
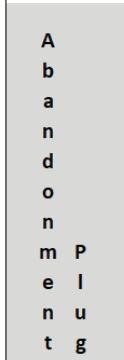


Bishop A18-742 – Wellbore Diagram

KICKOFF PLUG WELL PLAN		Bishop A18-742 SHL: Sec7-T6N-R64W Weld County, Colorado						DRAWING NOT TO SCALE
Kick-Off Plug Schematic								
	HOLE	CASING	GEOLOGY	MD	TVD	INC	MUD	
	13 1/2"	9 5/8" 36# J-55 LTC	Fox Hills	< 500'	< 500'	0	WBM	
			Pierre Aquifer Base	1572'	1547'	19.5		
			Surface Casing Point	2083'	2029'	19.5		
	8 1/2"	Open Hole	Parkman	3837'	3683'	19.5	10.1 ppg OBM	
			Sussex	4458'	4268'	19.5		
			KOP	4822'	4609'	19.5		
			Bottom of CMT 5463'					
			Bottom of CMT 6063'					
			Top of Fish 6075'					
			Top of Fish	6075	5795	19.5		

Well Bishop A18-742

Wellbore Bishop A18-742

Field Wells Ranch

Country United States of America (the)

Surface Coord. 40°30'19.3824"N, 104°35'08.0916"W

Coord. System NAD83 Colorado State Plane, Northern Zone, US Feet

Total Depth (TVD) 6932 ft

Total Depth (MD) 17768 ft

MSL 0 ft

GL (ref MSL) 4740 ft

RKB (ref GL) 29 ft

Rig Patterson 268

API # / UWI 051235071

Date 16:18 28-Dec-2023

Run	WBG	Formation Tops	Casing	
MD 29 ft	TVD 29 ft			
<p>Drilling run 1 13.5 in Type: Drilling run</p>		<p>Upper Pierre Aquifer Top : MD / TVD: 532.66 / 532.66 ft Pierre Shale (Upper Pierre Aquifer Base) : MD / TVD: 1571.63 / 1547.29 ft</p>	<p>9.625 inch, 36 lb/ft, J55, LTC Type: Surface Casing OD: 9.625 in ID: 8.921 in Drift: 8.765 in Start MD / TVD: 29 / 29 ft End MD / TVD: 2073 / 2019.8 ft Grade: J55 Weight: 36 lbm/ft Connection: LTC</p> <p>CIT: 8.3 lbm/gal -2500 psi</p>	
2083 ft		2029.22 ft		
2083 ft		2029.22 ft	<p>Parkman : MD / TVD: 3837.18 / 3682.39 ft Sussex : MD / TVD: 4458.5 / 4267.94 ft Shannon : MD / TVD: 5281.2 / 5043.27 ft Tepee Buttes : MD / TVD: 6260.62 / 5966.29 ft Curve: MD / TVD: 6483.33 / 6176.18 ft Intra Sharon Springs Marker : MD / TVD: 7097.3 / 6729.05 ft Top of Nio: MD / TVD: 7136.99 / 6756.66 ft 300' into Nio: MD / TVD: 7436.99 / 6903.46 ft Lateral: MD / TVD: 7629 / 6930.99 ft</p>	<p>5-1/2" 17 lb/ft P110ICY W461 Type: Production Casing OD: 5.5 in ID: 4.892 in Drift: 4.767 in Start MD / TVD: 29 / 29 ft End MD / TVD: 17789.88 / 6930.99 ft Grade: P110ICY Weight: 17 lbm/ft Connection: W461</p>
17799.88 ft	6930.99 ft			