

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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TL 6-004  
 Total Depth: 4,951 ft  
 Completed 12/27/2015

TL 6-004 BP01  
 Total Depth: 4,980 ft  
 Completed 1/15/2015

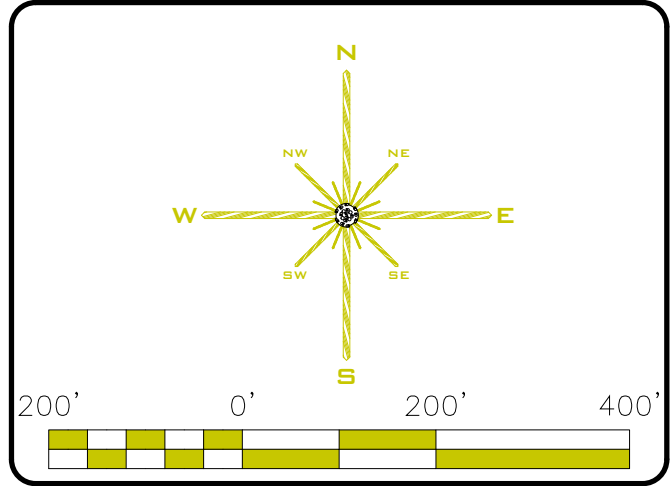
TL 6-004 BL01  
 Current Depth:  
 4,695ft MD  
 1/25/2016

WILSON COUNTY HOLDINGS LLC  
 FREDONIA FACILITY  
 TL 6-004  
 PLAN

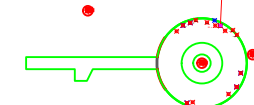
USGS MAG DEC	***
SURVEY TOOL CALIBRATION	***

PLOT  
 FINALIZATION  
 CHECK

PROJECT MANAGER:	INITIALS
CHECKED BY:	INITIALS



JOB NUMBER: 4009755	
DRAWN BY: FPS	DATE DRAWN: 3/24/2015
REVISION: A	REV DATE: 1/25/2016
SCALE: 1"=200'	



DIRE DRILLING, INC CURRENT PROJECTS/STRANDED DILIBREHOLE SURVEYS AND PLANNING/CAD FILES/REI BOREHOLE PLAN STRANDED DIL FREDONIA PROJECT DWG - 1/22/2016

Borehole ID	Branch ID	Measured Depth (ft)	Azimuth (deg)	Inclination (deg)
6-004	main	0.00	4.00	98.70
6-004	main	39.37	1.43	103.24
6-004	main	59.06	1.27	105.57
6-004	main	78.74	3.03	104.07
6-004	main	98.43	3.37	102.11
6-004	main	118.11	2.25	99.88
6-004	main	137.80	0.35	98.48
6-004	main	157.48	359.78	98.18
6-004	main	177.17	359.64	98.04
6-004	main	196.85	359.09	98.87
6-004	main	216.54	357.92	97.72
6-004	main	236.22	359.00	99.72
6-004	main	246.06	358.87	98.99
6-004	main	265.75	358.81	99.36
6-004	main	285.43	359.32	97.82
6-004	main	305.12	358.23	95.49
6-004	main	324.80	358.39	93.42
6-004	main	344.49	359.50	90.95
6-004	main	364.17	1.34	88.68
6-004	main	383.86	3.25	89.04
6-004	main	403.54	4.87	90.70
6-004	main	423.23	6.13	93.12
6-004	main	442.91	7.05	92.30
6-004	main	462.60	6.73	92.03
6-004	main	482.28	5.22	91.41
6-004	main	501.97	5.40	91.44
6-004	main	521.65	5.00	91.23
6-004	main	541.34	5.76	91.43
6-004	main	561.02	4.92	91.54
6-004	main	580.71	3.67	91.31
6-004	main	600.39	4.04	90.96
6-004	main	620.08	4.19	91.12
6-004	main	639.76	4.41	90.43
6-004	main	659.45	4.22	89.85
6-004	main	679.13	4.18	90.26
6-004	main	698.82	3.07	90.92
6-004	main	718.50	3.06	91.25
6-004	main	738.19	3.07	90.21
6-004	main	757.87	3.33	90.02
6-004	main	777.56	3.71	90.42
6-004	main	797.24	4.17	90.52
6-004	main	816.93	4.42	90.33
6-004	main	836.61	4.01	89.79
6-004	main	856.30	4.18	89.88
6-004	main	875.98	4.36	89.56
6-004	main	895.67	4.72	89.15

