

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions 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 ☐ TA
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐
2. NAME OF OPERATOR
NASSAU RESOURCES, INC.
3. ADDRESS OF OPERATOR
P. O. Box 809, Farmington, N.M. 87499
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
1650' FNL - 990' FEL
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED
8-12-88

15. DATE SPUDDED 12/1/88 16. DATE T.D. REACHED 1/19/89 17. DATE COMPL. (Ready to prod.) 2-24-89 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7164' GL; 7176' KB 19. ELEV. CASINGHEAD 7164' GL

20. TOTAL DEPTH, MD & TVD 10,060' 21. PLUG BACK T.D., MD & TVD 9975' 22. IF MULTIPLE COMPL., HOW MANY* ----- 23. INTERVALS DRILLED BY TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NA 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN CN-FD, BHTV Images, Litho-Density/Comp. Neutron w/ HRL, Coal log, Digital Sonic Waveforms, GR-CCL-CBL, Dual Induction - SLF 27. WAS WELL CORED Yes

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"	54.4	319'KB	17-1/2"	454 cu.ft. circ. to surf.	-----
9-5/8"	40.0 & 43.5	4143'KB	12-1/4"	2177 cu.ft. circ. to surf.	-----
				See reverse.	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7"	3898' KB	10,053' KB	1928 cu.ft.		-----	-----	
See Reverse.							

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
9860-9790', 4" guns, 1 shot per 2 ft.		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Total of 56 shots.		9798'	Spotted 500 gal. 7-1/2% HCL
Plugged back w/ Baker retrievable BP		9860-9790'	Pumped 500 gal. 15% HCL
at 9641' KB w/ 5 gal. sand on top.			

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
NA		Entrada is TA.					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY
MAR 14 1989

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from available records.
SIGNED James S. Hazen TITLE Field Supt. BY DATE 3/9/89

*(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> Cemented 13-3/8" casing with 385 sk Class "B" w/ 2% CaCl (454 cu.ft.) Cemented 9-5/8" casing with 600 sk 65/35 w/ 12% gel and 1/4#/sk celoflake 350 sk 50/50 w/ 2% gel, 6-1/4#/sk gilsonite and 1/4#/sk celoflake. 100 sk Class "B" w/ 1/4#/sk celoflake (2177 cu.ft.). 10 bbls. mud flush. <u>Item #29</u> Cemented 7" liner with 5% WR-6 in cement as follows: 10 bbls. mud flush 550 sk 65/35 w/12% gel and 1/4#/sk celoseal 350 sk 50/50 w/ 2% gel, 6-1/4#/sk gilsonite and 1/4#/sk celoseal (1928 cu.ft.).	Chacra Cliffhouse Menefee Point Lookout Mancos Gallup Silt Gallup Gallup Sandstone Sanostee Greenhorn Graneros Dakota A Dakota B Dakota C Dakota D Burro Canyon Morrison Todilto Entrada Chinle	5200 5465 6280 6440 6650 7394 7705 7910 8255 8497 8548 8672 8723 8785 8814 8870 8968 9604 9690 9958	

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(See other in-
structions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other <u>Water Disposal</u>		5. LEASE DESIGNATION AND SERIAL NO. USA NM 30016	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other <u>FARMINGTON RESOURCE AREA</u>		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 27 A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL - 990' FEL At top prod. interval reported below At total depth		9. WELL NO. #82	
14. PERMIT NO.		DATE ISSUED 8-12-88	
15. DATE SPUNDED 12/1/88		16. DATE T.D. REACHED 1/19/89	
17. DATE COMPL. (Ready-to-prod.) 2-24-89		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7164' GL; 7176' KB	
19. ELEV. CASINGHEAD 7164' GL		20. FIELD AND POOL, OR WILDCAT Morrison / Entrance / Attach	
21. TOTAL DEPTH, MD & TVD 10,060		22. IF MULTIPLE COMPL., HOW MANY*	
23. PLUG, BACK T.D., MD & TVD 9641' KB		24. INTERVALS DRILLED BY TD	
25. ROTARY TOOLS		CABLE TOOLS	
26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NA		27. WAS DIRECTIONAL SURVEY MADE NO	
28. TYPE ELECTRIC AND OTHER LOGS RUN CN-FD, BHTV Images, Litho-Density/Comp. Neutron w/ HRL, Coal log, Digital Sonic Waveforms, GR-CCL-CBL, Dual Induction - SLF		29. WAS WELL CORED YES	

29. 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"	54.4	319' KB	17-1/2"	454 cu.ft. circ. to surf.	----
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See reverse					

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7"	3898' KB	10,053' KB	1928 cu.ft.		3-1/2"	9337' KB	9337' KB
See reverse.							

31. PERFORATION RECORD (Interval, size and number) 9555' - 9596', 4" guns, 1 spf, 42 shots		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
9555' KB		Spotted 500 gal. 15% HCL	

33. PRODUCTION							
DATE FIRST PRODUCTION NA		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Water Disposal Well				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
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35. LIST OF ATTACHMENTS Formation tops same as reported for Entrada formation.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>James S. Hazen</u>	TITLE <u>Field Supt.</u>
DATE <u>3/9/89</u>	

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

7. 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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Item #28 Cemented 13-3/8" casing with 385 sk Class "B" w/ 2% CaCl (454 cu.ft.) Cemented 9-5/8" casing with 600 sk 65/35 w/ 12% gel and 1/4#/sk celoflake 350 sk 50/50 w/ 2% gel, 6-1/4#/sk gilsonite and 1/4#/sk celoflake. 100 sk Class "B" w/ 1/4#/sk celoflake (2177 cu.ft.). 10 bbls. mud flush. Item #29 Cemented 7" liner with 5% WR-6 in cement as follows: 10 bbls. mud flush 550 sk 65/35 w/12% gel and 1/4#/sk celoseal 350 sk 50/50 w/ 2% gel, 6-1/4#/sk gilsonite and 1/4#/sk celoseal (1928 cu.ft.).	Chacra Cliffhouse Menefee Point Lookout Mancos Gallup Silt Gallup Gallup Sandstone Sanostee Greenhorn Graneros Dakota A Dakota B Dakota C Dakota D Burro Canyon Morrison Todilto Entrada Chinle	5200 5465 6280 6440 6650 7394 7705 7910 8255 8497 8548 8672 8723 8785 8814 8870 8968 9604 9690 9958	