

# MARALEX RESOURCES, INC.

Operator # 53255  
As Plugged

**WELL NAME** South Shale Ridge 9-17 (312606)  
**LOCATION** NESE Section 17 T8S R98W 6 PM  
**GPS** 39.355793 -108.343310 **PDOP** 2.3  
**GPS OPERATOR** M. Nastal **DATE** 11/8/2010

**FIELD** South Shale Ridge  
**COUNTY** Mesa  
**API #** 05-077-08610  
**FORMATION** Cameo Coal

## CASING

### SURFACE

**SIZE & WT** 8 5/8" 24#  
**SET @** 120'  
**HOLE SIZE** 12 1/4"  
**CEMENT**  
 115 sxs Class B w/3% CaCl  
**TOC @ surface (calculated)**

### PRODUCTION

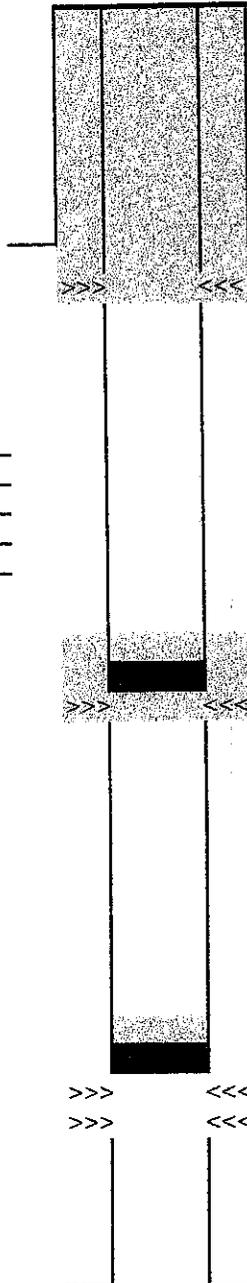
**SIZE & WT** 4 1/2" 11.6#  
**SET @** 4015'  
**HOLE SIZE** 7 7/8"  
**CEMENT** Lead: 180 sxs  
 Thixotropic 10-0 w/10#/sx Gilsontite  
 Tail: 400 sxs Highbond 50 w/ 2% CaCl  
**TOC @ 2940' (CBL)**

### PERFORATIONS

3606'-3882' 29 holes

### FORMATION TOPS

Watsach Surface  
 Mesa Verde 1484'  
 Cameo Coal 3605'  
 Rollins 3884'



Casing cut-off 4' below GL. Marker plate installed 8/1/18

8 5/8" @ 120'

Squeeze perms @ 170'

8/1/18 - 4 1/2" casing cement at surface. Pumped a total of 81 sxs Type II cement down annulus in 3 stages. 1st stage of 40 sxs w/ 3% CaCl - TOC 130'. 2nd stage of 35 sxs w/ 2% CaCl - TOC 12'. 3rd stage 6 sxs neat Type II - cement at surface & standing full. Cement from 170' to surface inside and outside.

10/11/17 pumped 8 bbls of bentonite (400 lbs) slurry down surface casing - displace to 175'

10/16/17 pumped 40 sxs Class B+3% CaCl+LCM/47.2 ft<sup>3</sup>/15.5 ppg down 4 1/2" casing. Locked up at 500 psig with 27 sxs (31.8 ft<sup>3</sup>) pumped through squeeze perms and 13 sxs (15.3 ft<sup>3</sup>) inside 4 1/2" casing

CICR @ 1420' TOC @ 1340'

30 sxs B/35.4 ft<sup>3</sup>/15.3 ppg 80' of cement on top and 53' below CICR with 105' in 4 1/2" X 7 7/8" annulus  
 Squeeze perms @ 1473'

TOC @ 2940' (CBL)

CIBP @ 3560'/16 sxs B/8.8 ft<sup>3</sup>/15.4 ppg/TOC at 3343' (tbg tag)  
 Perforations 3606'-3882'  
 29 holes

4 1/2" @ 4015'

PBTD 3980'

**TOTAL DEPTH** 4015'