

Well Name: NATANI	Well Location: T21N / R6W / SEC 12 / SENW / 36.06698 / -107.424746	County or Parish/State: SANDOVAL / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM25307	Unit or CA Name: NATANI	Unit or CA Number: NMNM76156
US Well Number: 300432043400S1	Well Status: Abandoned	Operator: M & M PRODUCTION & OPERATION

Subsequent Report

Sundry ID: 2773020

Type of Submission: Subsequent Report	Type of Action: Plug and Abandonment
Date Sundry Submitted: 02/01/2024	Time Sundry Submitted: 03:01
Date Operation Actually Began: 01/23/2024	

Actual Procedure: Enduring Resources completed P&A operations on said well on 1/27/2024. The plugging of this well was done as the record title owner of the lease per the request of the BLM (Notice of Written Order: 22KR0103W). Please see attached EOW summary, wellbore diagram and well marker pictures.

SR Attachments

Actual Procedure

SR_ABD_2_3004320434_20240201145943.pdf

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 02/02/2024
Signature: Kenneth Rennick	

FEB 01 2024

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB
No. 1004-0137 Expires
December 31, 2024

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 page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. NATANI 002
2. Name of Operator M&M PRODUCTION & OPERATION		9. API Well No. 30-043-20434
3a. Address PO BOX 175 COUNSELOR, NM 87018	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area RUSTY CHACRA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1680 FNL & 1710 FWL SEC 12-T21N-R06W 36.0669823 -107.4247742		11. Country or Parish, State SANDOVAL COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleate 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Enduring Resources completed P&A operations on said well on 1/27/2024. The plugging of this well was done as the record title owner of the lease per the request of the BLM (Notice of Written Order: 22KR0103W). Please see attached EOW summary, wellbore diagram and well marker pictures.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) HEATHER HUNTINGTON	Title PERMITTING TECHNICIAN
Signature 	Date 2-1-24

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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.		
Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Enduring Resources
P&A End of Well Report
Natani 2
API # 30-043-20434
SE/NW, Unit F, Sec 12, T21N, R6W
Sandoval County, NM
Spud Date: 10-6-1979
Plug Date: 1-27-2024

1-23-2024:
MIRU rig. NDWH.

1-24-2024:
SICP = 11 psi, BH = Vacuum. NDWH, NUBOP. PU and TIH with 1-1/4" tubing and tag sub. Tagged at 410'. Tubing torqued up when rotated. TOOH. Tag sub and bottom joint were covered in paraffin. Poured 20 gals. diesel down 2-7/8" casing. TIH with 1-1/4" tubing and tag sub and tagged up at 410' again. TOOH. Found wire on the bottom of the tag sub. Dug out 8-5/8" bradenhead and hooked up 2" hose to pit. Pumped 18 bbls water down 2-7/8" casing, and got circulation out of 8-5/8" surface casing. Circulated approximately 24 bbls of dirty water to the pit. TIH with tag sub, tagged and rotated at 410'. TOOH. Bottom of tubing was shiny from turning on something. TIH with 2" junk mill, and drilled on obstruction. TOOH with junk mill. Found small pieces of what appeared to be sand line. Made up and TIH with wireline spear, and rotated on top of obstruction. TOOH and found small pieces of wire in spear.

1-25-2024:
SICP = 5 psi, BH = Vacuum. Notified BLM and OCD of situation, and discussed plan forward. Loaded hole and circulated 10 bbls out 8-5/8" surface casing. Shut bradenhead valve and got an injection rate of 2 BPM at 650 psi. Received BLM/OCD approvals to move ahead. TOOH with tubing. Loaded hole with 1 bbl, and circulated 2 bbls out 8-5/8" casing to pit. SI bradenhead valve. PLUG 1: 2-7/8" casing from Chacra perforations to surface: Mixed and bullheaded 100 sx cement down 2-7/8" casing. SWIFN.

