



FRAM OPERATING LLC

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

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

Prepared By: Arvid Mosnes
Date: 4/14/15

Geological tops:
Mancos 12'
Dakota 3,362'
Cerar Mtn 3,463'
Brushy Basir 3,476'

Conductor: 16", 0.250 wall @ 40'
Cmt w/ 6 yds Redi-mix

TOC 78'
Stage tool @ 983'

12 1/4" hole
SURFACE CSG: 9 5/8" 36# J55 ST&C @ 537' KB
Cmt w/150 sks Versacam 12.3 ppg, 2.37 yield

8 3/4" hole
Production Casing: 5 1/2" 17# N80 LT&C @ 3,619'
Cmt Stage I, 175 sks Versacam 12.3 ppg, 2.37 yield
Cmt Stage I, 100 sks Versacam 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

TOC @ 2075'

Perforate Mancos
@ 2,984' - 2,994' MD

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

Set Bridgeplug @ 3,300'

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

Collar @ 3,573'

Shoe @ 3,619'

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

TD 3,620'