

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

45F

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ☐
2. NAME OF OPERATOR: Harvey F. Yates Company
3. ADDRESS OF OPERATOR: Box 1933 Roswell, New Mexico 88201
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 330' FWL & 1980' FSL
At top prod. interval reported below
At total depth: Same
14. PERMIT NO.: O. C. D. ARTESIA, OFFICE
DATE ISSUED: March 21, 1986
5. LEASE DESIGNATION AND SERIAL NO.: LC-029389B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Hondo 4 Federal
9. WELL NO.: 4
10. FIELD AND POOL, OR WILDCAT: N. Shugart Bone Spring
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 4 T-18S R-31E
12. COUNTY OR PARISH: Eddy
13. STATE: N.M.
15. DATE SPUDDED: 5-1-86
16. DATE T.D. REACHED: 5-29-86
17. DATE COMPL. (Ready to prod.): 6-12-86
18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 3720 GL
19. ELEV. CASINGHEAD: Same
20. TOTAL DEPTH, MD & TVD: 8785
21. PLUG, BACK T.D., MD & TVD: 8740
22. IF MULTIPLE COMPL., HOW MANY*:
23. INTERVALS DRILLED BY: A11
24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8168-8404 Bone Springs
25. WAS DIRECTIONAL SURVEY MADE: No
26. TYPE ELECTRIC AND OTHER LOGS RUN: D.N. & DII w/Micro
27. 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	54.5	357	17 1/2	385 sks	
8 5/8	32/24	2100	11	900 sks	
5 1/2	17	8785	7 7/8	1100 sks	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	8497	8079

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL (MD)	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8168-8404	(1 SPF- .44" Holes)	8168-8404	3250 Gal 7 1/2% HCL 125000 Gal BS 60 & C02 Using 250,000 lbs 20/40 Sand

33.* PRODUCTION
DATE FIRST PRODUCTION: 6-12-86
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Pumping
WELL STATUS (Producing or shut-in): Producing
DATE OF TEST: 6-19-86
HOURS TESTED: 24
CHOKE SIZE: --
PROD'N. FOR TEST PERIOD: 113
OIL—BBL.: 113
GAS—MCF.: 97
WATER—BBL.: 22
GAS-OIL RATIO: 858
FLOW. TUBING PRESS.: --
CASING PRESSURE: --
CALCULATED 24-HOUR RATE: 113
OIL—BBL.: 113
GAS—MCF.: 97
WATER—BBL.: 22
OIL GRAVITY-API (CORR.): 36
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold
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: N.M. Young TITLE: Drilling Superintendent DATE: 6-22-86

*(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
Sd & Surf. Rx Red Bed & Sd Anhyd & Salt Salt & Anhyd Dolo & Anhyd Sand & Dolo Dolo & Sand Sand & Dolo Dolo LMST Sand & Dolo Dolo Sand Dolo	Surface 580 750 1600 2000 3750 4200 4400 4850 5150 7200 7600 7800 8500	580 750 1600 2000 3750 4200 4400 4850 5150 7200 7600 7800 8500 TD		Rustler Cowden Yates Bowers Queen Grayburg Bonesprings	587 1635 2018 2853 3102 3592 4838	587 1635 2018 2853 3102 3592 4838