6-004	main	915.35	4.54	89.24
6-004	main	935.04	4.02	89.58
6-004	main	954.72	3.44	90.95
6-004	main	974.41	4.45	90.27
6-004	main	994.09	4.30	90.91
6-004	main	1013.78	4.62	91.58
6-004	main	1033.46	3.46	90.66
6-004	main	1053.15	3.14	89.98
6-004	main	1072.83	4.61	90.07
6-004	main	1092.52	4.63	90.64
6-004	main	1112.20	4.37	90.11
6-004	main	1131.89	4.01	90.21
6-004	main	1151.57	2.96	91.56
6-004	main	1171.26	3.05	91.84
6-004	main	1190.94	3.31	90.92
6-004	main	1210.63	2.70	89.94
6-004	main	1230.31	4.80	90.04
6-004	main	1250.00	5.14	89.91
6-004	main	1269.69	5.21	91.15
6-004	main	1289.37	4.73	90.76
6-004	main	1309.06	3.91	90.08
6-004	main	1328.74	3.92	90.42
6-004	main	1348.43	3.90	90.03
6-004	main	1368.11	4.31	90.89
6-004	main	1387.80	3.19	91.26
6-004	main	1407.48	2.03	90.07
6-004	main	1427.17	2.99	90.84
6-004	main	1446.85	2.73	90.16
6-004	main	1466.54	4.82	89.31
6-004	main	1486.22	6.45	90.26
6-004	main	1505.91	5.85	90.33
6-004	main	1525.59	4.29	89.91
6-004	main	1545.28	3.46	89.90
6-004	main	1564.96	3.80	90.70
6-004	main	1584.65	4.21	91.24
6-004	main	1604.33	4.40	89.98
6-004	main	1624.02	4.01	90.11
6-004	main	1643.70	3.10	91.55
6-004	main	1663.39	3.07	91.05
6-004	main	1683.07	3.22	90.16
6-004	main	1702.76	4.39	89.97
6-004	main	1722.44	5.06	91.42
6-004	main	1742.13	3.91	90.66
6-004	main	1761.81	3.26	89.23
6-004	main	1781.50	4.03	89.51
6-004	main	1801.18	5.17	91.46
6-004	main	1820.87	3.90	91.33

6-004	main	1840.55	4.42	91.22
6-004	main	1860.24	4.25	91.13
6-004	main	1879.92	4.40	89.64
6-004	main	1899.61	3.28	89.62
6-004	main	1919.29	4.17	90.45
6-004	main	1938.98	2.93	90.04
6-004	main	1958.66	3.68	91.02
6-004	main	1978.35	3.89	90.64
6-004	main	1998.03	3.81	90.44
6-004	main	2017.72	3.54	90.03
6-004	main	2037.40	3.73	90.56
6-004	main	2057.09	3.31	90.27
6-004	main	2076.77	2.33	89.64
6-004	main	2096.46	2.20	90.62
6-004	main	2116.14	1.80	89.84
6-004	main	2135.83	0.88	90.21
6-004	main	2155.51	0.29	90.57
6-004	main	2175.20	0.83	90.02
6-004	main	2194.88	0.74	90.60
6-004	main	2214.57	359.78	90.15
6-004	main	2234.25	359.08	90.06
6-004	main	2253.94	358.23	90.55
6-004	main	2273.62	358.37	90.63
6-004	main	2293.31	357.98	89.68
6-004	main	2312.99	359.37	90.01
6-004	main	2332.68	359.18	90.92
6-004	main	2352.36	359.35	91.00
6-004	main	2372.05	359.45	90.57
6-004	main	2391.73	0.26	90.29
6-004	main	2411.42	0.49	89.56
6-004	main	2431.10	0.22	89.98
6-004	main	2450.79	359.76	91.06
6-004	main	2470.47	359.83	90.51
6-004	main	2490.16	0.20	90.54
6-004	main	2509.84	359.20	90.34
6-004	main	2529.53	359.28	90.11
6-004	main	2549.21	359.15	90.44
6-004	main	2568.90	359.17	90.04
6-004	main	2588.58	358.65	90.70
6-004	main	2608.27	358.62	90.28
6-004	main	2627.95	359.36	89.64
6-004	main	2647.64	0.37	89.78
6-004	main	2667.32	359.74	90.42
6-004	main	2687.01	359.93	90.78
6-004	main	2706.69	0.29	90.49
6-004	main	2726.38	0.68	90.18
6-004	main	2746.06	0.05	89.77

