

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.

5. LEASE DESIGNATION AND SERIAL NO.

N.M. 055078

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL HELMS

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT
BASIN DAKOTA & BLANCO11. SECTION, TOWNSHIP AND RANGE
OR AREA
MEZAVARDESEC. 22, T-30-N, R-10-W
N.M.P.M.

12. COUNTY OR

PARISH

SAN JUAN

13. STATE

NEW MEXICO

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

SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 808, FARMINGTON, NEW MEXICO

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

At surface 1800 FT. FROM SOUTH LINE AND 1695 FT. FROM THE WEST LINE

At top prod. interval reported below SAME AS ABOVE

At total depth SAME AS ABOVE

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

11/4/64

16. DATE T.D. REACHED

11/18/64

17. DATE COMPL. (Ready to prod.)

12/8/64

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

6272 D.F.

19. ELEV. CASINGHEAD

6260

20. TOTAL DEPTH, MD & TVD

7460 M.D.T.V.D. 7425 MD&TVD

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

22. IF MULTIPLE COMPL.,

HOW MANY*

2

23. INTERVALS

ROTARY TOOLS

CABLE TOOLS

0-7460

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

4508 - 5238 MEZAVARDE
7207 - 7417 DAKOTA25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GAMMA RAY NEUTRON, CORRELATION, CEMENT BOND LOG

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.75#	297 FT.	15"	275 SK.	
7-5/8"	26.40#	3093 FT.	9-7/8"	150 SK. AND 200 BBL. KEN-PAC	
5"	15.00#	7460 FT.	6-3/4"	1050 CUBIC FEET.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	5187	
					1-1/2"	7010	6990

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7207 - 7417	FRAC W/90,000# SAND AND 99,110 GAL. WATER & 40 TONS CO ₂
4508 - 5238	FRAC W/93,000# SAND AND 70,700 GAL WATER & 48 TONS CO ₂

33.*

DATE FIRST PRODUCTION

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

WELL STATUS (Producing or shut-in)

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD'N. FOR TEST PERIOD

OIL—BBL.

GAS—MCF.

WATER—BBL.

GAS-OIL RATIO

1/6/65

3

3/4"

→

330 (DAKOTA)

342 (MEZAVARDE)

FLOWING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

2638 (DAKOTA)

2737 (MEZAVARDE)

OIL GRAVITY-API (CORR.)

213

225

→

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

VENTED

TEST WITNESSED BY

VERNE ROCKWOLD

35. LIST OF ATTACHMENTS

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

SIGNED

Gilbert D. Noland, Jr.

TITLE

DRILLING SUPERINTENDENT

DATE

JANUARY 20, 1965

*(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
DAKOTA PERFORATIONS:	1 SHOT/FT. 7207-7225, 7268-7272, 7279-7287, 7299-7329, 7351-7395, 7365-7370, 7372-7376, 7391-7398, 7405-7417.			WABATCH	SUNF.	
	PERF. HOLE SIZE 0.484"			KIRTLAND	1660	
MEGAVENDE PERFORATIONS:	1 SHOT/FT. 4508-4525, 4531-4535, 4539-4546, 4564 4583, 4601-4607, 4610-4614, 4618-4622, 4628-4636, 5129-5135, 5139-5148, 5153-5160, 5164-5182, 5188-5192, 5195-5200, 5220-5224, 5230-5238. PERF HOLE SIZE 0.484"			FRUITLAND	2640	
				PICTURED CLIFFS	2740	
				LEWIS	3040	
				MEGAVENDE	4507	
				MANGOS	5350	
				DAKOTA	7208	