Form 9-330
(Rev. 5-63)

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

2. NAME OF OPERATOR: OLEN F. FEATHERSTONE II TRUST

3. ADDRESS OF OPERATOR: 236 Petroleum Building, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: Sec. 27, T7S, R35E, 1650' FNL & 990' FEL, Roosevelt County, New Mexico
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: Federal H-27: NM 016663

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME: Federal H-27

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Todd-San Andres

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 27-T7S, R-35E 1650 FNL 990 FEL

12. COUNTY OR PARISH: Roosevelt

13. STATE: NEW MEXICO

14. PERMIT NO. / DATE ISSUED

15. DATE SPUDDED: 11-28-64

16. DATE T.D. REACHED: 12-9-64

17. DATE COMPL. (Ready to prod.): 12-18-64

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 4199 KB, 4198DF, 4191GR

19. ELEV. CASINGHEAD: 4192'

20. TOTAL DEPTH, MD & TVD: 4260' MD

21. PLUG, BACK T.D., MD & TVD: 4257' MD fr. KB

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY → ROTARY TOOLS: Sur. to 4260' (TD) CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 4080' to 4224' (Top Pay Zone to Bottom Perf.)
Pay Zone is Slaughter Zone of San Andres

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma-Ray: Acoustic: Laterolog (PGAC)

27. WAS WELL CORED: YES

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" new	20#	234' fr. GR	11"	150 sx Reg. w/2% $CaCl_2$ Cir	None
4-1/2" new	9.5#	4257' fr.KB	7-7/8"	150 sx Prem.w/2% $CaCl_2$	None
				(Cementing By Dowell)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
NONE				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	4044'	4044'

31. PERFORATION RECORD (Interval, size and number)
One .45" jet sh/ft at: 4088', 4109', 4150', 4158', 4196', 4204', 4209', 4212', 4214', 4220' & 4224'.
(11 Holes in 136' Interval)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Pkr @ 4044' TD 4249' Perfs 4088' to 4224'	2000 gals DS-30 acid w/22 ball sealers. Max. Pressure 3800# Min. Pressure 1000#.

33.* PRODUCTION

DATE FIRST PRODUCTION: Shut-In awaiting connection

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

WELL STATUS (Producing or shut-in): Shut-In: awaiting connection

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/6/65					CAOF Pot. 10,200 MCFPD	None	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1065 psig (Shut-In)				10,200 MCFPD		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Contract for sale executed with Capitan Petroleums Inc., Bluitt Gasoline Plant; awaiting connection

TEST WITNESSED BY: Howard Rickey & Rex Alcorn: Cond. by W.T. Smith

35. LIST OF ATTACHMENTS: 2 cc GR-Acoustic & LL, 2 cc core analyses. Three cc of Multi-Point Back Pressure Tests previously forwarded to NMOCC by W.T. Smith, Tester

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

SIGNED: Rex Alcorn TITLE: GEOLOGIST DATE: 1/13/65

*(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.
Slaughter Zone of San Andres	4080	4260'(TD)	(Refer to attached Core Descriptions)

NOTE: Multi-Point Back Pressure Tests conducted by W.T. Smith, Independent Gas Tester, Hobbs, New Mexico. Three (3) copies of results of these tests previously submitted to NM-OCC Office in Hobbs, N.M.

Connection to Capitan Petroleums, Inc. sales line should be made on or before 1/15/65.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Elev. 4199' (KB)		
Rustler Any	2002 (+2197)	
Yates	2308 (+1891)	
San Andres	3437 (+ 762)	
Slaughter Pay	4080 (+119)	
Top Perf	4088 (+111)	
Bottom Perf	4224 (-25)	
Total Depth	4260 (-61)	Drlr.
Total Depth	4258 (-59)	PGAC

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

Featherstone Trust #1 Federal H-27
Sec. 27-7S-35E
Todd-San Andres

Core No. 1: 4100 to 4150' (50') Recovered 50' as follows:

4100-4125	25'	Anhydritic dolomite with pinpoint porosity 4104' to 4110', 4113' to 4114.5' and 4119' to 4123.5', bleeding oil and water from scattered short intervals. A few hairline tight fractures.
4124-4128	3'	Anhydrite
4128-4132	4'	Tight anhydritic dolomite, no porosity, N/S
4132-4138	6'	Anhydrite
4138-4150	12'	Anhydritic dolomite with pinpoint porosity and scattered tight hairline fractures bleeding water and small amount of oil from scattered short intervals.

Core No. 2: 4150' to 4201' (51') Recovered 51' as follows:

4150-4165.5	15.5'	Hard, medium-grained anhydritic dolomite with pinpoint porosity and scattered inclusions of anhydrite, bleeding water. A few scattered hairline fractures. Interval from 4154.5 to 4155.5 (1') very anhydritic and tight.
4165.5-4171.5	6'	Tight anhydritic dolomite with numerous inclusions of dolomite. Interval from 4167.5 to 4169.0' is anhydrite.
4171.5-4178.5	7'	Anhydritic dolomite with pinpoint porosity and scattered hairline fractures bleeding water. Large inclusions of anhydrite (up to 5") in interval 4171.5' to 4177.0'.
4178.5-4190.0	11.5'	Anhydrite, dolomitic, N/S. (This is marker bed.)
4190-4195	5'	Very anhydritic dolomite, tight, N/S.
4195-4201	6'	Dolomite with pinpoint porosity bleeding water. Interval 4196.0' to 4196.5' and 4200.5' to 4201.0' bleeding oil.

Core No. 3: 4201-4226 (25') Recovered 25 feet as follows:

4201-4207.5	6.5'	Anhydritic dolomite with scattered pinpoint porosity bleeding oil 4203-4204.
4207.5-4215	7.5'	Dolomite with scattered pinpoint and vuggy porosity. This interval is broken, very broken and fractured at 4212-4215.

Core No. 3 (continued)

4215-4217	2.0'	Hard dense anhydritic dolomite (1" streak of pinpoint porosity at 4216').
4217-4223.5	6.5'	Anhydritic dolomite with pin-point and vuggy porosity. Vugs range from 1/8" to 3/4" and occur uniformly throughout this interval. Core is parted along vertical fracture at 4219 to 4220. Slight bleeding of oil.
4223.5-4226	2.5'	Hard anhydritic dolomite with scattered pinpoint and small vuggy porosity bleeding oil.