

1 DE 1 File
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Consent approved
Budget Bureau No. 1004-G-13
Expires August 31, 1985
LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ 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.*
See also space 17 below)
At surface
990' FSL - 790' FWL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7201' GL

NM 28812
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Carracas Unit
8. FARM OR LEASE NAME
Carracas Unit 35 B
9. WELL NO.
#13
10. FIELD AND POOL OR WILDCAT
Basin Fruitland Coal
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35, T32N, R4W, NMPM
12. COUNTY OR PARISH
Rio Arriba
13. STATE
NM

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 COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Change of plans

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.)*

Plan to drill to the Fruitland Coal formation rather than Basin Dakota, as permitted. Estimated TD is 4230'.

A C-102 plat for the Fruitland Coal formation and Revised Operations Plan are attached.

RECEIVED

MAY 30 1989

OIL CON. DIV.
DIST. 3

AUG 21 1989

THIS APPROVAL EXPIRES

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

SIGNED

James S. Hazen
(This space for Federal or State office use)

TITLE Field Supt.

DATE 5/17/89

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

MAY 25 1989

DATE

AREA MANAGER
FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-

All distances must be from the outer boundaries of the Section.

Operator Jerome P. McHugh		Lease Carracas Unit 35 B		Well No. 13
Unit Letter M	Section 35	Township 32 North	Range 4 West	County Rio Arriba
Actual Postage Location of Well:				
990 feet from the South line and		790 feet from the West line		
Ground Level Elev. 7201	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal	Dedicated Acreage: 320.0	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? N/A

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

NM 28812 Amoco Prod. Corp. 100%		
		SEC. 35
790' - 		
990'		

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

James S. Hazen

Position

Field Supt.

Company

Jerome P. McHugh

Date

5/17/89

I hereby certify that the well location shown on this plat was plotted from the notes of actual surveys made by me under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

June 12, 1987

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhoover

Certificate No. 5979

Edgar L. Risenhoover, L.S.

OPERATIONS PLAN

OPERATOR: NASSAU RESOURCES, INC.
WELL NAME: CARRACAS UNIT 35 B #13
FIELD: BASIN FRUITLAND COAL
LOCATION: SECTION 35, T32N, R4W, NMPM
ELEVATION: 7201' GL

EXPECTED FORMATION TOPS:

Ojo Alamo	3508'
Kirtland	3633'
Fruitland	3853'
Fruitland Coal	4063'
TOTAL DEPTH	4230'

LOGGING PROGRAM: DIL-GR-SP & FDC-GNL-GR-CALIPER

SAMPLES: Catch samples every 10' from 3800' to TD.

CASING PROGRAM:

<u>Hole</u> <u>Size</u>	<u>Depth</u>	<u>Csg.</u> <u>Size</u>	<u>Wt./Ft.</u>	<u>Grade &</u> <u>Condition</u>
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12-1/4"	350'	9-5/8"	36#	J-55, New
Cement: 185 sx Class "B" w/ 2% CaCl (218 cu.ft.)				

7-7/8"	4230'	5-1/2"	15.5#	K-55, New
Cement: 100 sx 50/50 poz w/ 2% gel, 6-1/4#/sk gilsonite & 1/4#/sk flowseal (139 cu.ft.). 555 sk 65/35 poz w/ 12% gel & 1/4#/sk flowseal (1454 cu.ft.).				

WELLHEAD EQUIPMENT: 9-5/8" x 11" 600 series Bradenhead &
11" x 7-1/16" 600 series, 2000 psi working pressure well
head.

TECHNICAL PERSONNEL:

James S. Hazen, Field Supt.
Nassau Resources, Inc.
P O Box 809
Farmington, NM 87499
(505) 326-7793 Office
(505) 334-8225 Home

Gary Johnson, Petroleum Engr.
Nassau Resources, Inc.
650 South Cherry St. #1225
Denver, CO 80222
(303) 321-2111 Office
(303) 688-9864 Home

Nassau Resources, Inc.
Carracas Unit 35 B #13
Exhibit B

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 28812	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ 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		8. FARM OR LEASE NAME Carracas Unit 35 B	
4. LOCATION OF WELL (Report location clearly and in accordance with all State requirements) At surface 990' FSL - 790' FWL At top prod. interval reported below At total depth		9. WELL NO. #13	
14. PERMIT NO. API-# 30-039-24160 DATE ISSUED 08/11/87		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
15. DATE SPUDDED 5/24/89		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 35, T32N, R4W, NMPM	
16. DATE T.D. REACHED 6/1/89		12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 10/10/89		13. STATE NM	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7201' GL; 7214' KB		19. ELEV. CASINGHEAD 7201' GL	
20. TOTAL DEPTH, MD & TVD 4230' KB		21. PLUG BACK T.D., MD & TVD 4175' KB	
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)* 4093 - 4162' KB		25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, Spectral Density DSNII, Microlog, GR-CBL		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
9-5/8"	36#	333' KB	12-1/4"	234 cu.ft. circ. to surf.	---
5-1/2"	15.5#	4230' KB	8-3/4"	1439 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)
NA					2-7/8"	4162' KB	---

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4093' - 4103' KB	0.50" diam., 12 spf (120 perfs)	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4134' - 4136' KB & 4154' - 4162' KB	0.45" diam., 4 spf (40 perfs)	4093' - 4162' KB	500 gal. 15% HCL
Total of 160 perfs.			1830 bbls. 35# GWX-9 fluid
			48,000# 40/70 sand
			170,000# 20/40 sand

33. PRODUCTION							
DATE FIRST PRODUCTION 10/10/89*		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 10/11/89	HOURS TESTED 24	CHOKE SIZE 1.125"	PROD'N. FOR TEST PERIOD →	OIL—BBL. ---	GAS—MCF. 218	WATER—BBL. ---	GAS-OIL RATIO ---
FLOW. TUBING PRESS. 1025 psi	CASING PRESSURE 1350 psi	CALCULATED 24-HOUR RATE →	OIL—BBL. ---	GAS—MCF. 218	WATER—BBL. ---	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 completion operations	

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

SIGNED Fran Perrin TITLE Admin. Asst. DATE 10/13/89

*(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 9-5/8" casing as follows: 55 sx of 65/35 poz w/ 2% CaCl & 1/4#/sk cello seal (110 cu.ft.) 105 sx of Class "B" w/ 2% CaCl & 1/4#/sk cello seal (124 cu.ft.) Total of 234 cu.ft. Cemented 5-1/2" casing as follows: 10 bbls. mud flush 496 sx of 65/35 poz w/ 12% gel & 1/4#/sk celloflake (1300 cu.ft.) 100 sx of 50/50 poz w/ 2% gel, 6-1/4#/sk kolseal & 1/4#/sk celloflake (139 cu.ft.) Total of 1439 cu.ft.	Ojo Alamo Kirtland Fruitland Fruitland Coal	3540' 3646' 3952' 4093'	