4-1/2" pkr on 2-7/8" tbg & set @ 65'. BD Menefee perfs @ 2150#, Pump 500 Gals 15% HCl + 30 BS's (1.1 Sp Gr) @ 8.5 BPM & 1600-1200#, 8.5-0 BPM & 1200 - 3000# w/ balls on, balled out. TOOH w/ pkr & 2-7/8" tbg. GIH w/ 3.78" Junk Basket & ret. 30 BS's (20 - Hits). Pump slickwater Menefee frac w/ 87,800-Gals + 71,500# 20/40 AZ + 4500 20/40 SDC @ Q-ave=39.5 BPM & p-ave.=2000#, ave. SD density = 0.97 PPG. ISIP 950#, 5-Min = 880#, 10-Min = 850#, 15-Min = 820#. GIH w/ 4-1/2" CIBP & set @ 5180'. Pressure test CIBP #3 to 3000#, held OK. GIH w/ 3-1/8" Select -Fire gun, pressure csg to 2500#, perf'd Cliffhouse @ 4981', 83, 85, 4997, 99, 5019, 28, 30, 37, 42, 44, 49, 63, 70, 72, 77, 79, 88, 90, 95, 5101, 03, 10, 15, 17, 19, 21. Total: 27-0.32" holes. Pressure decreased from 2500#-1000# during perforating. TIH w/ 4-1/2" pkr on 2-7/8" tbg. & set @ 65' BD Cliff House perfs @ 2000#. Pump 500 gas. 25% HCl+ 41 BS's (1.1 Sp Gr) @ 9 BPM & 900# and 9 - 5 BPM & 900-2300-1200# w/ balls on, did not ball out. ISIP = 0. TOOH w/ pkr & 2-7/8" tbg. GIH w/ 3.78" junk-basket and ret. 40 Bs's (25 - Hits), FL @ 1200'. Pump slickwater cliffhouse frac w/ 105,500 - Gals + 87,300# 20/40 SDC @ Q-ave=44.5 BPM @ P-ave=2300#, ave SD density = 0.93 PPG. ISIP = 550#, 5-Min = 420#, 10 - Min = 400#, 15-Min = 390# (Based on Delta P thru perfs, calc 20 of 27 perfs open).

SICP = 0#. Rd 6" Frac valve. RU Blooey tee. TIH w/ 3-7/8" Baker Metal Muncher mill, and string float on 2-3/8" tbg to 4800', circ hole clean w/ gas. Cont. TIH & tag SD @ 5028', 152' of fill. CO SD to CIBP #3 @ 5180'. Drill on CIBP for 1/2-Hr and released pressure from below plug. Circ hole w/ gas and foam sweeps to CO, substantial water production. PU to 4550'.

SICP = 500#. TIH & tag SD @ 5160', 20' of fill. Circ hole clean w/ gas & foam sweeps to CIBP #3 @ 5180'. Drill CIBP #3 in 1-1/2-Hrs, push remainder of CIBP downhole & tag SD @ 5415', 85' of fill. CO SD under rem. Of CIBP #3 to 5500', CIBP #2. DO rem. of CIBP #3 and DO CIBP #2 for 2-Hrs. Pushed rem. of CIBP #2 downhole & tag SD @ 5530', 428' of fill. CO SD under rem. of CIBP #2 to 5700". Water production still substantial. PU to 4918'.

SICP = 800# TIH & tag SD @ 5685', 15' of fill overnight. CO SD fill to 5958', 273' of fill w/ gas & foam sweeps. PU to 5410'. Prep to Dry-watch MV overnight, as well is making substantial water. Set up 2" critical-flow prover w/ 3/4" choke.

Initial conditions: 180# FP w/ Est water rate of 15 BW/Hr. After water production tailed off, conducted 12-hr flow test. Final conditions: 170# FP w/ Est water rate of 2 BW/Hr. Calc flow rate = 2460 MCF/D. MV only.

SICP = 740#. TIH & tag SD @ 5943', 10' of fill over weekend. CO fill w/ gas & foam sweeps to CIBP #1 @ 5958'. RU swivel & DO CIBP in 1-hr, pushed remainder of CIBP & tagged @ 7757', 40' of fill above PBTD @ 7797'. DO rem. Of CIBP #1 & 40' of fill to PBTD @ 7797'. Circ hole clean w/ gas & foam sweeps. TOO H w/ 3-7/8" Metal Muncher mill, string float, and 2-3/8" tbg. TIH w/ SN on 245 Jts 2-3/8" 4.7# J-55 EUE 8rd tbg to 7686'. Pump gas down Tbg/Csg annulus to kick off. Rig up 2" Critical Flow-Prover w/ 3/4" choke to dry watch and test.

2" Critical Flow Prover w/ 3/4" choke. 8 AM: FTP = 220#, CP = 600#, fluid production minimal, no sand. 8 PM: FTP = 205#, CP = 580#, fluid production minimal, no sand.

End 24-hr test, DHC MV & DK, at 7 AM. Final Results: FTP = 200#, CP = 540#, minimal water, no sand. Calculated Critical-Flow Rates: 2898 MCF/D + 1 BWPD + 0 BCPD (2" line w/ 3/4" choke). Bled well off. Pumped 20 Bbls of 1% Kcl water to kill well. TIH & tag SD @ 7791', 6' of fill. CO SD fill w/ gas and foam sweeps to PBTD @ 7797'. PU and land 245-Jts (7685') 2-3/8" 4.7# J-55 tbg, EOT @ 7696', top of SN @ 7695'. ND BOP. NU WH. Circ gas down tbg to clean water off of backside. RDMO.