

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

45P

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

NM-0560353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hale 11 Federal

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat BENSON B.S.

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

Sec. 11, T-19S, R30E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other OCT 08 87

2. NAME OF OPERATOR

Harvey E. Yates Company

O. C. D.

3. ADDRESS OF OPERATOR

ARTESIA, OFFICE

P.O. Box 1933, Roswell, New Mexico 88201

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

At surface

2310 FSL & 2160 FWL

At top prod. interval reported below

At total depth same

14. PERMIT NO.

30-015-25778

DATE ISSUED

6/12/87

15. DATE SPUDDED 8/7/87 16. DATE T.D. REACHED 8/27/87 17. DATE COMPL. (Ready to prod.) 9/15/87 18. ELEVATIONS (OF. RKB, RT, GR, ETC.)* 3354.1 GL 19. ELEV. CASINGHEAD 3354.1 GL

20. TOTAL DEPTH, MD & TVD 9800 TVD 21. PLUG, BACK T.D., MD & TVD 9697 TVD 22. IF MULTIPLE COMPL., HOW MANY* 1 23. INTERVALS DRILLED BY ROTARY TOOLS A11 CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8457-8567(TVD) Bone Spring OCT 5 1987 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL w/Micro; CN/D w/G-R SJS 27. WAS WELL CORRED 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	54.5	356	17 1/2	400 sks	surface
8 5/8	24	2098	11	1215 sks	surface
5 1/2	17	9800	7 7/8	1660 sks	TOC @ 2100

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 8354 8359

31. PERFORATION RECORD (Interval, size and number)

8457-8567 (15 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8457-8567	4000 gal 7 1/2% HCL & ball sealers 105,000 gas BS Frac 65 w/CO2 & 253,000# 16/30 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9/15/87		flowing				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/16/87	24	3/4	→	236	190	132	805
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY—API (CORR.)	
180	0	→	236	190	132	37	

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

used on lease

TEST WITNESSED BY

Ray Coor

35. LIST OF ATTACHMENTS

deviation survey & electric logs

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

SIGNED

H. M. Young

NM Young

TITLE

Drilling Superintendent

DATE 9/17/87

*(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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Rd Bd & Sand	0	380		Yates	1965	1965
Anhy & Salt	380	2000		7 Rivers	2366	2366
Sand & Dolo	2000	2950		Bowers	2658	2658
Dolo & Sand	2950	3800		Queen	2900	2900
Dolo & Lime	3800	4260		San Andres	4148	4148
Dolo & Sand	4260	4500		Delaware	4537	4537
Sand	4500	6100		Bone Springs	6037	6037
Dolo & Sand	6100	7450		Wolfcamp	9697	9697
Sand & Dolo	7450	8150		TD	9800	9800
Dolo	8150	8300				
Sand	8300	8700				
Dolo	8700	9200				
Sand	9200	9800				
TD	9800					

WELL NAME AND NUMBER Hale 11 Federal #1 1001

LOCATION Section 11, T19S, R30E, Eddy County, New Mexico
(New Mexico give U.S.T.&R. - Texas give S, BLK, SURV. and TWP)

OPERATOR Harvey E. Yates Company

DRILLING CONTRACTOR MORANCO Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1/4 356</u>	<u>1 6647</u>	<u> </u>	<u> </u>
<u>3/4 851</u>	<u>1 7149</u>	<u> </u>	<u> </u>
<u>1/2 1347</u>	<u>1 1/4 7394</u>	<u> </u>	<u> </u>
<u>1 1/4 1845</u>	<u>3/4 7909</u>	<u> </u>	<u> </u>
<u>3/4 2581</u>	<u>1 1/4 8405</u>	<u> </u>	<u> </u>
<u>3/4 3080</u>	<u>1 1/4 8908</u>	<u> </u>	<u> </u>
<u>3/4 3577</u>	<u>1 1/4 9262</u>	<u> </u>	<u> </u>
<u>3/4 4077</u>	<u>1 1/4 9800</u>	<u> </u>	<u> </u>
<u>1/2 4592</u>	<u> </u>	<u> </u>	<u> </u>
<u>1 5153</u>	<u> </u>	<u> </u>	<u> </u>
<u>3/4 5653</u>	<u> </u>	<u> </u>	<u> </u>
<u>1 1/4 6151</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor MORANCO Drilling, Inc.

By Wiley Gilmore
Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 2nd day of September 19 87

My Commission expires:

Janaury 30, 1989

Susie Branyon
Notary Public Susie Branyon
Lea County, New Mexico