

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 41-7355.6.

5. LEASE DESIGNATION AND SERIAL NO.
NM-12235

6. IF INDIAN, ALIOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Southland

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA
EAW Fruitland/Pic. Cliffs

Sec. 9, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

19. ELEV. CASINGHEAD

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 DEEPEN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR

J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

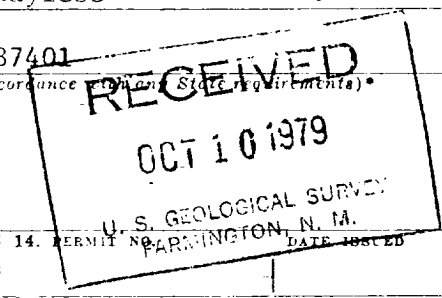
P.O. Box 507, Farmington, NM 87401

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

At surface 790 FNL & 790 FEL

At top prod. interval reported below same

At total depth same



15. DATE SPUNDED

09-01-79

16. DATE T.D. REACHED

09-06-79

17. DATE COMPL. (Ready to prod.)

09-24-79

18. ELEVATIONS (DP, RSB, RT, GR, ETC.)*

6253 ft. GR

20. TOTAL DEPTH, MD & TVD

1465 ft.

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

1420

22. IF MULTIPLE COMPL., HOW MANY*

→

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0-ID

CABLE TOOLS

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

Pictured Cliffs: 1360-70 ft.

Fruitland: 1320-24 ft.

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES Induction, Compensated Neutron & Density

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
7"	23 lb./ft.	97 ft.	9-3/4"	35 sacks 3% CACL ₂	
2-7/8"	6.5 lb./ft.	1449 ft.	5"	100 sacks Class "H" 2% D-79	
				50 sacks Class "H"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	1380'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

1360-70': .430" - 20 holes

1320-24': .430" - 8 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1360-70	Frac 15,000# 20/40 sand, 120 bbl. H ₂ O 1% KCL, 115,000 SCF N ₂ .
1320-24	Acid 500 gal. 15% HCL; Frac 2500# 20/40 sand, 91.5 bbl. slick water

33.* PRODUCTION

DATE FIRST PRODUCTION

09-24-79

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

Flowing

WELL STATUS (Producing or shut-in)

Shut-in

DATE OF TEST

09-24-79

HOURS TESTED

3

CHOKE SIZE

3/4"

PROD'N. FOR TEST PERIOD

→

OIL—BBL.

205 MCF/D

GAS—MCF.

2 bbl/D

WATER—BBL.

2 bbl/D

GAS-OIL RATIO

→

FLOW. TUBING PRESS.

16 PSIG

CASING PRESSURE

→

CALCULATED 24-HOUR RATE

→

OIL—BBL.

205 MCF/D

GAS—MCF.

2 bbl./D

WATER—BBL.

2 bbl./D

OIL GRAVITY-API (CORR.)

→

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

vented

TEST WITNESSED BY

Steven Dunn

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 Steven Dunn TITLE Engineer DATE October 8, 1979

*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Fruitland	1320	1324	Natural Gas, Salt Water	Ojo Alamo	---	
Pic. Cliffs	1360	1370	Natural Gas, Salt Water	Kirtland Fruitland Pic. Cliffs	230' 1030' 1349'	

37. SUMMARY OF POROUS ZONES:
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING
 38. GEOLGIC MARKERS
 DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES