

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

qsf

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. ☐
2. NAME OF OPERATOR Terra Resources, Inc.						
3. ADDRESS OF OPERATOR 10 Desta Drive, Suite 500 West Midland, Texas						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FWL & 660' FNL At top prod. interval reported below SAME At total depth SAME						
14. PERMIT NO. JUN -6 1987 O. C. D. ARTESIA, NEW MEXICO DATE ISSUED 4-15-87						
5. LEASE DESIGNATION AND SERIAL NO.		NM 30067				
6. IF INDIAN, ALLOTTEE OR TRIBE NAME						
7. UNIT AGREEMENT NAME						
8. FARM OR LEASE NAME Pennzoil 9						
9. WELL NO. Federal #1						
10. FIELD AND POOL, OR WILDCAT Diamond Mound						
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 9, T16S, R28E						
12. COUNTY OR PARISH EDDY		13. STATE NM				
15. DATE SPUDDED 4-15-87		16. DATE T.D. REACHED 5-15-87		17. DATE COMPL. (Ready to prod.) 5-25-87		
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3642.7 GR		19. ELEV. CASINGHEAD 3640'				
20. TOTAL DEPTH, MD & TVD 9555		21. PLUG, BACK T.D., MD & TVD 9467		22. IF MULTIPLE COMPLE., HOW MANY*		
23. INTERVALS DRILLED BY →		ROTARY TOOLS XX		CABLE TOOLS		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8972-90, 9025-29, 9034-46 Atoka					25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/MSFL GR-LDL-CHL-Calip					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"	48	300	17 1/2"	320 sx Cl "C" w/2% CaCl ₂	
8-5/8"	24	1800	11"	400 sx Dowell Mix	
8-5/8"				200 sx "C"	
5-1/2"	15.5, 17	9555	7-7/8"	840 sx Lightweight, 160 sx 50/50 POZ	
				300 sx Lightweight, 100 sx "C" Neat	

29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	8860	8865

31. PERFORATION RECORD (Interval, size and number) 9025-29, 9034-46 8972-90 4 spf		JUN 4 1987 CARLSBAD, NEW MEXICO	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
9025-29, 9034-46		7000 gal. 7-1/2% MSR +	
8972-90		L-55 Clay Control	

33.* PRODUCTION							
DATE FIRST PRODUCTION 5-25-87		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) shut-in	
DATE OF TEST 5/24-25/87	HOURS TESTED 24	CHOKE SIZE 12/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 30	GAS—MCF. 984	WATER—BBL. 0	GAS-OIL RATIO 32,800 cf/Bbl
FLOW. TUBING PRESS. 1000#	CASING PRESSURE 0#	CALCULATED 24-HOUR RATE →	OIL—BBL. 30	GAS—MCF. 984	WATER—BBL. 0	OIL GRAVITY-API (CORR.) 51°	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Waiting on pipeline connection						TEST WITNESSED BY Stanley McKee	
35. LIST OF ATTACHMENTS							

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

SIGNED Vm Ship Cymer TITLE Operations Engineer DATE 6/2/87

*(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.
Atoka	8970	9070	Sand stone 8972'-90' & 9025'-50' Initial Flow 15 min: GTS 6 min IFP = 947# Initial Shut-In 30 min: 3280# Final Flow 60 min: 2 MMCFPD FFP = 2151# Final shut in 120 min: 3280# Sample Chamber Recovery: 100 cc Condensate & 16 cu ft gas @ 1800#

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Yates	319	
Seven Rivers	481	
Queen	1073	
Penrose	1224	
Grayburg	1473	
San Andres	1715	
Glorieta	3329	
Tubb	4553	
Abo	5331	
Wolfcamp	6570	
Cisco	7652	
Strawn	8662	
Atoka	8970	
Morrow Clastics	9157	
Chester Lime	9469	

FIELD Diamond Mound COUNTY Eddy, NM OCC NUMBER _____
OPERATOR Terra Resources, Inc. ADDRESS 10 Desta Drive, Suite 500 West,
Midland, Texas 79705
LEASE Pennzoil Federal #9 #1 WELL NO. 1
SURVEY 1980' FWL & 660' FNL of Section 9, T-16-S, R-28-E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
300	1/2
775	1/2
1241	3/4
1737	3/4
2270	1/4
2767	1/4
3259	3/4
3722	3/4
4279	1
4413	1 1/4
4896	1
5388	3/4
5881	2
6100	2 1/4
6256	2 1/4
6350	2
6658	1 3/4
6906	1 1/2
7320	1
7807	1/2
8298	1/2
8797	3/4
9026	1
9555	1 1/4

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: B. J. Johnson

B. J. Johnson
Drilling Superintendent

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

28th day of May, 1987.

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