

Pertinent Data Sheet - Lucerne A #1A

Location: Unit C - Section 9 - T31N - R10W - San Juan County, New Mexico

Field: Blanco Mesaverde

Elevation: 6014' GL
6024' DF

TD: 5488'
PBTD: 5472'

SITP: 716 **SICP:** 716

AOF: MCFD

Spud: 12-2-78

Completed: 1-8-79

DP #: 48984A MV

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 3/4"	9 5/8"	36.0# KS	223'	224 cf	Surface/Circ
8 3/4"	7"	20.0# KS	3320'	468 cf	TOC @ 900' TS
6 1/4"	4 1/2"	10.5# KS	3139' - 5488'	426 cf	Liner Top @ 3139'

7" - Packer @ 4705'.

4 1/2" - Float Collar @ 5472', Guide Shoe @ 5488', Full Bore @ 5017', 4707', 4722', 4290',
Bridge Plug @ 5459', 5009', 4679'.

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
2 3/8"	4.7# J-55	5401'	SN @ 5309'

Formation Tops:

Ojo Alamo:	1240' *
Kirtland:	1265' *
Fruitland:	2410' *
Pictured Cliffs:	2800' *
Cliffhouse:	4300' *
Menefee:	4655' *
Point Lookout:	5028' *

* Estimate

Logging Record: CDL-GR, IND-GR, CBL, Temp. Survey

Stimulation:

Sqz'd: 2 holes @ 4973'. Squeeze w/89 cf cmt. Did not hold.
Squeeze w/89 cf cmt. Held.
1 hole @ 4654', 1 hole @ 4562'. Squeeze w/177 cf cmt. Held.
1 hole @ 4265'. Squeeze w/89 cf cmt. Held.
Squeeze top of liner (3139') w/188 cf cmt. Pressure tested.

Perf'd: Cliffhouse

4307', 4343', 4404', 4428', 4457', 4528', 4534', 4547', 4549', 4562', 4594',
4606', 4613', 4627', 4634', 4641', 4647', 4654', w/1 SPZ.

Frac'd: 62,100# 20/40 sand, 124,000 gal water. Flush w/6322 gal water.

Perf'd: Menefee

4725', 4732', 4785', 4792', 4828', 4863', 4870', 4892', 4898', 4967', 4973', w/1 SPZ.

Frac'd: 38,000# 20/40 sand, 76,000 gal water. Flush w/6552 gal water.