

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.

5. LEASE DESIGNATION AND SERIAL NO.

NM-20932

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

STEWART FEDERAL

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

UNDESIGNATED-ABO

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC. 1, T8S, R24E

12. COUNTY OR PARISH

CHAVES

13. STATE

NEW MEXICO

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

MESA PETROLEUM CO.

OIL & GAS

U.S. GEOLOGICAL SURVEY

ROSWELL, NEW MEXICO

RECEIVED

3. ADDRESS OF OPERATOR

1000 VAUGHN BLDG./MIDLAND, TEXAS 79701-4493

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

At surface

1980' FNL & 660' FEL

At top prod. interval reported below

SAME

At total depth

SAME

14. PERMIT NO.

ARTESIA OFFICE

9-23-81

15. DATE SPUDDED

9-26-81

16. DATE T.D. REACHED

10-4-81

17. DATE COMPL. (Ready to prod.)

10-29-81

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

3745.6' GR

19. ELEV. CASINGHEAD

3745'

20. TOTAL DEPTH, MD & TVD

3850'

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

3807'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

ALL

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

3514'---3790', ABO

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-CLL/GR-CNL-FDC27. 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
13 3/8"	48#	756'	17 1/2"	800 HLW/300 THIXSET/200"	C"/1710 THIXSET
8 5/8"	24#	1669'	11"	725 HLW/300 THIXSET/300"	C"
4 1/2"	10.5#	3835'	7 7/8"	600 HLW/450 "C"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	3424'	-

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3514', 3627', 29', 33', 38.5', 3781', 84', 86', 88', 90'; total of 20 holes
3 1/8" casing gun 2 JSPF @ 180° phase

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3781---3790	A/1500 gal 7 1/2% HCL+20BS
3514---3638.5	A/1500 gal 7 1/2% HCL+15BS
3514---3790	F/51,000 Apollo 30+CO ₂ + 150,000# 20-40 + 33,000# 10-20 sd

33.*

PRODUCTION

DATE FIRST PRODUCTION

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

WELL STATUS (Producing or shut-in)

FLOWING

SHUT-IN

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-29-81	4	19/64	→	-	313	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
900	830	→	-	-	-	-	-

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

VENTED

ACCEPTED FOR RECORD
ROGER A. CHAPMAN

TEST WITNESSED BY

E.L. BUTTROSS, JR.

35. LIST OF ATTACHMENTS

C122, RECORD OF INCLINATION

DEC 14 1981

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

SIGNED

R. E. Vash

TITLE

U.S. GEOLOGICAL SURVEY
REGULATORY COORDINATOR
ROSWELL, NEW MEXICO

DATE 11-10-81

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

XC: USGS, (6), TLS, CEN RCDS, ACCTG, MEC, PARTNERS, FILE, D&M, MTS (3), EEB, LMC, CTY, LAND, REM, ROSWELL

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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
NOT LOGGED				SAN ANDRES	437'	
				GLORIETA	1151'	
				YESO	1342'	
				TUBB	2782'	
				ABO	3466'	

MESA PETROLEUM CO.
STEWART FEDERAL #2
1980' FNL & 660' FEL, SEC 1, T8S, R24E
CHAVES COUNTY, NEW MEXICO

RECORD OF INCLINATION

<u>(Depth)</u>	<u>(Deviation)</u>
515'	1/4°
739'	1°
1270'	1 1/4°
1672'	1 1/2°
2800'	1 1/2°
3825'	1 3/4°



BY: R.E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 10th day of November, 1981.



Notary Public in and for Midland County,
Texas.

Commission Expires: 6-26-85

