

January 5, 1990

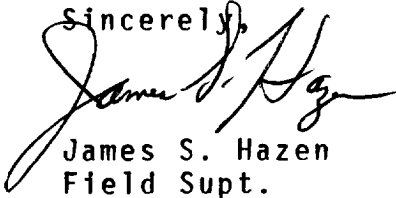
New Mexico Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, NM 87410

RE: NASSAU RESOURCES, INC.
Carracas Unit 13 A #14
Sec. 13, T32N, R5W, NMPM
Rio Arriba County, NM

Gentlemen:

I hereby certify that deviation surveys were run on the captioned well as shown on the attached DATADRILL Record of survey and plot.

Sincerely,


James S. Hazen
Field Supt.

ck

Attachments

State of New Mexico)
County of San Juan) ss

Subscribed and sworn to before me this 5th day of Jan., 1990.


Notary Public

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

RECEIVED

JAN 08 1990

OIL CON. DIV.
DIST. 3



OFFICIAL SEAL
FRANCES PERRIN
NOTARY PUBLIC - NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 5-15-93

DATADRIL

NASSAU RESOURCES
CARRACAS UNIT 13A-14
RIO ARRIBA COUNTY, NEW MEXICO
SECTION 13-T32N-R5W
10-9-89

S.I.I. SINGLESOT
12. DEG. EAST DEC.
913. FT. @ N-27.07-W
K.B.H. = 13 FT.
S.S. DEGRAFFENREID

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OIL CON. DIV.
DIST. 3

File Name: NACA13A14S

*** RECORD OF SURVEY ***

Calculated by DATADRIL's CADDs System

Minimum Curvature Method

All Angles are Decimal

Vertical Section Plane: N 27.07 W

TYPE OF SURVEY	MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	DOBLE SEVERITY (DEG/100')
MSS	0.00	0.00	N 0.00 E	0.00	0.00	0.00 N	0.00 E	0.00	0.00

1/8 SURFACE CSNG. SET @ 286 FT.

MSS	435.00	.50	N 77.00 E	435.00	434.99	.43 N	1.85 E	-.46	.11
MSS	497.00	.50	N 60.00 E	62.00	496.99	.62 N	2.35 E	-.51	.24

K.O.P. @ 500 FT. 6-1/2 D-500, 1 DEG, B.S.

MSS	588.00	1.75	N 31.00 W	91.00	587.98	2.01 N	1.98 E	.89	2.01
MSS	680.00	3.75	N 29.00 W	92.00	679.87	5.85 N	.21 W	5.30	2.18
MSS	774.00	6.00	N 22.00 W	94.00	773.52	13.09 N	3.54 W	13.27	2.47
MSS	836.00	7.00	N 22.00 W	62.00	835.12	19.60 N	6.17 W	20.26	1.61
MSS	897.00	8.25	N 23.00 W	61.00	895.58	27.01 N	9.41 W	28.34	2.15
MSS	991.00	9.50	N 29.00 W	94.00	988.45	39.91 N	16.02 W	42.83	1.48
MSS	1083.00	11.00	N 30.00 W	92.00	1078.98	54.15 N	24.09 W	59.18	1.64
MSS	1178.00	12.00	N 29.00 W	95.00	1172.08	70.64 N	33.41 W	78.11	1.07
MSS	1332.00	14.00	N 27.00 W	154.00	1322.12	101.24 N	49.63 W	112.74	1.33
MSS	1426.00	15.25	N 26.00 W	94.00	1413.07	122.49 N	60.21 W	136.47	1.36

PACKED B.H.A. IN @ 1467 FT.

MSS	1582.00	16.75	N 19.00 W	156.00	1563.04	162.19 N	76.53 W	179.25	1.57
MSS	1737.00	17.25	N 20.00 W	155.00	1711.27	204.90 N	91.66 W	224.17	.37

DATADRIIL

NASSAU RESOURCES
CARRACAS UNIT 13A-14

RIO ARRIBA COUNTY, NEW MEXICO
SECTION 13-T32N-R5W

TYPE OF SURVEY	MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	DOUBLES SEVERITY (DEG/100')
MSS	1891.00	17.25	N 23.00 W	154.00	1858.34	247.38 N	108.39 W	269.60	.58
MSS	2047.00	17.25	N 20.00 W	156.00	2007.33	290.41 N	125.34 W	315.63	.57
MSS	2233.00	18.50	N 17.00 W	186.00	2184.35	344.54 N	143.40 W	372.06	.83

BUMP RUN, 6-1/2 D-500, 1-DEG. IN @ 2275 FT.

