

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		
b. TYPE OF COMPLETION:		NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☒	Other
2. NAME OF OPERATOR		SINCLAIR OIL & GAS COMPANY					
3. ADDRESS OF OPERATOR		601 Denver Club Building Denver, Colorado					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		990' from the North line and 890' from the East line Sec. 23-26N-18W At top prod. interval reported below At total depth					
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH		13. STATE	
Richard B. Krehl		6-3-64		San Juan		New Mexico	
15. DATE SPUNDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		
6-24-64	10-2-64	10-2-64	5595' GL		None		P&A
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS
9308'	P. & A.	P&A.			0-9308'		None
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) • None Dry Hole P. & A. Plugging Record—Cement plugs set: 35 sz 8950-8830', 31 sz each 7750-7450', 61 sz 6050-5450', 54 sz 5350-4350', 43 sz 4250-3600', 35 sz 3500-2968' in 9-5/8. 10 sz top surface w/DH marker					25. WAS DIRECTIONAL SURVEY MADE		
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-Sonic w/caliper, Induction Electrical Log -Dual Induction Laterolog					27. WAS WELL CORED		
					No		
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENT	RECORD	AMOUNT PULLED	
13-3/8" OD	48#	529'	17-1/4"	500 sz		None	
9-5/8" OD	36#	3562'	12-1/4"	500 sz		None	
29. LINER RECORD				30. CEMENT RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					None	P&A	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
None - P&A				DEPTH INTERVAL (MD)			
				None P&A			
				AMOUNT AND KIND OF MATERIAL USED			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
None		Plugged & Abandoned				Dry Hole P&A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
2 Bach log listed in No. 26 X 5 - (No. 37) Summary of Porous Zones							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE				DATE	
[Signature]		Division Production Superintendent				10-28-64	

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

SINCLAIR NAVAJO TRIBAL NO. 149-1
990' FWL, 890' FWL, Section 23-26N-18W
San Juan County, New Mexico

ELEVATION: 5598 G.L.
COMMENCED DRLG: 6/24/64
COMPLETED DRLG: 10/2/64
PLUGGED AND
ABANDONED: 10/3/64
CASING: 13-3/8" @ 529' W/500 sx
9-5/8" @ 3562' W/500 sx

LOG TOPS:	Mancos	Surface
	Sanastee	1459
	Dakota	2060
	Morrison	2307
	Todilto	3450
	Entrada	3467
	DeChelly	5398
	Organ Rock	6120
	Hermosa	7316
	Ismay	8260
	Nolas	8660
	Mississippian	8757
	Ouray	8888
	Elbert	8930
	McCracken	9098
	Aneth	9159
	Total Depth	9308

LITHOLOGY:

Mancos	Surface to 560	Not logged
	560-1050	Shale, dark gray, silty; with some gray siltstone and very fine grained sandstone.
	1050-1180	Sandstone, white to gray, silty to medium grained, with streaks of coal and gray carbonaceous shale.
	1180-1459	Shale, light to dark gray, silty, partly calcareous, partly carbonaceous, with thin siltstone and sandstone interbeds.
	1459-1490	Sandstone, gray, silty to fine grained, calcareous.
	1490-1555	Siltstone, gray, calcareous, interbedded with shale, dark gray, calcareous, fissile.
	1555-1740	Shale, dark gray, fissile, non-calcareous.

LITHOLOGY (Continued)

Mancos (Continued)	1740-2010	Shale, gray, partly silty, partly calcareous interbedded with siltstone and sandstone, light gray, silty to fine grained, calcareous.
	2010-2060	Shale, dark gray, fissile, partly calcareous.
Dakota	2060-2307	Sandstone, white to gray, angular, silt to medium grained, partly coarse grained near base, interbedded with siltstone, gray, partly calcareous in upper part, and with coal and shale, dark gray, fissile in lower part.
Morrison	2307-2493	Shale, light green, waxy; with thin interbeds of hard orange siltstone and siliceous light green fine grained sandstone.
	2493-2770	Sandstone, white to light greenish gray, subrounded fine to coarse grained, partly clayey and tight, partly friable and porous.
	2770-2970	Sandstone as above interbedded with shale, reddish brown, silty, calcareous, partly grading to siltstone.
	2970-3020	Shale and siltstone as above.
	3020-3300	Sandstone, cream, subangular fine to coarse grained, calcareous, partly friable and porous.
	3300-3415	Shale, brownish red, partly calcareous partly silty.
	3415-3450	Sandstone, speckled light gray, subangular coarse grained, calcareous, friable, porous.
Todilto	3450-3467	Limestone, very light gray, microcrystalline, soft, sandy near base.
Entrada	3467-3560	Sandstone, orange, rounded medium to coarse grained, calcareous friable, porous.
Carmel ?	3560-3596	Siltstone, red to orange, soft, argillaceous, calcareous.
Glen Canyon ?	3596-3670	Sandstone, reddish orange, subangular silt to fine grained, calcareous, friable, partly porous.
	3670-3840	Siltstone as 3560-3596
	3840-3914	Sandstone as 3596-3670 interbedded w/siltstone as above.

