

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.6.

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 MARTINDALE PETROLEUM CORPORATION							
3. ADDRESS OF OPERATOR Box 1455, Hobbs, NM 88240							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 860' FNL and 1980' FWL SEC. 18, T-22S, R-37E NMPM At top prod. interval reported below At total depth							
14. PERMIT NO.				DATE ISSUED 9/27/77			
15. DATE SPUDDED 12/26/77		16. DATE T.D. REACHED 1/8/78		17. DATE COMPL. (Ready to prod.) 1/31/78		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3423.7 GR	
20. TOTAL DEPTH, MD & TVD 6761'		21. PLUG, BACK T.D., MD & TVD 6717'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Drinkard 6422' - 6576'						25. WAS DIRECTIONAL SURVEY MADE yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Sidewall Neutron Porosity, Dual Laterlog, Micro SFL, Cement bond						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	
8 5/8"	K-55 24# nbu	1092'	11 1/4"	500 4x + 2% GCL. Circ est.		70 4x to surface	
5 1/2"	K-55 17.820# nbs	6761'	7 7/8"	500 gals mud flush. 400 4x w/ 8# salt/4x.		380	
Stage #2-425 4x w/ 15# salt. 4x. 300 4x - Circ 75 4x				4x + 150# 1% CER-2, 10# sand/ 4x + 8# salt. 4x. Circ		100 4x	
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"		6430'
31. PERFORATION RECORD (Interval, size and number) 2 shots / ft - 0.40" 6466-68' 6557-59' 6492-94' 6574-76' 6530-32'				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				6466-68'	500 gals 15% HCl acid		
				6492-94'	500 gals acid 50# benzole acid flu		
				6530-32'	500 gals acid 50# benzole acid flu		
				6557-59' 6574-76'	500 gals acid 50# benzole acid flu		
33.* PRODUCTION							
DATE FIRST PRODUCTION 1/31/78		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow				WELL STATUS (Producing or shut-in) producing	
DATE OF TEST 2/1/78	HOURS TESTED 6	CHOKE SIZE various	PROD'N. FOR TEST PERIOD →	OIL—BBL. 24.5	GAS—MCF. 5.24	WATER—BBL. 6.25 LW	OIL RATIO 214
FLOW. TUBING PRESS. 50-250#	CASING PRESSURE packer	CALCULATED 24-HOUR RATE →	OIL—BBL. 98	GAS—MCF. 21	WATER—BBL. 25 acid & load water	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Will be sold to Getty Oil Company						TEST WITNESSED BY Burton Veteto	
35. LIST OF ATTACHMENTS 2 copies logs and 4 copies deviation survey							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED [Signature]		TITLE Secretary-Treasurer		DATE February 2, 1978			

*(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	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Anhydrite	0	1204	Anhydrite			
Top Salt	1204	2438	Anhydrite & salt			
Base Salt	2438	2610	"			
Yates	2610	2852	Anhydrite, sand & Lime			
Seven Rivers	2852	3312	Anhydrite, sand & Lime			
Queen	3312	3446	Anhydrite, dolomite			
Pearase	3446	3618	Dolomite, sand			
Grayburg	3618	3825	Dolomite, sand			
San Andres	3825	5091	Dolomite, sand			
Glorieta	5091	5419	Dolomite, sand & shale			
Blindry	5419	6120	Dolomite			
Tubb	6120	6422	"			
Delinkard	6422	6576	"			

WELL NAME AND NUMBER Jack Federal #2

LOCATION Sec. 13, T-22-N, R-37-E
(New Mexico give U,S,T & R; Texas give S,Blk.,Sur.& Twp.when required)

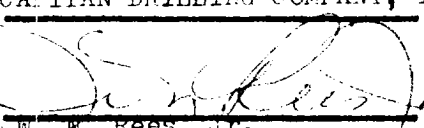
OPERATOR Martindale Petroleum Corp.

DRILLING CONTRACTOR CAPITAN DRILLING COMPANY, INC.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>1/4 471</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/4 1192</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/2 1510</u>	<u> </u>	<u> </u>	<u> </u>
<u>1 2005</u>	<u> </u>	<u> </u>	<u> </u>
<u>2 1/2 2500</u>	<u> </u>	<u> </u>	<u> </u>
<u>2 2507</u>	<u> </u>	<u> </u>	<u> </u>
<u>3/4 2620</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/2 2692</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/4 2816</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/2 2877</u>	<u> </u>	<u> </u>	<u> </u>
<u>3/4 3112</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/2 3500</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/2 4000</u>	<u> </u>	<u> </u>	<u> </u>
<u>1/2 4700</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor CAPITAN DRILLING COMPANY, INC.

By 
W. W. Rees, Jr.
Vice President

Subscribed and sworn to before me this 27 day of January, 19 78

My Commission Expires:
3/14/78


Brenda Stone Notary Public
Pctor County, Texas

RECEIVED

FEB 7 1978

OIL CONSERVATION SERVICE
HOBBY, N. M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.
1. LEASE DESIGNATION AND SERIAL NO.

LC-034548

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Deck Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Drinkard

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

Sec. 18, T-22S. R-37E

12. COUNTY OR PARISH

Lea

13. STATE

NM

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

MARTINDALE PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

Box 1955, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

860' FNL and 1980' FWL Sec. 18, T-22S, R-37E, NM 104-100

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3423.7 GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 1/10/78 - Ran 169 jts 5½" 8 rd thrd LT&C new K-55 47-20# (17#-3812.17', 20#-2988.57') set @ 6761' PBTD 6717'. Ran Halliburton multiple stage cementer, set @ 2562'. Stage #1- 500 gals mud flush, 400 sx + 8# salt/sx followed by 380 sx + ½ of 1% CFR-2, 10# sand/ sx + 8# salt/sx. Plug down 6:55pm. Circ est 100 sx to surface. WOC & circ 4½ hrs. Stage #2-425 sx w/ 15# salt/sx followed by 300 sx. Plug down 2:05 am 1/11/78. Circ est. 75 sx to surface.
- 1/27/78 - Tested 5½" csg w/ 1500 psi - no decline in pressure. Spotted 250 gals 15% NE acid across perf. interval 6583-6315'. Ran cement bond log, gamma ray tie-in & collar locator logs. Bond log indicated good cement csg bonding. Used 3 3/8" hyper-jet steel carrier gun 2 shot/ft, hole size 0.40", staggered 180° plane, perforated: 6466-68', 6492-94', 6530-32', 6557-59', 6574-76'. Ran RBP and RTTS packer on 23/8" tbq. Acidized in 4 stages treating each set of perms w/ 500 gals acid and 50# benzoic acid flake if communications existed. Stage #4 (6557-59', 6574-76') also dropped 6 RCN ball sealers. Swabbed, strong gas and heavy oil show on 3rd pull.
- 1/31/78 - SJTP 550 psi in 14½ hrs. Opened well, flowed for cleanup 51.15 total fluid in 4 hrs. est. 35-45% oil.
- 2/1/78 - Killed well, retrieved RBP and RTTS packer, ran Baker Loc-set production packer, set @ 6430'. Shut in for installation of permanent battery.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Secretary-Treasurer

DATE 2/3/78

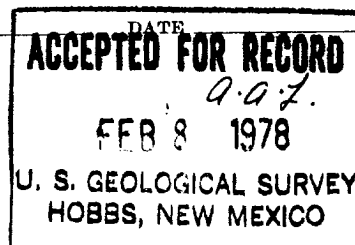
(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



FEB 14 1978
OIL CONSERVATION COMM.
HOURS: 11-12