

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other
strings on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-15863

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

JAN 6 1982

7. UNIT AGREEMENT NAME

O. C. D.

8. FARM OR LEASE NAME

ARTESIA, OFFICE
COTTONWOOD 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. 26, T6S, R25E

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.

3. ADDRESS OF OPERATOR

1000 Vaughn Building/ Midland, Texas 79701-4193

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.

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

10-2-81

15. DATE SPUDDED

10-19-81

16. DATE T.D. REACHED

10-30-81

17. DATE COMPL. (Ready to prod.)

11-25-81

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

3770' GR

19. ELEV. CASINGHEAD

3770'

20. TOTAL DEPTH, MD & TVD

4300'

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

4113'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

all

CABLE TOOLS

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

3723'---3990.5', ABO

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CLL/GR-CNC-FDC

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
13 3/8"	48#	842'	12 1/2"	850 HLW/300 Thixset/200	"c"/1750 Thixset
8 5/8"	24#	1550'	11"	800 HLW/300 Thixset/300	"c"
4 1/2"	10.5#	4172'	7 7/8"	500 HLW/500 "c"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	3619'	

31. PERFORATION RECORD (Interval, size and number)

3723', 3751.5', 3754', 3757', 3894.5'
3898.5', 3975', 3976, 3981' -85', 88,
90.5
total of 15 holes 1 JSPF 31/8" csg gun

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3975'---3990.5'	A/1500 gal 7 1/2% + 20 BS
3727'---3898.5'	A/1000 gal 7 1/2% + 15 BS
3723'---3990.5'	F/30,000gal X-Linked Gel + 15,000 gal CO2 + 133,500# 20/40 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	
11-25-81	4	-	→	--	272	--	--	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
720	738	→	--	1090	--	--		

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

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

SIGNED

R. E. Markes

TITLE

REGULATORY COORDINATOR

U.S. GEOLOGICAL SURVEY

DATE

12-23-81

*(See Instructions and SPECIFICATIONS 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:			38. GEOLOGIC MARKERS	
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	NAME	MEAS. DEPTH
			TOP	
			TRUE VERT. DEPTH	
	NOT LOGGED		San Andres Glorieta Yeso Tubb ABO	789' 1478' 1788' 3024' 3674'

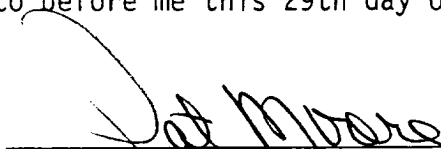
MESA PETROLEUM CO.
COTTONWOOD FEDERAL #2
1980' FNL & 660' FEL, SEC 26, T6S, R2SE
CHAVES COUNTY, NEW MEXICO

RECORD OF INCLINATION

<u>(DEPTH)</u>	<u>(DEVIATIONS)</u>
517'	1°
868'	1 1/2°
1368'	1°
1550'	1 3/4°
2027'	1 3/4°
2400'	1°
3014'	1°
3547'	1°
4012'	3/4°
4300'	1°


BY: R. E. MATHIS, REGULATORY COORDINATOR

Subscribed and sworn to before me this 29th day of December, 1981.


Notary Public in and for Midland County,
Texas.

Commission Expires: June 26, 1985