

Form approved.
Budget Bureau No. 42-R355.5.

(See other instructions on reverse side)

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											
Box 1919 Midland, TX 79702											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*											
At surface 330' FNL & 1650' FEL of Sec 28-T19N-R5W, McKinley County, NM											
At top prod. interval reported below same as above											
At total depth same as above											
14. PERMIT NO.					DATE ISSUED						
7. UNIT AGREEMENT NAME											
S. FARM OR LEASE NAME											
FEDERAL "E"											
9. WELL NO.											
1											
10. FIELD AND POOL, OR WILDCAT											
Wildcat											
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA											
Sec 28-T19N-R5W											
12. COUNTY OR PARISH					13. STATE						
McKinley					NM						
15. DATE SPUDDED											
5/15/80											
16. DATE T.D. REACHED											
5/31/80											
17. DATE COMPL. (Ready to prod.)											
6/19/80											
18. ELEVATIONS (DF, REB, RT, GR, ETC.)*											
6701 DF											
19. ELEV. CASINGHEAD											
6687'											
20. TOTAL DEPTH, MD & TVD											
5460											
21. PLUG, BACK T.D., MD & TVD											
5348											
22. IF MULTIPLE COMPL., HOW MANY*											
23. INTERVALS DRILLED BY											
ROTARY TOOLS											
CABLE TOOLS											
10-T.D. 5460											
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*											
5168 - 5173 - TODILTO & ENTRADA											
25. WAS DIRECTIONAL SURVEY MADE											
No											
26. TYPE ELECTRIC AND OTHER LOGS RUN											
GR - Sonic, Dual Induction, FDC-CNL, Dipmeter, Caliper											
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											
8-5/8"											
24#											
205'											
12 1/4"											
200 SX											
5 1/2"											
14#											
5450											
7-7/8"											
1350 SX											
29. LINER RECORD											
30. TUBING RECORD											
Size											
Depth Set (MD)											
Packer Set (MD)											
Size											
Depth Set (MD)											
Packer Set (MD)											
2-7/8"											
5212'											
5160' (SN)											
31. PERFORATION RECORD (Interval, size and number)											
2-0.38" holes each @ 5168, 5169, 5170, 5171, 5172, & 5173.											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
Depth Interval (MD)											
Amount and Kind of Material Used											
5168 - 5173											
152,000 SCF N ₂											
33.* PRODUCTION											
Date First Production											
6/12/80											
Production Method (Flowing, gas lift, pumping—size and type of pump)											
Swabbing											
Well Status (Producing or shut-in)											
Producing or shut-in											
Date of Test											
6/19/80											
Hours Tested											
8 hrs											
Choke Size											
Prod'n. for Test Period											
Oil—BBL.											
5											
Gas—MCF.											
TSTM											
Water—BBL.											
86											
Gas-Oil Ratio											
Flow. Tubing Press.											
Casing Pressure											
Calculated 24-hour Rate											
Oil—BBL.											
18											
Gas—MCF.											
TSTM											
Water—BBL.											
258											
Oil Gravity-API (CORR.)											
33.0											
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)											
TEST WITNESSED BY											
P. Ranson											
35. LIST OF ATTACHMENTS											
Deviation Survey											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED											
TITLE											
Region Oper. Mgr.											
DATE											
6/20/80											

*** (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 VERT. DEPTH
DST #1: 5174 - 5188 (14') Entrada SS 1" BHC. No wtr blanket. Top choke bubble hose. Tool opened w/good blow. Max press 1# at end of 15 min per flow. Tool closed for 60 min ISIP. Tool opened with poor blow. Max press 1# at end of 60 min final flow. Tool closed for 180 min FSIP.				Gallup	2908'	
				Greenhorn ✓	3912'	
				Dakota	4152'	
				Morrison	4278'	
				Todilto	5157'	
				Entrada	5171'	
				Carmel	5394'	
				T.D. 5460'		
Pulled test tools to 1200' - to oil in DP. Dropped bar & opened circ sub. Could not reverse out @ 2200#. Pulled 4 wet std & then came dry. Sample chamber at 5139' contained 1975 cc water (Cl 500) & no gas or oil at 0# press. Recovered 30' of OC drlg mud below circ sub. Drill pipe recovery 90' of 330 gritty oil at 60°F, 30' of OC drlg mud & 1145' of water (Cl 1500). Pit sample 1500 ppm.						
	TOP CHART at 5155	BOTT CHART 5183				
IMCP	2421#	2445#				
15 min IF	185 -	201 - 294#				
60 min ISIP	1796#	1814#				
60 min FP	291 -	308 - 521#				
180 min FSIP	1783#	1836#				
FMCD	2408#	2432#				
BHT	1560 F					