

**N.M.O.C.D. COPY**  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM 6019

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Runyan Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

~~Runyan~~ Runyan

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

Sec 18, T19S, R23E

12. COUNTY OR PARISH

Eddy

13. STATE

N. Mexico

**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

Mesa Petroleum Co

3. ADDRESS OF OPERATOR

1000 Vaughn Building / Midland, Texas 79701

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.

O.C.C.  
ARTESIA, OFFICE  
OCT 31 1979  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO  
6-13-79

15. DATE SPUDDED

6-22-79

16. DATE T.D. REACHED

7-30-79

17. DATE COMPL. (Ready to prod.)

9-12-79

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

4081.2 GR

19. ELEV. CASINGHEAD

4081

20. TOTAL DEPTH, MD & TVD

7796'

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

7704

22. IF MULTIPLE COMPL., HOW MANY\*

Single

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

A11

CABLE TOOLS

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

7682' - 7693' Morrow

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL-MSFL, CNFD, GR-CCL-CBL

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	54.50	253'	17-1/2"	275 sx "C" + 2% cc	-
8-5/8	24	1694'	12-1/4"	200 sx Thix-set, 175 sx HLW	+ -
				200 sx "C"	
5-1/2"	15.5 & 17	7790'	7-7/8"	1450 sx 50-50 poz, 300 sx "H"	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	7626	7614.10

31. PERFORATION RECORD (Interval, size and number)

7682'-7693', 0.53 entry, 12 holes  
Morrow

4531'---4594', 0.52 entry, 23 holes  
Abo

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7682-7693	A/2000 gals 7-1/2% MS + N <sub>2</sub>
4531---4594'	A/3000 gals 15% NE/FE + N <sub>2</sub>
4531---4594'	F/60,000 gals versagel + 64,750# of 20-40 mesh sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-11-79		Flowing				SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-19-79	4	9/64	→	0	95	0	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1708'	590	→	0	569	0	-	

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

Vented

TEST WITNESSED BY

J. Davis

35. LIST OF ATTACHMENTS

C-122, Inclination report, gas analysis

\*Note: Abo perms 4531---4594' are above pkr and behind tbg. The Abo will remain SI due to its very low productivity.

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

SIGNED *R. E. Mark*

TITLE Regulatory Coordinator

DATE October 29, 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 29.

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 10: 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: "Seals 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Dolomite	4540	4590	fair porosity	Tubb	2757	2757
Lime/sand/ shale	6670	6770	low porosity, widely spread	Abo	3398	3398
Lime/shale/ sand	7442	7502	some porosity(best at 7442-7450)	Wolfcamp	4602	4602
Lime-Cong/ shale/sand	7680	7692	good porosity	Bursum	5717	5717
				Cisco-Canyon	5936	5936
				Strawn	7119	7119
				Atoka	7360	7360
				Morrow	7567	7567
				Miss. Chester	7695	7695

U.S. GEOLOGICAL SURVEY  
ARIZONA, NEW MEXICO  
OCT 31 1960

FEB 25 1980

O. C. D.

ARTESIA, OFFICE  
OCC NUMBER

FIELD \_\_\_\_\_ COUNTY Eddy

OPERATOR Mesa Petroleum Company ✓ ADDRESS 1000 Vaughn Building, Midland, Texas 79

LEASE Runyan Federal WELL NUMBER 2

SURVEY 1980' FNL & 660' FEL Sec. 18, T19S, R23E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
100	1/4
200	1/4
530	1 3/4
650	1 1/4
925	1 3/4
1016	1 1/4
1107	1 1/2
1200	1 3/4
1293	1 1/2
1385	1 1/4
1508	1 1/4
1600	1 3/4
1692	1 1/4
1963	1 1/4
2303	1
2812	3/4
2892	3/4
3313	3/4
3805	1/2
4300	1/2
4510	1/4
5040	1
5506	1 1/2
5690	1
6007	1

RECEIVED

NOV 2 1979

O. C. C.  
ARTESIA, OFFICEOCT 31 1979  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: Walter Frederickson  
Walter Frederickson  
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

7<sup>th</sup> day of December, 1979.

Margaret B. Anderson Notary Public in and for Midland County, Texas  
Margaret B. Anderson

FIELD \_\_\_\_\_ COUNTY Eddy OCC NUMBER \_\_\_\_\_  
 OPERATOR Mesa Petroleum Company ADDRESS 1000 Vaughn Building, Midland, Texas 79701  
 LEASE Runyan Federal WELL NUMBER 2  
 SURVEY 1980' FNL & 660' FEL Sec. 18, T19S, R23E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
6685	2
6809	2
6935	1 1/4
7091	1 1/2
7432	1
7796	1

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ARTESIA, NEW MEXICO**

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I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: [Signature]  
 Walter Frederickson  
 Vice President

Sworn and subscribed to before me the undersigned authority, on this the

17 day of September, 1979.

[Signature]  
 Margaret E. Anderson

Notary Public in and for Midland County, Texas.