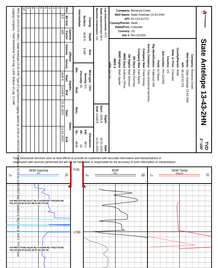

State Antelope 13-43-2HN

TVD
2":100'

Total Directional

Company: Bonanza Creek
Well Name: State Antelope 13-43-2HN
API: 05-123-51723
County/Parish: Weld
State/Prov: Colorado
Country: US
Job #: Rm-221555

Company: Bonanza Creek
Well Name: State Antelope 13-43-2HN
API: 05-123-51723
County/Parish: Weld
State or Prov: Colorado
Country: US
Job number: Rm-221555
Field: DJ Basin
Rig Identification: Patterson 345
Survey Company: Total Directional Services
Company Man Frank Kinney
Company Man Sam Mares
DD Days Mike Gurnsey
DD Nights Matt Johnson
MWD Days Anthony DiFeo
MWD Nights Mark Aguilar
MWD 3
VSD 101.15

Log measurements: 4671
Depth measured from: KB ft
Maximum temperature: 220

Casing	Depth	Size
Surface:	1645 ft	9 5/8"
Intermediate:		

Mud type: OBM
Density: 9.5
Viscosity: 50
Rm: **Rmf:** **Rmc:**

Depth
Start: 1645 ft
End: 11448 ft

Date
10-31-2022
11-01-2022

Elevations
KB: 4671
DF: 25
GL: 4646

Run	Bit Size	Gamma Factor	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	8.5"	.565			1645 ft	11448 ft	10-31-2022	11-01-2022
2								
3								
4								
5								
6								
7								
8								
9								
10								

API# 05-123-51723 WELL: State Antelope 13-43-2HN Type of Log:Gamma Logging started at 10:00 on 10/31/2022 Ending at 22:33 on 11/01/2022 Depth relative to Rig Floor at 4,671' Ft Elevation
Logging Company: Total Directional Top of log: 1,645' Bottom of Log: 11,448'

Total Directional Services 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.

