



8 1/2" K3 Diamond Sidetrack Bit Pecos County / Wolfcamp

TIME LOGS											
Start Time	End Time	Duration (hr)	Start Depth (ft)	End Depth (ft)	Description						
12/15 6:00	12/15 12:30	6.50	12,364	12,364	TRIP IN HOLE WITH 8.5" PANCAKE SIDETRACK ASSEMBLY. TIH AT 100' MIN. TO 11190'. NO ISSUES ON TRIP IN HOLE.						
12/15 12:30	12/16 6:00	17.50	11,160	11,220	WORK PIPE AND TROUGH F/11,160' T/11,194' AT AT 150° AZI TOOL FACE. TIME DRILL F/11194' T/11203' DRILL 1 FT/HR FOR 7 HRS, TIME DRILL 1" EVERY 2 MIN. 2.5' PER HR., F/11203' T/11209', TIME DRILL 1" EVERY 1 MIN. 5' PER HR., F/11209' T/11220'						
CASING SECTIONS											
Description	Run Date	Set Depth (ft)	TVD (ft)	OD (in)	ID (in)	Length (ft)	Grade	Weight/Len	Connection		
CONDUCTOR	11/22/2018	145	145	20.000	19.875	145.00					
Surface	11/26/2018	1,510	1,509	13.375	12.615	1,514.54	J-55	54.5	BTC		
Intermediate #1	11/29/2018	5,038	5,035	10.750	9.950	5,038.80	L-80	45.5	BTC		
DRILLING PARAMETERS											
Start / End Depth (ft)	BIT #	Hours	ROP	WOB	RPM	Torq	Flow (galUSMin)	DIFF (psi)	Press(psi)	Slide Time (hr)	Rotating Time (hr)
11160 / 11220	9	17.5	3	25.00	0.00	0.00	400.00	60.00	2,300.00	17.5	0.0
MUD REPORTS											
Fluid Report # 1											
Date / Time 12/15/2018 11:00:00 PM	Density (lb/gal) 8.60	Viscosity 56.00	HTHP (degF) 300.00	Filtrate (mL) 3.00	Cake (in32) 2.00	PV (cP) 14.00	YP (lbf100ft^2) 11.00	pH	WPS (ppm) 317,846		
Chloride (mg/L) 52,000.00	Solids (%) 5.80	Water (%) 19.00	Oil (%) 81.00	Sand (%)	LGS (%) 4.80	LCM (lbmbbl)	ES (V) 525.00	OBM	Gels 11 / 14 / 16		
MUD LOGGER DATA											
Background Gas (%) 49.00%		Max Gas (%) 316.00%		Connection Gas (%) 323.00%		Lithology Cuttings		Description 90% SHALE 10% LIMESTONE			
Bits											
#	Make	Model	DULL Grade	OD (in)	Start (ft)	Stop (ft)	ROP Avg	Hrs	Total Hrs	Total (ft)	
9	SHORT	X289		8.500	11,160	11,220	3	17.50	17.50	60	
7	SECURITY	GT64D	3-2-BT-S-X-I-CT-BHA	8.500	10,141	12,364	56	9.75	39.25	2,223	
6	ULTERRA	CF613	1-3-WT-S-X-I-WT-BHA	8.750	9,050	10,141	39	1.00	36.25	1,091	

8 1/2" K3 Diamond Sidetrack Bit Pecos County / Wolfcamp



Serial Number X-289 had one rental run previous to this and was used to time drill at 1 fph for 7 hours to get a lip started...then 1" every 2 min (2.5 fph) and 1" every minute at 5 fph for remainder of 60 feet.

Before

After 2nd Use: the diamonds are still in API gage and the PDC trimmers will be replaced and brought back to 8.500" for further rental use.