

Pertinent Data Sheet - Lucerne A #2A

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

Field: Blanco Mesaverde
Blanco Pictured Cliffs

Elevation: 6173' GR
6183' DF

TD: 5663'
PBTD: 5649'

SITP: 537 **SICP:** 537

AOF: MCFD

Spud: 12-16-77
Completed: 3-1-78

DP #: 53147A PC
DP #: 53147B 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"	32.3# H-40	280'	900 sxs	Surface/Circ
8 3/4"	7"	20.0# K-55	3327'	295 sxs	TOC @ 800' TS
6 1/4"	4 1/2"	10.5# K-55	3170' - 5663'	245 sxs	Liner Top @ 3170'

4 1/2" - Float Collar @ 5646', Bridging Collar @ 5363', Bore Receptacle @ 3176'

Tubing Record:

	<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
MV	2 3/8"	4.7# J-55	5616'	SN @ 5581'
PC	1 1/4"	2.33# V-55	3040'	SN @ 3007'

Formation Tops:

Ojo Alamo:	1400'
Kirtland:	1440'
Fruitland:	2525'
Pictured Cliffs:	2964'
Mesaverde:	4488'
Point Lookout:	5198'

Logging Record: IES, FDC-GR, Temp. Survey

Stimulation:

Perf'd: Pictured Cliffs

2974' - 2992', 3018' - 3036', 3050' - 3058', w/16 SPZ.

Frac'd: 50,000# 20/40 sand, 49,686 gal water. Flush w/5208 gal water.
Dropped 2 sets of 16 each balls each.

Perf'd: Cliffhouse

4478' - 4488', 4501' - 4507', 4618' - 4629', 4706' - 4728', 4740' - 4747',
4762' - 4770', 4784' - 4789', 4799' - 4806', 4816' - 4838', w/16 SPZ.

Frac'd: 83,000# 20/40 sand, 85,300 gal water. Flush w/7183 gal water.
Dropped 7 sets of 16 balls each.

Perf'd: Menefee

4868' - 4876', 4912' - 4930', 5008' - 5016', 5071' - 5078', 5088' - 5100',
5124' - 5134', 5154' - 5183', w/16 SPZ.

Frac'd: 78,000# 20/40 sand, 78,160 gal water. Flush w/7140 gal water.
Dropped 5 sets of 16 balls each.