XEM Gamma
API
0 200
200 400
TVD
ROP
ft/hr
0 800
800 1600
XEM Temp
degrees
0 135
135 270
#18 MD(1675.00) Inc(17.25) Azm(209.84) TVD(1642.09) VS(-123.03) N/-S(-237.46) E/-W(-172.20)
1700
#19 MD(1770.00) Inc(16.32) Azm(209.06) TVD(1733.04) VS(-131.65) N/-S(-261.34) E/-W(-185.70)
1800
#20 MD(1864.00) Inc(16.02) Azm(207.20) TVD(1823.32) VS(-139.30) N/-S(-284.42) E/-W(-198.04)
1900
#21 MD(1958.00) Inc(16.50) Azm(215.37) TVD(1913.57) VS(-148.36) N/-S(-306.85) E/-W(-211.70)
2000
#22 MD(2053.00) Inc(16.07) Azm(214.39) TVD(2004.76) VS(-159.09) N/-S(-328.70) E/-W(-226.93)
2100
#23 MD(2149.00) Inc(14.91) Azm(222.08) TVD(2097.28) VS(-170.68) N/-S(-348.83) E/-W(-242.72)
2200
#24 MD(2244.00) Inc(14.63) Azm(220.91) TVD(2189.14) VS(-182.92) N/-S(-366.97) E/-W(-258.76)
2300
#25 MD(2338.00) Inc(14.01) Azm(219.34) TVD(2280.22) VS(-194.18) N/-S(-384.74) E/-W(-273.75)
2400
#26 MD(2432.00) Inc(13.50) Azm(219.05) TVD(2371.53) VS(-204.69) N/-S(-402.06) E/-W(-287.88)
2500
#27 MD(2527.00) Inc(13.01) Azm(218.31) TVD(2463.99) VS(-214.76) N/-S(-419.07) E/-W(-301.49)
2600
#28 MD(2622.00) Inc(12.60) Azm(217.38) TVD(2556.63) VS(-224.22) N/-S(-435.69) E/-W(-314.41)
2700
#29 MD(2717.00) Inc(12.24) Azm(216.59) TVD(2649.41) VS(-233.13) N/-S(-452.01) E/-W(-326.71)
2800
#30 MD(2812.00) Inc(11.79) Azm(214.90) TVD(2742.33) VS(-241.36) N/-S(-468.05) E/-W(-338.26)
2900
#31 MD(2907.00) Inc(11.35) Azm(214.35) TVD(2835.40) VS(-248.96) N/-S(-483.73) E/-W(-349.09)
3000
#32 MD(3001.00) Inc(10.49) Azm(211.94) TVD(2927.69) VS(-255.64) N/-S(-498.63) E/-W(-358.83)
3100
#33 MD(3120.00) Inc(11.40) Azm(213.44) TVD(3044.53) VS(-263.94) N/-S(-517.64) E/-W(-371.05)
3200
#34 MD(3214.00) Inc(12.30) Azm(211.64) TVD(3136.52) VS(-270.97) N/-S(-533.91) E/-W(-381.42)
3300
#35 MD(3403.00) Inc(12.83) Azm(206.15) TVD(3321.00) VS(-283.45) N/-S(-569.89) E/-W(-401.23)
3400
#36 MD(3498.00) Inc(12.93) Azm(205.00) TVD(3413.61) VS(-288.72) N/-S(-586.99) E/-W(-410.37)
3500
#37 MD(3593.00) Inc(13.21) Azm(204.07) TVD(3506.15) VS(-293.70) N/-S(-608.54) E/-W(-419.29)
3600
#38 MD(3689.00) Inc(13.43) Azm(204.75) TVD(3599.57) VS(-298.77) N/-S(-628.68) E/-W(-428.43)
3700
#39 MD(3784.00) Inc(14.06) Azm(212.50) TVD(3691.86) VS(-305.57) N/-S(-648.43) E/-W(-439.25)
3800
#40 MD(3878.00) Inc(13.53) Azm(211.95) TVD(3783.15) VS(-313.63) N/-S(-667.39) E/-W(-451.20)
3900
#41 MD(3973.00) Inc(12.63) Azm(210.81) TVD(3875.68) VS(-321.07) N/-S(-685.74) E/-W(-462.40)
4000
#42 MD(4068.00) Inc(13.43) Azm(214.59) TVD(3968.23) VS(-328.95) N/-S(-703.74) E/-W(-473.99)
4100
#43 MD(4162.00) Inc(12.16) Azm(213.56) TVD(4059.90) VS(-337.07) N/-S(-720.98) E/-W(-485.66)
4200
#44 MD(4256.00) Inc(13.76) Azm(214.00) TVD(4151.50) VS(-345.18) N/-S(-738.50) E/-W(-497.38)
4300
#45 MD(4351.00) Inc(12.71) Azm(213.93) TVD(4243.98) VS(-353.62) N/-S(-756.54) E/-W(-509.53)
4400
#46 MD(4446.00) Inc(12.94) Azm(221.41) TVD(4336.61) VS(-363.03) N/-S(-773.19) E/-W(-522.40)
4500
#47 MD(4540.00) Inc(10.64) Azm(218.62) TVD(4428.62) VS(-372.33) N/-S(-787.86) E/-W(-534.78)
4600
#48 MD(4635.00) Inc(12.48) Azm(218.81) TVD(4521.69) VS(-381.14) N/-S(-802.71) E/-W(-546.69)
4700
#49 MD(4730.00) Inc(13.78) Azm(221.45) TVD(4614.21) VS(-391.62) N/-S(-819.19) E/-W(-560.62)
4800
#50 MD(4824.00) Inc(14.77) Azm(221.16) TVD(4705.31) VS(-403.26) N/-S(-836.61) E/-W(-575.91)
4900
#51 MD(4919.00) Inc(13.29) Azm(218.70) TVD(4797.47) VS(-414.37) N/-S(-854.25) E/-W(-590.71)
5000
#52 MD(5012.00) Inc(13.35) Azm(217.96) TVD(4887.97) VS(-424.15) N/-S(-871.05) E/-W(-604.00)
5100
#53 MD(5107.00) Inc(12.45) Azm(213.38) TVD(4980.57) VS(-432.98) N/-S(-888.25) E/-W(-616.38)
5200
#54 MD(5201.00) Inc(12.77) Azm(211.90) TVD(5072.30) VS(-440.49) N/-S(-905.54) E/-W(-627.44)
5300
#55 MD(5296.00) Inc(13.83) Azm(211.56) TVD(5164.76) VS(-448.17) N/-S(-924.12) E/-W(-638.94)
5400
#56 MD(5391.00) Inc(13.04) Azm(215.78) TVD(5257.16) VS(-456.60) N/-S(-942.50) E/-W(-651.15)
5500
#57 MD(5486.00) Inc(13.46) Azm(214.80) TVD(5349.63) VS(-465.50) N/-S(-960.27) E/-W(-663.72)
5600
#58 MD(5581.00) Inc(14.07) Azm(214.37) TVD(5441.90) VS(-474.49) N/-S(-978.88) E/-W(-676.55)
5700
#59 MD(5676.00) Inc(11.59) Azm(215.95) TVD(5534.52) VS(-483.04) N/-S(-996.14) E/-W(-688.67)
5800
#60 MD(5770.00) Inc(12.26) Azm(138.67) TVD(5627.01) VS(-479.07) N/-S(-1011.36) E/-W(-687.62)
5900
#61 MD(5865.00) Inc(17.56) Azm(101.77) TVD(5718.97) VS(-456.67) N/-S(-1021.89) E/-W(-666.87)
6000
#62 MD(5960.00) Inc(25.09) Azm(92.89) TVD(5807.43) VS(-422.35) N/-S(-1025.84) E/-W(-632.67)
6100
#63 MD(6055.00) Inc(33.08) Azm(98.02) TVD(5890.39) VS(-376.45) N/-S(-1030.48) E/-W(-586.80)
6200
#64 MD(6150.00) Inc(41.46) Azm(97.43) TVD(5965.93) VS(-319.08) N/-S(-1038.17) E/-W(-529.84)
#65 MD(6245.00) Inc(50.28) Azm(99.35) TVD(6032.01) VS(-251.04) N/-S(-1048.20) E/-W(-462.46)
#66 MD(6340.00) Inc(58.20) Azm(96.20) TVD(6087.50) VS(-174.16) N/-S(-1058.51) E/-W(-386.15)
#67 MD(6435.00) Inc(66.40) Azm(95.19) TVD(6131.62) VS(-90.51) N/-S(-1066.82) E/-W(-302.52)
#68 MD(6529.00) Inc(69.97) Azm(95.95) TVD(6166.54) VS(-3.67) N/-S(-1075.30) E/-W(-215.68)
#117 MD(11353.00) Inc(89.49) Azm(86.87) TVD(6182.46) VS(4687.85) N/-S(-922.88) E/-W(4596.14)
XEM Gamma
API
0 200
200 400
ROP
ft/hr
0 800
800 1600
XEM Temp
degrees
0 135
135 270