



FRAM OPERATING LLC

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

Prepared By: Harold Mayland  
Date: 10/27/2010

ELEVATION  
R.B. 6,239'  
G.L. 6,227'  
KB 12'  
BHT 178 °  
Spud date: 09/25/10  
API No. 05-077-09474-00  
COC 61718  
Lat: 38.96539  
Long: 108.23346

Not to scale

Geological tops:  
Mancos 12'  
Dakota 3362'  
Cerar Mtn 3463'  
Brushy Ba 3476'

Conductor : 16" 0.250 wall  
Cmt w/ 6 yds Redi-mix

TOC 78'  
Stage tool @ 983'

12 1/4" hole  
SURFACE CSG: 9 5/8" 36# J55 ST&C  
Cmt w/150 sks Versacam 12.3 ppg, 2.37 yield

Production Tubing  
2 3/8" J55 @ 3,563'

8 3/4" hole  
Production Casing: 5 1/2" 17# N80 LT&C  
Cmt Stage I, 175 sxs Versacem 12.3 ppg, 2.37 yield  
Cmt Stage I, 100 sxs Versacem 12.3 ppg, 2.37 yield

5 1/2" 17# N80  
I.D. 4.892  
Drift 4.767  
Burst 7,740  
Lin ft/bbl 0.0232  
BBL/linft 43.01

2 3/8" J55 EU 8RD  
I.D. 1.995  
Drift 1.901  
Burst 7,700  
Lin ft/bbl 0.0039  
BBL/linft 258.650

TOC @ 2075'

Dakota Perforations  
Stage I  
3,401 - 3,406'  
3 SPF, 0.36" dia 15 holes

Stage II  
3,413' - 3,416'  
3 SPF, 0.36" dia 9 holes

Stage I  
3,427' - 3,430'  
3 SPF, 0.36" dia 9 holes

Stage II  
3,437' - 3,444'  
3 SPF, 0.36" dia 21 holes

	Qty	Length	Depth in hole
Tubing			
KB		12.00	12.00
Tbg Hanger		0.50	12.50
2 3/8" EU 8RD J55 4.6# tbg	107	3,371.69	3,384.19
2 3/8" X 5 1/2 Anchor catcher		2.95	3,387.14
2 3/8" EU 8RD J55 4.6# tbg	2	63.14	3,450.28
Seating nipple		1.10	3,451.38
2 3/8" EU 8RD J55 4.6# tbg	1	31.5	3,482.88
Mud anchor		25	3,507.88
Total Joints	110		
Rods			
Polish rod 16" x 1 1/8"			
Pony rod 3/4" X 4'	2		
Sucker rods 25' x 3/4"	137		
2" x 1 1/2" x 20' RWAC 16'			
Total rods	137		

Note:	Depth	Inclination
Surveys	281'	1.50
	527'	1.00
	726'	3.00
	1005'	2.00
	1505'	2.25
	1757'	3.00
	2005'	2.00
	2257'	3.00
	2506'	3.50
	2759'	3.00
	3010'	4.00
	3478'	1.75

Well was cored 3340' to 3478'  
Acidized Stage I with 1000 gal 7 1/2% HCL, break at 1982 PSI @ 3 BPM. 10-18-2010  
Acidized stage II w/2000 gal 7 1/2% HCL, dropped 60 1.1 SG balls, had complete ball out. 10-21-2010

Collar @ 3,573'

Shoe @ 3,619'

TD 3,620'