

N. M. OIL CONS. COMMISSION
P. O. BOX 1980
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 26884

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal AB

9. WELL NO.

1

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

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

Sec. 10-T18S-R33E

12. COUNTY OR
PARISH
Lea

13. STATE
New Mexico

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

Cities Service Oil and Gas Corporation

3. ADDRESS OF OPERATOR

P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1980'FNL & 660'FEL

At top prod. interval reported below

At total depth

Same as above

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

10-19-84

16. DATE T.D. REACHED

1-17-85

17. DATE COMPL. (Ready to prod.)

5-01-85

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4039'GR

19. ELEV. CASINGHEAD

4039'

20. TOTAL DEPTH, MD & TVD

13,780'

21. PLUG, BACK T.D., MD & TVD

9757'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS
CABLE TOOLS
D-T.D. 13,780'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

8631 - 8685' - Bone Springs

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-LDT-NGT, DLL-MSFL-Cal., BHC Sonic-GR-Cal., Deviation Survey

27. WAS WELL CORED

Yes

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#	356'	17-1/2"	500 sacks	Circulated
9-5/8"	36 & 40#	5300'	12-1/4"	2400 sacks	Circulated
5-1/2"	17#	13779'	7-7/8"	3165 sacks	TOC @ 5750'

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	8736'	---

31. PERFORATION RECORD (Interval, size and number)

2 SPF @ 8631, 32, 33, 38, 42, 47, 48, 52, 55, 58, 59, 60, 64, 67, 72, 76, 78, 81 and 8685'. Total 38 holes (0.43" dia & 15.07"pen)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8631 - 8685'	5000 gals 15% NeFe HCL acid + 20,000 gals 20% CRA acid + 30,000 gals PUR-GEL 30 pad

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4-04-85		Pumping - 2-1/2" x 1-3/4" x 34' - Insert				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS-OIL RATIO
5-01-85	16 hrs.		→	373	175	20(load)	468
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	560	262	30(load)	38.1 ⁰	

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

Vented

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

Elmer Startz

TITLE Reg. Opr. Mgr. - Prod.

DATE 5-02-85

*(See Instructions and Spaces for Additional Data on Reverse Side)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
CORE NO. 1: 8644	- 8682', Cut 38'	Recovered 38'	Dolomite w/Anhydrite inclusions, bleeding oil	Yates	3146'	
CORE NO. 2: 8683	- 8743', Cut 60'	Recovered 59'	being, 10' Dolomite w/Anhydrite nodules w/P.P. & vuggy porosity, 6' Dolomite w/large Anhydrite nodules & little visible porosity, 17'6" dense black Dolomite w/no porosity, 25'6" finely laminated Sandstone	Queen San Andres Mtn. Delaware Mtn. Group Bone Springs 1st Dolomite 1st Sand 2nd Dolomite 2nd Sand 4th Dolomite 3rd Sand Wolfcamp Penn Strawn Atoka Sand Atoka Lime Morrow Chester	4336' 5093' 5738' 6580' 8154' 8235' 8628' 8698' 9395' 9614' 9807' 11645' 12411' 12709' 13040' 13288' 13711'	
DST #1 8649 - 8743' (Bone Springs)	Tool opened w/weak blow increasing to good blow in 5 min., 1.4# in 10 min. and 4.2# in 15 min. on 0.125" bubble hose. Closed tool for 60 min. ISIP. Reopened tool for 60 min. F.F. on 0.125" bubble hose w/good blow increasing to 23# flowing pressure in 27 min. Turned thru test separator on 0.250" choke in 27 min. w/G.T.S. in 36 min., ARO 27.4 MCDF. Gas rate decreased to 10.62 MCDF at end of 60 min. flow period. No fluid to surface. Closed tool for 120 min FSIP. Opened bypass and reversed out. Recovered 10 bbls. heavily gas cut mud and 15 bbls. slightly oil and gas cut mud. No free oil and no water. Sample chamber contained 750 cc oil and 50 cc mud @ 150 psig w/0.750 cu. ft. gas. No water.			T.D.	13780'	
Init Flow Tm						
[SI Time						
[HP						
[SIP						
[FP						
F Time						
[FP						
[SIP						
[HP						
[SI Time						
H Temp						
H Choke						