



WELLBORE DIAGRAM

Current as of 3/30/2026

Well Name Hebron 3-12H

Operator Fulcrum Energy Operating LLC - 10805
Site / Pad Hebron 3-12H -
SHL Location Latitude 40.596919 / Longitude --106.426358
Location SEC 12, TWP 7N, RGE 81W
County Jackson, CO
API Number 05-057-06498 0000

WELLBORE #00

KB 13 ft
 KB 8,145 ft
 GR 8,132 ft

CEMENT DETAILS

13.5" Open Hole to 1,381 ftKB TVD / 1,385 ftKB MD
 Casing: 9-5/8" 36# STC K-55 8rd csg ran on 7/14/2013 New to 1368 ftKB MD
 Cement: 910 sks (15.2ppg - 1.18 cf/Sk - 191.2 bbl)
Cement Top at 13 ftKB TVD/MD
 Cement Bottom at 1,364 ftKB TVD / 1,368 ftKB MD

Production Casing:

8.75" Open Hole to 6,380 ftKB TVD / 10,545 ftKB MD
 Casing: 5-1/2" 23 lb/ft P110 LTC New to 6,380 ftKB TVD / 10,498 ftKB MD
 Cement: 1005 sks (15.5 ppg - 1.68 cg/SK)
 Cement Top at 5,784 ftKB TVD / 5814 ftKB MD
 Cement Bottom at 6,380 ftKB TVD / 10,498 ftKB MD

Squeeze:

5882 to surface - squeeze outside of 5 -1/2"
 750 sks squeeze from 5882
 100 sks 1" from 2098
 165 sks 1" from 1345

Casing Shoe:
 1,364 ft / 1,368 ft

PRODUCTION ASSEMBLY

Tubing String Detail	<u>Top, ftKB</u>	<u>Bottom, ftKB</u>	<u>Length, ft</u>
Tubing 2-7/8" 6.5 lb/ft L80	14	5891.1	5877
X Nipple	5891.1	5892.1	1.00
Tubing 2-7/8" 6.5 lb/ft L80	5892.1	5957.0	64.94
On/Off Tool	5957.0	5958.4	1.35
AS-1X Packer	5958.4	5965.7	7.32
Bull Plug	5965.7	5966.3	0.63
			Total Length ~5966.3

Rod String Detail	<u>Top, ftKB</u>	<u>Bottom, ftKB</u>	<u>Length, ft</u>
Polish Rod	0	25	25
67 - 7/8" Sucker Rod - Grade D	25	1700	1675
140 - 3/4" Sucker Rod - Grade D	5200	5700	3500
20 - 3/4" Sucker Rod - Grade D	5700	5704	500

Perforations

Interval Name/ Depth (ft)	# of Perfs	Mid-perf Depth (ft)
Toe Interval / 10462 - 10466	1	6385
Perforation Interval 1 / 10270 - 10380	48	6385
Perforation Interval 2 / 10075 - 10150	48	6385
Perforation Interval 3 / 9915 - 9975	48	6385
Perforation Interval 4 / 9650 - 9775	48	6385
Perforation Interval 5 / 9455 - 9560	48	6385
Perforation Interval 6 / 9244 - 9355	48	6385
Perforation Interval 7 / 9050 - 9155	48	6385
Perforation Interval 8 / 8840 - 8925	48	6385
Perforation Interval 9 / 8650 - 8700	48	6385
Perforation Interval 10 / 8450 - 8575	48	6385
Perforation Interval 11 / 8250 - 8300	48	6385
Perforation Interval 12 / 8065 - 8125	48	6385
Perforation Interval 13 / 7850 - 7950	48	6385
Perforation Interval 14 / 7752 - 7760	48	6385
Perforation Interval 15 / 7560 - 7568	48	6385
Perforation Interval 16 / 7325 - 7333	48	6385
Perforation Interval 17 / 7100 - 7190	48	6385
Perforation Interval 18 / 6925 - 6950	48	6385
Perforation Interval 19 / 6590 - 6598	48	6385
Perforation Interval 20 / 6325 - 6400	48	6385

Completion History

Initial fracture stimulation completion 56,962 bbls total fluid 3,838,721 lbs total Ottawa proppant (20/40 & 40/70) 20 stages / 48 perfs per stage
 * Float collar drilled out and initial frac stage 0 pumped thru float shoe

Cement Squeeze: To Surface

Lateral Point 6159 ft / 6323 ft

TOC: 5,784 ft / 5814 ft - BEFORE SQUEEZE
Squeeze: 5882 ft md - 750 sks
Top of Niobrara: 5836 ft / 5866 ft

KOP 5901 ft / 5934 ft

Total Cased Depth: 6,380 ftKB TVD / 10,498 ftKB MD
Total Drilled Depth 6,380 ftKB TVD / 10,545 ftKB MD

Perforation History

Initial perforated interval 6,319 ftKB MD thru 10,462 ftKB MD, 961 holes

8.75" Open Hole to 6,380 ftKB TVD / 10,545 ftKB MD
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