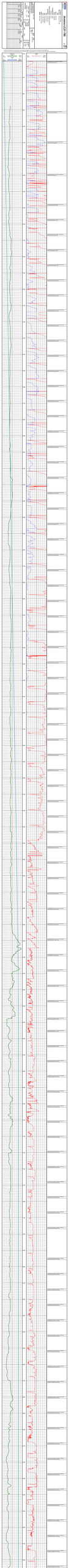

ENSIGN Directional Services

Jessica LC27-785

MD
2":100'

Company: Noble Energy
Well Name: Jessica LC27-785
API:
Rig Id: H&P 326
State: Colorado
County/Parish: Weld
Country: USA
Survey Company: ENSIGN Directional
Job number: HP326-207-6
DD1 Zach Gentry
DD2 Tyler Bachelder
DD3 Colby Hansen
MWD1 Andrew Demrow
MWD2 Nick Jones

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

Depth	Date
Start: 634 ft	04-03-2015
End: ft	

Casing	Depth	Size
Surface:	814	9 5/8
Intermediate:		7

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

Elevations
KB: 30
GL: 4695
DF: 4725

		Offsets		Depths		Dates	
Run	Bit Size	Gamma	Survey	Start	End	Start	End
1	8.75	52.79	49.79	834	6528	4-4-2015	4-5-2015
2	6 1/8	64.64	59.64	6528		4-7-2015	
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.

#2 MD(600.00) Inc(0.0) Azm(106.2) TVD(599.99)
VS(-3.04) NS(-3.13) EW(-0.27)

#3 MD(730.00) Inc(0.3) Azm(220.3) TVD(729.99)
VS(-3.26) NS(-3.39) EW(-0.49)

#4 MD(914.00) Inc(0.1) Azm(95.5) TVD(913.99)
VS(-3.61) NS(-3.77) EW(-0.64)

#5 MD(1100.00) Inc(1.0) Azm(65.8) TVD(1099.98)
VS(-3.24) NS(-3.12) EW(1.00)

#6 MD(1299.00) Inc(6.7) Azm(318.4) TVD(1298.53)
VS(7.04) NS(6.28) EW(-5.13)

#7 MD(1483.00) Inc(13.8) Azm(308.2) TVD(1479.50)
VS(32.40) NS(27.91) EW(-29.54)

#8 MD(1575.00) Inc(15.2) Azm(310.8) TVD(1568.56)
VS(49.80) NS(42.58) EW(-47.29)

#9 MD(1667.00) Inc(15.9) Azm(301.3) TVD(1657.21)
VS(67.31) NS(57.01) EW(-67.19)

#10 MD(1761.00) Inc(16.0) Azm(293.5) TVD(1747.60)
VS(82.79) NS(68.86) EW(-90.08)

#11 MD(1853.00) Inc(16.0) Azm(283.8) TVD(1836.05)
VS(94.71) NS(76.95) EW(-114.02)

#12 MD(1946.00) Inc(16.5) Azm(277.9) TVD(1925.34)
VS(103.73) NS(81.82) EW(-139.55)

#13 MD(2038.00) Inc(16.4) Azm(268.3) TVD(2013.60)
VS(109.40) NS(83.23) EW(-165.48)

#14 MD(2131.00) Inc(15.9) Azm(269.1) TVD(2102.92)
VS(113.09) NS(82.64) EW(-191.34)

#15 MD(2223.00) Inc(15.7) Azm(270.0) TVD(2191.45)
VS(117.03) NS(82.44) EW(-216.39)

#16 MD(2316.00) Inc(15.4) Azm(269.3) TVD(2281.04)
VS(120.99) NS(82.29) EW(-241.32)

#17 MD(2409.00) Inc(15.0) Azm(267.2) TVD(2370.79)
VS(124.28) NS(81.55) EW(-265.69)

#18 MD(2502.00) Inc(14.6) Azm(266.8) TVD(2460.71)
VS(126.97) NS(80.31) EW(-289.41)

#19 MD(2595.00) Inc(14.5) Azm(265.9) TVD(2550.72)
VS(129.36) NS(78.82) EW(-312.73)

#20 MD(2687.00) Inc(14.5) Azm(264.8) TVD(2639.79)
VS(131.30) NS(76.96) EW(-335.69)

#21 MD(2779.00) Inc(14.3) Azm(264.3) TVD(2728.90)
VS(132.92) NS(74.78) EW(-358.46)

#22 MD(2874.00) Inc(13.8) Azm(264.0) TVD(2821.06)
VS(134.39) NS(72.43) EW(-381.41)

