

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.  
SF-078046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
HUGHES "B"

9. WELL NO.  
17

10. FIELD AND POOL, OR WILDCAT  
Basin Fruitland Coal Gas

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 20-T29N-R8W

12. COUNTY OR PARISH  
San Juan

13. STATE  
NM

14. PERMIT NO.  
30-045-28208

15. DATE ISSUED  
8-31-90

16. ELEVATIONS (DF, RKB, RT, GR, ETC.)  
6492' KB

17. INTERVALS DRILLED BY  
0-3209

18. ROTARY TOOLS

19. CABLE TOOLS

20. WAS DIRECTIONAL SURVEY MADE  
No

21. WAS WELL CORED  
No

1. TYPE OF WELL:  
a. OIL WELL ☐ GAS WELL ☒ OTHER ☐

b. TYPE OF COMPLETION:  
NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ OTHER ☐

2. NAME OF OPERATOR  
Conoco Inc.

3. ADDRESS OF OPERATOR  
%R. R. Heldenbrand  
3817 NW Expressway  
Oklahoma City, OK 73112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1170' FSL & 1400' FWL (SE SW)  
At top prod. interval reported below  
At total depth

15. DATE SPUDDED  
11-30-90

16. DATE T.D. REACHED  
12-17-90

17. DATE COMPL. (Ready to prod.)  
1-11-91

18. PLUG. BACK T.D., MD & TVD  
21. PLUG. BACK T.D., MD & TVD  
3209 TD  
2942-3040'

22. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  
Fruitland Coal 2942-3040'

23. MULTIPLE COMPL.  
24. INTERVALS DRILLED BY  
0-3209

25. ROTARY TOOLS

26. CABLE TOOLS

27. WAS DIRECTIONAL SURVEY MADE  
No

28. WAS WELL CORED  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
CBL-GR-CCL DIL-SP CNL-FDC

29. CASING RECORD (Report on strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	24 PPF K-55	259'	12 1/4"
5 1/2"	15.5 PPF K-55	3209'	
		DV @ 2315'	

30. CEMENTING RECORD

AMOUNT PULLED	2nd Stage	1st Stage
250 sx Cl. G		
400 sx Cl. G/Lite Poz		
170 sx Cl. G/Lite Poz		

31. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	2939'	

32. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*

33. PERFORATION RECORD (Interval, size and number)

Interval	Shots
2942-2946	8 shots
2952-2964	24 shots
2968-2978	20 shots
3016-3040	48 shots
50'	100 shots total

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2942-3040'	SEE ATTACHED Frac & Refrac

35. PRODUCTION

36. DATE FIRST PRODUCTION

37. PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  
plunger lift (flowing)

38. DATE OF TEST  
1-24-91

39. HOURS TESTED  
24

40. CHOKER SIZE  
3/4"

41. PROD'N. FOR TEST PERIOD  
0

42. OIL—BBL.  
0

43. GAS—MCF.  
98

44. WATER—BBL.  
5

45. OIL GRAVITY—API  
S.I.

46. CLOSING PRESSURE  
325

47. FLOW. TUBING PRESS.  
300

48. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Vented during testing—shut-in pending pipeline connection

49. LIST OF ATTACHMENTS

50. 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 FEB 14 1991

BY Richard Farmer

ACCEPTED FOR RECORD

FARMINGTON RESOURCE AREA

11/2/91

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

NMOOD

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FORMATION			38. GEOLOGIC MARKERS		
Interval tested, cushion used, time tool open, flowing and shut-in pressures, and all important zones of porosity and contents thereof; cored intervals; and all			DESCRIPTION, CONTENTS, ETC.		
TOP	BOTTOM		NAME	MEAS. DEPTH	TRUE VERT. DEPT
Fruitland Coal	2942	3040	Black Coal	Ojo Alamo (Base) Fruitland Fruitland Pay Picture Cliffs	2150' 2654' 2858' 3052'

HUGHES B NO. 17

Jan-3<sup>rd</sup>

Location: 1170' FSL & 1400' FWL of Section 20-T29N-R8W

Objective: 3,250' Fruitland Coal

AFE No. 55-61-5814

API No: 30-045-28208

Lease Code: 7112467

MI & RU Halliburton Ser. Started fracing well down csg. Pumped 5,040 gals dummy pad, pumped 11,076 gals 30# Lin/70 quality w/ 5,000# 40/70 Brady sand in two stages when fluid rate was lost. Flushed to perms w/ N<sub>2</sub>. Shut down & repaired fluid pump at blender. Last injectin rate was 1,950#. Total downtime was 1-1/2 hrs. Started fracing well down csg. Pumped 4,500 gals 30# lin/70 quality pad, 5,986 gals 30# Lin/70 quality 16/30 sand from 1/2 ppg to 3 ppg stage. Pump 3 ppg stg of 4,778 gals. Press immediately going up to max treating press of 3,000#. Only got 3 bbls flush behind sand before SI. Pumped a total of 67,000# 16/30 sand into formation. Left 8,000 lbs in csg. Avg rate 45 BPM. Avg press 1,950#. Total fluid pumped 812 bbls. RD Halliburton. Started flowing well to pit through 1/8 choke nipple at 1,500#. Monitoring flow & clean up. Daily Cost: \$42,636. Cum. Drilling Cost: \$132,285. Cum. Well Cost: \$212,106. (1-03-91)

