Foundation Energy Management, LLC

WELLBORE DIAGRAM

Well / Battery	Prospect Name		Total Depth	Current Status
Taiga Fed 3L-20	Thunder		5,313'	SI
Location	**Sec-Twn-Rng**		**Producing Horizon**	**County & State**
NWSW	20-4S-102W		Mancos	Rio Blanco, CO

WELLBORE DIAGRAM

Prepared Date: 12/16/2014
Prepared By: Austin Anderson

General Info

API #: 05-103-08049

KB Elevation: 8,486'
GL Elevation:

Spud Date: 6/30/77
Completion Date: 8/4/77

TVD: 5,313'
MD: 5,313'
Last PBTD: 5,196'

Tubing Detail

2-3/8" inch(OD)
4.7 # (weight)
J-55 grade

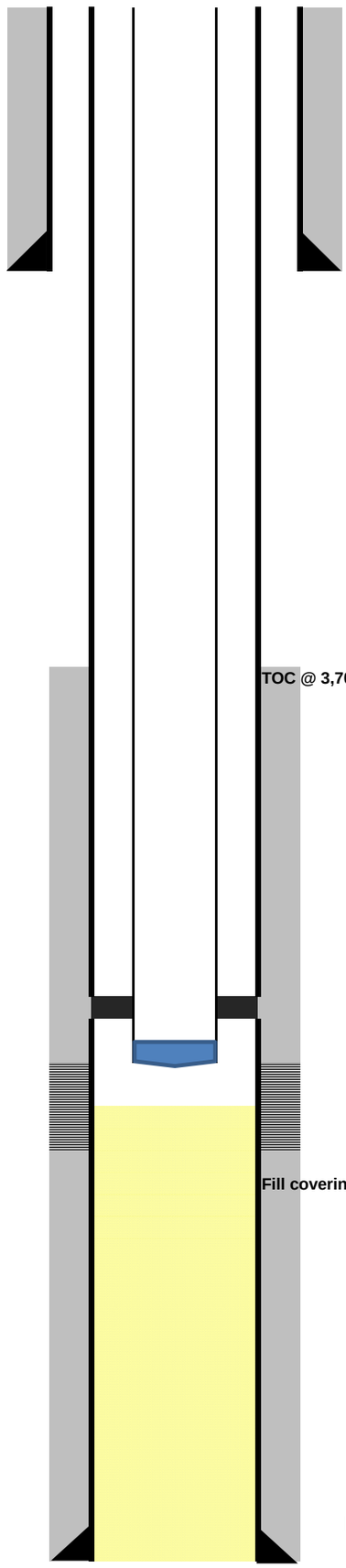
Tubing Tally

	Length	Depth
KB		
148 jts		4656
5-1/2" Packer		
4 jts		
SN		
NC		

Pump Details:

Pumping Unit Details:

Well Notes:
AS-1 arrowset packer set at 6k psi tension



Surface Casing

8-5/8 inch (OD)
24 # (weight)
K-55 grade
305' depth from KB
0' cement top — Visual Returns
200 sacks of cement
12-1/4" inch (OD) HOLE SIZE

Rod Design

	length	depth
		0
		0
		0
		0

Production Casing

5-1/2" inch (OD)
15.5 # (weight)
K-55 grade
5,196' depth from KB
3,700' cement top — CBL
200 sacks of cement
7-7/8 inch (OD) HOLE SIZE

Mancos Perforations

4,766'; 4,769'; 4,772'; 4,779'; 4,781'; 4,789'; 4,791'; 4,818'; 4,822'; 4,826'; 4,847'; 4,850'; 5,095'; 5,097'; 5,099'; 5,109'; 5,111'; 5,121'; 5,124'; 5,128'
20-0.43" holes

Mancos Stimulation

74,000 gal KCl water + 187,000# sand

PBTD: 4,793' (tagged on 12/27/2013)