

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	2233'	2233	Sand and shale.
2233'	2810'	577	KIRTLAND shale.
2810'	3099'	289	FRUITLAND shale and coral.
3099'	3137'	38	PICTURED CLIFFS sandstone, with coal breaks, shale.
3137'	4820'	1683	LEWIS shale.
4820'	4920'	100	CLIFF HOUSE sandstone.
4920'	5266'	346	Menefee shale.
5266'	5450'	184	POINT LOOKOUT sandstone with shale breaks.
5450'	T. D.	98 1/2	MANCOS shale.

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SKELLY OIL COMPANY

HICKMAN-FEDERAL #1

RIO ARriba COUNTY, NEW MEXICO

DRILL STEM TEST NO. 1 3100' - 3123'

Total Depth 3123'. Packer set at 3100'. 5/8" bottom choke - 1" top choke. Opened tool - light blow of air immediately. Sweet gas to surface in 1 hour and 10 minutes. Show of gas insufficient to test. Tool open 1 hour and 20 minutes. Shut in for 30 minutes. Packer set 1 hour and 45 minutes. Initial Flowing Pressure 90#. Final Flowing Pressure 60#. Shut In Pressure 870#. Hydrostatic Pressure 1410#.

Slope Tests

DEPTH IN FEET	INCLINATION
186	1 degree
731	1/2 degree
950	1/2 degree
1615	1/2 degree
2105	1/4 degree
2398	1/4 degree
2690	0 degree
3055	3/4 degree
3210	1/4 degree
3400	1/4 degree
3583	0 degree
4055	1/2 degree
4387	1/4 degree
4695	3/4 degree



1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets.