

Foundation Energy Management, LLC

WELLBORE DIAGRAM

Well / Battery	Prospect Name		Total Depth	Current Status
Hiawatha 2 (Lion Government 2)	Hiawatha West		4950	SI
Location	Sec-Twn-Rng		Producing Horizon	County & State
NENE	26-12N-101W		Lance, Lewis	Moffat, CO

CURRENT WELLBORE DIAGRAM

General Info

API #: 05-081-05510

Spud Date: 7/17/1958

TVD: 4950'

Surface Casing

10-3/4 inch (OD)
40.5 # (weight)
H-40 grade
268 depth from KB
9 cement top
135 sacks of cement
13-1/2 inch (OD) HOLE SIZE

Production Casing

5-1/2 inch (OD)
15.5 # (weight)
J-55 grade
4926 depth from KB
3500 cement top Estimated
250 sacks of cement
9 inch (OD) HOLE SIZE

HIC possible- well did not hold psi
Will check again after setting CIBP

TOC 3500'

STUCK PKR @3874'

Open Perforations

3895'-3958'

4156'-4172'

4278'-4298'

4310'-4328'

4845'-4878'

TD: 4,950'

Tubing Detail

Item Desc	CD (in)	ID (in)	WT (lb/ft)	Grade	Jts	Len (ft)	Top (ft/S)	Bot (ft/S)
Tubing - New	2 3/8	1.995	4.70	J-55	122	3,803.23	8.0	3,811.2
Tubing - Used	2 3/8	1.995	4.70	J-55	2	62.35	3,811.2	3,873.6
Baker R-3 DG Packer	2 3/8					6.88	3,873.6	3,880.5
Tubing - Used	2 3/8	1.995	4.70	J-55	13	405.26	3,880.5	4,285.7
Cup Type Seating Nipple	2 3/8					1.10	4,285.7	4,286.8

Well Notes:

Formation Info

Fm Name	Src	MD	SS	TVD
519FRLN	3	3,887	2,769	3,887
604LWIS	3	4,276	2,380	4,276
604MVRD *	3	4,845	1,811	4,845
MID_LEWIS_SAND	TAB	4,279	2,377	4,279
MID_LEWIS_SAND_B	TAB	4,340	2,316	4,340
LWR_FTUN_SAND	TAB	3,890	2,766	3,890
LWR_FTUN_UNCONMTY_KT	TAB	4,171	2,485	4,171
ALMD	TAB	4,845	1,811	4,845
ALMD_B	TAB	4,880	1,776	4,880

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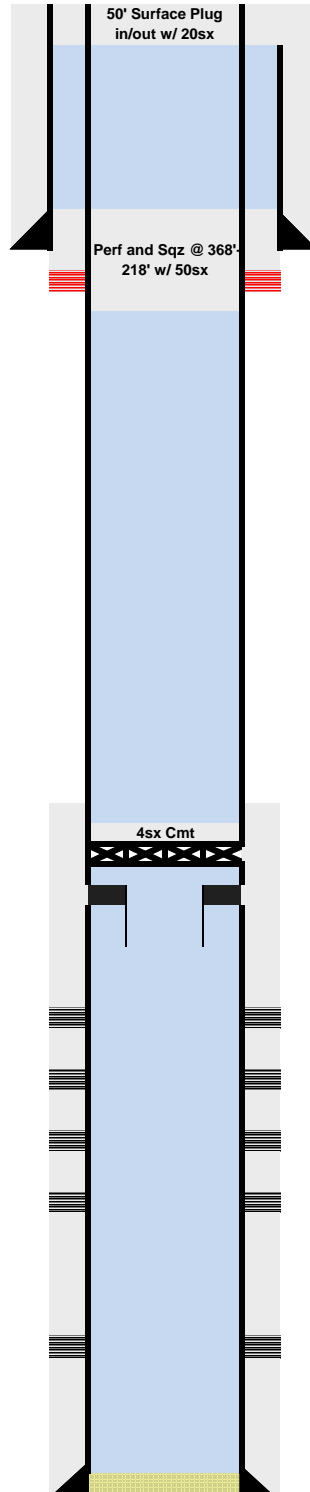
PROPOSED WELLBORE DIAGRAM

General Info

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15.5 # (weight)
J-55 grade
4926 depth from KB
3500 cement top Estimated
250 sacks of cement
9 inch (OD) HOLE SIZE

TOC 3500'

CIBP set between 3845'-3795'

Cut tbg @ 3864

PKR @3874' (STUCK- Cut tbg above and set CIPB)

Open Perforations

3895'-3958'

4156'-4172'

4278'-4298'

4310'-4328'

4845'-4878'

Tubing Detail

Well Notes:

Formation Info

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519FRLIN	3	3.887	2.769	3.887
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LWRL_FTUN_SAND	TAB	3.890	2.766	3.890
LWRL_FTUN_UNCHINTY_KT	TAB	4.171	2.405	4.171
ALMD	TAB	4.845	1.811	4.845
ALMD_B	TAB	4.880	1.776	4.880