

NOV products drill longest distance

Performance
Summary

ReedHycalog™ 6" SK516M drill bit, NOV lateral motor, and NOV Agitator™ drills Bakken lateral section at a high ROP

Challenge:

Drilling the 6" Bakken lateral section with a single BHA, while maintaining a high ROP.

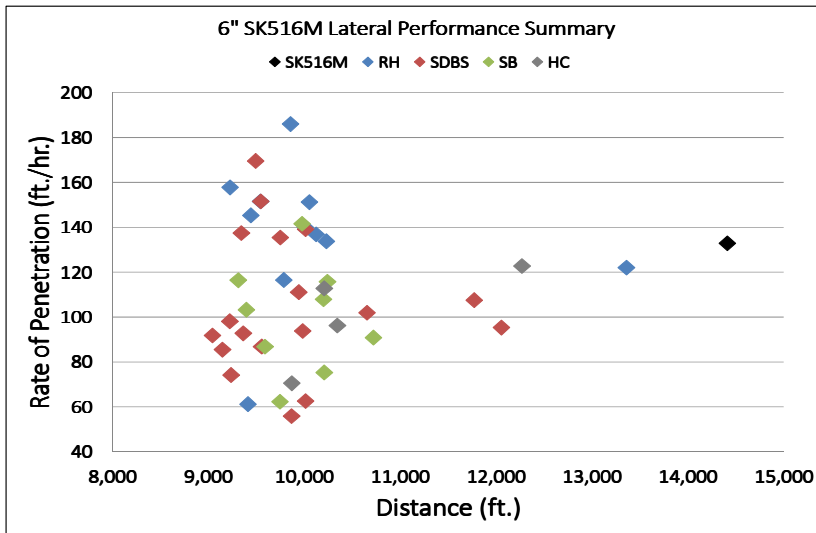
Solution:

A major operator, in the Williston Basin, ran a NOV drilling system to finish the production section of a Bakken lateral well. A 6" SK516M drill bit was combined with a 5" 6/7 lobe, 8.0 stage, 0.8 rpg *ERT™* power section and 5½" Series 36A bearing pack, as well as a 5" *Agitator* in water-based mud. A 2,084 ft. sidetrack was also drilled by the NOV drilling system in the section.

County	McKenzie
State	North Dakota
Country	USA
Date	Q1 2016
Lithology	Middle Bakken Siltstone

Results:

- Drilled 14,413 ft., including a 2,084 ft. sidetrack
- TD'd lateral section
- 29% increase in average ROP
- 44% increase in distance drilled



6" SK516M



MFR.	# of Bits	Depth In (ft.)	Depth Out (ft.)	Distance (ft.)	IADC Hours	ROP (ft./hr.)
SK516M	1	11,501	23,830	14,413	109	133
RH	11	11,361	21,531	10,097	80	127
SDBS	18	11,359	21,164	9,715	77	126
SB	9	11,504	20,986	9,480	98	96
HC	4	11,472	22,433	10,944	99	110
Offset Avg.	42	11,359	21,412	10,029	98	103
Delta	-	1%	11%	44%	11%	29%

Offsets include all 6" lateral bit runs that drilled over 9,000 ft. for this operator since January 2015 in the Williston Basin, USA.