6-004	main	2765.75	358.78	90.46
6-004	main	2785.43	359.23	90.63
6-004	main	2805.12	358.64	90.68
6-004	main	2824.80	358.24	90.29
6-004	main	2844.49	359.04	90.18
6-004	main	2864.17	358.52	89.59
6-004	main	2883.86	359.32	90.29
6-004	main	2903.54	358.90	90.79
6-004	main	2923.23	0.09	91.40
6-004	main	2942.91	359.98	90.44
6-004	main	2962.60	0.21	89.70
6-004	main	2982.28	0.58	90.22
6-004	main	3001.97	359.79	90.95
6-004	main	3021.65	359.78	89.91
6-004	main	3041.34	359.32	90.02
6-004	main	3061.02	359.49	90.99
6-004	main	3080.71	359.83	91.15
6-004	main	3100.39	359.48	90.15
6-004	main	3120.08	359.07	90.13
6-004	main	3139.76	0.19	91.58
6-004	main	3159.45	0.53	89.90
6-004	main	3179.13	0.65	90.60
6-004	main	3198.82	359.33	90.33
6-004	main	3218.50	358.79	90.32
6-004	main	3238.19	358.40	90.41
6-004	main	3257.87	358.20	90.15
6-004	main	3277.56	358.73	90.74
6-004	main	3297.24	359.35	90.92
6-004	main	3316.93	359.71	90.22
6-004	main	3336.61	0.19	90.05
6-004	main	3356.30	359.76	91.19
6-004	main	3375.98	359.28	91.41
6-004	main	3395.67	358.72	90.31
6-004	main	3415.35	358.59	90.15
6-004	main	3435.04	358.53	90.25
6-004	main	3454.72	358.85	89.83
6-004	main	3474.41	359.74	90.24
6-004	main	3494.09	359.57	90.28
6-004	main	3513.78	359.34	90.36
6-004	main	3533.46	359.86	90.32
6-004	main	3553.15	0.08	91.13
6-004	main	3572.83	359.66	91.28
6-004	main	3592.52	359.11	91.55
6-004	main	3612.20	358.54	90.96
6-004	main	3631.89	357.92	89.96
6-004	main	3651.57	357.91	89.98
6-004	b2s	3671.26	357.92	90.29



