

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1253458
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1253458

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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TAPSTONE ENERGY
 Andy 35-34-9 1H - STK

Harper County, KS
 Andy 35-34-9 1H
 Your Ref:

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
857.00	0.50	23.50	856.99	3.43	1.49	-3.52	0.06
1015.00	0.30	22.40	1014.99	4.44	1.92	-4.56	0.13
1204.00	0.70	274.40	1203.98	4.99	0.96	-5.04	0.45
1394.00	0.70	151.30	1393.97	4.06	0.36	-4.08	0.65
1582.00	0.40	139.00	1581.96	2.56	1.34	-2.64	0.17
1771.00	0.30	173.80	1770.96	1.57	1.83	-1.69	0.12
1959.00	0.70	140.30	1958.95	0.20	2.62	-0.37	0.25
2145.00	0.70	140.70	2144.94	-1.56	4.06	1.28	0.00
2332.00	0.50	142.50	2331.93	-3.09	5.28	2.72	0.11
2522.00	0.40	125.60	2521.92	-4.13	6.33	3.69	0.09
2710.00	0.40	311.60	2709.92	-4.08	6.37	3.64	0.42
2897.00	0.70	326.10	2896.91	-2.70	5.24	2.33	0.18
3084.00	0.30	289.80	3083.91	-1.58	4.15	1.30	0.26
3272.00	0.70	330.80	3271.90	-0.41	3.12	0.20	0.27
3460.00	0.80	298.50	3459.88	1.21	1.41	-1.31	0.23
3647.00	0.70	289.80	3646.87	2.22	-0.81	-2.16	0.08
3836.00	0.40	221.30	3835.86	2.12	-2.34	-1.96	0.35
3898.00	4.20	191.90	3897.80	-0.27	-2.95	0.47	6.22
3929.00	8.40	193.40	3928.61	-3.58	-3.71	3.82	13.56
3960.00	11.50	193.50	3959.14	-8.79	-4.95	9.11	10.00
3991.00	13.20	192.10	3989.42	-15.26	-6.42	15.66	5.57
4022.00	15.00	188.60	4019.48	-22.68	-7.76	23.16	6.42
4053.00	16.60	185.60	4049.31	-31.06	-8.79	31.58	5.79
4084.00	18.10	182.90	4078.90	-40.27	-9.47	40.83	5.49
4116.00	20.20	181.10	4109.13	-50.76	-9.82	51.32	6.82
4147.00	22.90	180.10	4137.96	-62.15	-9.94	62.68	8.79
4178.00	25.80	181.20	4166.20	-74.93	-10.09	75.44	9.47
4210.00	28.30	183.60	4194.70	-89.46	-10.71	89.99	8.52
4242.00	30.80	183.70	4222.53	-105.21	-11.72	105.77	7.81
4273.00	32.60	184.10	4248.91	-121.46	-12.82	122.05	5.85
4304.00	34.10	184.00	4274.80	-138.46	-14.03	139.10	4.84

