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(REV. 5-55)
DEC 14 1967
OIL CON. COM.
DIST. 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B355.5.

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: **Southern Union Production Company**
3. ADDRESS OF OPERATOR: **P. O. Box 808, Farmington, New Mexico 87401**
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface **790 ft. from the South line & 915 ft. from the West line.**
At top prod. interval reported below **Same as above.**
At total depth **Same as above.**

5. LEASE DESIGNATION AND SERIAL NO.: **SP 070431**
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: **Nickson**
9. WELL NO.: **13**
10. FIELD AND POOL, OR WILDCAT: **North Dakota**
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: **Sec. 26, T-26N, R-6W, N.M.P.M.**
12. COUNTY OR PARISH: **Santa Fe**
13. STATE: **New Mexico**
14. PERMIT NO.:
DATE ISSUED:
15. DATE SPUNDED: **10/25/67**
16. DATE T.D. REACHED: **11/11/67**
17. DATE COMPL. (Ready to prod.): **11/25/67**
18. ELEVATIONS (DF, REB, RT, GR, ETC.): **6951 ft. R.K.B.**
19. ELEV. CASINGHEAD: **6940 ft.**
20. TOTAL DEPTH, MD & TVD: **7300 MD & TVD**
21. PLUG, BACK T.D., MD & TVD: **7201 MD & TVD**
22. IF MULTIPLE COMPL., HOW MANY?:
23. INTERVALS DRILLED BY: **6-7300**
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: **7048-7271 Dakota MD & TVD**
25. WAS DIRECTIONAL SURVEY MADE: **No**
26. TYPE ELECTRIC AND OTHER LOGS RUN: **E. S. Induction, Density, Gamma Ray Correlation, Cement Bond**
27. WAS WELL CORED: **No**

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"	24.00	406 ft.	12-1/4"	250 sacks of regular	None
4-1/2"	10.50	7299 ft.	7-7/8"	1st stage w/700 cu. ft.	None
class "C".	2nd stage w/950 cu. ft.	class "C".	3rd stage w/1200 cu. ft.	class "C".	Stage
collars at	2912 ft. and 5312 ft.				

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/2" BUE	7155 ft.	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1 shot/ft. 7208-7225, 7230-7271,		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2 shots/ft. 7048-7056, 7110-7124		7208-7271	70,000# sand, 1000# glass beads, & 90,360 gal. 1 1/2 KGL water.
		7048-7124	30,000# sand, 1,000# glass beads, & 31,880 gal. 1 1/2 KGL water.

33.* PRODUCTION
DATE FIRST PRODUCTION:
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump):
WELL STATUS (Producing or shut-in): **Shut-in**
DATE OF TEST: **12/7/67**
HOURS TESTED: **3**
CHOKE SIZE: **3/4"**
PROD'N. FOR TEST PERIOD: **371**
OIL—BBL.:
GAS—MCF.:
WATER—BBL.:
GAS-OIL RATIO:
FLOW. TUBING PRESS.: **240**
CASING PRESSURE: **937**
CALCULATED 24-HOUR RATE: **2,971**
OIL—BBL.:
GAS—MCF.:
WATER—BBL.:
OIL GRAVITY-API (CORR.):
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): **Vented**
TEST WITNESSED BY: **Kenneth L. Haddy**
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: **November 29, 1967**
SIGNED: **Gilbert D. Noland, Jr.** TITLE: DATE:

*(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 83, 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	TEST VERT. DEPTH
				Pictured Cliffs	6690	
				Cliff House	6245	
				Fedint. Lignite	6976	
				Gallup	6090	
				Base Greenhorn	7010	
				Dakota	7048	

