

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

TE" other instructions on reverse side

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

2157

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP EN PLUG BACK DIFF RESVR Other _____

3. NAME OF OPERATOR
Primary Fuels, Inc. ✓

4. ADDRESS OF OPERATOR
415 West Wall, Suite 1300, Midland, Texas 79701

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1719' FSL & 1999' FWL of Section 19

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. _____ DATE ISSUED _____

6. LEASE DESIGNATION AND SERIAL NO.
NM-34246

7. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

8. UNIT AGREEMENT NAME _____

9. FARM OR LEASE NAME
PFI Amoco 19 Federal

10. WELL NO.
1

11. FIELD AND POOL, OR WILDCAT
Happy Valley Morrow Gas

12. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 19, T22S, R26E

13. COUNTY OR PARISH
Eddy New Mexico

15. DATE SPUNDED 10/09/87 16. DATE T.D. REACHED 11/18/87 17. DATE COMPL. (Ready to prod) _____ 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 3365' GL 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 11,390' 21. PLUG, BACK T.D., MD & TVD 11,340' 22. IF MULTIPLE COMPL., HOW MANY* -- 23. INTERVALS DRILLED BY -- ROTARY TOOLS 0-11,390' CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION— TOP, BOTTOM, NAME (MD AND TVD)* 10,869' - 876' (Morrow) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Spectral Density, DSN, CAL, GR 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
13 3/8"	48#	612'	17 1/2"	319 sx Lite+200 Cl C pumped +680 sx Cl C Down 1"	None
9 5/8"	40#	2,699'	11"	100 sx Thixse+75 sx Halco	Lite Cl C+300 sx Cl C
5 1/2"	17, 20	11,385'	7 7/8"	1068 sx Prem + 880 sx Cl C	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 3/8"	10,742'	10,742'

31. PERFORATION RECORD (Interval, size and number) 10,869' - 876'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS-OIL RATIO
12/24/87	20	18/64"	→	3.5	1,305	0	377.6 mcf/Bbl
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1735		→	4	1,566	0	57°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS
SI Waiting on gas contract

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Kenneth W. Harbin TITLE Vice President DATE 1/25/88

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

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware Sand	3,657	3,717	DST #1 - Took 5" IF 125 psi, 60" ISIP 1556 psi, 60" FF 104 psi, 120" FSIP 1679 psi, GTS 4". Rec 385' HOGGM, 30' Formation Water.	Delaware Sand	2,338'	
fcamp	9,242	9,357	DST #2 - Took 3" IF 274 psi, 60" ISIP 4358 psi, 90" FF, 223 psi, 180" FSIP 3126 psi, Teleflow indicated no fluid recovered.	Bone Springs	4,700'	
				2nd Bone Springs SS	6,200'	
				Wolfcamp	8,318'	
				Strawn	9,848	
				Atoka	10,026'	
				Morrow	10,850'	
Morrow	10,850	10,911	DST #2 - Took 3" IF 1350 psi, 60" ISIP 3431 psi, 60" FFP 1658 psi, 180 psi FSIP 3331 psi psi, rec 225' condensate and gas cut mud.	L. Morrow	11,195'	

38.

GEOLOGIC MARKERS