Bison Oil and Gas II, Kissinger LAE, Ross 6-44-20 1 H

Well Name: Bison Oil and Gas II, Kissinger LAE, Ross 6-44-20 1 H
Surface Location: 1,000' FSL & 1,000' FEL
Sec. 20 T 153 N R 100 W
Williams County, ND
Field: Wildcat
Pool: Bakken
Elevation: GL: 2,000' KB: 2,030'
Spud Date: 10/10/2014
Drilling Completed: 10/20/2014
Surface Coordinates: 48° 10' 30.12" N 103° 28' 54.72" W
Bottom Hole Coordinates: 48° 10' 30.12" N 103° 28' 54.72" W
Ground Elevation: 2,000' Log Elevation: 2,030'

Operator	
Company:	Bison Oil and Gas II
Address:	1000 Main Street, Suite 2900
City:	Houston
State:	TX
Zip:	77002
Attn:	Mr. Jeff Ross
Phone:	713-651-1144

Contractor	
Company:	Nabors
Rig:	149
Address:	
City:	
State:	
Zip:	
Attn:	
Phone:	

Survey Company	
Company:	Ryan
Engineer:	
Address:	
City:	
State:	
Zip:	
Phone:	

Directional Drillers	
Company:	Nabors
Name:	Mike Lee
Name:	Jeff Hall
Name:	Jeff Hall
Name:	Jeff Hall

Mud Logger	
Company:	Nabors
Name:	Mike Lee
Name:	Jeff Hall
Name:	Jeff Hall
Name:	Jeff Hall

Mud Type	Mud Co.	Weight	Viscosity	Chlorides
Fresh Water		8.4 - 9.0	26 - 28	0 - 2,000
Invert	Nabors	9.0 - 10.0	40 - 50	20,000 - 30,000
Brine	Nabors	9.5 - 10.0	28 - 30	180,000 - 200,000

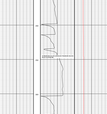
Casing	
Surface:	9 5/8" 36# J-55 @ 2,100'
Intermediate:	7" 29# P-110 @ 11,000'
Production:	4 1/2" 13.5# P-110 @ 20,500'

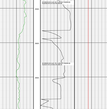
Open Hole	
Surface:	13 1/2"
Intermediate:	8 3/4"
Production:	6"

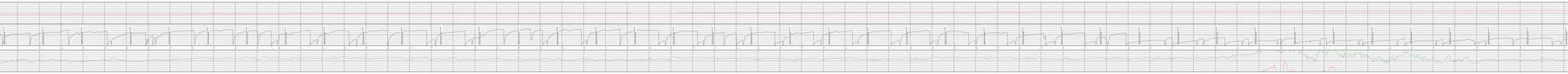
Bit	Size	Type	Jets	Depth In	Depth Out	Footage	Hours	ROP	WOB	RPM	SPP	Pump Size	Liner	SPM	GPM
1	13 1/2"	PDC	6 x 20	0'	2,100'	2,100'	16.5	127.3	20	60	2,500	6 1/2" x 8"	6"	120	1,000
2	8 3/4"	PDC	6 x 20	2,100'	11,000'	8,900'	72.5	122.8	25	60	3,000	6 1/2" x 8"	6"	120	1,000
3	6"	PDC	6 x 20	11,000'	20,500'	9,500'	85.5	111.1	30	60	3,500	6 1/2" x 8"	6"	120	1,000

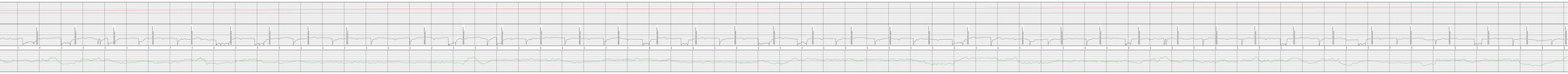
Survey	MD	Inc	Azi	TVD	VS	N/S	E/W	DLS
1	0'	0.00°	0.00°	0'	0'	0'	0'	0.00°
2	2,100'	0.00°	0.00°	2,100'	0'	0'	0'	0.00°
3	11,000'	90.00°	90.00°	10,900'	8,900'	0'	8,900'	0.00°
4	20,500'	90.00°	90.00°	10,900'	18,400'	0'	18,400'	0.00°

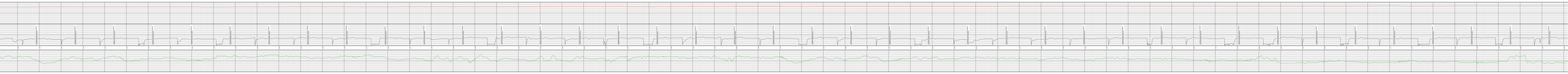
Directional Plan: Bison Oil and Gas II, Kissinger LAE, Ross 6-44-20 1 H (Plan #1) Directional Plan: Bison Oil and Gas II, Kissinger LAE, Ross 6-44-20 1 H (Plan #1)

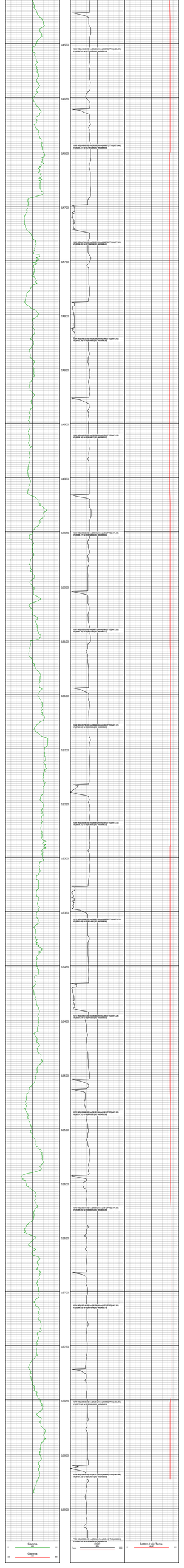








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