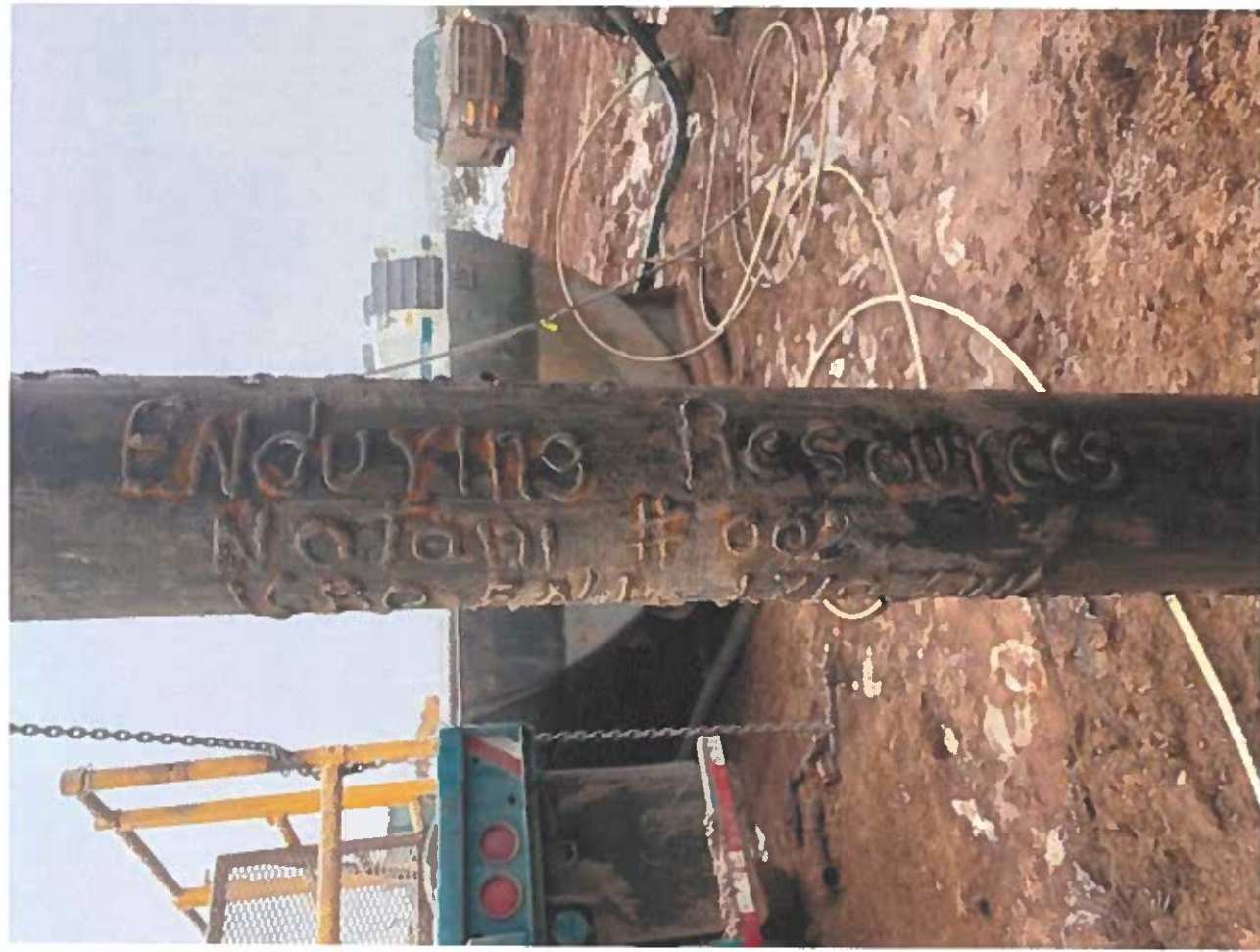
1-26-2024:
SICP = 0 psi, BH = 0 psi. TIH and tagged PLUG 1 at 30'. Dug out wellhead, and had a slight drizzle of water coming from the nipple on the bradenhead valve. Watched bradenhead for water flow, and drizzle became a slight drip. Installed a gauge, and the pressure built up to 6 psi in 1 hour. Opened the well back up, and let well drip out of bradenhead. OCD wanted to determine the source of the water. Left the bradenhead open for the night.

