

# NOV bit & motor combo sets operator record

Performance  
Summary

*ReedHycalog™ 8¾" SK516M drill bit & 6¾" ERT™ motor complete fastest curve section for operator*

## Challenge:

Drilling the 8¾" curve section with a single BHA from KOP to intermediate casing depth, while maintaining a high ROP.

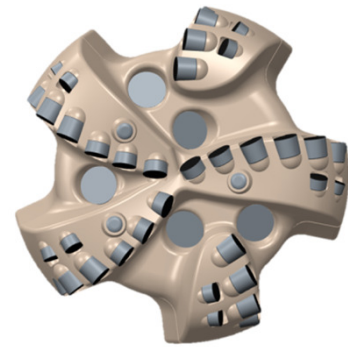
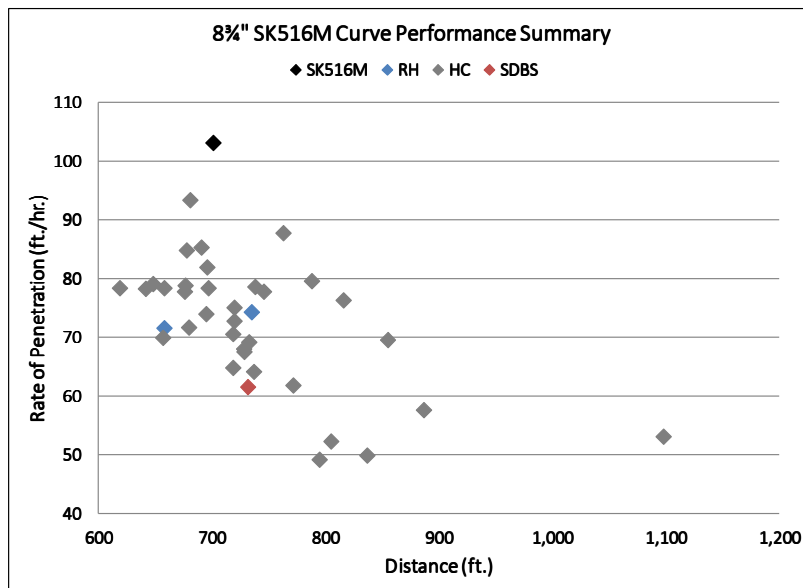
## Solution:

A major operator, in the Williston Basin, ran a 8¾" SK516M drill bit to finish the curve section of a Bakken lateral well. The SK516M was paired with a NOV 6¾" 4/5 lobe, 7.0 stage, 0.5 rpg ERT motor in oil-based mud.

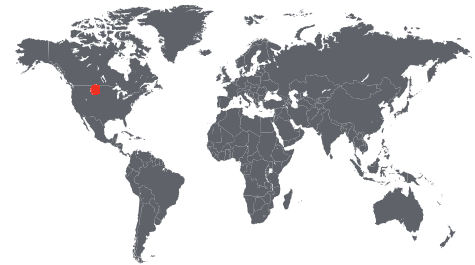
County	McKenzie
State	North Dakota
Country	USA
Date	Q4 2015
Formations	Lodgepole, Bakken

## Results:

- Drilled 701 ft. with an average ROP of 103 ft./hr.
- 49% increase in average ROP
- Set operator record for fastest curve section



8 3/4" SK516M



MFR.	# of Bits	Depth In (ft.)	Depth Out (ft.)	Distance (ft.)	On-Bottom Hours	ROP (ft./hr.)
SK516M	1	10,146	10,847	701	6.8	103
RH	2	9,026	9,723	697	9.6	73
HC	35	8,997	9,718	733	10.6	69
SDBS	1	9,206	9,938	732	11.9	62
Offset Avg.	38	9,004	9,724	731	10.5	69
Delta	-	13%	12%	-4%	-35%	49%

Offsets include all 8¾" curve bit runs that drilled the section with a single BHA for this operator in the Williston Basin since Jan. 1, 2015.