SRC PHELPS A-32CHZ

MD
5":100'

Company:	Synergy Resources
Well Name:	SRC PHELPS A-32CHZ
API:	05 123 37581 00
Rig Id:	Ensign 17
State:	CO
County/Parish:	Weld
Country:	USA
Survey Company:	Ensign Directional
Job number:	
Company Man	Ray Hoffman
Geologist	Mark Scanniello
Directional Driller 1	Chris Saykally
Directional Driller 2	Brett Blank
MWD 1	Brice Burkhardt
MWD 2	Zach Hansberger

Log measurements:
Depth measured from:
Maximum temperature:

	Depth	Date
Start:	1214 ft	1-8-2014
End:	12118 ft	1-22-2014

Casing	Depth	Size
Surface:	1198	9.625
Intermediate:	8049	7

Mud Type:
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 5031
GL: 5019
DF: 5031

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	12.75	-1.00	-1.00	0	1214	1-6-2014	1-7-2014
2	8.75	53.21	48.21	1214	8059	1-8-2014	1-14-2014
3	6.125	60.54	55.45	9152	12118	1-18-2014	1-22-2014
4							
5							
6							
7							
8							
9							
10							

FROM MD 8059-9152 HALLIBURTON LOGGED ON WELL. Ensign took over at 9152 - TD

Ensign Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

#142 MD(10353.00) Inc(90.7) Azm(267.1) TVD(7626.26) VS(2768.88) NS(671.44) EW(-2698.92)

#143 MD(10416.00) Inc(90.7) Azm(266.5) TVD(7625.49) VS(2830.55) NS(667.92) EW(-2761.81)

#144 MD(10480.00) Inc(88.0) Azm(268.5) TVD(7626.22) VS(2893.35) NS(665.13) EW(-2825.74)

#145 MD(10543.00) Inc(87.8) Azm(269.0) TVD(7628.53) VS(2955.38) NS(663.76) EW(-2888.68)

#146 MD(10607.00) Inc(88.3) Azm(271.3) TVD(7630.71) VS(3018.65) NS(663.93) EW(-2952.64)

#147 MD(10670.00) Inc(87.9) Azm(270.1) TVD(7632.80) VS(3081.02) NS(664.70) EW(-3015.60)

#148 MD(10734.00) Inc(88.0) Azm(270.4) TVD(7635.09) VS(3144.30) NS(664.97) EW(-3079.56)

#149 MD(10797.00) Inc(88.3) Azm(271.8) TVD(7637.12) VS(3206.73) NS(666.18) EW(-3142.51)

#150 MD(10861.00) Inc(87.9) Azm(271.8) TVD(7639.24) VS(3270.25) NS(668.19) EW(-3206.44)

#151 MD(10924.00) Inc(89.3) Azm(272.5) TVD(7640.78) VS(3332.83) NS(670.56) EW(-3269.38)

#152 MD(10988.00) Inc(89.3) Azm(272.2) TVD(7641.56) VS(3396.45) NS(673.18) EW(-3333.32)

#153 MD(11051.00) Inc(89.5) Azm(271.5) TVD(7642.22) VS(3459.01) NS(675.21) EW(-3396.28)

#154 MD(11115.00) Inc(90.5) Azm(270.6) TVD(7642.22) VS(3522.46) NS(676.39) EW(-3460.27)

#155 MD(11178.00) Inc(90.7) Azm(269.7) TVD(7641.56) VS(3584.77) NS(676.55) EW(-3523.27)

#156 MD(11242.00) Inc(90.3) Azm(269.0) TVD(7641.00) VS(3647.94) NS(675.82) EW(-3587.26)

#157 MD(11305.00) Inc(90.0) Azm(269.4) TVD(7640.84) VS(3710.10) NS(674.95) EW(-3650.25)

#158 MD(11369.00) Inc(90.7) Azm(268.5) TVD(7640.45) VS(3773.19) NS(673.77) EW(-3714.24)

#159 MD(11432.00) Inc(90.8) Azm(269.4) TVD(7639.62) VS(3835.30) NS(672.62) EW(-3777.22)

#160 MD(11496.00) Inc(91.0) Azm(270.1) TVD(7638.62) VS(3898.53) NS(672.34) EW(-3841.22)

#161 MD(11559.00) Inc(91.3) Azm(269.9) TVD(7637.35) VS(3960.82) NS(672.34) EW(-3904.20)

#162 MD(11623.00) Inc(91.5) Azm(269.9) TVD(7635.79) VS(4024.06) NS(672.23) EW(-3968.18)

#163 MD(11686.00) Inc(91.2) Azm(269.5) TVD(7634.31) VS(4086.29) NS(671.90) EW(-4031.16)

#164 MD(11750.00) Inc(90.4) Azm(269.4) TVD(7633.41) VS(4149.47) NS(671.28) EW(-4095.16)

#165 MD(11813.00) Inc(90.2) Azm(268.5) TVD(7633.08) VS(4211.58) NS(670.13) EW(-4158.14)

#166 MD(11877.00) Inc(90.2) Azm(268.1) TVD(7632.86) VS(4274.56) NS(668.23) EW(-4222.11)

#167 MD(11940.00) Inc(90.2) Azm(268.8) TVD(7632.64) VS(4336.57) NS(666.53) EW(-4285.09)

#168 MD(12004.00) Inc(89.1) Azm(269.5) TVD(7633.03) VS(4399.71) NS(665.58) EW(-4349.08)

#169 MD(12063.00) Inc(88.9) Azm(268.7) TVD(7634.06) VS(4457.89) NS(664.65) EW(-4408.06)