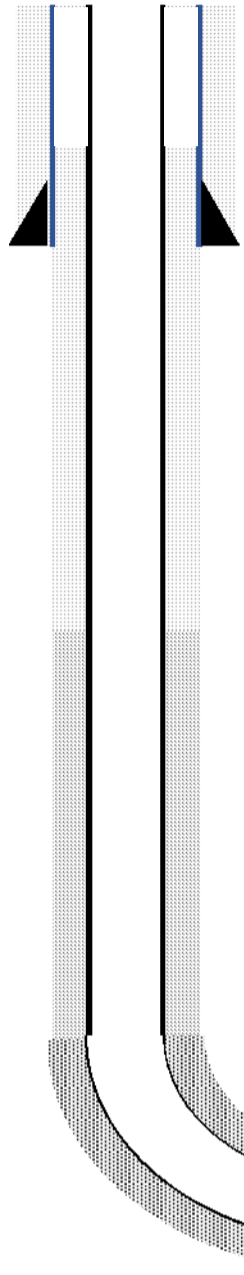


Operator: KERR-MCGEE OIL AND GAS ONSHORE LP **Spud:** 1/13/2018 **Date:** 4/14/2026
Well: HAMMER 3-1HZ **Date TD Reached:** 4/3/2018
API#: 0512345118 **GL:** 5044 **KB:** 5064
County, State: WELD, COLORADO **TMD:** 16796 **TVD:** 7508
Lat/Long: 40.076617 / -104.997524 **PBMD:** 16782 **PBTVD:** 7504
Location: 1N 68W 3 FNL FEL
Directions: WCR 12 & WCR 7 E 1/10, N 2/10, NW 300' into



Surface Hole: 13.5"
Surface Casing: 9.625",
36#, J-55, LTC, LT&C,
Top @ 20, Btm @ 1862
Surface TOC: 20

Tubing Set Depth: 2.375 @ 6894.0'

Top Perf @ 8073.0 Bottom Perf @ 16765.0

Production Hole: 7.875"
Production Casing: 5.5", 17#, HC P110, BPN, Top @ 20, Btm @ 16789
Production Casing TOC: 1220.0'

OHTD: 16796

Hole Sections:

WB_NO	HOLE_SIZE	TOP	BOTTOM	TD_DATE
00	20.0	100.0	11/15/2017	
00	13.500	100.0	1872.0	01/14/2018
00	7.875	1872.0	16796.0	04/05/2018

Formation Tops: Perforations

FORMATION	NAME	TOP	MD	BTM	MD	TOTAL	_PERFS
NIOBRARA	B	8073.0	16765.0	960			

Additional Equipment:

COMP	TOP	BTM	COMP	NAME
WBEQP	7068.9	7069.5	Tubing	WELLBORE EQUIPMENT

Cement Jobs:

ASSEMBLY_NAME	JOB_TYPE	SACKS_USED	FLUID_TYPE	SLURRY_DESC	TOP	BTM	CBL	LOG_TOC_MD
SURFACE CASING	Primary	698.0	LEAD	STANDARD	20.0	1862.1	No	
SURFACE CASING	Primary		PRE FLUSH	WATER	20.0	20.0	No	
SURFACE CASING	Primary		DISPLACEMENT	WATER	20.0	1820.9	No	
PRODUCTION CASING	Primary		DISPLACEMENT	WATER			Yes	1220.0
PRODUCTION CASING	Primary	1070.0	TAIL	LITE	7000.0	16796.0	Yes	1220.0
PRODUCTION CASING	Primary		SPACER	GEL SPACER			Yes	1220.0
PRODUCTION CASING	Primary	420.0	LEAD	TXI	2500.0	7000.0	Yes	1220.0