

Foundation Energy Management, LLC
WELLBORE DIAGRAM

Well / Battery	Prospect Name		Total Depth	Current Status
Hill 31-9-11	DOC III/IV		7,080'	PR
Location	Sec-Twn-Rng		Producing Horizon	County & State
NE SE	31-8N-60W		DSND	Weld, CO

WELLBORE DIAGRAM

Prepared Date: 07-16-2013
Prepared By: Eric Sappington

General Info

API #: 05-123-19627

KB Elevation: 4,936'
GL Elevation: 4,926'

Spud Date: 06-16-1998
Completion Date: 06-21-1998

TVD: 7,080'
MD: 7,080'
Last PBTD: 6,976' (07-02-2013)

Tubing Detail

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

Tubing Tally

	<u>Length</u>	<u>Depth</u>
208 jts 2-3/8" tbg	6693	6693
5-1/2" x 2-3/8" TAC	3	6696
6 jts 2-3/8" tbg	189	6885
SN	1	6886
1 - 6' perf sub	6	6892
1 jt 2-3/8" MA	32	6924

Pump Details:
2" x 1-1/2" x 20' RHBC

Pumping Unit Details:
Bethlehem 320

Well Notes:

Tally correct? 6861' in 204 jts is 33.6 ft/jt avg

Surface Casing

8-5/8"	inch (OD)	
24	# (weight)	
N-24	grade	
527"	depth from KB	
Surface	cement top	Visual
370	sacks of cement	
12-1/4"	inch (OD) HOLE SIZE	

Rod Design

	<u>length</u>	<u>depth</u>
22' polished rod	22	22
1 - 2' x 7/8" sub	2	24
1 - 4' x 7/8" sub	4	28
97 - 7/8" rods	2425	2453
178 - 3/4" rods	4450	6903
4 - 1-1/4" sinker bars	100	7003
20' pump	20	7023

Production Casing

5-1/2" inch (OD)
17 # (weight)
J-55 grade
7,070' depth from KB
5,920' cement top
165 sacks of cement
7-7/8" inch (OD) HOLE SIZE

Open Perforations

6,910' - 6,920' - 40 holes
DSND
0.375"

PBTD: 6,976' (07-02-2013)