

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: ARTESIAN
2. TYPE OF COMPLETION: NEW
3. NAME OF OPERATOR: Harvey E. Yates Company
4. ADDRESS OF OPERATOR: P. O. Box 1933, Roswell, New Mexico 88201 O. C. P.
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface: 660' FWL & 3130' FSL
At top prod. interval reported below:
At total depth: Same
6. LEASE DESIGNATION AND SERIAL NO.: LC-062052
7. IF INDIAN, ALLOTTEE OR TRIBE NAME:
8. UNIT AGREEMENT NAME:
9. PART OR LEASE NAME: Mesquite 3 Federal
10. WELL NO.: 2
11. FIELD AND POOL, OR WILDCAT: Und. Bone Springs
12. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 3 T-18S R-31E
13. COUNTY OR PARISH: Eddy
14. STATE: New Mexico
15. DATE SPUNDED: 10/23/85
16. DATE T.D. REACHED: 11/13/85
17. DATE COMPL. (Ready to prod.): 12/3/85
18. ELEVATIONS (DD, RHH, BT, GR, ETC.): 3737.9 GL
19. ELEV. CASINGHEAD: 3737.9 GL
20. TOTAL DEPTH, MD & TVD: 8904'
21. PLUG, BACK T.D., MD & TVD: 8840'
22. IF MULTIPLE COMPLETIONS, HOW MANY?: 1
23. INTERVALS DRILLED BY: All
24. ROTARY TOOLS: N/A
25. CABLE TOOLS: N/A
26. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): 8220-8387' Bone Springs
27. WAS DIRECTIONAL SURVEY MADE: No
28. TYPE ELECTRIC AND OTHER LOGS RUN: DN w/GR & DLL/ML w/ GR
29. WAS WELL CORED: No

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#	416'	17 1/2"	410 SXS	Circ
8 5/8	24	2140'	11"	850 SXS	Circ
5 1/2	17	8904'	7 7/8"	300 SXS	TOC @ 7000'

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	8494'	8170'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
8270-8387'	(7 shots - .41")	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		8220-8387'	2200 gal 7 1/2% & Ball Sealers
			140,000 Gal BS Frac w/340,000#
			20/40 sand.

33. PRODUCTION
DATE FIRST PRODUCTION: 11/28/85
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Pumping
WELL STATUS (Producing or shut-in): Producing
DATE OF TEST: 12/03/85
HOURS TESTED: 24
CHUCK SIZE: N/A
PROD'N. FOR TEST PERIOD: 85
OIL—BBL.: 72.5
GAS—MCF.: 46
WATER—BBL.: 853
GAS-OIL RATIO: 36
FLOW, TUBING PRESS.: N/A
CASING PRESSURE: N/A
CALCULATED 24-HOUR RATE: 85
OIL—BBL.: 72.5
GAS—MCF.: 46
WATER—BBL.: 36
OIL GRAVITY-API (CORR.): 36
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Used for fuel
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 Superintendents DATE: 12/6/85

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ALL WELLS OF EXPOSURE ZONES: (Show all important zones of porosity and contents thereof, tested intervals, and all full-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)

4500/4500 MAH

58.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	FEET	
					MEAS. DEPTH	TRUE VERT. DEPTH
Anhy	0	416'		Rustler	703'	703'
Salt & Anhy	416	2033'		Yates	2111'	2121'
Anhy	2033	3956'		Queen	3005'	3205'
Anhy & Dolo	3956	5258'		Grayburg	3687'	3687'
Sand & Dolo	5258	6350'		3rd Bone Spr Sd	8830'	8830'
Lime & Sh	6350	6682'				
Lime, sh & Ch	6682	7260'				
Lime & sh	7260	7546'				
Lime	7546	7731'				
Lime & sh	7731	8264'				
Sand & Lime	8264	8533'				
Dolo	8533	8832'				
Dolo, sh & sd	8832	8900'				