

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

NM 12764

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Nunlee

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Square Lake

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

27 - 16S - 30E

12. COUNTY OR
PARISH
Eddy13. STATE
New Mexico

15. DATE SPUDDED

11-10-73

16. DATE T.D. REACHED

12-12-73

17. DATE COMPL. (Ready to prod.)

January 11, 1974

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

3771 GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

9000'

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

PBDT 3070'

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

ROTARY TOOLS

X

CABLE TOOLS

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

2926-2986' Premier Sand

25. WAS DIRECTIONAL
SURVEY MADE26. TYPE ELECTRIC AND OTHER LOGS RUN
Comp. Sonic Log27. 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
8-5/8"	24# & 32#	3000'	RECEIVED	650 sacks	NONE
			JAN 30 1974		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
			ARTESIA, OFFICE	D. E. G.	2"	3000'	

31. PERFORATION RECORD (Interval, size and number)

2926'-2929' 2 shots per ft.
2938'-2942' 2 shots per ft.
2980'-2986' 2 shots per ft.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2926'-2942'	30,000# sand & 30,000 gals. water
2980'-2986'	20,000# sand & 20,000 gals. water

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1-12-74		Pumping				Prod.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-14-74	24		→	30	80	15 BW	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	30	80	15 BW		

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

Vented

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined by me.

SIGNED J. E. Walker TITLE District Superintendent DATE January 22, 1974

*(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			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			T. Queen	2260'	+1523'
			T. San Andres	3015'	+ 768'
			T. Glorieta	4462'	- 679'
			T. Blindberry	4600'	- 817'
			T. Tubb	5840'	-2057'
			T. Drinkard	6064'	-2281'
			T. Abo	6730'	-2947'
			T. Wolfcamp	7660'	-3877'

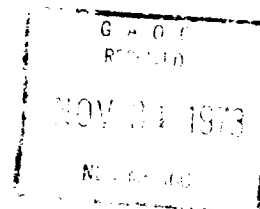
MARK PRODUCTION COMPANY

330 CITIZENS BANK BUILDING
TYLER, TEXAS 75701
TELEPHONE (214) 597-3551

DAILY DRILLING REPORT

FEDERAL "A" NO. 1
Sec. 27, T16S-R30E
Eddy County, New Mexico

Page 1



- 11-3-73 Building roads.
- 11-4-73 Building roads.
- 11-5-73 Building roads.
- 11-6-73 Preparing location.
- 11-7-73 Preparing location.
- 11-8-73 Waiting on rig.
- 11-9-73 Moving in MGF Drilling Company rig.
- 11-10-73 Rigged up Rig #10, MGF Drlg. Co. - Spudded at 8 PM
- 11-11-73 TD 436' - lime - 1/2 degree @ 425' - lost circulation at 260' - dry drilled to TD - ran 20 joints 12-3/4" casing, 47#, set at 436' - ran 375 sacks class 4, 2% CaCl - 45 sacks of which was run down back side of casing.
- 11-12-73 Nippled up - drlg plug - lost circulation after drlg plug - re-cemented with 150 sacks cement pumped down casing - cement standing 75' in casing - WOC.
- 11-13-73 Drlg. 1307' - red beds & salt - Dev.@870' - 1/4 degree.
- 11-14-73 Drlg. 1922' - anhydrite - Dev.@1400' - 3/4 degree.
- 11-15-73 Tripping 2416' - anhydrite & gyp - Dev. @ 1915' - 1-1/4 degree.
- 11-16-73 Drlg. 2645' - anhydrite & gyp - Dev. @ 2400' - 1-1/2 degree.
- 11-17-73 Drlg. 2936' - anhydrite
- 11-18-73 Drlg. 3000' - anhydrite - TOTCO 3000' - 1-1/2 degree - ran 93 jts. of 8-5/8" 24# and 32#, set at 3000' - cemented with 500 sacks litewate, 1/4# flo seal /sack, 150 sacks Class "C" 2% CaCl - plug down at 10:15 p.m. 11-17-73.
- 11-19-73 Nippled up - tested pipe and preventers to 1000# for 30 min. Drlg. 3170' - shale - Bit #5.
- 11-20-73 Drlg. 3529' - Lime - TOTCO 1 degree @ 3500'.
- 11-21-73 Drlg. 3982' - Lime - 1-1/4 degree @ 3809'.