4335.00	36.40	183.40	4300.11	-156.32	-15.18	156.99	7.50
4367.00	38.80	184.60	4325.47	-175.79	-16.55	176.51	7.84
4399.00	40.80	184.70	4350.05	-196.20	-18.21	196.99	6.25
4430.00	42.50	183.30	4373.21	-216.75	-19.64	217.59	6.25
4461.00	44.70	183.50	4395.66	-238.09	-20.91	238.97	7.11
4493.00	46.70	183.80	4418.01	-260.95	-22.37	261.87	6.29
4524.00	48.70	184.60	4438.87	-283.81	-24.05	284.79	6.73
4555.00	50.60	184.90	4458.94	-307.36	-26.01	308.41	6.17
4587.00	52.70	185.50	4478.80	-332.35	-28.28	333.50	6.73
4618.00	55.20	185.50	4497.04	-357.29	-30.69	358.55	8.06
4650.00	57.70	184.90	4514.72	-383.85	-33.10	385.21	7.97
4682.00	60.30	184.90	4531.20	-411.18	-35.44	412.64	8.12
4713.00	62.70	184.60	4545.99	-438.32	-37.70	439.87	7.79
4745.00	63.40	184.20	4560.50	-466.77	-39.89	468.40	2.45
4777.00	64.00	183.60	4574.67	-495.39	-41.84	497.09	2.52
4808.00	64.90	183.30	4588.04	-523.30	-43.52	525.05	3.03
4839.00	65.20	183.30	4601.12	-551.36	-45.14	553.16	0.97
4870.00	64.90	183.20	4614.20	-579.43	-46.73	581.26	1.01
4902.00	65.50	183.30	4627.62	-608.43	-48.38	610.31	1.90
4934.00	68.10	183.20	4640.22	-637.79	-50.05	639.72	8.13
4965.00	72.20	182.70	4650.75	-666.90	-51.54	668.87	13.31
4997.00	76.30	183.40	4659.43	-697.65	-53.18	699.65	12.98
5028.00	79.20	184.10	4666.01	-727.88	-55.17	729.94	9.61
5059.00	82.00	184.30	4671.07	-758.38	-57.41	760.53	9.05
5090.00	84.60	183.90	4674.69	-789.08	-59.61	791.31	8.48
5122.00	86.60	183.90	4677.14	-820.91	-61.78	823.21	6.25
5153.00	87.60	183.80	4678.71	-851.80	-63.86	854.17	3.24
5184.00	88.10	183.70	4679.88	-882.71	-65.88	885.15	1.64
5216.00	87.20	183.50	4681.19	-914.62	-67.89	917.12	2.88
5247.00	87.90	183.50	4682.51	-945.54	-69.78	948.10	2.26
5278.00	88.90	183.30	4683.38	-976.47	-71.62	979.08	3.29
5294.00	88.70	183.20	4683.71	-992.44	-72.52	995.08	1.40
5370.00	87.50	182.70	4686.23	-1068.30	-76.43	1071.02	1.71
5402.00	87.50	183.20	4687.63	-1100.22	-78.08	1102.99	1.56
5433.00	87.30	183.40	4689.04	-1131.14	-79.86	1133.95	0.91
5464.00	86.80	183.50	4690.63	-1162.04	-81.72	1164.91	1.64
5496.00	86.70	183.90	4692.44	-1193.93	-83.79	1196.86	1.29
5528.00	87.10	184.40	4694.18	-1225.80	-86.10	1228.81	2.00
5559.00	87.00	184.50	4695.77	-1256.66	-88.50	1259.77	0.46
5591.00	87.60	185.20	4697.28	-1288.51	-91.20	1291.73	2.88
5620.00	87.80	185.00	4698.44	-1317.37	-93.78	1320.70	0.97
5650.00	88.60	185.30	4699.38	-1347.24	-96.47	1350.68	2.85
5680.00	89.10	185.00	4699.99	-1377.11	-99.16	1380.67	1.94
5710.00	89.80	185.20	4700.27	-1406.99	-101.83	1410.66	2.43
5740.00	90.10	185.00	4700.30	-1436.87	-104.50	1440.65	1.20
5771.00	90.10	185.30	4700.25	-1467.74	-107.28	1471.64	0.97
5800.00	90.30	185.30	4700.15	-1496.62	-109.96	1500.63	0.69

