

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

LC-029393-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Arco 8 Federal #2

9. API WELL NO.

30-015-27130

10. FIELD AND POOL, OR WILDCAT

N. and Shugart Bone Spring

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

Sec. 8, T18S, R31E

12. COUNTY OR PARISH
Eddy

13. STATE
N.M.

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. ☐ Other ☐

2. NAME OF OPERATOR

Harvey E. Yates Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1933, Roswell, N.M. 88202

4. LOCATION OF WELL (Report location clearly and in accordance with appropriate regulations)

At surface Unit J; 1980' FSL & 1980' FEL

At top prod. interval reported below

At total depth same

14. PERMIT NO.

15. DATE SPUDDED 9/21/92 16. DATE T.D. REACHED 10/7/92 17. DATE COMPL. (Ready to prod.) 11/7/92

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3675.2 GL

19. ELEV. CASINGHEAD 3675.2

20. TOTAL DEPTH, MD & TVD 8606'

21. PLUG, BACK T.D., MD & TVD 7710'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS All

CABLE TOOLS

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

7356-7503' (oa)

Bone Spring

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/CDL/CCL/GR; DLL/MLL/GR; CBL/CCL/GR

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8 J55	54.5#	370'	17 1/2	375; Circ 60 to surf	n/a
8 5/8 J55	32#	2100'	12 1/4	1050; Circ 152 to surf	n/a
5 1/2 J55	17#	8606'	7 7/8	1500; TOC @ 1000' CBL	n/a

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	7085' 2785'	TAC @ 6752'

31. PERFORATION RECORD (Interval, size and number)

7356-7503' (oa) 9 holes

*add'l. perfs. reflected on 3160-E dated 11/11/92.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7356-7503'	A/3000 gals 10% F/65,000 gals WF-45 + 90,000# 16/30 ottawa

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11/9/92		pumping				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/11/92	24	-	→	115	57	140 load	496
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	-	→	115	57	140 load	39.0	

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

sold

TEST WITNESSED BY

Ray Coor

35. LIST OF ATTACHMENTS

Deviation survey & E-Logs

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

SIGNED Vickie Lee V. Teel TITLE Drlg/Prod Analyst

DATE 11/23/92

*(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
Loco Hills	3739	3820	Sd Clr - qy, vfg	Rustler Yates 7 Rivers Queen Grayburg San Andres Delaware Bone Spring TD	550	550
Metex	3891	3912	Sd Clr - qy, vfg		1967	1967
1st B Sp Sd	7386	7510	Sd gy-wht, vvfq		2340	2340
B-Zone	7711	7894	Dol: vf-mxln, vvgqy por		3098	3098
2nd B Sp Sd	7930	8330	Sd qy, tn, wht vvfq		3627	3627
					4082	4082
					4680	4680
					5371	5371
					8606	8606

38.

GEOLOGIC MARKERS