

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

LEASE DESIGNATION AND SERIAL NO.

NM 0245247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McElvain-Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

E K Bone Springs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 31, T-18-S, R-34-E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

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. RESVR. ☐ Other

2. NAME OF OPERATOR

HILLIARD OIL & GAS, INC.

3. ADDRESS OF OPERATOR

1190 Midland National Bank Tower, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface Unit B, 660' FNL, 1980' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 12/11/75 16. DATE T.D. REACHED 1/25/76 17. DATE COMPL. (Ready to prod.) 4/1/76 18. ELEVATIONS (DF, RKB RT, GR, ETC.)* GR 3877' RKB 3894' 19. ELEV. CASINGHEAD 3877'

20. TOTAL DEPTH, MD & TVD 10,500' 21. PLUG BACK T.D., MD & TVD 10,455' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-10,500 24. ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Bone Springs, 10,379'-10,416'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Schlumberger - DIL, MLL, FDC-CNL

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"	72"	349'	17-1/2"	375 sx class "C"	None
8-5/8"	24 & 32#	3182'	11"	100 sx Lite, 150 sx class "C"	None
4-1/2"	11.60	10500'	7-7/8"	750 sx H - 50/50 Poz on btm	None
				575 sx Lite - DV Tool @ 5298'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-3/8"	10425	None-tubing Anchor @ 10,330'

31. PERFORATION RECORD (Interval, size and number)

10,379'-81'	1 shot/ft	.425
10,384'-88'	1 shot/ft	.425
10,391'-401'	1 shot/ft	.425
10,409'-16'	1 shot/ft	.425

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10,409-10,416	375 gal 15% NE
10,379-10,416	3000 gal 15% NE

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
2/12/76	Pumping 2" x 1-1/4" x 18' x 24'	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/10/76	24	open	→	45	20.5	0	456
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
	200	→	45	20.5	0	38.5	

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

Vented & used for engine fuel

TEST WITNESSED BY

Jim Newbrough

35. LIST OF ATTACHMENTS

2 copies of logs (DIL, MLL, FDC-CNL), List of DST's

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

SIGNED

TITLE Vice President - Drlg & Prod DATE 4/15/76

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