#23 MD(2968.00) Inc(13.3) Azm(263.5) TVD(2912.44)
VS(135.64) NS(70.04) EW(-403.30)

#24 MD(3063.00) Inc(14.4) Azm(265.4) TVD(3004.68)
VS(137.22) NS(67.85) EW(-425.93)

#25 MD(3158.00) Inc(13.2) Azm(262.2) TVD(3096.94)
VS(138.55) NS(65.43) EW(-448.45)

#26 MD(3252.00) Inc(14.0) Azm(263.9) TVD(3188.30)
VS(139.54) NS(62.77) EW(-470.39)

#27 MD(3347.00) Inc(13.6) Azm(263.9) TVD(3280.56)
VS(140.89) NS(60.36) EW(-492.92)

#28 MD(3441.00) Inc(13.5) Azm(261.7) TVD(3371.94)
VS(141.77) NS(57.60) EW(-514.77)

#29 MD(3536.00) Inc(13.5) Azm(261.7) TVD(3464.32)
VS(142.24) NS(54.40) EW(-536.72)

#30 MD(3631.00) Inc(13.5) Azm(261.7) TVD(3556.69)
VS(142.70) NS(51.20) EW(-558.66)

#31 MD(3725.00) Inc(13.9) Azm(260.8) TVD(3648.02)
VS(142.99) NS(47.81) EW(-580.66)

#32 MD(3820.00) Inc(13.5) Azm(259.9) TVD(3740.32)
VS(142.94) NS(44.04) EW(-602.84)

#33 MD(3914.00) Inc(13.1) Azm(258.3) TVD(3831.80)
VS(142.41) NS(39.96) EW(-624.08)

#34 MD(4009.00) Inc(13.9) Azm(261.2) TVD(3924.17)
VS(142.14) NS(36.03) EW(-645.90)

#35 MD(4103.00) Inc(13.1) Azm(263.3) TVD(4015.57)
VS(142.80) NS(33.06) EW(-667.64)

#36 MD(4197.00) Inc(12.4) Azm(263.9) TVD(4107.26)
VS(143.91) NS(30.74) EW(-688.25)

#37 MD(4292.00) Inc(12.0) Azm(263.7) TVD(4200.11)
VS(145.07) NS(28.57) EW(-708.21)

#38 MD(4387.00) Inc(11.9) Azm(263.9) TVD(4293.05)
VS(146.20) NS(26.45) EW(-727.77)

#39 MD(4482.00) Inc(10.5) Azm(261.1) TVD(4386.24)
VS(146.87) NS(24.07) EW(-746.06)

#40 MD(4576.00) Inc(8.0) Azm(260.2) TVD(4479.01)
VS(146.93) NS(21.63) EW(-760.97)

#41 MD(4671.00) Inc(7.7) Azm(263.9) TVD(4573.12)
VS(147.27) NS(19.83) EW(-773.81)

#42 MD(4765.00) Inc(5.9) Azm(255.8) TVD(4666.46)
VS(147.25) NS(17.97) EW(-784.76)

#43 MD(4859.00) Inc(4.1) Azm(267.5) TVD(4760.10)
VS(147.26) NS(16.64) EW(-792.80)

#44 MD(4953.00) Inc(2.2) Azm(272.3) TVD(4853.95)
VS(148.04) NS(16.57) EW(-797.96)

#45 MD(5048.00) Inc(0.5) Azm(270.9) TVD(4948.92)
VS(148.49) NS(16.65) EW(-800.20)

#46 MD(5143.00) Inc(0.4) Azm(215.5) TVD(5043.92)
VS(148.33) NS(16.39) EW(-800.80)

#47 MD(5237.00) Inc(0.6) Azm(211.6) TVD(5137.92)
VS(147.73) NS(15.70) EW(-801.25)

#48 MD(5332.00) Inc(0.3) Azm(144.4) TVD(5232.91)
VS(147.13) NS(15.07) EW(-801.37)

#49 MD(5426.00) Inc(4.6) Azm(0.4) TVD(5326.82)
VS(150.62) NS(18.64) EW(-801.20)

#50 MD(5520.00) Inc(10.5) Azm(0.2) TVD(5419.96)
VS(162.79) NS(30.99) EW(-801.14)

#51 MD(5615.00) Inc(14.9) Azm(355.8) TVD(5512.62)
VS(183.50) NS(51.84) EW(-802.01)

#52 MD(5709.00) Inc(19.0) Azm(3.7) TVD(5602.53)
VS(210.44) NS(79.18) EW(-801.90)

#53 MD(5804.00) Inc(22.5) Azm(13.4) TVD(5691.38)
VS(242.26) NS(112.31) EW(-796.69)