1-27-2024:

SICP = 0 psi, BH = 0 psi, no flow, drip, or drizzle. Received approval from OCD and BLM to continue plugging operations. Cut off wellhead. Tagged TOC in 8-5/8" surface casing at 115'. Welded on PxA marker. PLUG 2: Surface casing, 2-7/8" casing, and wellhead cellar: Ran 110' of 1" poly pipe down surface casing, and circulated cement to surface. Ran 30' of 1" poly pipe down 2-7/8" casing and circulated cement to surface. A total of 42 sx cement were mixed and pumped.

All cement used was Class G mixed at 15.8 ppg, yield 1.15 cu ft/sx.
Regulatory representatives Clay Yazzie, BLM, and Monica Kuehling, NMOCD, via phone.

GPS Coordinates: Lat: 36.06703N; Long: 107.42477W



OPERATOR: <u>ENDURING RESOURCES</u>	CNTY: <u>Sandoval</u>	FTG: <u>1680' FNL & 1710' FWL</u>
WELL: <u>Natani 002</u>	STATE: <u>NM</u>	Q-Q: <u>SENW</u>
FIELD: <u>Lybrook</u>	SPUD: <u>10/06/79</u>	SEC.: <u>12</u>
API #: <u>30-043-20434</u>	COMP: <u>11/07/79</u>	TWS: <u>21N</u>
ER WELL #:	STATUS: <u>WSI</u>	RGE: <u>6W</u>
WI/NRI:	WBD DATE: <u>01/31/24</u>	BY: <u>SHL</u>

P&A WELLBORE DIAGRAM AS PLUGGED

KBE: 7065 '
KB: 12 '
GLE: 7053 '
TOC @ 0' 10/11/1979

12-1/4" Hole
8-5/8" 24.0# csg @ 125 '
85 sx Class B cmt w/3%CaCl cmt to surf

FORMATION TOPS

Nacimiento @ 0

Ojo Alamo @ 787

Kirtland @ 0

Fruitland @ 1581

Pictured Cliffs @ 1276

Lewis @ 0

Chacra @ 1668

Cliff House @ 0

Menefee @ 0

Point Lookout @ 0

Mancos @ 0

Gallup @ 0

0 0

0 0

0 0

0 0

ORIG PBTD @ 1805 '

2-7/8" 6.4# Csg @ 1931 '

TD @ 1950 '

2

1

CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)	ID (in)
12 1/4	8 5/8	24.00	K55	0	125	8.097
6 3/4	2 7/8	6.40	J55	0	1931	2.441

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF
Chacra	1682	1752	1 per 4'

PLUG #2: SURFACE CASING, 2-7/8" CASING AND WELLHEAD CELLAR TOP OFFS

1" POLY PIPE	42 sx	Poly pipe to 110' inside 8-5/8" surface casing, and to 30' inside 2-7/8" casing.
CEMENT	0.0 ' - 115 '	115 ' interval (including 50' excess)
PLUG VOLUME	42 sx	100% excess required (outside casing) 50 'feet of excess required (inside casing)

PLUG #1: 2-7/8" CASING FROM CHACRA PERFORATIONS TO SURFACE

BULLHEAD	100 sx	
CEMENT	0.0 ' - 1855 '	1905 ' interval (including 50' excess)
PLUG VOLUME	100 sx	100% excess required (outside casing) 50 'feet of excess required (inside casing)

Sandline left in wellbore, and cemented in place. Top at 410'. Bottom unknown.

CEMENT & CASING INFORMATION

- ALL PLUGS ASSUME CLASS G CEMENT

- STABILIZNG WELLBORE FLUID IS 8.3 PPG, SUFFICIENT TO BALANCE ALL WELLBORE PRESSURES, UNLESS NOTED OTHERWISE IN PROCEDURE

CEMENT DENSITY:	15.80 PPG
CEMENT YIELD:	1.15 CUFT / SX
MIX WATER REQUIRED:	5.00 GAL / SX
2-7/8" CSG CAPACITY:	0.0325 CUFT / FT
2-7/8" CSG x 6-3/4" HOLE CAPACITY:	0.2034 CUFT / FT
2-7/8" CSG x 8-5/8" CSG CAPACITY	0.2674 CUFT / FT

Released to Imaging: 3/4/2024 4:21:54 PM

Natani 2 WBD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 313048

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 313048
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 1/27/2024	3/4/2024