5830.00	90.40	185.50	4699.96	-1526.49	-112.78	1530.62	0.75
5861.00	89.80	185.30	4699.91	-1557.35	-115.70	1561.61	2.04
5891.00	89.80	185.20	4700.01	-1587.22	-118.44	1591.60	0.33
5921.00	89.70	184.60	4700.14	-1617.11	-121.01	1621.60	2.03
5951.00	89.80	185.10	4700.27	-1647.01	-123.54	1651.60	1.70
5981.00	88.90	184.80	4700.61	-1676.89	-126.13	1681.59	3.16
6012.00	88.30	184.20	4701.37	-1707.79	-128.56	1712.58	2.74
6042.00	88.50	184.60	4702.21	-1737.69	-130.86	1742.56	1.49
6073.00	88.20	184.90	4703.10	-1768.57	-133.43	1773.55	1.37
6104.00	88.00	184.70	4704.13	-1799.44	-136.02	1804.53	0.91
6134.00	88.20	184.40	4705.12	-1829.33	-138.40	1834.51	1.20
6163.00	88.30	184.00	4706.01	-1858.24	-140.52	1863.49	1.42
6194.00	87.80	183.00	4707.07	-1889.16	-142.41	1894.48	3.60
6225.00	87.90	183.10	4708.23	-1920.10	-144.06	1925.45	0.46
6255.00	88.40	183.40	4709.20	-1950.03	-145.76	1955.43	1.94
6285.00	88.40	183.50	4710.03	-1979.97	-147.57	1985.42	0.33
6315.00	88.90	183.00	4710.74	-2009.91	-149.27	2015.41	2.36
6345.00	88.80	183.30	4711.34	-2039.86	-150.92	2045.40	1.05
6375.00	89.30	183.60	4711.84	-2069.80	-152.72	2075.40	1.94
6406.00	89.30	183.90	4712.22	-2100.73	-154.75	2106.39	0.97
6436.00	89.90	183.50	4712.43	-2130.67	-156.68	2136.39	2.40
6467.00	90.00	182.90	4712.46	-2161.62	-158.41	2167.39	1.96
6498.00	90.10	182.90	4712.43	-2192.58	-159.98	2198.38	0.32
6528.00	89.90	182.60	4712.43	-2222.54	-161.42	2228.38	1.20
6587.00	89.80	182.80	4712.58	-2281.48	-164.20	2287.36	0.38
6618.00	89.90	183.10	4712.66	-2312.44	-165.80	2318.36	1.02
6679.00	90.20	182.90	4712.61	-2373.35	-168.99	2379.35	0.59
6739.00	89.90	182.70	4712.56	-2433.28	-171.92	2439.34	0.60
6769.00	89.90	182.60	4712.61	-2463.25	-173.31	2469.33	0.33
6800.00	88.90	182.40	4712.94	-2494.22	-174.66	2500.32	3.29
6861.00	89.20	183.20	4713.95	-2555.14	-177.64	2561.30	1.40
6941.00	86.60	183.50	4716.88	-2634.94	-182.31	2641.24	3.27
6972.00	85.90	184.00	4718.91	-2665.81	-184.33	2672.17	2.77
7002.00	85.50	184.20	4721.16	-2695.65	-186.47	2702.09	1.49
7032.00	85.40	184.50	4723.54	-2725.46	-188.74	2731.99	1.05
7063.00	85.40	184.30	4726.02	-2756.27	-191.11	2762.89	0.64
7093.00	85.60	184.40	4728.38	-2786.10	-193.38	2792.80	0.74
7123.00	86.00	183.60	4730.57	-2815.94	-195.47	2822.72	2.98
7155.00	86.80	183.40	4732.58	-2847.82	-197.42	2854.65	2.58
7186.00	87.60	183.00	4734.10	-2878.73	-199.14	2885.61	2.88
7218.00	88.30	182.80	4735.24	-2910.67	-200.76	2917.59	2.27
7250.00	88.40	183.10	4736.16	-2942.62	-202.41	2949.57	0.99
7281.00	88.30	183.00	4737.05	-2973.56	-204.06	2980.55	0.46
7313.00	88.10	183.00	4738.06	-3005.50	-205.73	3012.53	0.62
7344.00	88.80	183.10	4738.90	-3036.44	-207.38	3043.52	2.28
7376.00	89.30	183.40	4739.43	-3068.39	-209.19	3075.51	1.82
7407.00	89.40	183.30	4739.78	-3099.33	-211.01	3106.51	0.46

