



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.
SP-078286 Comm. #SN-448

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wood MN Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 21-28N-10W

12. COUNTY OR PARISH

13. STATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Sinclair Oil & Gas Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Bldg., Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

Unit Letter "B" 1100' f/West & 1400' f/East lines of Section 21

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

Mr. P. J. McGrath 8-7-68

15. DATE SPUNDED

5-10-68

16. DATE T.D. REACHED

8-22-68

17. DATE COMPL. (Ready to prod.)

6-18-68

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5576' GL, ungraded

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6467'

21. PLUG BACK T.D., MD & TVD

6426'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0' to 70'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6289' to 6407' Dakota

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Density & Induction Electrol.

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	AMOUNT PULLED
8-5/8" OD	24.2	504' 55"	12-1/4"	280 BX Class "A", 25 CAC1.	None
4-1/2" OD	18.55	6467' 00"	7-7/8"	1200 BX Class "C", 30 to 65% Poz in 3 stages.	None

29. LINER RECORD*

SIZE	TOP (MD)	BOTTOM (MD)	PACKER CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-5/8"	6289'	

31. PERFORATION RECORD (Interval, size and number)

Perf f/6400-07', 6359-95', 6347-55' & 6289-6315' w/2 holes/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH-INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
6347-6407 overall w/800 gal 15% HCL, 20,000 20-40 sd, 40,000 gal 1% KCL wtr. 6289-6315' 500 gal 15% HCL, 30,000 20-40 sd, 15,000 10-20 sd & 55,000 gal 1% KCL wtr.

33.*

PRODUCTION 1% KCL wtr.

DATE FIRST PRODUCTION

Shut-In

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or shut-in)

Shut-In

DATE OF TEST

6-18-68

HOURS TESTED

24

CHOKE SIZE

3/4"

PROD'N. HOR TEST PERIOD

57 →

OIL—BBL.

0

GAS—MCF.

2100

WATER—BBL.

0

GAS-OIL RATIO

FLOW. TUBING PRESS.

1200

CASING PRESSURE

495

CALCULATED 24-HOUR RATE

→

67—BBL.

0

GAS—MCF.

2100

WATER—BBL.

0

OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold to El Paso Natural Gas Company

TEST WITNESSED BY

Mr. J. E. Taylor

35. LIST OF ATTACHMENTS

Two Each of #26.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

M. E. Brown
(M. E. Brown)

TITLE

Chief Office Clerk

DATE

July 1, 1968

(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. 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 36.

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	
Kirtland-Strutland Surf		1000'	0 to 800 - Sandstone, massive w/ thin shales. 800-1000 - Shale & siltstone w/ numerous thin sandstone beds.	Pictured Cliffs	1000'		
Pictured Cliffs	1000'	1900'	Sandstone, gr. to white, med to fl. gr. porous, shaly toward base.	Lewis Shale	1900'		
Lewis Shale	1900'	3026'	Shale, dk gr., soft, some thick silty & sandy zones.	Manosque	3026'		
Manosque	3026'	4506'	Interbedded sands & shales w/ low coal beds. Sands are lt to med gr. fl to med gr.	Callup	4506'		
Manosque	4506'	5302'	Shale, lt to dk gr., calcareous w/ some silty streaks.	Greenhorn	5302'		
Callup	5302'	6132'	Siltstone, silty sandstone & thick black carbonaceous shales.	Graneros	6132'		
Greenhorn	6132'	6190'	Limestone, shaly, gr. w/ clay shales.	Dakota	6190'		
Graneros	6190'	6204'	Shale, gr., silty. Sandstone v. fl. gr. to silty in basal part.	Total Depth	6204'		
Dakota	6204'	6467'	Sandstone, w/ silty & shaly zones to 6410'. Sandstone is white to gr. fl to med gr. from 6410 to 7th. Siltstone & Shale v. carbonaceous.		6467'		

