

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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 ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐
FEB 12 PM 1:11
618 FARMINGTON, N.M.

2. NAME OF OPERATOR
CONOCO INC. % R. R. Heldenbrand
3. ADDRESS OF OPERATOR
3817 NW Expressway Oklahoma City, OK 73112
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 820' FNL & 1100' FEL (NE NE)
At top prod. interval reported below
At total depth

14. PERMIT NO. 30-045-28261 DATE ISSUED 9-19-90
12. COUNTY OR PARISH San Juan 13. STATE NM
15. DATE SPUDDED 12-2-90 16. DATE T.D. REACHED 1-14-91 17. DATE COMPL. (Ready to prod.) 1-29-91
18. ELEVATIONS (DF. RKB, RT, GR, ETC.)* 6547' KB 14' AGL
19. ELEV. CASINGHEAD 6547' 6.1
20. TOTAL DEPTH, MD & TVD 3263' 21. PLUG, BACK T.D., MD & TVD 3197'
22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-3262'
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
3061'-3140' Fruitland Coal
25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL-VDL-GR-CCL CNL-FDC-GR DIL-GR-SP ML-GR-CAL
27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)
CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT PULLED
8 5/8" 24 K-55 258' 12 1/4" 225 sx Cl. G + Additives
5 1/2" 15.5 K-55 3263' 7 7/8" 1st Stg: 100 sx G-Lite Poz & 95 sx
DV @ 2358' G w/ 2% CaCl2 + Additives
2nd Stg: 410 sx G-Lite Poz & 70 Sx
G w/ 2% CaCl2 + Additives

29. LINER RECORD
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD)
30. TUBING RECORD
SIZE DEPTH SET (MD) PACKER SET (MD)
3 3/8" 3077'

31. PERFORATION RECORD (Interval, size and number)
3061-3066' 5' 10 shots
3076-3083' 7' 14 shots
3090-3094' 4' 8 shots
3096-3100' 4' 8 shots
3120-3140' 20' 40 shots
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
3061-3140' 6300 gals 30# Lin on Dummy Stg.
See Attached 12,764 gals slurry volume 30# Lin
70 w/5000# 40/70 brady sand in 3
stgs-3593 gal slurry Vol 30# Lin 70
3582 gal. slurry

33. PRODUCTION
DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)
Plunger Lift (Flowing) S.I.
DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
2-7-91 24 3/4" 0 261 2
FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
40# 75# 0 261

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY
Vented during testing, shut-in pending pipeline connection Richard Farmer
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 Ronald R. Heldenbrand TITLE Manager, Regulatory Affairs DATE 2/8/91
FARMINGTON RESOURCE AREA

*(See Instructions and Spaces for Additional Data on Reverse Side)

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland Coal	3061	3140	Black Coal	OJO ALAMO (Base) Fruitland Fruitland Pay Pictured Cliffs	2265 ' 2780 ' 2972 ' 3150 '	

RECEIVED
MAR 4 1991
OIL CON. DIV.
DIST. 3

SAN JUAN FIELD -
HUGHES B NO. 16

Location: 820' FNL & 1100' FEL of Section 20-T29N-R8W
Objective: 3,250' Fruitland Coal

API No: 30-045-28261

MI & RU Halliburton Svcs. Broke down perms w/ Baker SAP tool set on 6' spacing. Avg B.D. - 2,486#, Avg Inj Rate 5 BPM @ 2,445#, Avg ISIP 449#. Max treating press 3,500# (Basil Seam). POOH w/ tbg & tools. Held pre-job safety mtg. RU & frac down csg as follows: Pumped 6,300 gals 30# Lin on dummy stg. Shut down ISIP 580#. Pumped 12,746 gals slurry volume 30# Lin 70 w/ 5,000# 40/70 Brady Sand in 3 stages on prepad. Pumped 3,593 gals slurry volume 30# Lin 70 Q w/ 16/30 Brady Sand on 1 ppg sand stg. Pumped 3,582 gals slurry vol on 2 ppg sand stg & screened out at 3,000# max treating press. ISIP 2,800#. Pumped in 2,850 gals at slow rate of 8-9 BPM on flush. ISIP 2,000# & 15 min 981#. Total sand pumped 31,200#. Total in formation 28,900# (14% of design). Avg treating press 2,100#, Avg rate 45 BPM, Total N₂ 1,054,750 SCF. BLW to recover 775. Left well shut in 2-1/2 hrs. RD & released Halliburton. Started flowback & monitoring.

NEW MEXICO SUNDRY NOTICE

HUGHES B-16

SPUD @ 1600 HRS; 12/2/90

RIG RELEASED @ 1100 HRS; 1/13/91

225 SX (259 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/ 0 PSI BLEED-OFF

6 JTS. 8-5/8, 24 PPF, K-55, ST&C @ 258 FT.

TOTCO SURVEYS:

DEPTH	ANGLE
<u>651'</u>	<u>1/4°</u>
<u>1096'</u>	<u>1/4°</u>
<u>1599'</u>	<u>1/4°</u>
<u>2194'</u>	<u>3/4°</u>
<u>2567'</u>	<u>3/4°</u>
<u>3297'</u>	<u>1°</u>

2nd. STAGE

LEAD w/ 410 SX (878 FT³) CLASS 'G' /LITE POZ (65/35)
+ 10% GEL + 10% SALT + 6-1/4 LB/SK GILSONITE
+ 1/4 LS/SK CELLO FLAKE + 1/4 LB/SK ANTIFOAM

TAIL W/ 70 SX (80 FT³) CLASS 'G' + 1/4 LB/SK CELLO FLAKE

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

DV TOOL @ 2358 FT.

1st. STAGE

LEAD w/ 100 SX (208 FT³) CLASS 'G' /LITE POZ (65/35)
+ 10% GEL + 10% SALT + 6-1/4 LB/SK GILSONITE
+ 1/4 LS/SK CELLO FLAKE + 1/4 LB/SK ANTIFOAM

TAIL W/ 95 SX (110 FT³) CLASS 'G' + 1/4 LB/SK CELLO FLAKE

CEMENT TO SURFACE: YES ☐ NO ☒
ESTIMATED TOC: 2450'

PRESSURE TEST: 2600 PSI FOR 30 MIN.

W/ No PSI BLEED-OFF

FLOAT COLLAR @ 3218 FT.

SHOE @ 3263 FT.

76 JTS. 5-1/5", 15.5 PPF, K-55, LT&C

DATE: 1-14-91

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