

Well File

State J-1

Sec. 16 T23N R7W

Rio Arriba County, New Mexico

BHL: 540' FNL, 820' FWL

Drilled by BCO

Spud date: 8/3/87

Schematic - not drawn to scale

GL = 7210

KB = 7222

TVD = 6611

30-039-24139

SURFACE CASING:

Casing Size	Weight (lb/ft)	Depth Set (MD)	Cementing Record (sacks)
8 5/8 "	23	220	155

Cement Job

8 - 5/8 " surface casing 294' to surface. 200 sacks Class B, 2% CaCl₂, 1/4 lb flocele per sack mixed at 15.6 lbs with a yield of 1.18 or 183 cubic feet. Cement circulated 12 bbls to surface

PRODUCTION CASING:

Casing Size	Weight (lb/ft)	Depth Set (MD)	Plug Back TD (MD)	Cementing Record (sacks)
4 1/2"	11.6	6609	6534	1677

Cement Job

Stage 1: T.D. to 4800'. 402 sacks of Class H cement with 2% CaCl₂ 8 pps salt, 1/4 pps flocele, and 6 1/2 pps gilsonite. Mixed at 15.1 ppg to have a yield of 1.37 cfps. **TOC @ 4970'**

Stage 2: 4800' to surface. 1275 sacks of 65/35 poz Class H cement mixed with 3% gel 12 1/2 pps gilsonite with a yield of 1.78 cfps Cement circulated 116 bbls at surface.

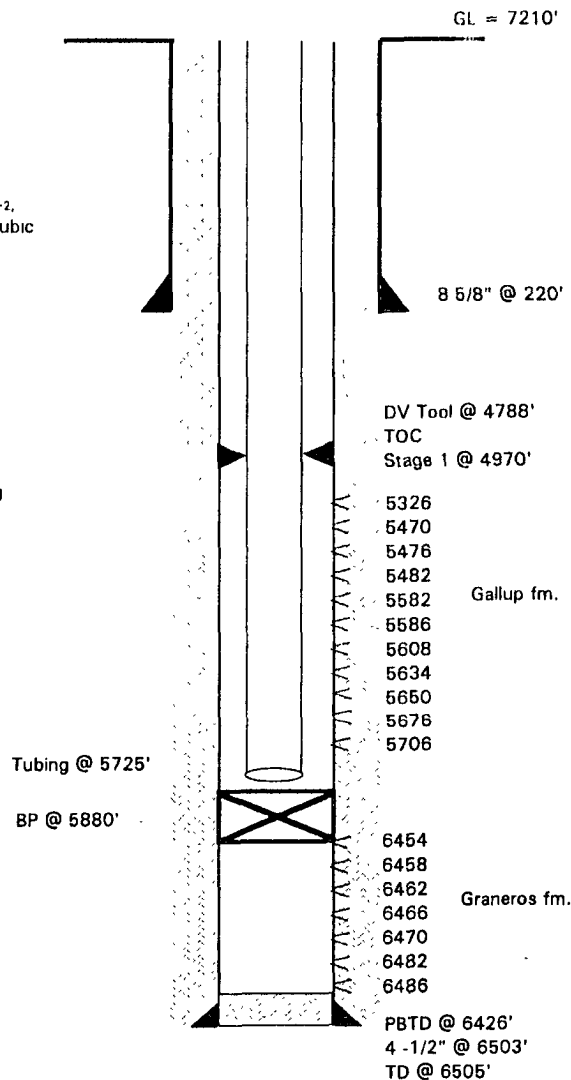
DV tool @ 4788'

TUBING:

Tubing Size	Weight (lb/ft)	Depth Set (MD)
2 3/8"	4.7	5725

PERFORATION RECORD

Depth (MD)	Size (inches)	Number (SPF)
5326	0.39	1
5470	0.39	1
5476	0.39	1
5482	0.39	1
5582	0.39	1
5586	0.39	1
5608	0.39	1
5634	0.39	1
5650	0.39	1
5676	0.39	1
5706	0.39	1
6454	0.39	1
6458	0.39	1
6462	0.39	1
6466	0.39	1
6470	0.39	1
6482	0.39	1
6486	0.39	1



ACID/FRACTURE JOB

Gallup Formation:

1500 gals 7 1/2 % HCL 192,550 gals 70% quality foam
376,000 lbs 20-40 sand 3.8 MMscf N₂
Depth interval: 5326-5706

Graneros Formation:

1500 gals 7 1/2 % HCL 104,927 gals 70% quality foam
180,000 lbs 20-40 sand 2.3 MMscf N₂
Depth Interval 6454-6486

COMMENTS

June 88, Well shut in to perform test on producing zones.

Gallup tested @ 6.25 bbls of oil and 318 Mcf of gas over a 18 hour period

Graneros area abandoned bridge plug set at 5880'

Build test performed on J-1 production from the Gallup. See attached Well Test