

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-08314
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No. 015518
7. Lease Name or Unit Agreement Name North El Mar Unit
8. Well Number 44
9. OGRID Number 20077
10. Pool name or Wildcat EL MAR (Delaware)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3101' GL

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" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [X] Gas Well [] Other []
2. Name of Operator Sahara Operating Company
3. Address of Operator PO Box 4130 Midland, TX, 79704
4. Well Location Unit Letter D, 330 feet from the North line and 330 feet from the West line. Section 36, Township 26S, Range 32E, NMPM, County Lea.

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON [X]
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: []

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Propose to plug as follows: Circ Hole with mud.

Set 45-CIBP @ 4550'. Cap w/10 sx If dump bail 25 sx if pumped
Perf 3000' and squeeze 60 sx. WOC & TAG
Perf 2000' and squeeze 60 sx. WOC & TAG
Perf 1000' and squeeze 60 sx WOC & TAG
Set 10 sx cement to surface 25 sx 200' to surface
Cut off wellhead, install dry hole marker

Note changes to procedure

SEE ATTACHED CONDITIONS OF APPROVAL

4" diameter 4' tall above ground marker

Spud Date: 2/19/1959 Rig Release Date: 3/1/1959

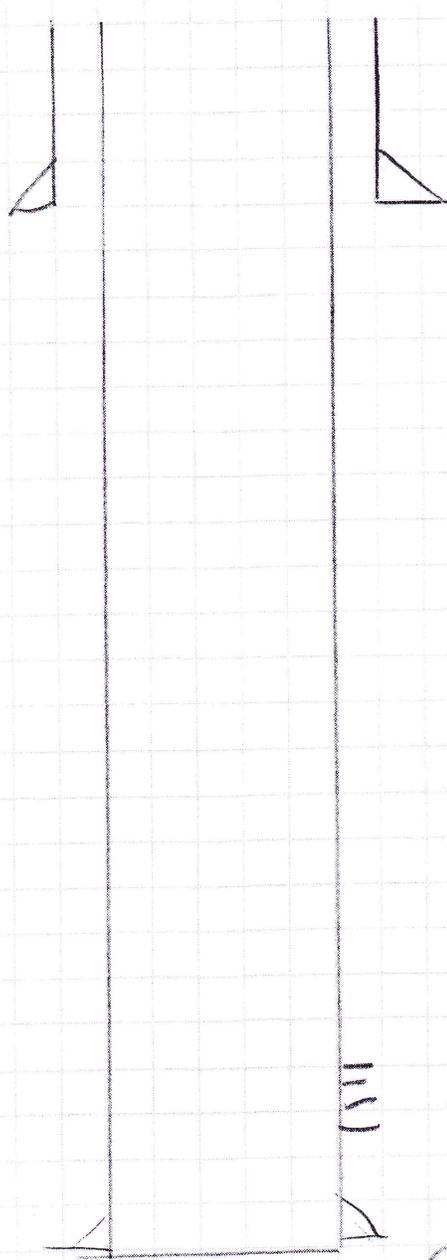
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE President DATE 1/22/2022
Type or print name Robert McAlpine E-mail address: rob@saharaoper.com PHONE: 432-697-0967
For State Use Only

APPROVED BY: [Signature] TITLE Compliance Officer A DATE 3/15/22
Conditions of Approval (if any): 575-263-6633

