

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See 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. RESERV. ☐

2. NAME OF OPERATOR
Mesa Petroleum Co. ✓

3. ADDRESS OF OPERATOR
1000 Vaughn Building / Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements)
At surface 1980' FSL & 1980' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. _____ DATE ISSUED 10-10-79

15. DATE SPUDDED 10-16-79 16. DATE T.D. REACHED 10-26-79 17. DATE COMPL. (Ready to prod.) 2-16-80 18. ELEVATIONS (DF, REE, RT, GR, ETC.)* 4154' GR 4166' RKB 19. ELEV. CASINGHEAD 4154'

20. TOTAL DEPTH, MD & TVD 4088' 21. PLUG, BACK T.D., MD & TVD 3771' 22. IF MULTIPLE COMPL., HOW MANY* 1 23. INTERVALS DRILLED BY ALL 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 2923' --- 3363' Abo

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-FDC, DLL-SFL 27. WAS WELL CORED No

28. CASING RECORD (Office set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	719'	12-1/4"	200 sx Thix-set/185 sx LtWt/100 sx "C"/	
				150 sx Thix-set	
4-1/2"	10.5#	4,087'	8-3/4"	1850 sx LtWt/ 200 sx 50/50	Poz

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	2830'	2822'

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Wellcamp - 41 entry, total of 34 holes 3866'-3872'; 3884'-3888'; 3896'-3900'; 3913'-3920'; 3923'-3926'; 3934'-3938' Abo - .39" entry, total of 45 holes 2923'-2946'; 2950'-2952'; 3011'-3016'; 3018'-3020'; 3355'-3363'	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 3866'---3938' A/3000gals DS-30 w/ 42 BS 3355' - 3363' A/1000gals 15% DS-30 acid 2923'---3020' A/3500gals 15% NE-FE + N ₂ 2923'---3020' F/54,000 gal + 41,000# sand

33.* PRODUCTION
DATE FIRST PRODUCTION 11-25-79 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
3-3-80	5	12/64	→	--	133	--	Dry
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
750	Pkr	→	--	665.6	--	--	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY J. Davis

35. LIST OF ATTACHMENTS
C-122, Record of Inclination, C-102 (Revised)

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 DATE 3/17/80

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

XC: USGS (6), MEC, TLS, JBH, JWH, LMC, FILE, CENTRAL RECORDS, ACCTG
AXC: KYLE STANLEY, D&M

3/17/80 mp

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.

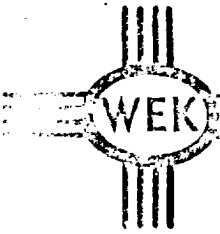
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

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			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Anhy / Dol Shale/Sand/Lime Chert/Dol/SS/ Shale	1743' 1865'	1754' 1870'	Possible show Possible hydrocarbons	Glorieta	591'
Shale/ Shale/ Sand Shale/ Sand Sand/ Shale	2920' 3352' 3732' 3860'	3055' 3365' 3744' 3950'	Probable hydrocarbons w/good permeability Probable hydrocarbons w/fair permeability Tight formation or water Probable hydrocarbons / low permeability	Yeso Abo Wolfcamp Basement	775' 2848' 3452' 3970'



KENNETH D. REYNOLDS - ARTESIA
LESLIE K. EVERTSON - ROSWELL

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 2055 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6759
ROSWELL 505/623-5070

October 30, 1979

Mesa Petroleum Co.
1000 Vaughn Building
Midland, Texas 79701

Re: Rock Federal #1

Gentlemen:

The following is a Deviation Survey of the above well located
in Chaves County, New Mexico.

200' - 1/2°	2371' - 1/2°
410' - 1/2°	2770' - 3/4°
714' - 1/2°	2891' - 3/4°
974' - 1 1/4°	3382' - 1°
1363' - 3/4°	3512' - 1 1/4°
1850' - 1/2°	3846' - 1 3/4°
2090' - 1/2°	4090' - 1 1/2° T.D.

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 30th day
of October, 1979 by Arnold Newkirk.

