

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. LC 063458	
1b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR CONOCO, INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 10 Desta Dr., Suite 100W, Midland, Texas 79705-4500 (915) 684-6381		8. FARM OR LEASE NAME Warren Unit Well #145	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FNL & 660' FWL, Unit Ltr. D		9. 30 025 33925 33975	
At top prod. interval reported below		10. FIELD AND POOL, OR WILDCAT Warren Tubb, East	
At total depth		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 34, T20S, R38E	
14. PERMIT NO		12. COUNTY OR PARISH Lea	
DATE ISSUED 4-15-97		13. STATE NM	
15. Date Spudded 6-8-97	16. Date T.D. Reached 6-27-97	17. DATE COMPL. (Ready to prod.) 7-23-97	18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 3566' GR
19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 6900'	21. PLUG, BACK T.D., MD & TVD 6846	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY X
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD & TVD)* Tubb @ 6539-6764'		25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL		27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	23#	1516'	12 1/4"
5 1/2"	15.5#	6900'	7 7/8"
CEMENTING RECORD		Amount Pulled	
660 sx		NONE	
1370 sx		NONE	
29. LINER RECORD			
Size	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
			SIZE 2 3/8
30. TUBING RECORD		DEPTH SET (MD)	
		6792'	
31. PERFORATION RECORD (Interval, size and number) Tubb w/1 SPF from 6539-45, 73-79 6622-32, 68-68, 6706-16, 54-64'		32. ACID, SHOT, FRAC., CEMENT SQUEEZE, Etc.	
		DEPTH INTERVAL (MD)	
		6539-6764	
		AMT. AND KIND OF MATERIAL USED	
		3500 gals 15% NEFE HCL	
		76,000 gals Spectra G 4000	
		169,500# 16/30 TLC RCS	
		848,000# 16/30 SLC RCS	
33. PRODUCTION			
DATE FIRST PRODUCTION 7-25-97		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) pumping	
WELL STATUS (Producing or PRODUCING)			
DATE OF TEST 8-6-97	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR
			OIL -- BBL 60
			GAS -- MCF 207
			WATER -- BBL 187
			GAS-OIL RATIO 3450
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL -- BBL
			GAS -- MCF
			WATER -- BBL
			OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS Sales		(Sold, used for fuel, vented, etc.)	
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS Logs & deviation			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records 915 684-6381			
SIGNED		TITLE Ann E. Ritchie, Regulatory Agent	
DATE		8-11-97	

*(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.

DISTR: BLM(6) NMOCD(1)

8-22-97

Conoco, Inc.
Warren Unit, Well #145
Sec 34, T20S, R38E
Lea County, NM

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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Yates Seven Rivers San Andres Glorieta	3320'	3000'	Dolomite w/o, gassy crossover, some HC, water	Yates	2887'	690
	3200'	3320'	2-4' o zones, Dolomite, gassy crossover, probably wtr	Seven Rivers	3145'	432
	4400'	5330'	Dolomite w/o, good DLL separation, HC & wtr	queen	3701'	-124
	5562'	5590'	Dolomite w/o, water	Penrose	3854'	-277
				Grayburg	4049'	-472
				San Andres	4340'	-763
				Glorieta	5562'	-1985
				Blinbry Mkr	5966'	-2389
				Tubb	6380	-2803

38.