CALCULATIONS AND DESIGN DATA

SUBJECT		PREPARED BY	DATE
NEMU #414		AS-15	
API # 30-025-08314		SHEET	OF



8.5" @ 950'
w/ 350 SX, CIRC

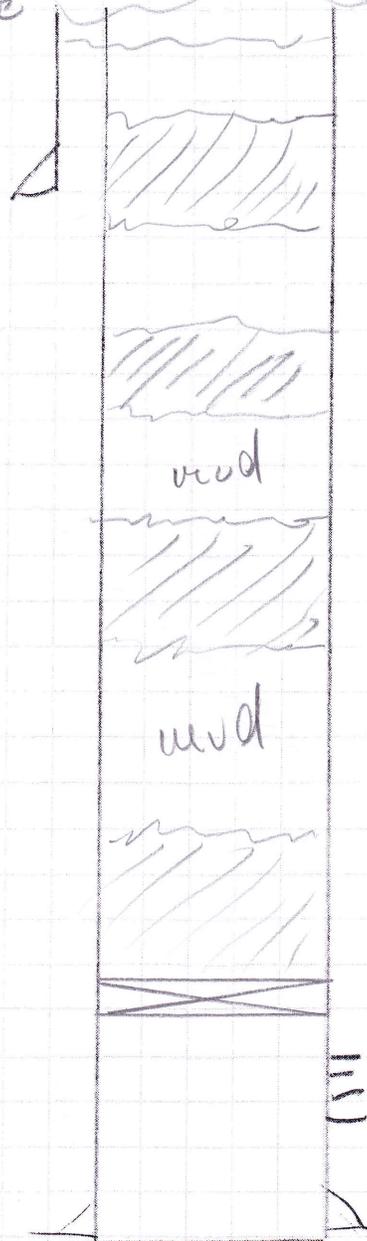
Perf 4583-4619

4.5" 2.5# CASING
@ 4692' w/ 250 SX

CALCULATIONS AND DESIGN DATA

SUBJECT	NEMU #414 - Proposed After P&H	PREPARED BY	DATE
	API # 30-025-08314		SHEET OF

10 5x surface plug



8.5/8" @ 950'
w/350 5x, circ

P&S 60 5x 1000' - 900'
130% excess

P&S 60 5x 2000' - 1850'
50% excess

Perf & squeeze 60 5x
3000' - 2850', 50% excess

100' cement on top of CIBP
10 5x = 141', 40% excess

CIBP @ 4550' 16/100' cwt
(105x)

Perf 4583-4619

4.5" 2.5# casing
@ 4692' w/250 5x

**CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at **(575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Potash---(In the R-111-P Area (Potash Mine Area),
A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

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State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-08314
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No. 015518
7. Lease Name or Unit Agreement Name North El Mar Unit
8. Well Number 44
9. OGRID Number 20077
10. Pool name or Wildcat EL MAR (Delaware)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3101' GL

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2. Name of Operator Sahara Operating Company
3. Address of Operator PO Box 4130 Midland, TX, 79704
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Section 36 Township 26S Range 32E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3101' GL

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Propose to plug as follows: Circ Hole with mud.

Set 45-CIBP @ 4550'. Cap w/10 sx
Perf 3000' and squeeze 60 sx.
Perf 2000' and squeeze 60 sx.
Perf 1000' and squeeze 60 sx
Set 10 sx cement to surface
Cut off wellhead, install dry hole marker

Spud Date: 2/19/1959

Rig Release Date: 3/1/1959

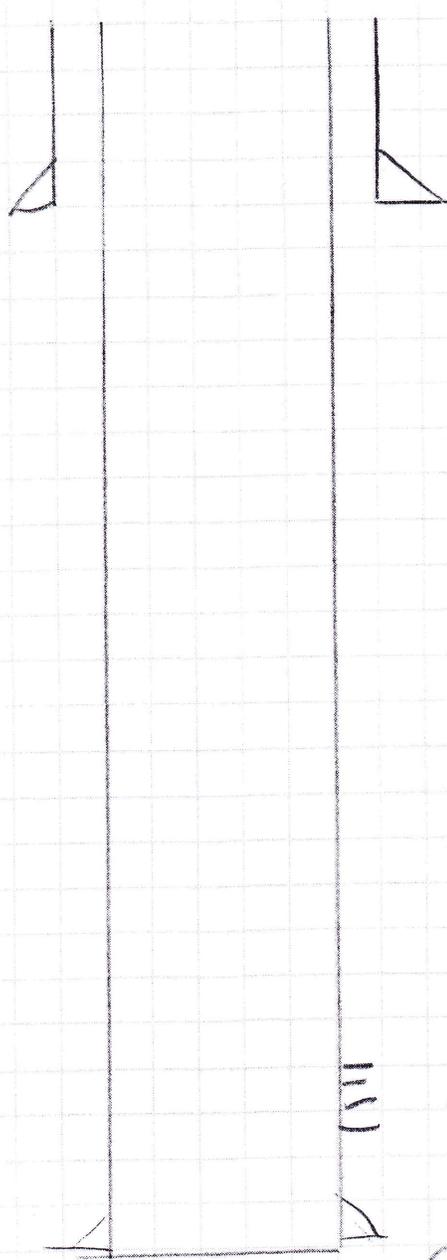
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE President DATE 1/22/2022
Type or print name Robert McAlpine E-mail address: rob@saharaoper.com PHONE: 432-697-0967
For State Use Only