6-004	b2	3690.94	358.55	90.87
6-004	b2	3710.63	358.87	88.25
6-004	b2	3730.31	0.00	87.59
6-004	b2	3750.00	1.84	87.86
6-004	b2	3769.69	3.74	88.72
6-004	b2	3789.37	4.80	90.48
6-004	b2	3809.06	4.57	90.17
6-004	b2	3828.74	3.77	90.42
6-004	b2	3848.43	2.17	90.43
6-004	b2	3868.11	0.19	89.83
6-004	b2	3887.80	358.49	89.04
6-004	b1s	3907.48	0.38	89.67
6-004	b1	3927.17	359.67	90.00
6-004	b1	3946.85	359.43	90.10
6-004	b1	3966.54	359.08	90.61
6-004	b1	3986.22	358.89	90.15
6-004	b1	4005.91	358.43	90.02
6-004	b1	4025.59	357.25	90.73
6-004	b1	4045.28	355.66	91.04
6-004	b1	4064.96	353.93	90.53
6-004	b1	4084.65	352.39	90.63
6-004	b1	4104.33	351.11	90.42
6-004	b1	4124.02	349.55	90.10
6-004	b1	4143.70	348.11	90.22
6-004	b1	4163.39	346.70	90.70
6-004	b1	4183.07	346.33	90.38
6-004	b1	4202.76	347.10	89.90
6-004	b1	4222.44	348.14	89.98
6-004	b1	4242.13	346.13	90.42
6-004	b1	4261.81	345.70	90.70
6-004	b1	4281.50	346.56	90.14
6-004	b1	4301.18	347.42	90.88
6-004	b1	4311.02	347.81	90.17
6-004	b1	4330.71	347.82	88.39
6-004	b1	4350.39	349.48	88.64
6-004	b1	4370.08	347.43	88.90
6-004	b1	4389.76	347.85	89.17
6-004	b1	4409.45	348.62	90.12
6-004	b1	4429.13	347.85	90.34
6-004	b1	4448.82	347.36	91.07
6-004	b1	4468.50	346.78	91.14
6-004	b1	4488.19	346.21	90.23
6-004	b1	4507.87	346.03	90.38
6-004	b1	4527.56	346.34	89.83
6-004	b1	4547.24	347.44	89.12
6-004	b1	4566.93	348.43	90.11
6-004	b1	4586.61	348.06	90.93

6-004	b1	4606.30	348.02	90.80
6-004	b1	4625.98	347.37	90.52
6-004	b1	4645.67	347.06	90.75
6-004	b1	4665.35	348.13	90.57
6-004	b1	4685.04	349.87	90.94
6-004	b1	4704.72	349.29	90.40
6-004	b1	4724.41	348.45	90.22
6-004	b1	4744.09	348.69	89.92
6-004	b1	4763.78	350.71	91.32
6-004	b1	4783.46	350.93	91.26
6-004	b1	4803.15	348.84	90.37
6-004	b1	4822.83	347.83	91.42
6-004	b1	4842.52	346.38	91.76
6-004	b1	4862.20	345.33	91.76
6-004	b1	4881.89	345.39	90.17
6-004	b1	4901.57	346.91	89.38
6-004	b1	4921.26	348.09	89.49
6-004	b1	4940.94	348.91	90.51
6-004	b1e	4952.43	348.91	90.51
6-004	b2	3907.48	1.47	88.45
6-004	b2	3927.17	0.58	86.98
6-004	b2	3946.85	0.26	88.65
6-004	b2	3966.54	359.44	90.24
6-004	b2	3986.22	359.53	90.62
6-004	b2	4005.91	359.60	90.29
6-004	b2	4025.59	358.69	87.77
6-004	b2	4045.28	357.23	87.11
6-004	b2	4064.96	357.12	88.51
6-004	b2	4084.65	355.76	89.94
6-004	b2	4104.33	355.26	91.06
6-004	b2	4124.02	354.70	90.96
6-004	b2	4143.70	354.51	92.76
6-004	b2	4163.39	353.71	92.20
6-004	b2	4183.07	353.09	91.26
6-004	b2	4202.76	352.69	91.04
6-004	b2	4222.44	350.97	91.29
6-004	b2	4242.13	349.43	90.52
6-004	b2	4261.81	348.59	91.69
6-004	b2	4281.50	347.27	91.41
6-004	b2	4301.18	344.12	90.85
6-004	b2	4320.87	343.73	90.14
6-004	b2	4340.55	343.25	91.47
6-004	b2	4360.24	344.25	91.90
6-004	b2	4379.92	345.91	91.53
6-004	b2	4399.61	347.26	91.75
6-004	b2	4419.29	347.95	92.37
6-004	b2	4438.98	348.56	90.81

