



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: 9/19/2014

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 sks, 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 @ 3,59

	Qty	Length	Depth in hole
Tubing 9/19/2014			
KB		5.00	5.00
Hanger		0.50	5.50
Pup		8.05	13.55
2 7/8" EU 8RD J55 6.5# tbg	103	3,395.38	3,408.93
X/O		0.81	3,409.74
2 x 2 3/8" pup		12.20	3,421.94
2 3/8" EU 8RD J55 4.6# tbg	4	125.8	3,547.74
SN		1.10	3,548.84
Perf Sub		4.15	3,552.99
2 3/8" EU 8RD J55 4.6# tbg	1	31.42	3,584.41
Bull plug		0.66	3,585.07
Total Joints	108		3,585.07
Rods			
Polish rod 22' x 1 1/8"	1		
Pony rod 3/4" X 4'	1		
Pony rod 3/4" X 6'	1		
Sucker rods 25' x 5/8"	127	4 guides per rod	
Sucker rods 25' x 3/4"	13	4 guides per rod	
2" x 1.25" X 12' RHAC			

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"