

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COMMISSION
SUBMIT IN DUPLICATE.
(See other instructions on reverse side)

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

c/58

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. RESVR. ☐	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 laws) At surface 1650' FWL & 330 FSL At top prod. interval reported below At total depth Same							
14. PERMIT NO. O.C.D. DATE ISSUED ARTESIA, N.M.							
5. LEASE DESIGNATION AND SERIAL NO.		LC-029389-B					
6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME Hondo 4 Federal							
9. WELL NO. 5							
10. FIELD AND POOL, OR WILDCAT N. Shugart - BS							
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 4 T18S R31E							
12. COUNTY OR PARISH Eddy				13. STATE N.M.			
15. DATE SPUDDED 11-28-86		16. DATE T.D. REACHED 12-16-86		17. DATE COMPL. (Ready to prod.) 1-11-87		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3716 GL	
19. ELEV. CASINGHEAD Same		20. TOTAL DEPTH, MD & TVD 8800		21. PLUG, BACK T.D., MD & TVD 8720		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY All		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8268-8440 BoneSprings		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN DLL w/Micro & CN-D	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)					
Casing Size		Weight, lb./ft.		Depth Set (MD)		Hole Size	
13 3/8		54.5		354		17 1/2	
8 5/8		24.0		2100		11	
5 1/2		17.0		8800		7 7/8	
Cementing Record		Amount Pulled					
385 sks 'c'		circl.					
800 sks filler & 200 tail		end circl					
1150 sks filler & 430 T.E.		T.O.C.-1920					
29. LINER RECORD				30. TUBING RECORD			
Size		Top (MD)		Bottom (MD)		Sacks Cement*	
2 3/8		8532		8178		Packer Set (MD)	
31. PERFORATION RECORD (Interval, size and number) 8268-8440 (10 Holes)				ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
Depth Interval (MD)		Amount and Kind of Material Used					
8268-8440		2750 Gal 7 1/2% SRA					
		Frac w/1000,000 gal Bs 60 &					
		250,000# 20/40					
33.* CARLSBAD, NEW MEXICO							
Date First Production 1-11-87		Production Method (Flowing, gas lift, pumping—size and type of pump) Pumping				Well Status (Producing or shut-in) Producing	
Date of Test 1-13-87		Hours Tested 24		Choke Size 216		Gas—MCF. 200	
Flow. Tubing Press.		Casing Pressure		Calculated 24-Hour Rate 216		Water—BBL. 44	
						Gas—Oil Ratio 926	
						Oil Gravity-API (CORR.) 38	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY Curtis Tolle	
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 1-19-87			

*(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
Red Bed & Surf Rx.	0	650
Anhydrite & Salt	650	2000
Dolo & Sd	2000	3100
Sd & Dolo	3100	4300
Sd	4300	5100
Dolo & Im	5100	7300
ca & Dolo	7300	8800
T.D.		8800

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	635	635
Yates	2036	2036
7 Rivers	2434	2434
Bowers	2884	2884
Penrose	3363	3363
Grayburg	3640	3640
BoneSprings	5100	5100
T.D.	8800	8800

WELL NAME AND NUMBER Hondo "4" Federal #5 ✓

1002

LOCATION Section 4, T18S, R31E, Eddy County, New Mexico
(New Mexico give U.S.T. & R. - Texas give S, BLK, SURV. and TWP)OPERATOR Harvey E. Yates CompanyDRILLING CONTRACTOR MORANCO Drilling, Inc.

RECEIVED BY

JAN 28 1987

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>1/4 175</u>	<u>1 4328</u>	<u>3 1/4 5767</u>	<u>3 1/4 7160</u>
<u>3/4 354</u>	<u>1 3/4 4555</u>	<u>3 3/4 5882</u>	<u>3 7276</u>
<u>1 3/4 811</u>	<u>1 3/4 4638</u>	<u>3 5975</u>	<u>2 3/4 7402</u>
<u>2 1/2 1060</u>	<u>1 4742</u>	<u>3 3/4 6105</u>	<u>2 1/2 7535</u>
<u>2 1/4 1278</u>	<u>1 3/4 4865</u>	<u>3 6221</u>	<u>2 3/4 7713</u>
<u>1 3/4 1676</u>	<u>2 1/2 4959</u>	<u>2 1/2 6350</u>	<u>2 1/2 7867</u>
<u>1/2 2100</u>	<u>1 1/2 5044</u>	<u>2 1/4 6363</u>	<u>1 3/4 8031</u>
<u>3/4 2593</u>	<u>2 3/4 5167</u>	<u>1 1/2 6496</u>	<u>1 1/4 8269</u>
<u>1 3124</u>	<u>2 1/2 5299</u>	<u>2 6651</u>	<u>1 8551</u>
<u>2 1/4 3618</u>	<u>4 5415</u>	<u>2 3/4 6776</u>	<u>1/4 8800</u>
<u>1 1/2 3843</u>	<u>3 5509</u>	<u>2 3/4 6901</u>	
<u>3/4 4088</u>	<u>2 1/4 5633</u>	<u>2 3/4 7027</u>	

Drilling Contractor MORANCO Drilling, Inc.

By

Wiley Gilmore
Wiley Gilmore - Marketing ManagerSubscribed and sworn to before me this 22 day of December 19 86

My Commission expires:

January 30, 1989Susie Branyon
Notary Public Susie Branyon
Lea County, New Mexico