6-004	b2	4458.66	349.11	90.49
6-004	b2	4478.35	350.16	91.28
6-004	b2	4498.03	350.74	90.30
6-004	b2	4517.72	351.15	90.14
6-004	b2	4537.40	351.15	91.43
6-004	b2	4557.09	351.66	90.28
6-004	b2	4576.77	352.10	90.25
6-004	b2	4596.46	351.24	89.85
6-004	b2	4616.14	350.97	90.07
6-004	b2	4635.83	350.66	91.31
6-004	b2	4655.51	350.18	91.50
6-004	b2	4675.20	350.14	91.72
6-004	b2	4694.88	349.44	91.17
6-004	b2	4714.57	348.04	90.03
6-004	b2	4734.25	347.39	89.91
6-004	b2	4753.94	347.98	90.84
6-004	b2	4773.62	347.46	89.91
6-004	b2	4793.31	347.00	90.52
6-004	b2	4812.99	348.09	90.23
6-004	b2	4832.68	348.87	91.56
6-004	b2	4852.36	349.11	90.82
6-004	b2	4872.05	349.47	88.83
6-004	b2	4891.73	350.30	91.35
6-004	b2	4911.42	349.07	92.46
6-004	b2	4931.10	346.98	91.64
6-004	b2	4950.79	345.89	91.19
6-004	b2	4970.47	346.03	90.38
6-004	b2e	4981.96	1.07	89.17
6-004	main	3661.42	357.44	88.09
6-004	main	3681.10	356.70	89.27
6-004	main	3700.79	356.24	91.87
6-004	main	3720.47	356.40	91.07
6-004	main	3740.16	356.56	90.55
6-004	main	3759.84	356.54	90.12
6-004	main	3779.53	357.07	90.46
6-004	main	3799.21	357.02	91.96
6-004	main	3818.90	357.16	91.22
6-004	main	3838.58	357.49	92.10
6-004	main	3858.27	357.11	92.49
6-004	main	3877.95	357.40	92.28
6-004	main	3897.64	357.69	91.09
6-004	main	3917.32	357.86	91.92
6-004	main	3937.01	356.49	91.25
6-004	main	3956.69	355.61	91.06
6-004	main	3976.38	355.16	91.46
6-004	main	3996.06	355.06	91.65
6-004	main	4015.75	356.78	90.76

6-004	main	4035.43	357.16	90.45
6-004	main	4055.12	357.04	90.58
6-004	main	4074.80	355.87	90.65
6-004	main	4094.49	355.14	91.07
6-004	main	4114.17	354.23	91.03
6-004	main	4133.86	353.50	91.05
6-004	main	4153.54	353.33	91.59
6-004	main	4173.23	353.43	90.96
6-004	main	4192.91	352.77	90.76
6-004	main	4212.60	351.49	91.27
6-004	main	4232.28	352.38	90.50
6-004	main	4251.97	352.62	90.68
6-004	main	4271.65	352.41	91.53
6-004	main	4291.34	352.59	91.55
6-004	main	4311.02	352.82	90.46
6-004	main	4330.71	352.67	90.67
6-004	main	4350.39	352.21	90.76
6-004	main	4370.08	351.78	90.82
6-004	main	4389.76	351.48	91.45
6-004	main	4409.45	351.57	90.86
6-004	main	4429.13	350.89	90.41
6-004	main	4448.82	350.51	90.62
6-004	main	4468.50	350.46	91.04
6-004	main	4488.19	349.67	90.80
6-004	main	4507.87	349.28	90.67
6-004	main	4527.56	349.65	90.38
6-004	main	4547.24	349.93	90.41
6-004	main	4566.93	349.83	91.22
6-004	main	4586.61	350.32	90.67
6-004	main	4606.30	349.93	90.88
6-004	main	4625.98	350.02	91.33
6-004	main	4645.67	349.33	90.65
6-004	main	4665.35	348.46	90.06
6-004	main	4685.04	347.74	90.55