HUGHES B NO. 17

Jan-10<sup>th</sup>  
ReFrac

Location: 1170' FSL & 1400' FWL of Section 20-T29N-R8W

Objective: 3,250' Fruitland Coal

AFE No. 55-61-5814

API No: 30-045-28208

Lease Code: 7112467

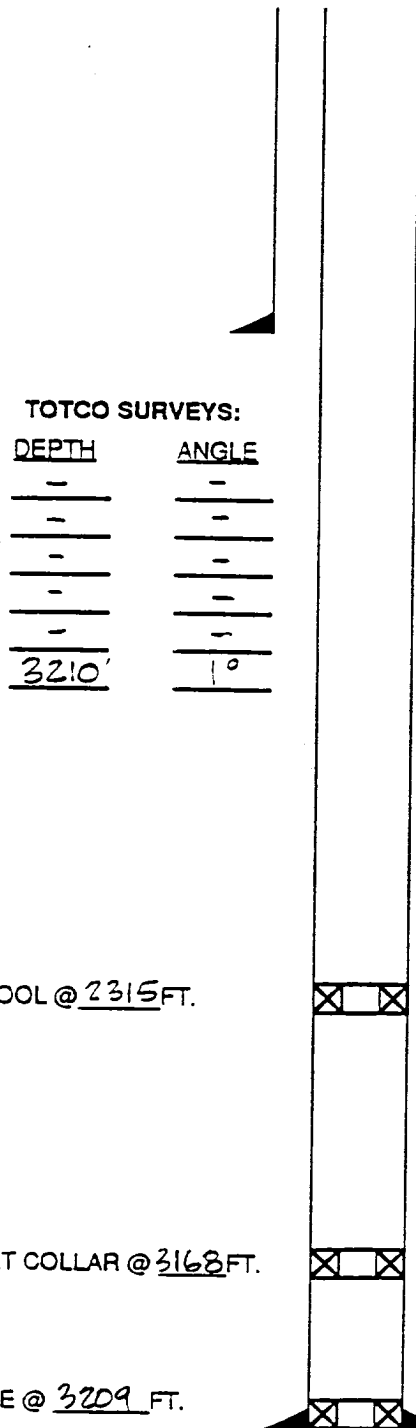
Fill & heat frac tanks - RU Halliburton Svs. Held pre-job safety mtg. Frac well down csg as follows. Pumped 12,667 gals 30# lin pad at 47 BPM/ 2,960#. Broke back to 2,397# - ISIP 1,800#. Pumped 18,742 gals gel slurry, 3,593 gals slurry w/ 1 ppg 16/30 Brady sand, 6,283 gals w/ 2 ppg sand, 5,734 gals w/ 3 ppg sand, 2,700 gals w/ 4 ppg sand & 3,612 gals w/ 5 ppg sand. Press increased to 2,900#. Went to flush (2,846 gals). ISIP 2,350#. Avg rate 45 BPM. Max treating press 2,960#. Total sand pumped 140,000# (designed for 176,000#). BLW to recover 1,347 bbls. Total N<sub>2</sub> 1,068,850. RD Halliburton & started flowing well to pit. Daily Cost: \$1,739. Cum. Drilling Cost: \$132,285. Cum. Well Cost: \$224,464. (1-10-91)

# NEW MEXICO SUNDRY NOTICE

HUGHES B-17

SPUD @ 1100 HRS; 11-30-90

RIG RELEASED @ 1800 HRS; 12-16-90



## TOTCO SURVEYS:

DEPTH	ANGLE
-	-
-	-
-	-
-	-
-	-
<u>3210'</u>	<u>1°</u>

250 SX (288 FT<sup>3</sup>) CLASS G + 3% CaCl<sub>2</sub>  
+ 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 @ 259 FT.

## 2nd. STAGE

LEAD w/ 400 SX (924 FT<sup>3</sup>) 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/ 80 SX (92 FT<sup>3</sup>) CLASS 'G' + 1/4 LB/SK CELLO FLAKE

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

## 1st. STAGE

LEAD w/ 80 SX (185 FT<sup>3</sup>) 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/ 90 SX (104 FT<sup>3</sup>) CLASS 'G' + 1/4 LB/SK CELLO FLAKE

CEMENT TO SURFACE: YES ☒ NO ☐  
ESTIMATED TOC: 2315'  
PRESSURE TEST: 1500 PSI FOR 30 MIN.  
W/ No PSI BLEED-OFF

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

DATE: 12-17-90

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