LITHOLOGY (Continued)

Chinle ?	3914-4180	Shale, dark brown to purplish black, waxy, fissile, with dense light gray limestone nodules; interbedded with siltstone as above near top.
	4180-4302	Limestone, light brown, very finely crystalline, with white to light brown chert; interbedded with red, brown and green calcareous shales.
	4302-4770	Shale, red, calcareous, with cherty limestones as above (4380-4550), silty to sandy and less calcareous (4550-4770)
	4770-4860	Shale, greenish gray, soft, calcareous, silty
	4860-5004	Shale, lavender and green, silty to sandy, calcareous.
Shinarump	5004-5034	Sandstone, white to gray, subangular medium grained, partly calcareous, tight.
	5034-5100	Shale, olive brown to green, silty, pyritic.
	5100-5126	Sandstone, white to cream, subrounded medium grained to granule, clayey, partly porous.
Moenkopi	5126-5398	Shale-Siltstone mottled yellow brown, purple, orange, silty, calcareous, with limestone, cream, crystalline, (5150-58 and 5295-5385).
DeChelly	5398-6120	Sandstone, orange, subrounded silt-pebbles, poorly sorted, mostly calcareous and tight.
Organ Rock	6120-6480	Siltstone, orange brown, partly arkosic; and shales, varicolored, mostly reddish brown, silty partly calcareous; with thin sandstones, orange brown to speckled cream and red, angular silt to medium grained, slightly arkosic, tight.
	6480-6670	Shale, reddish brown, waxy to silty, calcareous with dense light bluish gray limestone nodules.
	6670-6910	Shale, as above, partly maroon and dark purple with thin interbeds of dense greenish gray limestone.
	6910-7316	Siltstone, reddish brown, calcareous; with some purple & brown shales, limestone nodules and gypsum.

LITHOLOGY (Continued)

Hermosa	7316-7493	Siltstone, orange brown, micaceous, calcareous, partly sandy with limestone, brownish gray, crystalline, silty.
	7493-7635	Limestone as above with sandstone, cream, subangular fine grained, micaceous, very calcareous, tight; and siltstone as above.
	7635-8200	Limestone, cream to gray, microcrystalline, partly with orange chert, fossiliferous partly grading to dense gray dolomite, interbedded with gray and brown calcareous shales and some siltstones and sandstones as above, conglomeratic at base.
	8200-8260	Limestone, white to gray, dense to chalky, fusulinids, with thinly interbedded vari-colored calcareous shales.
Ismay	8260-8402	Shale, dark gray, waxy, partly vari-colored overlying and interbedded with limestone as above.
Pinkerton Trail	8402-8605	Limestone, brownish gray, dense to finely crystalline, Chaetetes and fusulinids in upper half, orange chert in lower half; with interbedded vari-colored calcareous shales.
	8605-8660	Limestone, greenish gray, dense to finely crystalline, silty to sandy, partly with orange chert, with thin interbeds of vari-colored calcareous silty to sandy mudstones.
Molas	8660-8757	Mudstone, greenish gray, reddish brown, maroon, lavender and purple, calcareous, waxy to silty and sandy, grading to siltstone and sandstone.
Mississippian	8757-8888	Limestone, white to cream, micro to medium crystalline partly cherty, partly oolitic, partly chalky, partly porous; with red clay veins and inclusions at top.
Ouray	8888-8930	Limestone, white to brown, dense to medium crystalline, dolomitic grading to dolomite, partly with floating red silt, partly porous.

LITHOLOGY (Continued)

Elbert	8930-9098	Dolomite, white to light brown, dense to medium crystalline, porous and sandy in lower half, partly grading to sandstone, white, subrounded silt to medium grained, dolomitic; interbedded in upper half with shale, green, waxy, fissile.
McCracken	9098-9128	Sandstone as above, partly clear, partly coarse grained, partly porous.
Aneth ?	9128-9159	Shale, dark red mottled and banded with green and violet to dark purple, silty to sandy.
	9159-9222	Dolomite, white, pink, lavender and brown, dense to medium crystalline, partly argillaceous, porous at base.
	9222-9241	Shale, dark gray to purplish black overlying sandstone, light gray, subangular fine grained, dolomitic, tight.
	9241-9308	Dolomite, light to dark brown, fine to medium crystalline, partly with stained porosity; interbedded in lower half with silty purple to black shale and soft bluish gray shale.

T.D.