

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY(See other in-
structions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. Las Cruces 029426 (a)	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Injection				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Sinclair Oil & Gas Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1920, Hobbs, New Mexico				8. FARM OR LEASE NAME H. E. West "A"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 900' from north line and 2310' from west line of Sec. 3-T178-R31E, Eddy County., New Mexico At top prod. interval reported below At total depth				9. WELL NO. 13	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson	
15. DATE SPUDDED 10-11-64				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 3-T178-R31E	
16. DATE T.D. REACHED 10-27-64				12. COUNTY OR PARISH Eddy	
17. DATE COMPL. (Ready to _____) 10-31-64 Inj.				13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3700' GR				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 3700'		21. PLUG, BACK T.D., MD & TVD 3695'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 0-3700'		24. Rotary INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Injection Square Lake 3419-3428', Premier 3474-78', 3500-3503', 3513-3517', 3537-3539', 3542-45', Lovington 3671-3686'.		25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron Collar				27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)					
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8" CD		24		555'	
4-1/2"		9.5		3700'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
11"		220 sks, 2% CaCl		NOV 13 1964	
6-3/4"		320 sks, 4% gel		O. C. C.	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
2-3/8"		3385'		3385'	
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2-3/8"		3385'		3385'	
31. PERFORATION RECORD (Interval, size and number)					
2 shots per. ft. 1/2" jet (60 holes) 3419-3428' Square Lake 3474-78', 3500-3503', 3513-17', 3537-39' & 3542-45' Premier 3671-86' Lovington					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
3671-3686'		500 gals. MA			
3474-3545'		650 gals. MA			
3419-3428'		250 gals. MA			
33.* PRODUCTION					
DATE FIRST Injection 10-31-64		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Injection		WELL STATUS (Producing or shut-in) Injecting	
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		TEST WITNESSED BY			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
35. LIST OF ATTACHMENTS Directional Survey					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED [Signature]		TITLE District Superintendent		DATE 11-3-64	

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
<u>Core #1</u> Grayburg	3280'	3307'	Lime and anhydrite	Yates	1943'	1943'
<u>Core #2</u> Grayburg	3307'	3383'	Dolomite and anhydrite	7 Rivers	2222'	2222'
<u>Core #3</u> Grayburg	3383'	3458'	Fractured Dolomite	Queen	2836'	2836'
<u>Core #4</u> Grayburg	3458'	3533'	Dense Dolomite	Grayburg	3271'	3271'
<u>Core #5</u> Grayburg	3533'	3608'	Dense Fractured Dolomite	San Andres	3550'	3550'
<u>Core #6</u> Grayburg	3608'	3683'	Dense Dolomite			
<u>Core #7</u> Grayburg	3683'	3700'	Dolomite and sand			