

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

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

RECEIVED
BLM
SITES 8 PM 2-10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. SF-078414	
b. 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. %R. R. Heldenbrand		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 3817 NW Expressway, Oklahoma City, OK 73112		8. FARM OR LEASE NAME DAY "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1030' FNL & 1190' FEL (NWNE) At top prod. interval reported below At total depth		9. WELL NO. 16	
14. PERMIT NO. 30-045-28260		DATE ISSUED 8-14-90 -	
15. DATE SPUDDED 12-1-90		16. DATE T.D. REACHED 12-17-90	
17. DATE COMPL. (Ready to prod.) 1-23-90		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6457' GR	
20. TOTAL DEPTH, MD & TVD 3198'		21. PLUG BACK T.D., MD & TVD 3153'	
22. IF MULTIPLE COMPL. HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Fruitland Coal 2980-3087' Total 63' Total 126 Shots		25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CCL GR-DIL-CNL-FDC-FL		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"	24# K-55	259'	12 1/4"
5 1/2"	15.5# K-55	3198'	7 7/8"
	DV @ 2333'		
CEMENTING RECORD			
200 sx Cl G (SEE ATTACHED)			
1st stg-100sx Cl G Lite/Poz&90 sx Cl G			
2nd Stg-527 sx Cl G Lite/Poz &			
132 Sx Cl. G			
29. PACKER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	PACKER SET (MD)
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	2974'		
31. PERFORATION RECORD (Interval, size and number)			
2980-91'			
2995-3004'			
3011-23'			
3026-35'			
3065-87' Total 63' 126 Shots			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
2980-3087'		SEE ATTACHED	
		5111 gal 30# Lin Dummy Pad	
		27,917 gal 30# Lin/70 0 w/16/30	
		Brady Sand & 1839 gal 7 ppg Sand Stage	
33. PRODUCTION			
DATE FIRST PRODUCTION -		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Plunger Lift (Flowing)	
WELL STATUS (Producing or shut-in) S.I.			
DATE OF TEST 1-29-91	HOURS TESTED 24	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD OIL—BBL. 0
GAS—MCF. 224	WATER—BBL. 1.66	GAS-OIL RATIO	
FLOW. TUBING PRESS. 50	CASING PRESSURE 115	CALCULATED 24-HOUR RATE 0	GAS—MCF. 224
WATER—BBL. 1.66		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented During testing, shut-in pending pipeline connection			
TEST WITNESSED BY Richard Farmer			
35. LIST OF ATTACHMENTS NMOCC			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Ronald R. Heldenbrand		TITLE Manager-Regulatory Affairs	
DATE 2/6/91			

*(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.

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
Fruitland Coal	2980'	3087'	Black Coal	Ojo Alamo (Base) Fruitland # Pictured Cliffs	2149' 2775' 3109'	

DRILLING WELLS COMPLETING

SAN JUAN FIELD - DEVELOP - SAN JUAN COUNTY, NM -
DAY 8 NO. 16

Location: 1030' FNL & 1190' FEL of Section 17-T29N-R8W

Objective: 3,250' Fruitland Coal

AFE No. 55-61-5811

API No: 30-045-28260

Lease Code: 7112433

1-18-91: MI & RU Halliburton - Tested pump & lines to 3,500#. Frac well down csg as follows: Pumped 5,111 gals 30# Lin Dummy Pad at 48 BPM/1,300# w/ 486# ISIP. Pumped 27,917 gals 30# Lin/70 Q w/ 16/30 Brady Sand through 6 ppg sand stage. Pumped 1,839 gals of 7 ppg sand stage and screened out at max treating press of 3,146# w/ 3,046# ISIP. Total sand pumped 211,300#. Total in formation 195,300#, left 16,000# in wellbore (could not flush). Avg treating press 1,780#, Avg rate 48 BPM, Total N₂ 1,350,600 SCF. BLW to recover 983 bbls. RD & released Halliburton. Left well SI for 1-1/2 hrs. Open well on 1/8" choke to pit at 2,600# for 2 hrs. Open choke to 1/4" at ±500#. Flowing back sand slurry & H₂O - Monitoring flow back. Daily Cost: \$53,064.
1-19-91: Well cleaning up to pit. CP 450#, flowing through 1/4" choke nipple.
1-20-91: Well cleaning up to pit. CP 75# through 1/4" choke nipple. Recovering sand & mist of water.

NEW MEXICO SUNDRY NOTICE

DAY 3-16

SPUD @ 1600 HRS; 12-1-90

RIG RELEASED @ 1800 HRS; 12-17-90

200 SX (230 FT³) CLASS G + 3% CaCl₂
+ 1/4 LB/SK CELLO FLAKE

CEMENT TO SURFACE: YES ☒ NO ☐
ESTIMATED TOC: SURFACE

PRESSURE TEST: 1000 PSI FOR 5 MIN.
W/ 5 PSI BLEED-OFF

6 JTS. 8-5/8, 24 PPF, K-55, ST&C @ 259 FT.

TOTCO SURVEYS:

DEPTH	ANGLE
<u>679'</u>	<u>1/2°</u>
<u>1301'</u>	<u>1/2°</u>
<u>1705'</u>	<u>1/2°</u>
<u>2071'</u>	<u>3/4°</u>
<u>2458'</u>	<u>1°</u>
<u>2863'</u>	<u>1°</u>

2nd. STAGE

LEAD w/ 527 SX (1100 FT³) CLASS 'G' /LITE POZ (65/35)
+ 10% GEL + 10% SALT + 6-1/4 LB/SK GILSONITE
+ 1/4 LB/SK CELLO FLAKE + 1/4 LB/SK ANTIFOAM

TAIL W/ 132 SX (152 FT³) CLASS 'G' + 1/4 LB/SK CELLO FLAKE

CEMENT TO SURFACE: YES ☒ NO ☐
ESTIMATED TOC: Surface

DV TOOL @ 2333 FT.

1st. STAGE

LEAD w/ 100 SX (230 FT³) CLASS 'G' /LITE POZ (65/35)
+ 10% GEL + 10% SALT + 6-1/4 LB/SK GILSONITE
+ 1/4 LB/SK CELLO FLAKE + 1/4 LB/SK ANTIFOAM

TAIL W/ 90 SX (104 FT³) CLASS 'G' + 1/4 LB/SK CELLO FLAK

CEMENT TO SURFACE: YES ☒ NO ☐
ESTIMATED TOC: 2333'

PRESSURE TEST: 2500 PSI FOR 30 MIN.
W/ No PSI BLEED-OFF

FLOAT COLLAR @ 3154 FT.

SHOE @ 3198 FT.

75 JTS. 5-1/2, 15.5 PPF, K-55, LT&C

DATE: 12-18-90

CC: P. BOWSER
B. BALE
E. BIELAMOWICZ
D. GRIFFIN