

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)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 ☐		5. LEASE DESIGNATION AND SERIAL NO. 07 078863	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Sinclair Oil & Gas Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 601 Denver Club Building Denver, Colorado		8. FARM OR LEASE NAME Brune-Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1160' from the South line and 1160' from the West line, Sec. 33-28N-11W, San Juan County, New Mexico At top prod. interval reported below same At total depth same		9. WELL NO. 3	
14. PERMIT NO. P. T. McGrath		DATE ISSUED 8-25-64	
15. DATE SPUDDED 9-18-64		16. DATE T.D. REACHED 9-30-64	
17. DATE COMPL. (Ready to prod.) 10-15-64		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6099 OL	
19. ELEV. CASINGHEAD 6041'		20. TOTAL DEPTH, MD & TVD 6423'	
21. PLUG, BACK T.D., MD & TVD 6587'		22. IF MULTIPLE COMPL., HOW MANY? Single Zone	
23. INTERVALS DRILLED BY 0 - 6623'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Grumerous Sand 6432-6512' Dakota 6512-6623'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electrolog, Densilog, & P. T. C. Correlation & Cement Top Log	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
Casing Size 8-5/8" OD 4-1/2" OD		Weight, LB./FT. 21.8 10.58	
Depth Set (MD) 374' 6621'		Hole Size 12-1/4 7-7/8	
Cementing Record 250 1st Stage 450 ax 2nd Stage 950 ax		Amount Pulled None None	
29. LINER RECORD		30. TUBING RECORD	
Size None		Size 2-3/8"	
Top (MD) None		Depth Set (MD) 6427'	
Bottom (MD) None		Packer Set (MD) None	
Sacks Cement* None		Screen (MD) None	
31. PERFORATION RECORD (Interval, size and number) Dakota 6514-40 & 6515-52' w/2/rt Grumerous 6434-40 w/4/rt		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Depth Interval (MD) 6514-40 & 6515-52 6434-40'	
		Amount and Kind of Material Used 50,000# 84 & 52,000 gal Wtr. 15,000# 84 & 20,000 gal Wtr.	
33. PRODUCTION			
DATE FIRST PRODUCTION 8. 1. Waiting On Conn.		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or Waiting on Connection			
DATE OF TEST 10-15-64		HOURS TESTED 15	
CHOKE SIZE 3/4		PROD'N. FOR TEST PERIOD 0	
OIL—BBL. 0		GAS—MCF. 3975 MCFD	
WATER—BBL. 0		GAS-OIL RATIO None	
FLOW. TUBING PRESS. 250		CASING PRESSURE 925	
CALCULATED 24-HOUR RATE None		OIL—BBL. None	
GAS—MCF. 3975 MCFD		WATER—BBL. None	
OIL GRAVITY-API (CORR.) None			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Company		TEST WITNESSED BY Mr. James E. Taylor	
35. LIST OF ATTACHMENTS 2 each of logs listed in No. 26 5- each of No. 37 Summary of Form Zone			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED [Signature]		TITLE DISTRICT PRODUCTION SUPERINTENDENT	
		DATE 11-4-64	

*(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: "Nacks 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.	38. GEOLOGIC MARKERS	
					NAME	TOP
						MEAS. DEPTH
						TRUE VERT. DEPTH
SEE ATTACHED SHEETS						

SINCLAIR OIL & GAS COMPANY
Krause-Federal No. 3
1160' FSL, 1160' FWL, Section 33-28N-11W
San Juan County, New Mexico

ELEVATION: 5450 grd
SPUD: 9-18-64
COMPLETED: 10-15-64
IP: 3975 NCFGPD, 3/4" choke, SITP (5 hrs) 1625#
CSG: 8-5/8" @ 354' W/250 sx
4-1/2" @ 6621' W/450 sx (1st stage), 950 sx (2nd stage)
2-3/8" @ 6427 in Baker Tubing Sub

LOG TOPS:

Pictured Cliffs	1915	+ 4184
Lewis Shale	2115	+ 3984
Mesaverde	3491	+ 2608
Mancos	4626	+ 1473
Gallup	5522	+ 577
Tocito Sd	5929	+ 170
Sanastee	5975	+ 124
Greenhorn	6335	- 236
Graneros	6395	- 296
Graneros Sd	6432	- 333
Dakota	6512	- 413

LITHOLOGY:

Kirtland-Fruitland	Surface-1915	Interbedded variegated shales and sandstones, some coal.
Pictured Cliffs	1915-2115	Sandstone, gray to grayish-white, salt and pepper, fine to medium grain, well sorted, angular to subrounded becomes shaly toward base.
Lewis Shale	2115-3491	Shale, dark gray, soft. Sandy in part.
Mesaverde formation	3491-4626	Interbedded sandstones and shales with coal beds. Gradational from shale to sand at top and sand to shale at base. Sandstones, light to medium gray, very fine grained, well cemented, laminated with light to dark gray carbonaceous shales. Shale, light to dark gray, carbonaceous.

LITHOLOGY (Continued)

Mancos Shale	4626-5522	Shale, light to dark gray, calcareous, some sandstone and limestone stringers.
Gallup formation	5522-5895	Sandstone and siltstone. Sandstone, gray, dirty, poorly sorted, trashy, fine grain to coarse, Some black carbonaceous shale, fissile in part.
	5895-5929	Shale, light to dark gray.
Tocito Sand	5929-5942	Sandstone, light gray, fine to coarse grain, friable, subangular to subround, some clay fill, looked dirty.
	5942-5975	Shale, light to dark gray, silty.
Sanastee	5975-5995	Sandstone, gray-brown, calcareous, fossiliferous.
	5995-6335	Shale, gray, calcareous, fossiliferous in part.
Greenhorn	6335-6395	Interbedded gray, shaly limestone and gray, limy shales.
Graneros	6395-6432	Shale, gray, dark, micaceous.
	6432-6512	Sandstone, gray, very fine grained, silty in part.
Dakota	6512-6623	Sandstone, white to light gray, fine to medium grained, silty, carbonaceous in part. Some siltstone, brownish, carbonaceous. Some shale, dark gray, coaly.