

## **USA 1-8MR Plugging Procedure**

SENE Section 8 T10S R99W 6 PM

Bronco Flats Field, Mesa County

COC13701

API #05-077-08415

June 2021

1. MIRU. Excavate surface casinghead and monitor during operations.
2. POOH with tubing. Set a 4½" CIBP at 6067'. Spot a minimum of 50' of cement on top of plug.
3. Pressure test the 4½" casing to 300 psig for 15 minutes. Contact Stephen Garcia (BLM) and Aaron Katz (COGCC) for additional plugging requirements if pressure test is unsuccessful.
4. Perforate the 4½" casing at 3067'.
5. Mix and pump 30 sacks of 15.6 ppg cement. Place 100' of cement in the 4½" X 7⅞" annulus from 3067' to 2967' and 100' inside the 4½" casing from 3067' to 2967'.
6. Spot a 200' (16 sacks) 15.6 ppg cement balanced plug from 2027' to 1827'. This will place 100' of cement below and above the stage tool at 1927'.
7. Perforate the 4½" casing at 1114'.
8. Mix and pump 30 sacks of 15.6 ppg cement. Place 100' of cement in the 4½" X 7⅞" annulus from 1114' to 1014' and 100' inside the 4½" casing from 1114' to 1014'.
9. WOC. Tag the cement in the 4½". Spot additional cement if top is below 1014'.
10. Cut off 4½" casing at 250'. POOH laying down casing.
11. Mix and pump 21 sacks of 15.6 ppg cement. Place 50' of cement in the 4½" casing from 300' to 250' and a minimum of 50' above the 4½" casing from 250' to 200'.
12. WOC. Tag cement in 8 5/8". Spot additional cement if top is below 200'.
13. Perforate 8⅝" casing at 216'.
14. Mix and pump 70 sacks of 15.6 ppg cement. Place 50' of cement in the 8⅝" X 12 ¼" annulus (216' to 166'), 50' of cement in the 8⅝" X 13⅜" annulus (166' to 116') and 100' inside the 8⅝" casing (216' to 116').
15. Excavate and cut off casing 4' below grade.
16. Top out the 8⅝" and 8⅝" X 13⅜" annulus from 50' back to surface. Estimate 36 sacks of cement.
17. Weld a steel marker plate with weep hole onto the casing stub. The marker plate is to be inscribed with the following information:

Maralex Resources Inc/Vision Energy, LLC

USA 1-8MR

COC13701

SENE 8 10S 99W

0507708415

# MARALEX RESOURCES, INC.

Operator # 53255

P & A Wellbore

<b>WELL NAME</b>	USA 1-8 MR		
<b>LOCATION</b>	SENE Sec 8 T10S R99W 6 PM		
<b>GPS</b>	39.204487	-108.458599	<b>PDOP</b> 2.4
<b>GPS OPERATOR</b>	M. Nastal	<b>DATE</b>	11/8/2010
<b>FEDERAL LEASE No.</b>	COC13701		
<b>ELEVATION</b>	6460'	<b>KB</b>	12'

<b>FIELD</b>	Bronco Flats
<b>COUNTY</b>	Mesa
<b>API #</b>	05-077-08415
<b>FORMATION</b>	Dakota (DKTA)
<b>COGCC LOCATION ID</b>	312509
<b>COGCC FACILITY ID</b>	221813

## CASING

### SURFACE

SIZE & WT	13 <sup>3</sup> / <sub>8</sub> " 48#
SET @	166'
HOLE SIZE	17 <sup>1</sup> / <sub>2</sub> "
CEMENT	170 sxs
TOC @ surface	

### INTERMEDIATE

SIZE & WT	8 <sup>5</sup> / <sub>8</sub> " 24#
SET @	1064'
HOLE SIZE	12 <sup>1</sup> / <sub>4</sub> "
CEMENT	400 sxs
TOC @ 250' (Calculated)	

### PRODUCTION

SIZE & WT	4 <sup>1</sup> / <sub>2</sub> " 10.5#
SET @	6546'
HOLE SIZE	7 <sup>7</sup> / <sub>8</sub> "
CEMENT	1st stage: 250 sxs Calc TOC
at 5328'	2nd stage: 60 sxs Calc TOC
at 1635'	

### STAGE TOOL

@ 1927'

### PERFORATIONS

6117.5'-6128.5'	16 shots
6245'-6467'	12 shots

### FORMATION TOPS

Cozzette	1590'
Corcoran	1814'
Dakota	6074'