My Commission Expires:

April 9, 1980

Glenda Bea Newton
Notary Public

NE MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

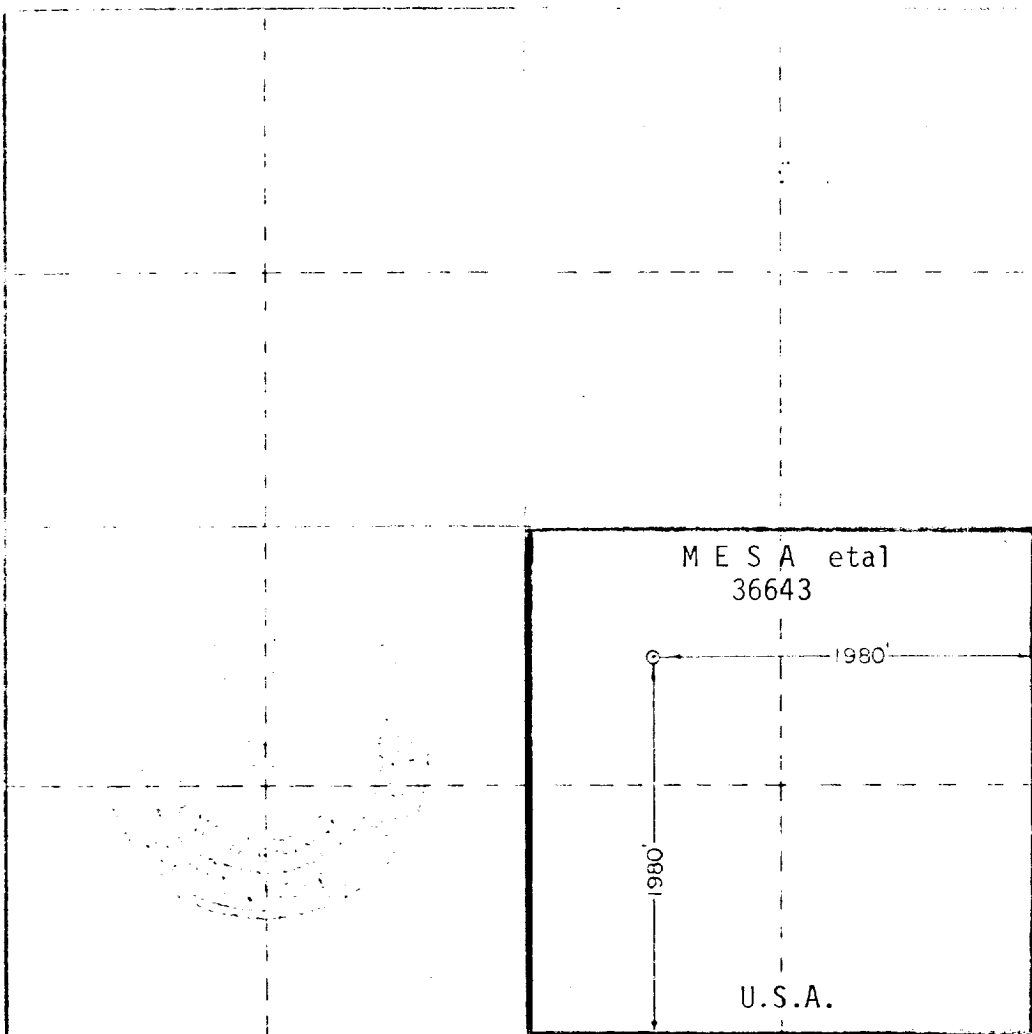
MESA PETROLEUM CO			Lessee ROCK FEDERAL			Acres 1		
Section	7	Township	8 SOUTH	Range	23 EAST	County CHAVES		
1980 feet from the SOUTH line and 1980 feet from the EAST line								
Acres of well	4154.1	Insulating Formation Abo		Prod	WILDCAT		Dedicated Acreage	SE/4 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No oil/water will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information furnished herein is true and complete to the best of my knowledge and belief.

R. E. Mathis

R. E. MATHIS

REGULATORY COORDINATOR

MESA PETROLEUM CO.

September 22, 1979

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date of Survey

SEPTEMBER 13TH, 1979

Signature of Surveyor and Engineer

John W. West

John W. West

Certificate No. John W. West

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Ronald J. Eddon 3239