#54 MD(5899.00) Inc(30.6) Azm(15.1) TVD(5776.29)
VS(281.06) NS(153.41) EW(-786.16)

#55 MD(5993.00) Inc(39.9) Azm(11.5) TVD(5852.98)
VS(331.07) NS(206.17) EW(-773.89)

#56 MD(6088.00) Inc(49.8) Azm(6.7) TVD(5920.26)
VS(394.53) NS(272.24) EW(-763.55)

#57 MD(6182.00) Inc(58.3) Azm(1.4) TVD(5975.42)
VS(468.44) NS(348.05) EW(-758.38)

#58 MD(6276.00) Inc(68.7) Azm(358.8) TVD(6017.32)
VS(551.28) NS(432.05) EW(-758.32)

#59 MD(6371.00) Inc(77.0) Azm(357.4) TVD(6045.31)
VS(641.18) NS(522.69) EW(-761.35)

#60 MD(6478.00) Inc(85.4) Azm(357.3) TVD(6061.66)
VS(746.07) NS(628.22) EW(-766.23)

#61 MD(6554.00) Inc(89.7) Azm(355.3) TVD(6064.91)
VS(821.59) NS(703.97) EW(-771.13)

#62 MD(6647.00) Inc(89.9) Azm(354.3) TVD(6065.23)
VS(914.33) NS(796.59) EW(-779.56)

#63 MD(6739.00) Inc(89.8) Azm(353.5) TVD(6065.47)
VS(1006.16) NS(888.07) EW(-789.34)

#64 MD(6832.00) Inc(89.8) Azm(353.9) TVD(6065.80)
VS(1099.02) NS(980.50) EW(-799.54)

#65 MD(6925.00) Inc(90.1) Azm(353.9) TVD(6065.88)
VS(1191.85) NS(1072.98) EW(-809.43)

#66 MD(7017.00) Inc(87.9) Azm(356.0) TVD(6067.49)
VS(1283.55) NS(1164.59) EW(-817.52)

#67 MD(7110.00) Inc(88.1) Azm(359.0) TVD(6070.73)
VS(1375.79) NS(1257.44) EW(-821.58)

#68 MD(7203.00) Inc(90.0) Azm(358.5) TVD(6072.27)
VS(1467.81) NS(1350.40) EW(-823.60)

#69 MD(7296.00) Inc(89.8) Azm(357.4) TVD(6072.44)
VS(1560.03) NS(1443.34) EW(-826.93)

#70 MD(7389.00) Inc(91.2) Azm(358.1) TVD(6071.62)
VS(1652.28) NS(1536.26) EW(-830.58)

#71 MD(7482.00) Inc(92.2) Azm(358.7) TVD(6068.87)
VS(1744.35) NS(1629.18) EW(-833.18)

#72 MD(7574.00) Inc(92.9) Azm(359.4) TVD(6064.77)
VS(1835.24) NS(1721.08) EW(-834.70)

#73 MD(7668.00) Inc(90.9) Azm(359.4) TVD(6061.66)
VS(1928.05) NS(1815.01) EW(-835.69)

#74 MD(7763.00) Inc(90.2) Azm(358.1) TVD(6060.74)
VS(2022.06) NS(1909.98) EW(-837.76)

#75 MD(7952.00) Inc(91.0) Azm(359.6) TVD(6058.76)
VS(2209.04) NS(2098.93) EW(-841.55)

#76 MD(8046.00) Inc(90.4) Azm(359.1) TVD(6057.62)
VS(2301.91) NS(2192.92) EW(-842.62)

#77 MD(8141.00) Inc(89.6) Azm(358.0) TVD(6057.62)
VS(2395.97) NS(2287.88) EW(-845.02)

#78 MD(8235.00) Inc(89.8) Azm(357.4) TVD(6058.11)
VS(2489.23) NS(2381.81) EW(-848.79)

#79 MD(8330.00) Inc(89.7) Azm(356.8) TVD(6058.52)
VS(2583.60) NS(2476.68) EW(-853.60)

#80 MD(8424.00) Inc(89.6) Azm(356.1) TVD(6059.10)
VS(2677.09) NS(2570.50) EW(-859.42)

#81 MD(8519.00) Inc(90.2) Azm(357.5) TVD(6059.26)
VS(2771.52) NS(2665.35) EW(-864.72)

#82 MD(8614.00) Inc(89.4) Azm(358.8) TVD(6059.59)
VS(2865.67) NS(2760.30) EW(-867.79)

#83 MD(8708.00) Inc(89.1) Azm(358.2) TVD(6060.83)
VS(2958.74) NS(2854.25) EW(-870.25)