7439.00	89.30	183.20	4740.14	-3131.28	-212.82	3138.50	0.44
7471.00	89.30	183.30	4740.53	-3163.23	-214.63	3170.50	0.31
7503.00	89.00	183.20	4741.01	-3195.17	-216.45	3202.49	0.99
7534.00	88.50	183.00	4741.69	-3226.12	-218.12	3233.48	1.74
7566.00	88.40	183.10	4742.55	-3258.06	-219.83	3265.47	0.44
7598.00	89.00	183.40	4743.28	-3290.00	-221.64	3297.46	2.10
7629.00	89.00	183.30	4743.82	-3320.94	-223.45	3328.45	0.32
7661.00	88.70	182.80	4744.46	-3352.89	-225.15	3360.44	1.82
7692.00	89.00	182.70	4745.08	-3383.85	-226.64	3391.43	1.02
7724.00	89.60	183.20	4745.47	-3415.80	-228.29	3423.42	2.44
7756.00	89.60	184.10	4745.70	-3447.74	-230.32	3455.42	2.81
7787.00	89.10	184.80	4746.05	-3478.64	-232.73	3486.41	2.77
7819.00	89.60	185.50	4746.41	-3510.51	-235.60	3518.41	2.69
7850.00	90.70	185.40	4746.33	-3541.37	-238.54	3549.39	3.56
7882.00	91.00	185.30	4745.86	-3573.23	-241.53	3581.38	0.99
7977.00	88.90	183.80	4745.94	-3667.92	-249.06	3676.37	2.72
8008.00	89.00	183.70	4746.51	-3698.85	-251.09	3707.36	0.46
8039.00	89.00	183.70	4747.05	-3729.78	-253.09	3738.36	0.00
8071.00	89.30	184.00	4747.52	-3761.70	-255.24	3770.35	1.33
8103.00	89.20	183.70	4747.94	-3793.63	-257.39	3802.35	0.99
8135.00	88.60	183.40	4748.56	-3825.56	-259.37	3834.34	2.10
8166.00	88.70	183.30	4749.29	-3856.50	-261.18	3865.33	0.46
8198.00	88.70	183.30	4750.01	-3888.44	-263.02	3897.32	0.00
8230.00	88.30	183.20	4750.85	-3920.37	-264.84	3929.31	1.29
8261.00	88.40	183.10	4751.74	-3951.32	-266.54	3960.29	0.46
8293.00	88.90	183.40	4752.50	-3983.25	-268.35	3992.28	1.82
8324.00	89.20	183.20	4753.01	-4014.20	-270.14	4023.28	1.16
8356.00	89.30	183.20	4753.43	-4046.15	-271.92	4055.27	0.31
8388.00	89.70	183.20	4753.71	-4078.10	-273.71	4087.27	1.25
8419.00	89.60	183.20	4753.90	-4109.05	-275.44	4118.26	0.32
8451.00	88.60	182.80	4754.40	-4141.00	-277.11	4150.26	3.37
8482.00	88.70	182.70	4755.13	-4171.95	-278.60	4181.24	0.46
8514.00	89.10	183.00	4755.75	-4203.91	-280.19	4213.23	1.56
8546.00	89.50	183.10	4756.14	-4235.86	-281.89	4245.22	1.29
8577.00	89.60	183.00	4756.38	-4266.82	-283.54	4276.22	0.46
8609.00	89.50	182.90	4756.63	-4298.77	-285.19	4308.21	0.44
8640.00	89.90	183.00	4756.79	-4329.73	-286.79	4339.21	1.33
8703.00	89.10	182.20	4757.34	-4392.66	-289.64	4402.19	1.80
8734.00	89.20	182.10	4757.80	-4423.64	-290.81	4433.17	0.46
8797.00	89.20	182.00	4758.68	-4486.59	-293.06	4496.13	0.16
8829.00	89.30	182.00	4759.10	-4518.57	-294.18	4528.11	0.31
8892.00	89.60	182.30	4759.71	-4581.52	-296.54	4591.08	0.67
8924.00	89.60	182.20	4759.93	-4613.50	-297.80	4623.06	0.31
8987.00	89.90	182.00	4760.20	-4676.45	-300.10	4686.03	0.57
9034.00	89.90	182.00	4760.29	-4723.42	-301.74	4733.01	0.00

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to GL 1270' + 22' KB. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 183.907° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), Kansas South 1
Central meridian is -98.500°.

Grid Convergence at Surface is 0.147°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 9034.00ft.,
the Bottom Hole Displacement is 4733.05ft., in the Direction of 183.907° (Grid).

.502.

