

Well Name: LOGAN 35 M FEDERAL	Well Location: T17S / R27E / SEC 35 / SWSW /	County or Parish/State: EDDY / NM
Well Number: 16	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC057798	Unit or CA Name:	Unit or CA Number:
US Well Number: 300154080600S1	Well Status: Producing Oil Well	Operator: REDWOOD OPERATING LLC

Notice of Intent

Sundry ID: 2727706

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 04/26/2023	Time Sundry Submitted: 09:06
Date proposed operation will begin: 05/02/2023	

Procedure Description: 1. Set 5 1/2 CIBP @ 3935'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 2925-2725'. 2. Spot 25 sx cmt @ 1700-1500' (San Andres) 3. Spot 25 sx cmt @ 950-750'. (Queen) 4. Spot 45 sx cmt @ 400' to surface. (8 5/8" Shoe) 5. Cut off wellhead, verify cmt @ surface, weld on DHM.

Surface Disturbance

Is any additional surface disturbance proposed?: No

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

NOI Attachments

Procedure Description

- Logan\_35\_M\_Federal\_16\_\_\_NOI\_20230426090557.pdf
- Logan\_35\_M\_Federal\_16\_\_\_Proposed\_WBD\_20230426090557.pdf
- Logan\_35\_M\_Federal\_16\_\_\_Current\_WBD\_20230426090557.pdf

Received by OCD: 7/5/2023 11:16:16 AM

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Lease Number: NMLC057798	Unit or CA Name:	Unit or CA Number:
US Well Number: 300154080600S1	Well Status: Producing Oil Well	Operator: RILEY PERMIAN OPERATING COMPANY LLC

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DELILAH FLORES	Signed on: APR 26, 2023 09:06 AM
Name: REDWOOD OPERATING LLC	
Title: Regulatory Technician 1	
Street Address: 11344 LOVINGTON HWY	
City: ARTESIA	State: NM
Phone: (575) 748-1288	
Email address: DELILAH@MEC.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

## Plug Abandonment NOI Proposed

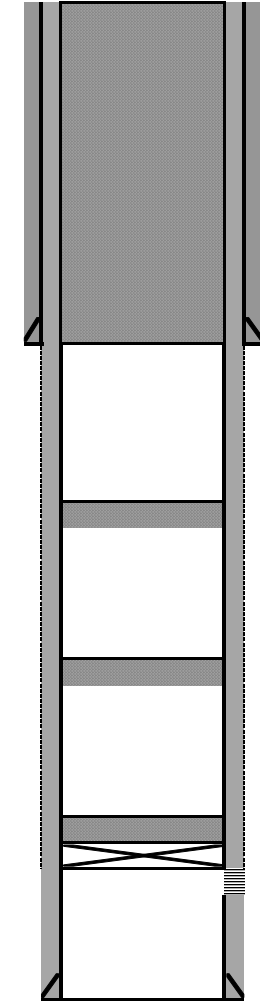
<b>OPERATOR NAME:</b>	Redwood Operating, LLC
<b>LEASE NO.:</b>	NMLC057798
<b>WELL NAME &amp; NO.:</b>	Logan 35 M Federal #16
<b>US WELL NUMBER:</b>	30-015-40806
<b>LOCATION:</b>	Sec 35, T17S, R27E
<b>COUNTY:</b>	Eddy County, NM

1. Set 5 1/2 CIBP @ **2925'**. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 2925-2725'.
2. Spot **50** sx cmt @ **498' to surface**. (San Andres)
3. Cut off wellhead, verify cmt @ surface, weld on DHM.

Redwood Operating, LLC		PROPOSED	
Author:	Abby @ BCM	Well No.	#16
Well Name	Logan 35 M Fed	API #:	30-015-40806
Field/Pool	Red Lak; GL-Yeso NE	Location:	Sec 35, T17S, R27E
County	EDDY	State	NM
Spud Date	1/8/2013	GL:	3621

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8	J55	24#	348	12 1/4	335	0
Prod Csg	5 1/2	J55	17#	3,897	7 7/8	675	0

