

UNITED STATES OIL COMMISSION
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Artesia, NM 88210

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

457

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 _____
FEB 15 '90

2. NAME OF OPERATOR
Harvey E. Yates Company

3. ADDRESS OF OPERATOR
P.O. Box 1933, Roswell, New Mexico 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2310' FNL & 2310' FEL

At top prod. interval reported below

At total depth same

14. PERMIT NO. 30-015-26258
DATE ISSUED 12/12/89

15. DATE SPUNDED 12/18/89
16. DATE T.D. REACHED 1/10/90
17. DATE COMPL. (Ready to prod.) 1/30/90
18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 3681.0 GL
19. ELEV. CASINGHEAD 3681.0

20. TOTAL DEPTH, MD & TVD 8470
21. PLUG BACK T.D., MD & TVD 8415
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY Rotary
ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
7736-8363 Bone Springs

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL w/Micro & D/N w/GR

29. CASING RECORD (Report all strings set in well)						AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		
13 3/8	54.5	300	17 1/2		325 sks	Circ to surface Circ to surface TOC @ 850'
8 5/8	32	1960	12 1/4		1100 sks	
5 1/2	17	8470	7 7/8		1350 sks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	7491	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
7736-8363 (1 spf-13 holes)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		7736-8363	4000 gals 12-3 SRA + 26 BS
			Frac'd w/10,000 gals Pre-Pad,
			110,000 gals BS-40 + 171,250#
			16/30 Carbolite

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2/1/90		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2/5/90	24 hrs	0	→	139	102	75	734
FLOW, TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	0	→	139	102	75	39	

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

35. LIST OF ATTACHMENTS
Deviation Survey & E-logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED NM Young TITLE Drilling Superintendent DATE 2/6/90

*(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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Rd Bd & Surf Rk	0	500		Rustler	475	475
Salt & Anhy	500	2000		Yates	1900	1900
Dolo & Sand	2000	4050		7 Rivers	2260	2260
Sand	4050	4150		Bowers	2660	2660
Dolo & Lime	4150	7100		Queen	2900	2900
Sand	7100	7400		Penrose	3100	3100
Dolo	7400	7650		Grayburg	3400	3400
Sand	7650	8400		BFSa	3990	3990
Dolo	8400	8470		Delaware	4360	4360
				Bone Springs	4600	4600
				TD	8470	8470

38. GEOLOGIC MARKERS

JAN 17 1990



KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT

DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88202-1498
505/623-5070
ROSWELL, NM
505/746-2719
ARTESIA, NM

RECEIVED

FEB -7 '90

January 15, 1990

C. C. D.
ARTESIA, OFFICE

Heyco, Inc.
P.O. Box 1933
Roswell, N.M. 88202

REF: Arco "5" fed #2

Gentlemen:

The following is a Deviation Survey on the above referenced well located in Eddy County, New Mexico.

300' - 1/2°	4399' - 1 3/4°	5370' - 3°
1378' - 1°	4531' - 2°	5853' - 2°
1960' - 1 1/4°	4769' - 3 3/4°	6351' - 1°
2466' - 1 1/2°	4891' - 3°	6850' - 1 1/2°
2908' - 1 3/4°	5013' - 3°	7449' - 1°
3404' - 1 3/4°	5135' - 3°	7949' - 1 3/4°
3904' - 1 3/4°	5260' - 3°	8470' - 1° TD

Sincerely,

Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 15th day of January 1990 by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992

NOTARY PUBLIC