Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

P.O. BOX 1980 HOBBS, NEW MEXICO

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM 26884

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Federal AB

2. NAME OF OPERATOR: Cities Service Oil & Gas Corp.

9. WELL NO.: 7

3. ADDRESS OF OPERATOR: P.O. Box 1919 - Midland, Texas 79702

10. FIELD AND POOL, OR WILDCAT: (Bone Mescalero Escarpe Springs)

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 990'FSL & 1980'FEL
At top prod. interval reported below: Same as above
At total depth: Same as above

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 11-T18S-R33E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
30-025-29878		Lea	New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4-15-87	5-02-87	5-07-87	3988'GR	3988'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8950'	8898'		→	0 - T.D. 8950'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8692 - 8755' - Bone Springs

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: CN/ZDL-GR-Cal, DLL/MLL-GR-Cal

27. WAS WELL CORED: No

28. 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"	48#	350'	17-1/2"	300 sacks	Circulated
8-5/8"	24 & 32#	3170'	11"	1300 sacks	Circulated
5-1/2"	15.5 & 17#	8950'	7-7/8"	1500 sacks	TOC @ 3210'

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	8593'	8593'

ACCEPTED FOR RECORD

31. PERFORATION RECORD (*Interval, size and number*)
2 SPF @ 8692, 93, 94, 95, 96, 97, 98, 99, 8700, 01, 02, 03, 07, 09, 13, 14, 15, 18, 19, 20, 23, 24, 25, 27, 28, 29, 32, 35, 36, 37, 38, 39, 44, 45, 46, 51, 53, 54 and 8755'. Total of 78 holes (0.43" dia & 15" pen in Berea)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	None

MAY 12 1987

SJS

CARLSBAD, NEW MEXICO

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5-06-87	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-07-87	24 hrs.	36/64"		395	558	6 (load)	1413

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
100#	Packer					39.9°

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Sold

TEST WITNESSED BY: S. C. Nichols

35. LIST OF ATTACHMENTS: Above listed logs and Deviation Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J. A. Vitrano TITLE Dist. Opr. Mgr. - Prod. DATE 5-08-87

***(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.

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.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1615	
Top of Salt	1725	
Base of Salt	2930	
Yates	3090	
Seven Rivers	3553	
Queen	4286	
Grayburg	4722	
San Andres	5054	
Delaware	5758	
Bone Springs	6826	
2nd Dolomite	8690	
2nd Sand	8882	