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AUG 21 1985

UNITED STATES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

O. C. D.

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 OF OPERATOR

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

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

At surface

1980' FSL & 1980' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

5/20/85

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED

6/14/85

16. DATE T.D. REACHED

7/9/85

17. DATE COMPL. (Ready to prod.)

7/30/85

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

3727.2 GR

19. ELEV. CASINGHEAD

3727.2 GR

20. TOTAL DEPTH, MD & TVD

8856'

21. PLUG, BACK T.D., MD & TVD

8653'

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

Yes

CABLE TOOLS

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

8248-8391' Bone Springs

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CD/N w/GR & Caliper; DLL w/GR & Caliper

27. WAS WELL CORED

No

28.

CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.5	450	17 1/2	400 sxs	
8 5/8	24	2101	11	1975 sxs	
5 1/2	17	8855	7 7/8	1465 sxs	

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	8146	8151

31. PERFORATION RECORD (Interval, size and number)

8248-8391' (1 spf/13 holes)

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

8690-94' 200 gal acid

8248-8391 3000 gal acid

8248-8391 130,000 gal frac w/310,000# sand

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
7/31/85		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
7/31/85	24	24/64"	→	241	223	25 (load)	925	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
140#	0	→	241	223	25 (load)	38 degrees		

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

Vented

TEST WITNESSED BY

Curtis Tolle

35. LIST OF ATTACHMENTS

Logs & Deviation Survey

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

SIGNED

N. M. Young

TITLE

Drilling Superintendent

DATE

8/6/85

*(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):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Surface Rock	0	450'		Rustler	660	
Anhy & Salt	450	2101'		Yates	2075	
Anhy	2101	3201'		Queen	3160	
Do1o	3201	4655'		Grayburg	3650	
Do1o & Sand	4655	5006'		San Andres	4010	
Do1o & Shale	5006	5292'		Bone Spring	5204	
Do1o & Sand	5292	5880'				
Lime & Chert	5880	7136'				
Li, Sh & Ch	7136	7605'				
Lime & Shale	7605	7858'				
Do1o	7858	8615'				
Sand & Do1o	8615	8860'				

Harvey E. Yates Company
Hondo & Federal #2
Eddy County, N.M.

STATE OF NEW MEXICO
DEVIATION REPORT

JUL 22 1985

450	1/2	7342	3
935	3/4	7409	3
1420	3/4	7565	3 1/4
1908	1 1/2	7636	3 1/2
2101	3/4	7660	3
2581	1	7752	3 3/4
3083	1 1/2	7795	3 1/2
3300	1	7866	3 1/2
3825	1	7888	3 1/2
4295	3/4	7980	3 1/2
4776	1 1/4	8000	3 3/4
4924	1 1/4	8012	3
5006	1 1/4	8105	2 1/2
5157	1 3/4	8137	3 3/4
5289	2	8243	3
5476	2	8446	2 1/4
5492	2 1/4	8612	2
5507	2	8860	3
5604	2 1/4		
5821	3		
6342	2 3/4		
6429	3 1/4		
5945	3		
6123	3		
6565	2 3/4		
6782	3		
7095	3 1/4		
7190	3 1/4		

STATE OF TEXAS I

Ray Peterson
By: Ray Peterson

COUNTY OF MIDLAND I

The foregoing instrument was acknowledged before me this 19 day of
July, 19 85, by Ray Peterson on behalf of
Peterson Drilling Company.

My Commission expires: 8/2/88

Alice Keel
Notary Public for Midland County,
Texas