

January 11, 1989

New Mexico Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, NM 87410

RE: NASSAU RESOURCES, INC.
Carracas Unit 18 B #13
Sec. 18, T32N, R4W
Rio Arriba County, NM

Gentlemen:

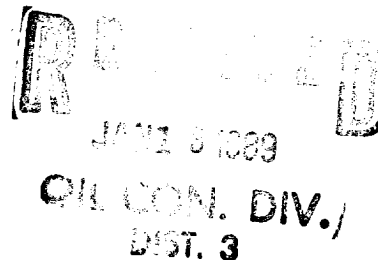
I hereby certify that deviation surveys were run on the captioned well as follows:

1°	at 125'	1-1/4°	at 2155'
3/4°	at 306'	2°	at 2497'
1-1/4°	at 594'	2°	at 2747'
1°	at 812'	2°	at 2832'
1-1/4°	at 1063'	1-3/4°	at 3433'
1°	at 1347'	1°	at 8980'
1/2°	at 1658'		

Sincerely,


James S. Hazen
Field Supt.

cm

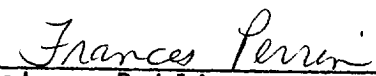


State of New Mexico)
County of San Juan) ss

Subscribed and sworn to before me this 11th day of Jan., 1989.



OFFICIAL SEAL
FRANCES PERRIN
NOTARY PUBLIC - NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 5-2-89


Notary Public

Main Office
Jerome P. McHugh & Associates
Operating Affiliate: Nassau Resources, Inc.
650 South Cherry, Suite 1225
Denver, Colorado 80222
(303) 321-2111

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 30015	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR NASSAU RESOURCES, INC.		7. UNIT AGREEMENT NAME Carracas Unit	
3. ADDRESS OF OPERATOR P.O. BOX 809, Farmington, N.M. 87499		8. FARM OR LEASE NAME Carracas Unit 18 B	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790' FSL - 900' FWL At top prod. interval reported below At total depth		9. WELL NO. 13	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
DATE ISSUED 8/25/88		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T32N, R4W NMPM	
15. DATE SPUDDED 10/12/88		12. COUNTY OR PARISH Rio Arriba	
16. DATE T.D. REACHED 10/18/88		13. STATE NM	
17. DATE COMPL. (Ready to prod.) 4/14/89		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7420' GL; 7432; KB	
19. ELEV. CASINGHEAD 7420' GL		20. TOTAL DEPTH, MD & TVD 4270'	
21. PLUG, BACK T.D., MD & TVD 4221'		22. IF MULTIPLE COMPL., HOW MANY* NA	
23. INTERVALS DRILLED BY → TD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4141' - 4163' Fruitland Coal	
25. WAS DIRECTIONAL SURVEY MADE NO		26. TYPE ELECTRIC AND OTHER LOGS RUN CN-FD, Coal Log, Digital Sonic, GR-CBL	
27. WAS WELL CORED NO		28. CASING RECORD (Report all strings set in well)	
CASINO SIZE 9-5/8"		WEIGHT, LB./FT. 36#	
DEPTH SET (MD) 360' KB		HOLE SIZE 12-1/4"	
CEMENTING RECORD 224 cu.ft.circ. to surf.		AMOUNT PULLED -----	
5-1/2"		17# & 15.5#	
4267' KB		8-3/4"	
1598 cu.ft.circ. to surf.		See reverse	
29. LINER RECORD		30. TUBING RECORD	
SIZE NONE		TOP (MD) BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)	
SIZE 2-7/8"		DEPTH SET (MD) 4155'	
PACKER SET (MD) -----		31. PERFORATION RECORD (Interval, size and number) 4141' - 4163' 4 spf	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		DEPTH INTERVAL (MD) 4141' - 4163'	
AMOUNT AND KIND OF MATERIAL USED 500 gal. of 7-1/2% HCL 3011 bbls. fluid 11,000# 40/70 sand 32,300# 12/20 sand		33.* PRODUCTION DATE FIRST PRODUCTION 4/27/89*	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping		WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 4/28/89		HOURS TESTED 24	
CHOKE SIZE 0.75"		PROD'N. FOR TEST PERIOD →	
OIL—BBL. ---		GAS—MCF. 202	
WATER—BBL. 85		GAS-OIL RATIO ---	
FLOW. TUBING PRESS. 210 psi		CASING PRESSURE 210 psi	
CALCULATED 24-HOUR RATE →		OIL—BBL. ---	
GAS—MCF. 202		WATER—BBL. 85	
OIL GRAVITY-API (CORR.) ---		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test; to be sold.	
TEST WITNESSED BY Elmer Perry		35. LIST OF ATTACHMENTS *1st hydrocarbons to well bore during testing	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		SIGNED James S. Hazen	
TITLE Field Supt.		DATE 4/28/89	

(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, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<u>Item #28</u> 9-5/8" casing cemented with 190 sk Class "B" 2% CaCl (224 cu.ft.) 5-1/2" casing cemented with 557 sk 65/35 with 12% gel & 1/4#/sk flowseal followed by 100 sk 50/50 with 2% gel, 6-1/4#/sk gilsonite & 1/4#/sk flowseal (1598 cuft.)	Ojo Alamo Kirtland Fruitland Fruitland Coal	3287' 3542' 3984' 4140'	