APPROVED BY: TITLE DATE
Conditions of Approval (if any):

CALCULATIONS AND DESIGN DATA

SUBJECT		PREPARED BY	DATE
NEMU #414		AS-15	
API # 30-025-08314		SHEET	OF



8.5" @ 950'
w/ 350 SX, CIRC

Perf 4583-4619

4.5" 2.5" CASING
@ 4692' w/ 250 SX

4.5" 0.5# casing @ 4169ft w/ 250 SX

Perf 41583-41619
CIBP @ 41550' w/ 100' cut (10SX)

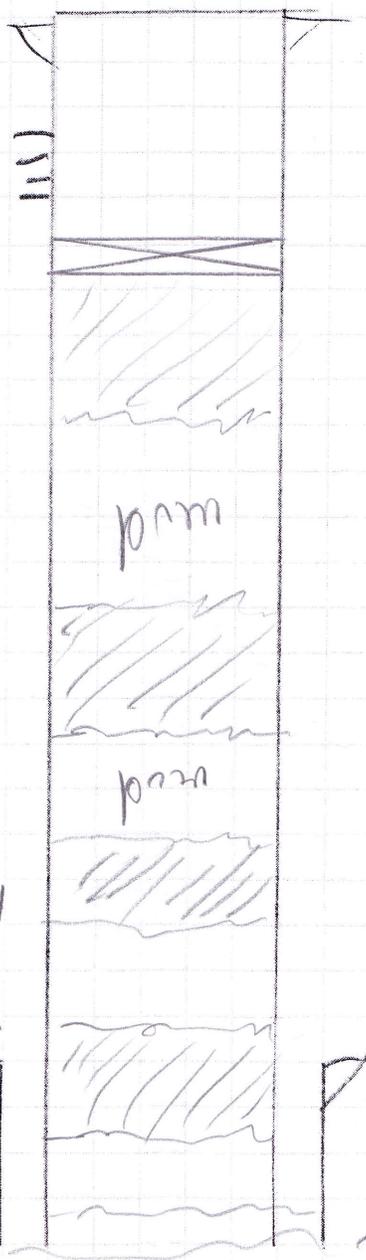
100' cement on top of CIBP
10SX = 1211' 110% excess

Perf & squeeze 60 SX
3000' - 2850' 50% excess

Perf 60 SX 2000' - 1850'
50% excess

Perf 60 SX 1000' - 900'
130% excess

8.5/8" @ 950'
w/ 350 SX, CIVC



SUBJECT		N E M U #111 - Proposed After Perf	
DATE		API # 30-025-08311	
SHEET		OF	
PREPARED BY			
CALCULATIONS AND DESIGN DATA			

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

COMMENTS
 Action 75627

COMMENTS

Operator: SAHARA OPERATING CO P.O. Box 4130 Midland, TX 79704	OGRID: 20077
	Action Number: 75627
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	3/16/2022

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
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District IV
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 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS
 Action 75627

CONDITIONS

Operator: SAHARA OPERATING CO P.O. Box 4130 Midland, TX 79704	OGRID: 20077
	Action Number: 75627
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval Note changes to procedure	3/15/2022