EW (ft)	NS (ft)	True Vertical Depth (ft, Subsea)
0.00	0.00	-263.60
1.84	38.58	-256.12
2.30	57.64	-251.20
2.99	76.67	-246.18
4.07	95.80	-241.72
5.02	115.12	-237.98
5.45	134.55	-234.83
5.48	154.00	-231.98
5.38	173.49	-229.19
5.15	192.98	-226.30
4.66	212.43	-223.48
4.13	231.89	-220.49
3.94	241.60	-218.89
3.54	261.02	-215.74
3.25	280.48	-212.82
2.82	300.03	-210.52
2.23	319.65	-208.98
1.87	339.30	-208.22
2.03	358.99	-208.29
2.82	378.67	-208.68
4.20	398.29	-208.75
6.10	417.88	-208.09
8.33	437.40	-207.14
10.70	456.96	-206.42
12.76	476.51	-205.83
14.57	496.10	-205.34
16.37	515.72	-204.88
18.21	535.30	-204.42
20.05	554.89	-203.89
21.52	574.51	-203.40
22.83	594.16	-203.01
24.25	613.78	-202.64
25.72	633.40	-202.38
27.20	653.05	-202.35
28.64	672.67	-202.32
29.89	692.32	-202.12
30.94	711.98	-201.76
31.99	731.63	-201.50
33.10	751.28	-201.46
34.32	770.93	-201.37
35.66	790.55	-201.23
37.14	810.20	-201.07
38.58	829.82	-201.07
39.99	849.48	-201.10
41.47	869.09	-201.20
43.01	888.71	-201.43

44.59	908.33	-201.69
46.06	927.95	-201.92
47.34	947.60	-201.82
48.72	967.22	-201.60
50.20	986.88	-201.40
51.74	1006.50	-200.97
53.12	1026.12	-200.58
54.27	1045.77	-200.48
55.58	1065.42	-200.48
57.19	1085.04	-200.35
58.73	1104.66	-200.22
60.17	1124.28	-200.15
61.35	1143.93	-199.86
62.37	1163.58	-199.27
63.48	1183.23	-198.81
64.50	1202.89	-198.64
65.78	1222.54	-198.64
67.49	1242.13	-198.68
69.29	1261.75	-198.48
71.00	1281.36	-198.15
72.47	1300.98	-198.02
73.82	1320.60	-197.92
75.16	1340.26	-197.85
76.57	1359.88	-197.69
77.85	1379.53	-197.33
78.74	1399.18	-197.10
79.59	1418.86	-196.94
80.58	1438.52	-196.77
81.89	1458.17	-196.84
83.83	1477.76	-196.94
85.93	1497.31	-196.84
87.66	1516.93	-196.77
89.01	1536.58	-196.81
90.26	1556.20	-196.71
91.60	1575.85	-196.38
93.08	1595.47	-196.18
94.52	1615.09	-196.15
95.77	1634.74	-195.85
96.82	1654.40	-195.43
97.90	1674.05	-195.20
99.21	1693.70	-195.20
100.82	1713.32	-194.94
102.36	1732.94	-194.61
103.61	1752.59	-194.61
104.86	1772.21	-194.84
106.43	1791.83	-194.67
107.97	1811.45	-194.18

109.42	1831.10	-193.75
110.89	1850.72	-193.33
112.37	1870.34	-193.20
113.71	1889.99	-193.33
114.99	1909.61	-193.33
116.21	1929.27	-193.23
117.32	1948.92	-193.06
118.64	1968.57	-192.77
119.95	1988.19	-192.57
121.23	2007.84	-192.51
122.47	2027.49	-192.41
123.69	2047.15	-192.24
124.64	2066.80	-192.28
125.43	2086.48	-192.24
126.12	2106.14	-192.15
126.57	2125.82	-192.15
126.77	2145.51	-192.02
126.97	2165.19	-191.92
127.23	2184.88	-191.79
127.33	2204.56	-191.65
127.13	2224.25	-191.62
126.67	2243.93	-191.52
126.08	2263.58	-191.33
125.46	2283.27	-191.26
125.00	2302.95	-191.33
124.74	2322.64	-191.16
124.51	2342.32	-190.83
124.28	2361.98	-190.57
124.25	2381.66	-190.41
124.38	2401.35	-190.44
124.51	2421.03	-190.54
124.48	2440.72	-190.34
124.41	2460.40	-190.08
124.41	2480.09	-189.92
124.31	2499.77	-189.75
124.05	2519.46	-189.69
123.79	2539.14	-189.59
123.49	2558.83	-189.49
123.13	2578.51	-189.36
122.67	2598.20	-189.19
122.31	2617.88	-189.23
122.28	2637.57	-189.32
122.28	2657.25	-189.29
122.21	2676.94	-189.06
122.28	2696.62	-188.87
122.44	2716.31	-188.73
122.54	2735.99	-188.73