MSS	2293.00	18.25	N 20.00 W	60.00	2241.29	362.48 N	149.40 W	390.76	1.63
MSS	2356.00	16.75	N 22.00 W	63.00	2301.38	380.16 N	156.17 W	409.59	2.56
MSS	2386.00	16.25	N 24.00 W	30.00	2330.14	388.01 N	159.50 W	418.09	2.52

PACKED B.H.A. IN @ 2421

MSS	2484.00	16.00	N 34.00 W	98.00	2424.31	411.74 N	172.63 W	445.19	2.84
MSS	2671.00	16.25	N 31.00 W	187.00	2603.95	455.53 N	200.52 W	496.88	.47
MSS	2858.00	16.00	N 33.00 W	187.00	2783.60	499.57 N	228.03 W	548.62	.33
MSS	3047.00	15.50	N 30.00 W	189.00	2965.50	543.29 N	254.85 W	599.75	.51
MSS	3235.00	15.50	N 32.00 W	188.00	3146.67	586.35 N	280.72 W	649.86	.28
MSS	3390.00	15.75	N 33.00 W	155.00	3295.94	621.55 N	303.15 W	691.42	.24
MSS	3545.00	15.50	N 31.00 W	155.00	3445.21	656.95 N	325.27 W	733.01	.38
MSS	3700.00	15.00	N 34.00 W	155.00	3594.75	691.33 N	347.16 W	773.58	.60
MSS	3857.00	14.75	N 30.00 W	157.00	3746.50	725.49 N	368.51 W	813.71	.67
MSS	4013.00	14.75	N 30.00 W	156.00	3897.36	759.88 N	388.37 W	853.38	0.00

INTERSECT TARGET TOP @ 4110 M.D. (COAL)

PROJ	4110.00	14.75	N 32.00 W	97.00	3991.16	781.05 N	401.09 W	878.01	.52
MSS	4199.00	14.50	N 34.00 W	89.00	4077.28	799.89 N	413.33 W	900.36	.63
MSS	4290.00	13.50	N 33.00 W	91.00	4165.57	818.25 N	425.48 W	922.24	1.13

PROJECTION TO WELLS TOTAL DEPTH (T.D.)

PROJ	4350.00	13.00	N 32.00 W	60.00	4223.98	829.84 N	432.87 W	935.93	.92
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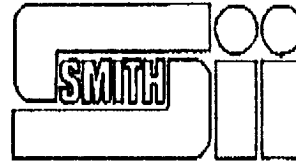
S.S. DEGRAFFENREID, DIRECTIONAL SUPERVISOR

BOTTOM HOLE CLOSURE: 935.96 Feet at N 27.55 Degrees W

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JAN 08 1960
OIL CON. DIV
DIST. 3

