Jagged 8N

MD 2":100'

Company: PDC Energy Inc
Well Name: Jagged 8N
API: 05-123-45884-00
County/Parish: WELD
State: COLORADO
Country: USA
Job number: 152-200
Field: Wattenberg
Rig Id: Ensign 152
Survey Company: Ensign Directional
DD1 Jesus Gallego
DD2 Dan Hanson
DD3 Eric Cherry
MWD1 Chad Anderson
MWD2 Terry Ash

Log measurements: Gamma, ROP
Depth measured from:
Maximum temperature:

Depth		Date
Start:	0 ft	4-28-2019
End:	11975 ft	5-1-2019

Casing	Depth	Size
Surface:		9 5/8"
Intermediate:		

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

Elevations
KB: 23 ft
GL: 4772 ft
DF: 4795 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	12 1/4"	63.27 ft	60.61 ft	0 ft	1690 ft	4-28-2019	4-29-2019
2	8 1/2"	58.44 ft	58.44 ft	1690 ft	11975 ft	4-30-2019	5-1-2019
3							
4							
5							
6							
7							
8							
9							
10							

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.

Gamma
API
0.0 300.0
300.0 600.0
TVD
ft
0.0 12550.0
12550.0 25100.0
MD
ROP
0
0.0 800.0
800.0 1600.0
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
8000
8100
8200
8300
8400
8500
8600
8700
8800
8900
9000
9100
9200
9300
9400
9500
9600
9700
9800
9900
10000
10100
10200
10300
10400
#15 MD(1486.00) Inc(11.3) Azm(165.4) TVD(1474.43)
#16 MD(1581.00) Inc(10.5) Azm(163.8) TVD(1567.72)
#17 MD(1630.00) Inc(9.6) Azm(164.3) TVD(1615.96)
#18 MD(1771.00) Inc(8.6) Azm(156.4) TVD(1755.19)
#19 MD(1866.00) Inc(9.5) Azm(166.6) TVD(1849.02)
#20 MD(1961.00) Inc(9.2) Azm(167.0) TVD(1942.76)
#21 MD(2056.00) Inc(9.5) Azm(167.1) TVD(2036.63)
#22 MD(2151.00) Inc(10.5) Azm(167.2) TVD(2130.32)
#23 MD(2246.00) Inc(10.5) Azm(167.1) TVD(2223.72)
#24 MD(2341.00) Inc(9.4) Azm(166.7) TVD(2317.29)
#25 MD(2437.00) Inc(8.2) Azm(164.9) TVD(2412.16)
#26 MD(2532.00) Inc(10.2) Azm(162.2) TVD(2505.93)
#27 MD(2627.00) Inc(9.8) Azm(161.2) TVD(2599.48)
#28 MD(2723.00) Inc(9.8) Azm(161.0) TVD(2694.07)
#29 MD(2818.00) Inc(9.6) Azm(160.1) TVD(2787.72)
#30 MD(2913.00) Inc(9.2) Azm(159.4) TVD(2881.44)
#31 MD(3031.00) Inc(8.5) Azm(158.5) TVD(2998.03)
#32 MD(3125.00) Inc(10.1) Azm(159.0) TVD(3090.79)
#33 MD(3221.00) Inc(8.6) Azm(160.1) TVD(3185.52)
#34 MD(3316.00) Inc(7.7) Azm(158.0) TVD(3279.56)
#35 MD(3411.00) Inc(9.9) Azm(156.2) TVD(3373.43)
#36 MD(3506.00) Inc(10.3) Azm(154.6) TVD(3466.95)
#37 MD(3601.00) Inc(11.5) Azm(157.6) TVD(3560.23)
#38 MD(3697.00) Inc(10.6) Azm(155.5) TVD(3654.44)
#39 MD(3792.00) Inc(10.6) Azm(154.5) TVD(3747.82)
#40 MD(3887.00) Inc(10.5) Azm(153.6) TVD(3841.23)
#41 MD(3982.00) Inc(10.0) Azm(153.7) TVD(3934.71)
#42 MD(4077.00) Inc(9.7) Azm(155.7) TVD(4028.31)
#43 MD(4173.00) Inc(12.1) Azm(164.3) TVD(4122.57)
#44 MD(4268.00) Inc(11.0) Azm(164.3) TVD(4215.64)
#45 MD(4364.00) Inc(10.1) Azm(162.1) TVD(4310.02)
#46 MD(4459.00) Inc(9.9) Azm(160.7) TVD(4403.58)
#47 MD(4555.00) Inc(13.2) Azm(163.0) TVD(4497.62)
#48 MD(4650.00) Inc(11.4) Azm(157.9) TVD(4590.44)

#108 MD(10567.00) Inc(90.2) Azm(269.6) TVD(6809.39)

#109 MD(10663.00) Inc(90.8) Azm(269.4) TVD(6808.49)

#110 MD(10759.00) Inc(91.7) Azm(269.3) TVD(6806.40)

#111 MD(10855.00) Inc(88.9) Azm(269.2) TVD(6805.92)

#112 MD(10950.00) Inc(88.2) Azm(269.0) TVD(6808.33)

#113 MD(11046.00) Inc(88.8) Azm(268.4) TVD(6810.86)

#114 MD(11142.00) Inc(89.2) Azm(268.2) TVD(6812.56)

#115 MD(11238.00) Inc(89.4) Azm(268.2) TVD(6813.75)

#116 MD(11334.00) Inc(89.7) Azm(268.2) TVD(6814.55)

#117 MD(11429.00) Inc(89.2) Azm(268.3) TVD(6815.51)

#118 MD(11525.00) Inc(89.5) Azm(267.9) TVD(6816.58)

#119 MD(11620.00) Inc(89.6) Azm(267.4) TVD(6817.33)

#120 MD(11716.00) Inc(89.8) Azm(267.2) TVD(6817.87)

#121 MD(11811.00) Inc(90.5) Azm(266.8) TVD(6817.65)

#122 MD(11907.00) Inc(91.1) Azm(265.9) TVD(6816.33)