122.34	2755.64	-188.70
122.01	2775.33	-188.50
121.65	2795.01	-188.31
121.13	2814.70	-188.11
120.64	2834.38	-188.05
120.24	2854.07	-188.08
119.85	2873.75	-188.11
119.55	2893.41	-187.91
119.39	2913.09	-187.55
119.39	2932.78	-187.23
119.42	2952.46	-187.19
119.55	2972.15	-187.23
119.62	2991.83	-187.03
119.55	3011.52	-186.86
119.39	3031.20	-186.86
119.19	3050.89	-186.70
119.06	3070.57	-186.34
118.96	3090.26	-186.11
118.70	3109.94	-186.08
118.57	3129.63	-185.78
118.70	3149.31	-185.52
118.90	3169.00	-185.45
118.90	3188.68	-185.29
118.57	3208.33	-185.16
118.11	3228.02	-185.03
117.52	3247.70	-184.93
116.99	3267.39	-184.80
116.67	3287.07	-184.50
116.50	3306.76	-184.31
116.47	3326.44	-184.27
116.47	3346.10	-184.04
116.31	3365.78	-183.62
115.94	3385.47	-183.32
115.49	3405.15	-183.22
114.99	3424.84	-183.16
114.57	3444.52	-183.12
114.30	3464.21	-183.12
114.21	3483.89	-183.03
114.01	3503.54	-182.93
113.88	3523.23	-182.80
113.85	3542.91	-182.57
113.81	3562.60	-182.14
113.62	3582.28	-181.65
113.19	3601.97	-181.22
112.60	3621.62	-181.06
111.88	3641.31	-181.09
111.15	3660.99	-181.02



110.56	3680.64	-180.83
110.10	3700.33	-180.99
109.91	3720.01	-181.68
110.24	3739.67	-182.47
111.19	3759.32	-183.06
112.66	3778.94	-183.19
114.27	3798.56	-183.09
115.68	3818.21	-182.99
116.70	3837.86	-182.83
117.13	3857.55	-182.80
116.90	3877.23	-182.99
116.70	3896.92	-183.22
116.70	3916.60	-183.26
116.54	3936.29	-183.26
116.31	3955.94	-183.12
115.94	3975.62	-182.99
115.49	3995.31	-182.96
114.73	4014.99	-182.83
113.52	4034.65	-182.53
111.75	4054.23	-182.27
109.38	4073.79	-182.07
106.56	4093.24	-181.88
103.28	4112.66	-181.81
99.44	4131.96	-181.75
95.18	4151.18	-181.58
90.58	4170.31	-181.39
86.06	4189.47	-181.35
81.82	4208.69	-181.39
77.46	4227.89	-181.29
72.67	4246.98	-181.12
67.95	4266.11	-180.96
63.52	4285.27	-180.79
61.38	4294.88	-180.70
57.25	4314.14	-180.96
53.38	4333.43	-181.45
49.44	4352.69	-181.88
45.21	4371.92	-182.21
41.21	4391.21	-182.34
37.20	4410.47	-182.24
32.97	4429.69	-182.01
28.58	4448.88	-181.65
23.95	4468.01	-181.39
19.26	4487.14	-181.29
14.53	4506.23	-181.25
10.07	4525.43	-181.45
5.97	4544.65	-181.58
1.97	4563.94	-181.39