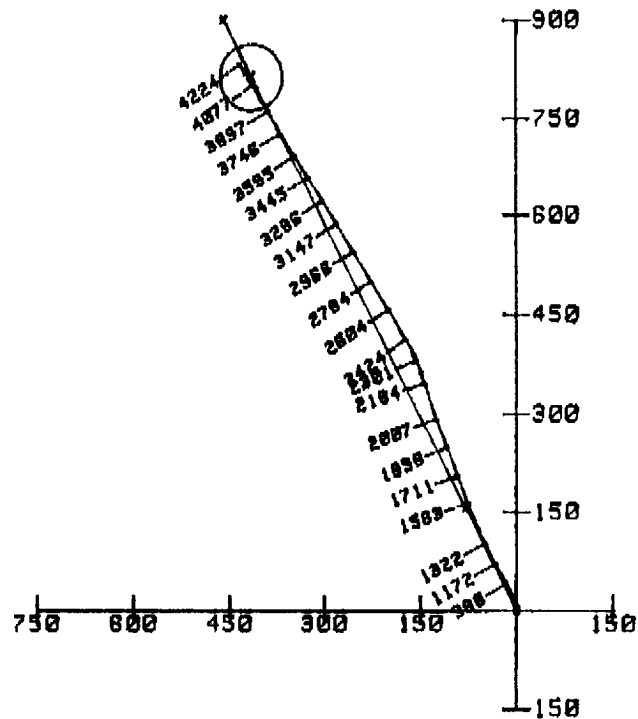
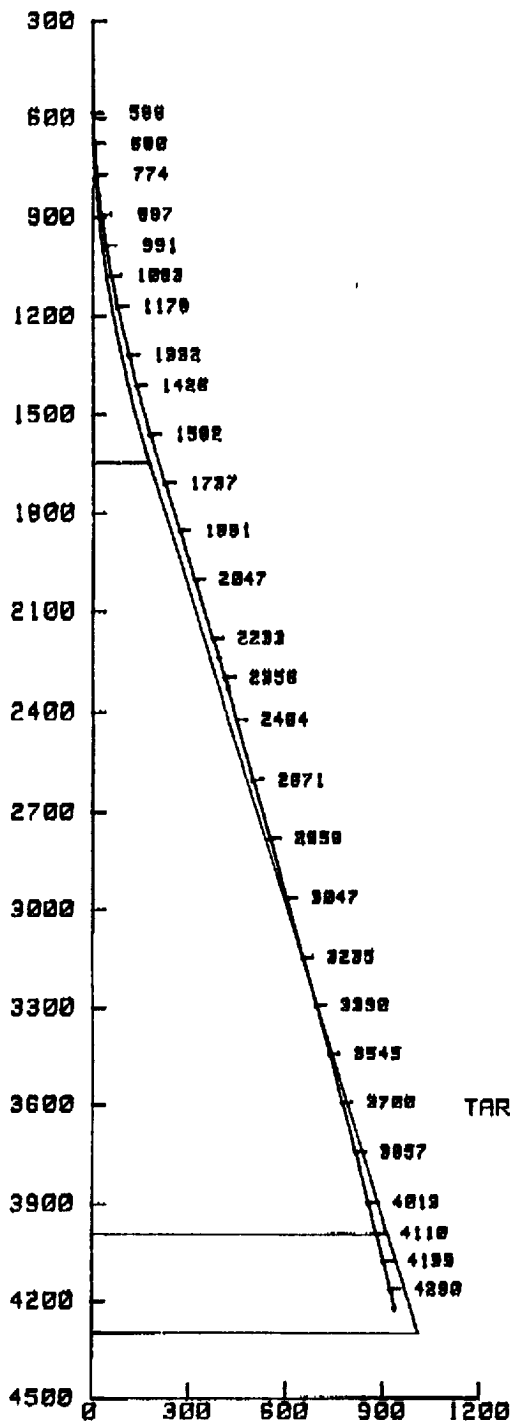
9 JAN 1990 @ 13:40

NASSAU RESOURCES
CARRACAS UNIT 13A-14
RIO ARRIBA COUNTY, NEW MEXICO
SECTION 13-T32N-R5W



VERTICAL PLANE
SCALE: 300 FEET/DIVISION

HORIZONTAL PLANE
SCALE: 150 FEET/DIVISION



COMPARISON PLOT

TARGET TOP AT 4110 MD ENTERED 35 FT. FROM CENTER

PRESENT LOCATION:
TVD: 4223.98 FT
MD: 4358.00 FT
VB: 535.99 FT

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OIL CON. DIV.
DIST. 3

VERTICAL SECTION PLANE: N 27.07 W

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

DEC - 9 1999

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
NASSAU RESOURCES, INC. OGRID #015515

3a. Address P O Box 809
Farmington, NM 87499
3b. Phone No. (include area code)
505 326-7793

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

230' FSL & 380' FWL
Sec. 14, T32N, R5W, NMPM

5. Lease Serial No.

NM 29760

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Carracas Unit

8. Well Name and No.

Carracas Unit 14 A #13

9. API Well No.

30-039-24447

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

Rio Arriba County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ Notice of Intent	☐ Acidize	☐ Deepen	☒ Production (Start/Resume)
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal
			☐ Water Shut-Off
			☐ Well Integrity
			☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Well was turned on 11/12/99 after an extended shut-in.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Fran Perrin

Title

Regulatory Liaison

Date

11/29/99

Signature

Fran Perrin

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

ACCEPTED FOR RECORD

Office

DEC 10 / 1999

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or report which would entitle the applicant to conduct operations thereon.