

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Altesia, NM 88210

SUBMIT IN DUPLICATE

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

LC-029393-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Arco 8 Federal #1

9. API WELL NO.
30-015-27055

10. FIELD AND POOL, OR WILDCAT
Und. Shugart B Sp, North

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 8, T18S, R31E

12. COUNTY OR PARISH
Eddy

13. STATE
N.M.

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 AND TELEPHONE NO.
P.O. Box 1933, Roswell, N.M. 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980' FSL & 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

SEP 24 1992

O.C.D.
ALTESIA OFFICE

15. DATE SPUDDED 7/24/92 16. DATE T.D. REACHED 8/12/92 17. DATE COMPL. (Ready to prod.) 9/14/92 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3675.6' GL 19. ELEV. CASINGHEAD same

20. TOTAL DEPTH, MD & TVD 8620' 21. PLUG, BACK T.D., MD & TVD 8566' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7764-8442' (oa) Bone Spring 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/CDL/CCL/GR; DLL/MLL/GR; CBL/CCL/GR 27. WAS WELL CORDED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8 J55	54.5	350	17 1/2	375; Circ 119 to surf	n/a
8 5/8 J55	32	2100	12 1/4	1300; 1" to surf 290 sks	n/a
5 1/2 J55	17	8620	7 7/8	1800; Circ 57 to surf	n/a

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7680' SN	7680

31. PERFORATION RECORD (Interval, size and number)

7964-8442' (oa)	9 holes-.41
7875-7920' (oa)	20 holes-.41
7822-7853' (oa)	14 holes-.41
7764-7770'	12 holes-.25

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7964-8442 (oa)	3000 gals 10% HCL; 103k g w/156k#
7875-7920 (oa)	5200 gals 20% HCL 20/40
7822-7853 (oa)	natural
7764-7770'	10,000 gals 20% HCL

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
8/26/92		Flowing				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/13/92	14	20/64	→	235	295 est	32	1255
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
220	0	→	402	504 est	55	37.6 deg API	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) WOPL (Conoco) 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 V. Teel V. Teel TITLE Drlg/Prod Analyst DATE 9/14/92

*(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.
Rustler	517	1917	Anhy
Yates	1917	2320	Anhy, Dolo, Sand
7 Rivers	2320	3064	Anhy, Dolo, Sand
Queen	3064	3594	Sand, Dolo
Grayburg	3594	4040	Dolo, Sand
San Andres	4040	4760	Dolo
Delaware	4760	5314	Sand
Bone Spring	5314	TD	LS, Dolo, Sand

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	515	515
Yates	1917	1917
7-Rivers	2320	2320
Queen	3064	3064
Grayburg	3594	3594
San Andres	4040	4040
Dleaware	4760	4760
Bone Spring	5314	5314

RECEIVED

KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT



DRILLING CO. INC. - OIL WELL DRILLING CONTRACTORS

SEP 15 1992

CARLOS
AREA

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

August 17, 1992

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

REF: ARCO "8" FED #1

Gentlemen:

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

350' - 1/4°	3306' - 1 1/2°	5834' - 1°	7413' - 2°
834' - 3/4°	3802' - 3/4°	6083' - 2°	7785' - 2°
1305' - 1°	4207' - 1 1/2°	6207' - 3°	8002' - 2°
1801' - 1°	4637' - 1/4°	6361' - 2 3/4°	8408' - 2 3/4°
2100' - 1°	4995' - 1°	6485' - 1 1/2°	8470' - 1°
2569' - 1 3/4°	5277' - 1 1/2°	6699' - 1 1/2°	8620' - 2 1/4° TD
2811' - 1 1/4°	5525' - 1 1/2°	7009' - 2°	

STATE OF NEW MEXICO)
COUNTY OF CHAVES)


Arnold Newkirk

The foregoing was acknowledged before me this 17th day of August 1992 by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992


NOTARY PUBLIC