

NMOCG COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

copy to SF
Form approved.
Budget Bureau No. 42-R355.5.

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 Company					
3. ADDRESS OF OPERATOR		P.O. Box 1919 Midland, TX 79702					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 660' FSL, 1980' FEL of Section 12, T-21S, R-21E, Eddy County, New Mexico					
At top prod. interval reported below		same as above					
At total depth		same as above					
14. PERMIT NO.		DATE ISSUED OCT 21 1977					
15. DATE SPUDDED		8/12/77					
16. DATE T.D. REACHED		9/15/77					
17. DATE COMPL. (Ready to prod.)		10/10/77					
18. ELEVATION OF RKB, RT, GR, ETC.)*		4477.67' GR					
20. TOTAL DEPTH, MD & TVD		8370'					
21. PLUG, BACK T.D., MD & TVD		8290'					
22. IF MULTIPLE COMPL., HOW MANY*		4477.67' GR					
23. INTERVALS DRILLED BY		ROTARY TOOLS 0-8370					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		8191' - 8200'					
25. WAS DIRECTIONAL SURVEY MADE		No					
26. TYPE ELECTRIC AND OTHER LOGS RUN		Compensated Neutron - Formation Density, Continuous Dipmeter, Cement Bond Log Variable Density, Casing Collar Log and					
27. WAS WELL CORED		No					
28. Perforating Record.		CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
Conductor) 13 3/8"	48	40'	17"	5 yards	None		
3 5/8"	24	1800'	11"	1840 sacks	None		
5 1/2"	15.5 & 17	8317.69'	7 7/8"	625 sacks	None		
29. LINER RECORD		30. TUBING RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	8168.87'	8158.36'
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
2 0.40" holes per foot from 8191'-8200'		DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
		8191'-8200'		3000 gallons of 7 1/2% HCl acid with 1000 SCF N2/bbl. & 2 7/8" RCNC ball sealers			
33.* PRODUCTION		DATE FIRST PRODUCTION 10/2/77					
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		Flowing					
WELL STATUS (Producing or shut-in)		Shut-in					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/10/77	4 hrs	10 1/2" 14 16/64"	→	0.5			1,167,666
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1461#	---	→	C.A.O.F.	3,503	---	55.0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY					
Well is shut in Waiting on Connection							
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 <u>E. J. Pugh</u>		TITLE Region Operation Manager		DATE October 18, 1977			

*(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	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VENT. DEPTH
			No cores or drill stem tests were taken.	Wolfcamp	4640'	
				Canyon	6363'	
				Strawn	7316'	
				Cherokee	7668'	
				Atoka	7770'	
				Morrow	7954'	
				Chester	8244'	