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AUG 22 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
O. BUREAU OF LAND MANAGEMENT
ARTESIA OFFICE
Artesia, NM 88210

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

95F

5. LEASE DESIGNATION AND SERIAL NO.

NM 40655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 24

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

~~Sand Dunes~~ (Cherry Canyon)

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

Sec 24, T-23-S, R-31-E

12. COUNTY OR PARISH

Eddy

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

Kaneb Production Company

3. ADDRESS OF OPERATOR

400 Wilco Building Midland, Texas 79701

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

At surface 1980' FNL and 467' FWL

At top prod. interval reported below 1980' FNL and 467' FWL

At total depth 1980' FNL and 467' FWL

14. PERMIT NO.

API #30-015-25305

DATE ISSUED

6-5-85

15. DATE SPUDDED

6-27-85

16. DATE T.D. REACHED

7-12-85

17. DATE COMPL. (Ready to prod.)

7-30-85

18. ELEVATIONS (OF, RKE, RT, GR, ETC.)*

KB: 3508'

19. ELEV. CASINGHEAD

GL: 3496'

20. TOTAL DEPTH, MD & TVD

6500 MD, 6499 TVD

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

6176'

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)*

Todd Sand: (6071' - 6083')

25. WAS DIRECTIONAL SURVEY MADE

yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual induction SFL, Micor log, Compensated CNLFDC, EMP, RFT

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"	54.5# & 60#	506'	17 1/2"	580 sx Class "C" w/2%cc	None
8 5/8"	24# & 32#	4330'	11"	1700 sx Pace Setter & 290 sx Class "C"	None
4 1/2"	11.6#	6200'	7 7/8"	415 sx Class "C" 50-50 POZ	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6100'	

31. PERFORATION RECORD (Interval, size and number)

(6071', 72, 73, 74, 77, 78, 79, 80, 81, 82, 83)
w/22 shots using 3 1/8" csg gun.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(6071' - 6083')	Acidized w/1500 gals 15% NE HCL

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-30-85		Pumping: API Lufkin 114-143-64 w/6-12 x 8 Ajax gas engine				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-10-85	24 hrs.	----	→	57	----	0.0	550 (Estimate)
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
----	----	→	57	31	0.0	35.70°	

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

Flared

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

7 copies of deviation survey and 2 copies of logs (DISFL, Micro, CNLFDC, RFT)

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

SIGNED

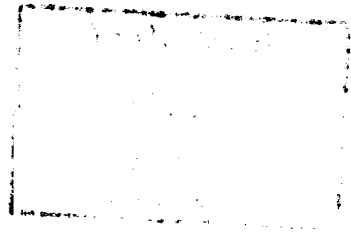
TITLE Ass't. Division Production Manager

DATE August 15, 1985

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

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	TOP TRUE VERT. DEPTH
Ramsey Sand DST	4505	4547	Water	Top Rustler	830	
	4435	4524	5" IFP 65-85 psi ISIP 1979 psi/60" 60" FFP 103-235 psi FSIP 1959/135" Recovered 420' Fluid (1.5 bbls) drilling mud Sample Chamber 0 CFG, 45 psig, 2400 cc water, R= 0.41 ohms @ 80°, 8300 ppm Cl	Base Salt	4220	
				Base Lamar/Top Delaware	4454	
				Cherry Canyon Marker	5562	
Olds Sand	4556	4584	Water	Top 'Todd' Sand	6058	
Cherry Canyon (5900 Zone)	5907	5935	Possible oil and water			
Cherry Canyon ('Todd' Sand)	6058	6094	Oil and water			
DST	6047	6077	5" IFP 27-46 psi ISIP 1630 psi/60" 75" FFP 46-112 psi FSIP 1706 psi/150" Recovered 201' Fluid (.98 bbls) Drilling Mud slightly gas cut with trace oil Sample Chamber .15 CFG, 85 psig, 1500 cc Mud. R= 0.38 ohms @ 80°, 9800 ppm Cl			



OPERATOR Kaneb Production ADDRESS 400 Wilco Building Midland, TX 79701
LEASE NAME Federal 24 WELL NUMBER 1
LOCATION 1980' FNL & 467' FWL, Section 24, T-23-S, R-31-E, Eddy County, New Mexico

DEPTH	ANGLE INCLINATION - DEGREES	DISPLACEMENT	ACCUMULATIVE DISPLACEMENT
280	1/2	2.44	2.44
506	3/4	2.96	5.40
1006	2	17.45	22.85
1506	1 1/4	10.91	33.76
1731	1 1/2	1.96	35.72
2231	1 1/2	4.37	40.09
2695	2	16.19	56.28
3174	3/4	6.27	62.55
3674	3/4	6.55	69.10
4147	1 1/4	10.32	79.42
4525	1 1/2	3.30	82.72
5024	1	8.71	91.43
5520	1	8.66	100.09
6020	3/4	6.55	106.64
6077	3/4	.75	107.39
6500	1 1/4	9.23	116.62

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Kaneb Oil & Gas Company

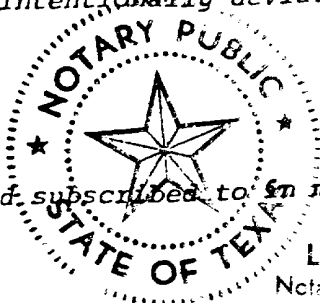
I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

LANDIS DRILLING COMPANY

By: Gary W. Chappell
Title: Vice President - Contracts

AFFIDAVIT:

Before me, the undersigned authority, appeared Gary W. Chappell known to me to be the person whose name is subscribed hereabove, who on making deposition, under oath states that he is acting for and in behalf of the Operator of the well identified above, and that to the best of his knowledge and belief, such well was not intentionally deviated from the true vertical whatsoever.



Sworn and subscribed to in my presence on this the 2nd day of August, 19 85.

LINNIE TRAVIS

Notary Public in & for
The State of Texas

My commission expires _____ day of _____, 19____
Notary Public in and for the County of _____

Linnie Travis
AFFIDANT'S SIGNATURE