-2.13	4583.20	-181.09
-6.33	4602.43	-180.86
-10.66	4621.62	-180.66
-14.90	4640.85	-180.43
-18.67	4660.17	-180.17
-22.21	4679.53	-179.94
-26.02	4698.85	-179.84
-29.92	4718.14	-179.81
-33.43	4737.50	-179.58
-36.58	4756.92	-179.15
-40.03	4776.31	-178.86
-44.03	4795.57	-178.56
-48.39	4814.76	-178.01
-53.22	4833.83	-177.42
-58.20	4852.89	-177.09
-62.89	4871.98	-177.15
-67.16	4891.21	-177.35
-71.10	4910.50	-177.35
-73.29	4921.75	-177.25
116.90	3896.88	-183.42
117.22	3916.57	-184.21
117.39	3936.22	-184.96
117.32	3955.91	-185.16
117.16	3975.59	-184.99
116.99	3995.28	-184.83
116.70	4014.96	-185.19
116.01	4034.61	-186.04
115.03	4054.27	-186.80
113.81	4073.92	-187.06
112.27	4093.54	-186.90
110.56	4113.12	-186.57
108.69	4132.71	-185.91
106.69	4152.30	-185.06
104.43	4171.82	-184.47
101.97	4191.37	-184.08
99.18	4210.83	-183.68
95.83	4230.25	-183.35
92.09	4249.54	-182.99
87.96	4268.80	-182.44
83.10	4287.86	-182.07
77.66	4306.79	-181.88
72.05	4325.66	-181.61
66.57	4344.55	-181.02
61.48	4363.55	-180.43
56.92	4382.68	-179.88
52.69	4401.90	-179.19
48.69	4421.16	-178.63

44.88	4440.49	-178.40
41.34	4459.84	-178.10
38.09	4479.27	-177.84
34.97	4498.69	-177.74
31.96	4518.14	-177.48
29.00	4537.60	-177.19
26.25	4557.09	-177.09
23.39	4576.57	-177.09
20.34	4596.03	-177.09
17.19	4615.45	-176.86
13.91	4634.84	-176.37
10.56	4654.23	-175.81
7.05	4673.59	-175.32
3.22	4692.91	-175.12
-0.95	4712.14	-175.12
-5.15	4731.36	-174.99
-9.35	4750.62	-174.86
-13.71	4769.82	-174.79
-17.95	4789.04	-174.66
-21.88	4808.30	-174.36
-25.62	4827.62	-173.94
-29.30	4846.98	-174.00
-32.74	4866.34	-173.97
-36.29	4885.70	-173.31
-40.35	4904.95	-172.63
-44.98	4924.08	-172.13
-49.74	4943.18	-171.87
-51.02	4954.56	-171.90
111.48	3651.15	-181.25
110.47	3670.80	-181.68
109.25	3690.45	-181.52
108.01	3710.07	-180.99
106.79	3729.72	-180.73
105.61	3749.38	-180.60
104.49	3769.03	-180.50
103.48	3788.68	-180.07
102.49	3808.33	-179.55
101.57	3827.99	-178.96
100.66	3847.64	-178.17
99.70	3867.29	-177.35
98.85	3886.94	-176.79
98.10	3906.59	-176.27
97.11	3926.25	-175.71
95.77	3945.90	-175.32
94.19	3965.52	-174.89
92.52	3985.10	-174.36
91.11	4004.72	-173.94

90.06	4024.41	-173.74
89.07	4044.06	-173.54
87.86	4063.71	-173.35
86.32	4083.33	-173.05
84.48	4102.92	-172.69
82.38	4122.47	-172.33
80.12	4142.03	-171.87
77.85	4161.58	-171.44
75.49	4181.14	-171.15
72.80	4200.62	-170.79
70.05	4220.11	-170.49
67.45	4239.63	-170.30
64.90	4259.15	-169.90
62.34	4278.64	-169.38
59.84	4298.16	-169.05
57.35	4317.68	-168.85
54.76	4337.20	-168.59
52.03	4356.69	-168.33
49.15	4376.18	-167.93
46.26	4395.64	-167.54
43.24	4415.09	-167.31
40.06	4434.51	-167.15
36.81	4453.94	-166.85
33.43	4473.33	-166.52
29.82	4492.68	-166.29
26.21	4512.01	-166.10
22.74	4531.40	-165.97
19.29	4550.79	-165.67
15.88	4570.14	-165.37
12.50	4589.57	-165.11
9.09	4608.92	-164.72
5.54	4628.28	-164.39
1.77	4647.60	-164.26
-2.30	4666.86	-164.16