#84 MD(8803.00) Inc(89.5) Azm(358.2) TVD(6061.99)
VS(3052.88) NS(2949.20) EW(-873.23)

#85 MD(8897.00) Inc(89.4) Azm(357.2) TVD(6062.89)
VS(3146.13) NS(3043.12) EW(-877.01)

#86 MD(8992.00) Inc(89.0) Azm(356.3) TVD(6064.21)
VS(3240.56) NS(3137.96) EW(-882.39)

#87 MD(9086.00) Inc(89.1) Azm(357.9) TVD(6065.77)
VS(3333.92) NS(3231.82) EW(-887.15)

#88 MD(9180.00) Inc(89.8) Azm(358.8) TVD(6066.68)
VS(3427.03) NS(3325.78) EW(-889.85)

#89 MD(9275.00) Inc(89.8) Azm(359.3) TVD(6067.01)
VS(3520.98) NS(3420.76) EW(-891.43)

#90 MD(9369.00) Inc(88.9) Azm(358.4) TVD(6068.07)
VS(3613.97) NS(3514.73) EW(-893.31)

#91 MD(9464.00) Inc(90.9) Azm(358.2) TVD(6068.24)
VS(3708.09) NS(3609.69) EW(-896.13)

#92 MD(9558.00) Inc(91.6) Azm(358.7) TVD(6066.19)
VS(3801.16) NS(3703.63) EW(-898.67)

#93 MD(9653.00) Inc(91.7) Azm(357.7) TVD(6063.45)
VS(3895.26) NS(3798.54) EW(-901.66)

#94 MD(9747.00) Inc(91.5) Azm(359.1) TVD(6060.83)
VS(3988.33) NS(3892.47) EW(-904.28)

#95 MD(9841.00) Inc(92.3) Azm(359.6) TVD(6057.71)
VS(4081.16) NS(3986.41) EW(-905.35)

#96 MD(9935.00) Inc(91.4) Azm(0.9) TVD(6054.68)
VS(4173.75) NS(4080.36) EW(-904.94)

#97 MD(10029.00) Inc(89.5) Azm(0.0) TVD(6053.94)
VS(4266.33) NS(4174.34) EW(-904.20)

#98 MD(10124.00) Inc(89.1) Azm(359.3) TVD(6055.10)
VS(4360.11) NS(4269.33) EW(-904.78)

#99 MD(10219.00) Inc(89.1) Azm(358.7) TVD(6056.59)
VS(4454.06) NS(4364.31) EW(-906.44)

#100 MD(10313.00) Inc(91.1) Azm(358.5) TVD(6056.43)
VS(4547.12) NS(4458.27) EW(-908.73)

#101 MD(10407.00) Inc(90.9) Azm(357.2) TVD(6054.79)
VS(4640.33) NS(4552.19) EW(-912.26)

#102 MD(10502.00) Inc(90.6) Azm(356.1) TVD(6053.54)
VS(4734.77) NS(4647.02) EW(-917.81)

#103 MD(10596.00) Inc(90.5) Azm(355.9) TVD(6052.64)
VS(4828.33) NS(4740.79) EW(-924.37)

#104 MD(10690.00) Inc(91.3) Azm(356.8) TVD(6051.16)
VS(4921.83) NS(4834.58) EW(-930.35)

#105 MD(10784.00) Inc(89.5) Azm(356.7) TVD(6050.51)
VS(5015.27) NS(4928.43) EW(-935.68)

#106 MD(10879.00) Inc(89.5) Azm(357.4) TVD(6051.34)
VS(5109.64) NS(5023.30) EW(-940.57)

#107 MD(10973.00) Inc(89.4) Azm(357.2) TVD(6052.24)
VS(5202.98) NS(5117.19) EW(-944.99)

#108 MD(11067.00) Inc(89.7) Azm(359.2) TVD(6052.98)
VS(5296.12) NS(5211.13) EW(-947.95)

#109 MD(11162.00) Inc(89.9) Azm(359.1) TVD(6053.31)
VS(5390.04) NS(5306.12) EW(-949.36)

#110 MD(11257.97) Inc(90.0) Azm(359.0) TVD(6053.39)
VS(5484.94) NS(5402.08) EW(-950.95)

#111 MD(11350.00) Inc(89.4) Azm(358.3) TVD(6053.88)
VS(5576.04) NS(5494.08) EW(-953.12)

#112 MD(11460.00) Inc(89.0) Azm(358.1) TVD(6055.41)
VS(5685.04) NS(5604.02) EW(-956.57)