

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-077974	
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> b. TYPE OF COMPLETION: NEW WORK DEEP- DIFF. WELL <input type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> RESVR. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
										7. UNIT AGREEMENT NAME LODEWICK	
2. NAME OF OPERATOR CONOCO INC.										8. FARM OR LEASE NAME, WELL NO. LODEWICK # 4E	
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 686-5424										9. API WELL NO. 30-045-25550	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 1040' FNL - 845' FEL, Unit Letter "A" At top prod. Interval reported below At total depth										10. FIELD AND POOL, OR WILDCAT FRUITLAND COAL	
										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 18, T27N-R9W	
				14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH SAN JUAN		13. STATE NM	
15. DATE SPUDDED 2-19-83		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.) 2-16-99		18. ELEV. (DF, RKB, RT, GR, ETC) * 6501'		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 7055'			21. PLUG, BACK T.D. MD. & TVD 7025'			22. IF MULTIPLE COMPL. HOW MANY * DECEMBER 1999		23. INTERVALS DRILLED BY ROTARY <input 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) 2314' 2423' FRUITLAND COAL										25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN DCL LOG										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		279'		12 3/4		266 C			
4-1/2"		11.6, 10.5		7055'		15 7/8		2400 C			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *		SCREEN (MD)		30. TUBING RECORD	
										SIZE	
										DEPTH SET (MD)	
										PACKER SET (MD)	
										2-3/8"	
										2378'	
										2440'	
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 2-16-99			PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) F					WELL STATUS (Producing or shut-in) P// ONLY FRUITLAND COAL, DK TEMP ZA			
DATE OF TEST 2-12-99		HOURS TESTED 24 HRS		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD		OIL - BBL 0		GAS - MCF 198 MCFPD	
FLOW. TUBING PRESS N/A		CASING PRESSURE 30#		CALCULATED 24 - HR RATE		OIL - BBL 0		GAS - MCF 198 MCFPD		WATER - BBL 8 BBLs	
										OIL GRAVITY - API (CORR)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) V										TEST WITNESSED BY GENARO MAEZ - KEY FOUR CORNERS	
35. LIST OF ATTACHMENTS SEE SUMMARY											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <u>Debra Bemenderfer</u>										TITLE <u>DEBRA BEMENDERFER, As Agent for Conoco Inc.</u>	
										DATE <u>2-16-99</u>	

*(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.

INMOCD

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.	TOP	
				NAME	MEAS. DEPTH
				TRUE VERT. DEPTH	
				OJO ALAMO	1540'
				KIRTLAND	1626'
				FRUITLAND	2318'
				PICTURED CLIFFS	2424'
				CHACRA	2984'
				CLIFFHOUSE	4008'
				MENEFEE	4088'
				POINT LOOKOUT	4754'
				MANCOS	5124'
				GALLUP	5948'
				GREEN HORN	6737'
				DAKOTA	6828'

CONOCO, INC.
LODEWICK #4E
API: 30-045-02555
1040' FNL & 845" FEL, UNIT 'A'
SEC. 18, T27N - R9W

- 2/7/99 Road rig to location. Spot rig and rig up
- 2/8/99 Tbg - 110 psi, and Csg - 110 psi. Spot all equipment. NDWH & NUBOP. RIH with tbg to tag for fill. POOH with 221 jts of 2 3/8" Tbg, F- nipple and 1 jt of 2 3/8" tbg used as mud anchor, with mule shoe collar on bottom. Tally all tubing, tagged fill @ PBTD @ 7025'. (NO FILL). ALL TUBING LOOKS GOOD, MUD ANCHOR HAS SLIGHT SCALE.
- 2/9/99 rig up Blue Jet. Ran Gamma Ray, CCL strip log from 2500' to 1600'. RIH and set Hallib Fas Drill Plug @ 2440'. Tested Csg and plug to 3000 psi. - OK. RIH and perf FC formation from (2314' to 2336' with 4spf, total 88 holes) , (2338' to 2343' with 4spf total 20 holes) (2346' to 2350' with 4spf total 16 holes) (2353' to 2358' with 4spf total holes 20) (2381' to 2390' with 4 spf total holes 36) and (2392' to 2423' with 4spf total holes 124). Total holes for FC zone 304. Shot with 3 1/8" HSC with .32" hole size with 11 grams of charge. Pumped into zone 4 BPM @ 500 psi. Rig up Frac Valve & Frac Y. (NOTE: CHECKED SURFACE CASING- NO PRESSURE) Heat frac water.
- 2/10/99 Well ready to frac. BJ had a scheduling conflict. BJ will pay for standby rig & crew time.
- 2/11/99 Rig up BJ to frac well. Acidized & fraced Fruitland Coal formation with 1600 gals of 15% HCL Acid followed by 1215 bbls of 30# Linear foam fluid with 676000 scf of N2. Total sand pumped 139,480# of 20/40 AZ sand. Avg treating pressure 1800 psi. @ 50 bpm avg treating rates. Max pressure 2000 psi. Max sand conc 5#/gal. ISIP - 1124. Rig down BJ. Rig up to start flowing well back, into flowback tank. Opened well with 520 psi flowing thru 1/2" choke nipple. After 2 hrs pressure down to 295 psi. Will drywatch and flow well thru the night.
- 2/12/99 Drywatched and flowed well thru the night. Continued to flow well and test thru the day. Flowed well thru 1/2" choke nipple, no tubing in the well, flowing well up the casing. Tested well @ 30 psi thru 1/2" choke nipple. MCFPD = 198. 0 - oil & 8 bbls water per/day. Test witnessed by Genaro Maez with Key well service. Well still flowing and making light sand and fluid. Will continue to drywatch and flow thru the weekend to allow well to clean up.
- 2/13/99 Drywatched well thru the night and until 4:00 PM 2/13/99. Well flowing up the casing thru 1/2" choke nipple. Flowing pressure 18 psi @ 3:00 PM 2/13/99. Well cleaned up and was not making any sand, with very little fluid.
- 2/15/99 RIH with 2 3/8" tbg with Hallib Baler. Tagged fill @ 2412' cleaned fill to 2420' POOH with tbg and baler. Checked baler - OK. RIH with tbg and baler, tagged fill @ 2420' and cleaned sand to 2421', could not make any more hole. POOH with tbg & baler. (Layed down tubing from both trips with baler, since this tubing was standing in derrick, and would have to lay down anyway). Plans were to DHC with DK but plans changed, want to produce FC zone before drilling plug over DK. RIH with Mule Shoe Collar, SN and 2 3/8" tubing. Tagged fill @ 2410', rigged up BJ nitrogen and cleaned fill to Hallib Fas Drill Plug @ 2440'. Pulled up and landed 2 3/8" tubing @ 2378' with KB added in. Total tubing 76 jts. with Mule Shoe and SN on bottom. NDBOP & NUWH. Unloaded water with nitrogen. Rig down BJ.
- 2/16/99 Rig down and move off location.
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