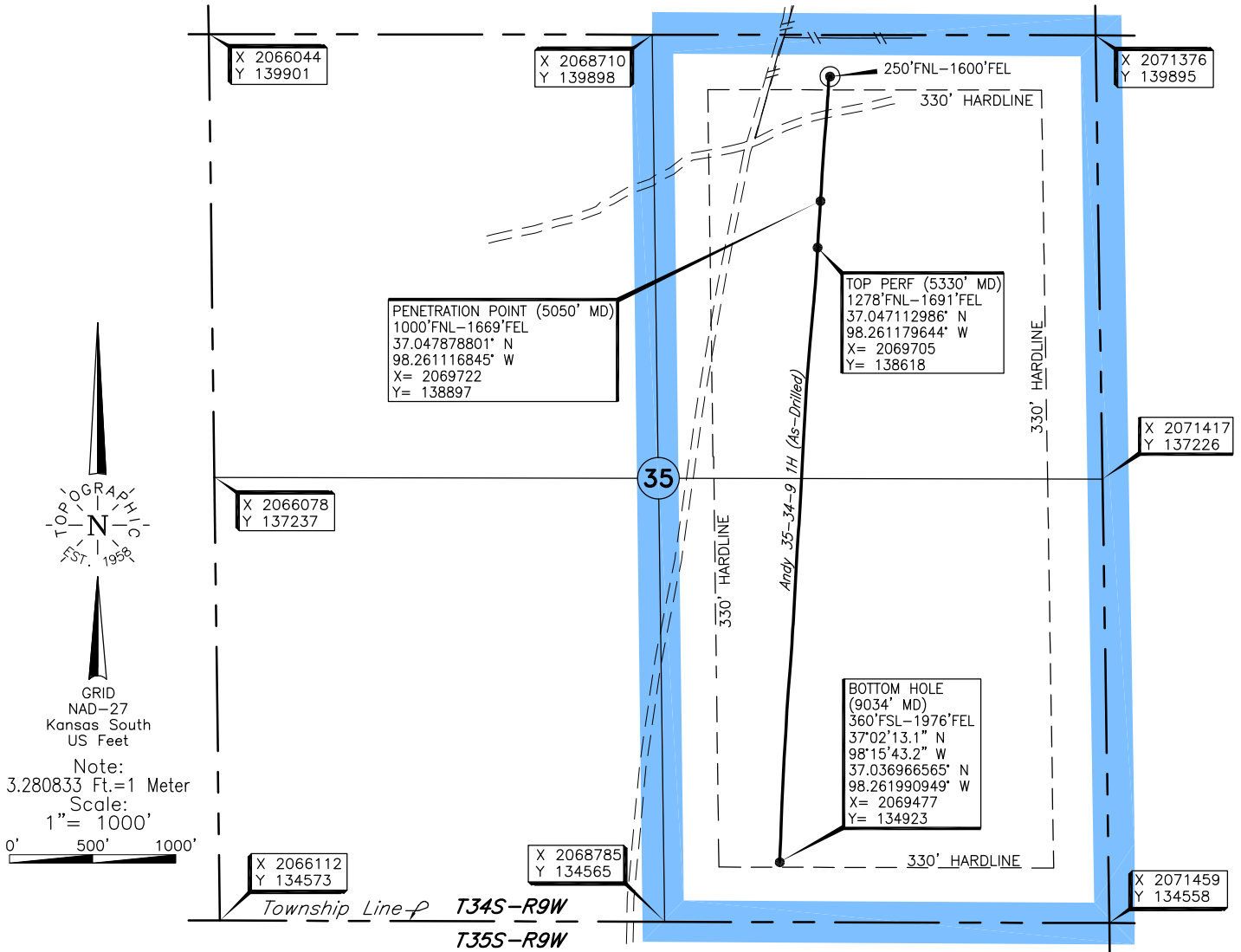
TOPOGRAPHIC LAND SURVEYORS

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2015

HARPER

County, Kansas

250'FNL - 1600'FEL Section 35 Township 34S Range 9W P.M.