Formation	Top
QN	899
GRBG	1313
SA	1613
GL	2971
YESO	3059



8 5/8 24# CSG @ 348  
Hole Size: 12 1/4

4. Spot 45 sx cmt @ 400' to surface. (8 5/8" Shoe)

3. Spot 25 sx cmt @ 950-750'. (Queen)

2. Spot 25 sx cmt @ 1700-1500' (San Andres)

1. Set 5 1/2 CIBP @ 3935'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 2925-2725'. Perfs @ 2975-3880

TDPB @ 3889  
TD @ 3900

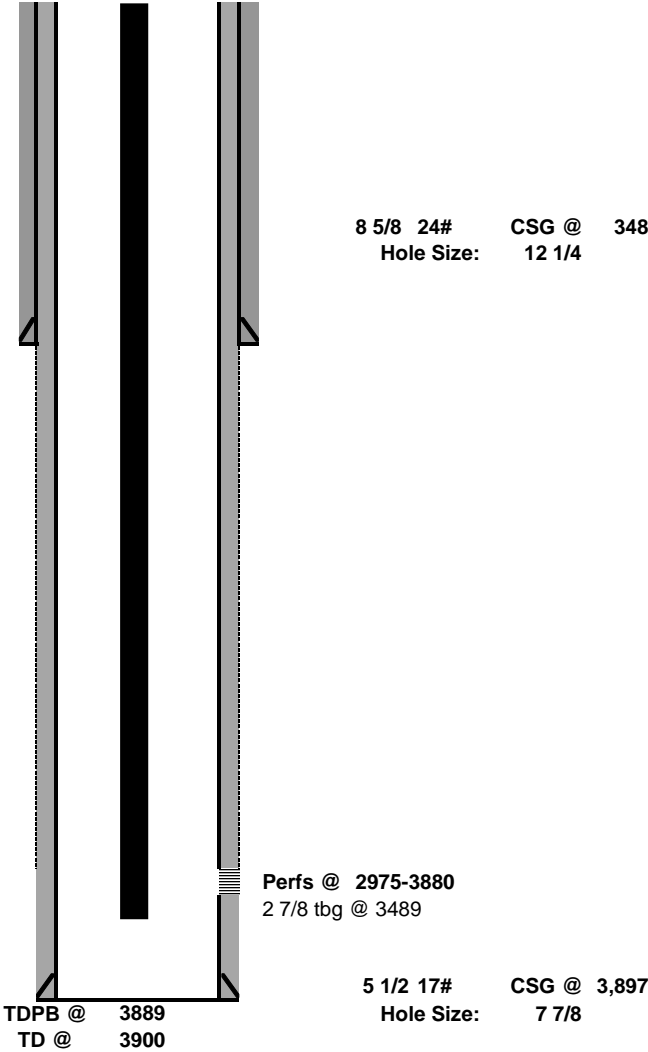
5 1/2 17# CSG @ 3,897  
Hole Size: 7 7/8

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

<b>Redwood Operating, LLC</b>		<b>CURRENT</b>	
Author:	<b>Abby @ BCM</b>	Well No.	<b>#16</b>
Well Name	<b>Logan 35 M Fed</b>	API #:	<b>30-015-40806</b>
Field/Pool	<b>Red Lak; GL-Yeso NE</b>	Location:	<b>Sec 35, T17S, R27E</b>
County	<b>EDDY</b>		<b>990FSL &amp; 370FWL</b>
State	<b>NM</b>	GL:	<b>3621</b>
Spud Date	<b>1/8/2013</b>		

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8	J55	24#	348	12 1/4	335	0
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Formation	Top
QN	899
GRBG	1313
SA	1613
GL	2971
YESO	3059



Sundry ID 2727706

Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Base of Salt @ 275	222.25	325.00	102.75	Tag/Verify			
Shoe Plug	294.52	398.00	103.48	Tag/Verify			
Fresh Water @ 350	296.50	400.00	103.50	If solid			
				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
Yates @ 448	393.52	498.00	104.48	ns	50.00	C	Spot cement from 498' to surface. Verify at surface.
				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
CIBP Plug	2890.00	2925.00	35.00	ns	25.00	C	Set CIBP at 2925'. Spot 25 sxs on top. Leak Test CIBP.
Glorieta @ 2971	2891.29	3021.00	129.71	If solid			
Perforations Plug (If No CIBP)	2925.00	3930.00	1005.00	Tag/Verify			
Shoe Plug	3808.03	3947.00	138.97	Tag/Verify			

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft<sup>3</sup>/sx

Class H: 1.06 ft<sup>3</sup>/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement		Bottom of Karst/take deepest fresh water/top of salt whichever is greater to surface	
Shoe @	348.00		
Shoe @	3897.00		
Perforatons Top @	2975.00	Perforations	3880.00
		CIBP @	2925.00

**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 235984

CONDITIONS

Operator: Redwood Operating LLC PO Box 1370 Artesia, NM 88210	OGRID: 330211
	Action Number: 235984
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 7/7/23. BLM approved P&A 7/1/23	7/7/2023