

N. M. O. C. C. CORP.
UNITED STATES

SUBMIT IN DUPLICATE

(See
struct.
on
reverse side)Form approved.
Budget Bureau No. 42-R3553.DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

LC 028755(a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Citgo. Empire Abo Unit

8. FARM OR LEASE NAME

Tract 1

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

Empire Abo

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

Sec. 35-T17S-R27E

12. COUNTY OR
PARISH

Eddy

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Gas Injection

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

Cities Service Oil Company

3. ADDRESS OF OPERATOR

Box 1919 - Midland, Texas 79701

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

At surface

990' FSL & 1880' FWL of Sec. 35-T17S-R27E, Eddy Co., New Mexico

At top prod. interval reported below

Same as above

At total depth

Same as above

14. PERMIT NO.

DATE ISSUED

JUL 14 1975

O.C.C.

ARTESIA, NEW MEXICO

15. DATE SPUNDED 12-22-74 16. DATE T.D. REACHED 1-9-75 17. DATE COMPL. (Ready to prod.) June 16, 1975 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3626' GR 19. ELEV. CASINGHEAD 3626'

20. TOTAL DEPTH, MD & TVD 5600' 21. PLUG, BACK T.D., MD & TVD 5556' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0'-T.D. 5600' ---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5482' - 5532' - Abo 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron-Formation Density, Borehole Compensated Sonic-Gamma Ray, Dual Laterolog, Proximity Log-Microlog, 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well) Deviation Tests.					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1010'	12-1/4"	535 sacks	Circulated
4-1/2"	10.79#	5600'	7-7/8"	700 sacks	TC @ 2090'

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"	5378'	5378'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1-0.38" hole each @ 5482', 5483', 5484', 5500', 5501', 5502', 5503', 5504', 5505', 5506', 5507', 5508', 5509', 5510', 5511', 5512', 5513', 5514', 5515', 5516', 5517', 5518', 5528', 5529', 5530', 5531', 5532'				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				5482'-5532'	2200 gals 15%, 10,000 gals 20% Unisol, 5000 gals Polyvis III 68 ball sealers.

33.* Injection		PRODUCTION		WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION June 16, 1975		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Injecting @ a rate of 2600 MCFD		G.I.W.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
	Avg. Inj.				
FLOW. TUBING PRESS.	XXSOG PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
	1650#				

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

35. LIST OF ATTACHMENTS

Deviation Tests

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

SIGNED

TITLE

Region Operation Manager

DATE

July 10, 1975

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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		38. GEOLOGIC MARKERS	
FORMATION	TOP	NAME	MEAS. DEPTH TOP TRUE VERT. DEPTH
NO CORES OR DST'S WERE TAKEN		Abo Reef	5492'

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPI
(Other instructions
verse side)TE*
re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 028755(a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL ☐ GAS ☐ OTHER Gas Injection WELL WELL		7. UNIT AGREEMENT NAME Citgo Empire Abo Unit	
2. NAME OF OPERATOR Cities Service Oil Company		8. FARM OR LEASE NAME Tract 1	
3. ADDRESS OF OPERATOR Box 1919 - Midland, Texas 79701		9. WELL NO. 11	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 990' FSL & 1880' FWL of Sec. 35-T17S-R27E, Eddy Co., New Mexico		10. FIELD AND POOL, OR WILDCAT Empire Abo	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35-T17S-R27E	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3626' GR		12. COUNTY OR PARISH Eddy	
		13. STATE New Mexico	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)	☐		☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
(Other) Well completion data	☒		☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

T.D. 5600' Lime PBTD 5556'. Well complete. Drilled and cleaned out to 5556' and spotted 54 gals Acetic acid @ 5538' - 5458'. Perforated the Abo zone w/1-0.38" hole each @ 5482', 5483', 5484', 5500', 5501', 5502', 5503', 5504', 5505', 5506', 5507', 5508', 5509', 5510', 5511', 5512', 5513', 5514', 5515', 5516', 5517', 5518', 5528', 5529', 5530', 5531' and 5532'. Ran 2-3/8" OD tubing with a RTTS tool set @ 5363'. Swabbed load and swabbed dry. Acidized thru Abo Perfs 5482' - 5532' w/2200 gals 15% Unisol + 50 ball sealers. Max. press. 6000# (balled out), min. press. 2000#, average treating press. 4500#, AIR 4.3 B/M, ISIP 2000#, 5 min. SIP 1700#, 30 min. SIP press. 1000#. Swabbed Tr. oil + 80 BLW/24 hrs. and swabbed dry. Reacidized thru Abo Perfs 5482' - 5532' w/3000 gals Polyvis III pad, 10,000 gals 20% Unisol + 18 ball sealers. Overdisplaced w/2000 gals Polyvis III. Max. press. 3900#, min. press. 3500#, AIR 10 B/M, good ball action, ISIP 1750#, 10 min. SIP 1200#, 30 min. press. 850#, 45 min. SIP 300#, 1 hr. SIP zero. Swabbed Tr. oil + 30 BLW/14 hrs. with weak blow of gas after each pull of swab. Released RTTS tool set @ 5363' and pulled tubing. Ran and set 2-3/8" OD plastic coated tubing and a Guiberson Unipacker VI @ 5378'. Circulated hole w/sodium bichromate treated water. Pressure tested annulus to 500# for 15 minutes - Held O.K. Started injecting @ a rate of 2600 MCFD @ 1650# pressure.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Region Operation Manager

DATE

July 10, 1975

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

