

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions 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 OCT 09 1984

2. NAME OF OPERATOR

Southern Union Exploration Company

3. ADDRESS OF OPERATOR

P.O. BOX 2179, Farmington, NM 87401

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

At surface Unit M: 1040' FWL & 1100' FSL

At top prod. interval reported below 1040' FWL & 1100' FSL, Unit M

At total depth 1040' FWL & 1100' FSL, Unit M

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

8-7-84

16. DATE T.D. REACHED

8-22-84

17. DATE COMPL. (Ready to prod.)

9-6-84

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

6637', GR

19. ELEV. CASINGHEAD

6638'

20. TOTAL DEPTH, MD & TVD

7444'

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

7405'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-7444'

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

Dakota: Lower Zone; 7347-7291

Upper Zone; 7219-7154

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction: 7436-350'

CNL-FDC: intervals 7430'-2900'

CBL: 7391'-7100'

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	32.0#	356'	12 1/2	295 cuft C1 B, 2% CaCl ₂	
4 1/2	11.6, 10.5#	7444'	7 7/8	290 cuft 50/50 poz, 2% gel, 8#/sk salt	
				400 cuft 65/35 poz, 6% gel, 6 1/2#/sk gilsonite	
				59 cuft C1 B, 445 cuft 65/35 poz, 6% gel, 6 1/2#/sk gilsonite	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 1/16,	I.J. 7354'	

31. PERFORATION RECORD (Interval, size and number)

1 jspf: 7347-37, 7327-21, 7304-01, 7297-91. (26 Holes)

1 jspf: (23 holes): 7219-14, 7202-00, 7190-86, 7180-78, 7168-64, 7160-54.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Lower Dakota: 7347-7291	1000 gal 15% HCL. Frac'd w/ 44,000 gal 30# Mini Max gel & 70,000 lb 20/40
Upper Dakota: 7219-7154	1000 gal 15% HCL. Frac'd w/ 36,000 gal 30# Mini Max 3 & 58,000 lb. 20/40

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-2-84		Flowing				SI, WOPLC	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-19-84	3 hrs	3/4"	————→	----	427	----	-----
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
250	760	————→	----	3413	-----	-----	

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

vented

TEST WITNESSED BY

Gary Hudgins

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

Latherine J. Folk

TITLE

Geologist

DATE 9-28-84

*(See Instructions and Spaces for Additional Data on Reverse Side)

ACCEPTED FOR RECORD
OCT 03 1984
FARMINGTON RESOURCE AREA
RV

NMOC

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 33.

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
Fruitland	2850	2930	Coal: water, gas	Kirtland	2560	
Pictured Cliffs	2930	3004	Sand: water, gas	Fruitland	2850	
Chacra	3820	3860	Sand: gas	Pictured Cliffs	2930	
Cliffhouse	4610	5160	Sand: gas	Lewis	3004	
Point Lookout	5160	5378	Sand: gas	Chacra	3820	
Dakota	7153	7408	Sand: gas, some oil	Cliffhouse	4610	
				Point Lookout	5160	
				Mancos	5378	
				Gallup	6288	
				Greenhorn	7072	
				Graneros	7132	
				Dakota	7153	
				Burro Canyon	7408	