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JAN 25 1974

U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

MARK PRODUCTION COMPANY

DAILY DRILLING REPORT
FEDERAL "A" NO. 1
Eddy County, New Mexico

Page 2

11-22-73 Drlg. 4490' - lime - Dev. @ 3997' - 3/4 degrees - Ph 10 - Bit #5
11-23-73 Drlg. 4767' - lime - Dev. @ 4740' - 3/4 degrees - Ph 10.5 - Bit #6
11-24-73 Drlg. 5045' - lime & sand - Ph 10 - Bit #6
11-25-73 Drlg. 5435 - lime - Dev. 5305' - 1/2 degree - Ph 11 - Bit #6
11-26-73 Drlg. 5767' - lime & sand - Drlg wtr - Ph 10 - Bit #6.
11-27-73 Drlg. 5970' - Dev. @ 5790' - 1 degree - Ph 10 - Bit #7.
11-28-73 Drlg. 6235' - lime & shale - Ph 10 - Bit #7
11-29-73 Drlg. 6432' - lime & sand - Dev. 6420' - 1-1/2 degrees.
11-30-73 Drlg. 6702' - lime & shale.
12-1-73 Drlg. 6950' - lime - Dev. @ 6940' - 1-1/4 degree.
12-2-73 Drlg. 7138' - lime.
12-3-73 Drlg. 7280' - lime & shale - Bit #9
12-4-73 Drlg. 7544' - lime & shale.
12-5-73 Drlg. 7844' - lime & shale - Dev. 7700' - 1-1/2 degree.
12-6-73 TD 8063' - lime - coming out of hole - running tests on blowout preventers.
12-7-73 Drlg. 8112' - lime - Blowout preventors, Hydril, and safety equipment tested OK.
12-8-73 Drlg. 8295' - lime & shale - MW 8.8# - Vix 36 - WL 20 cc - FC 1/32
12-9-73 Drlg. 8495' - lime - MW 8.8# - Vis 36 - WL 12cc - FC 1/32
12-10-73 Drlg. 8675' - lime - circulated samples at 8520' for 1-1/2 hours -
MW 8.8# - Vis 39 - WL 18cc - FC 1/32
12-11-73 Tripping at 8837' - lime & shale - MW 8.9# - Vis 44, WL 8
12-12-73 TD 9,000' - circulating to run logs - no drilling breaks.
12-13-73 TD 9,000' - ran logs.
12-14-73 Set 30 sacks cement plug at 7700' & 6200' and bottom of 8-5/8"
Released operations to General American Oil Company, owner of rights above
3300' - General American to accept completion in shallow zone.

FINAL REPORT

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NOV 21 1974

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

W K Q D S 110

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APR 11 1964

U.S. AIR FORCE

WALLINGFORD, CT

GENERAL AMERICAN OIL COMPANY OF TEXAS

DEVIATION SURVEY

NUNLEE NO. 7

Formerly Mark Production Company
Well Federal "A" #1

Depth:	Degrees:
436'	1/2°
870'	1/4°
1400'	3/4°
1915'	1-1/4°
2400'	1-1/2°
3000'	1-1/2°
3500'	1°
3809'	1-1/4°
3997'	3/4°
4740'	3/4°
5305'	1/2°
5790'	1°
6420'	1-1/2°
6940'	1-1/4°
7700'	1-1/2°

These deviations taken from daily drilling reports of Mark Production Company and are true and correct to the best of my knowledge.

W E Hallett

signed before me this 25 day of January, 1974.

Notary Commission Expires 3/25/75

John P. Sullivan

This well was plugged back to 3070' and completed as Nunlee #7 in the Premier Sand.

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NOV 19 1964

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