



# FRAM OPERATING LLC

Mansur 33-4-D  
SENE Sec 33, T12S, R97W  
Mesa County, Colorado

## ELEVATION

R.B. 6,224  
G.L. 6,216  
KB 8  
BHT 135 °  
Spud date: 06/06/14  
API No. 05-077-10217

Lat: 38.965455  
Long: 108.233426

Not to scale

Prepared By: Arvid Mosnes  
Date: 10/23/14

Geological tops: Mudlogging

Mancos Surface  
Dakota 3,511'  
Cedar Mt 3,615'

Conductor 20" hole  
16" @ 40'  
Cmt with redi-mix

12 1/4" hole  
**SURFACE CSG: 9 5/8" 36# @ 486'**  
Cmt w/110 sks VARICEM, 12.8 PPG, 2.18 yield  
Dump 3 bbl cement at surface

8 3/4" hole  
**Production Casing: 7" 23# J-55 LT&C @ 3,498'**  
50 sxs, 12.8 ppg, 1.92

Kicked off @ 950'

211 sks cmt @ 17 PPG  
Kick off plug 1,400' - 900'  
Plug tagged exactly  
where set.

Top plug @ 3,050'

Bottom 12.3 ppg cmt plug @3,300'

TD original hole @ 3,460'

4 1/2" liner f/3,464' - t/3,590'.

TD 8 3/4" hole @3,590'

	Qty	Length	Depth in hole
Tubing 10/23/14			
KB		5.00	5.00
Hanger		0.50	5.50
2 3/8" EU 8RD J55 4.6# tbg	106	3330.52	3,336.02
Pulled completion Oct 21, 2014. Ran used 2 3/8" tubing from Mansur K.			
Total Joints	108		0.00
Rods			
No rods in hole			

## Note:

### Deviation sidetrack

521'	0.9	201	521'
1,003'	4.3	295	1,003'
1,515'	12.5	291	1,506'
2,085'	21.6	290	2,044'
2,535'	23.3	292	2,461'
3,075'	22.2	295	2,960'
3,590'	19.1	293	3,438'

Top of cement 3,000' from CBL

Avg length tubing: 32.96'

Float collar @3,453'

2 7/8" x 2 3/8" X/O @3,410'

Float shoe @ 3,498'

10-Sep-14

Perf gun;	3 1/8" Super-Hero 6 spf
Interval;	3,528' - 3,538'
Shots;	60
GasGun;	3 3/8"