Operator: TAPSTONE ENERGY

Lease Name: ANDY 35-34-9

Well No.: 1H

ELEVATION:
1270' Gr. at Stake

Topography & Vegetation Loc. fell in sandy hilly pasture, ±340' East of pipeline, ±232' South of pipeline

Good Drill Site? Yes Reference Stakes or Alternate Location
 Stakes Set None

Best Accessibility to Location From SW off lease road

Distance & Direction
 from Hwy Jct or Town From Oklahoma-Kansas State Line on St Hwy. 58, go ±1.1 mi. North on county road to lease road East, then ±3.4 mi. NE - North on lease road to the location in the NE/4 of Sec. 35-T34S-R9W

(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)
 DATUM: NAD-27
 LAT: 37°02'59.8"N
 LONG: 98°15'39.3"W
 LAT: 37.049936839° N
 LONG: 98.260915798° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2069779
 Y: 139647

243401 Date of Drawing: Apr. 21, 2015
 Invoice # 240475 Date Staked: Feb. 17, 2015 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY TAPSTONE ENERGY

The Road to Excellence Starts with Safety

Sold To #: 372073	Ship To #: 3652105	Quote #: 0022013277	Sales Order #: 0902245920
Customer: TAPSTONE ENERGY LLC		Customer Rep: SKIPPER GRAPE	
Well Name: ANDY 35-34-9	Well #: 1H	API/UWI #: 15-077-22135-01	
Field: UNDESIGNATED	City (SAP): WALDRON	County/Parish: HARPER	State: KANSAS
Legal Description: NE NE NW NE-35-34S-9W-250FNL-1600FEL			
Contractor: NOMAC		Rig/Platform Name/Num: NOMAC 07	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA/HX25353		Srvc Supervisor: Stephen Fish	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	800ft		Job Depth TVD
Water Depth			Wk Ht Above Floor 4 FT
Perforation Depth (MD)	From		To

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			12.25				0	800		
Casing	3	9.625	8.921	36	LTC	J-55	0	800		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe					Top Plug	9.625	1	HES
Float Shoe	9.625	1		805	Bottom Plug			
Float Collar	9.625	1		760.22	SSR plug set			
Insert Float					Plug Container	9.625	1	HES
Stage Tool					Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Water Spacer	Water Spacer	10	bbl	8.33					
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Primary Cement	SWIFTCEM (TM) SYSTEM	490	sack	15	1.319		4	6.25	
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								

94 lbm		CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
0.1250 lbm		POLY-E-FLAKE (101216940)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	58.6	bbl	8.33				
Cement Left In Pipe	Amount	44.78 ft		Reason	Shoe Joint				
Comment									

Summary Report



Sales Order #: 0902245920
WO #: 0902245920
PO/AFE #: NA

Crew: _____

Job Start Date: 3/22/2015

Customer: TAPSTONE ENERGY LLC

Field: UNDESIGNATED

Job Type: CMT SURFACE
CASING BOM
Service Supervisor: Stephen Fish

UWI / API Number: 15-077-22135-01

County/Parish: HARPER

Well Name: ANDY 35-34-9

State: KANSAS

Well No: 1H

Latitude: 37.049946

Longitude: -98.260918

Sect / Twn / Rng: 35/34/9

Cust Rep Name: SKIPPER GRAPE
Cust Rep Phone #:

Remarks:		
<i>The Information Stated Herein Is Correct</i>	Customer Representative Signature	Date
	Customer Representative Printed Name	

HALIBURTON

Customer: TAPSTONE ENERGY LLC
 Job: 9.625 IN. SURFACE
 Case: TAPSTONE ENERGY | SO#: 0902245920

1.0 Real-Time Job Summary

1.1 Job Event Log

Event	Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Downhole Density (ppg)	Driv-Side Pump Pressure (psi)	Comments
Event 1	Call Out		Call Out		3/22/2015	08:00:00	USER				REQUESTED ON LOCATION @ 1500
Event 2	Pre-Convoy Safety Meeting		Pre-Convoy Safety Meeting		3/22/2015	09:15:00	USER				SWA, SAFE FOLLOWING DISTANCE, PLANNED STOPS, OBEY ALL TRAFFIC LAWS
Event 3	Depart from Service Center or Other Site		Depart from Service Center or Other Site		3/22/2015	09:45:00	USER				LATE TO LOCATION DO TO DIRECTIONS BEING WRONG AND HAVING NO CELL PHONE SERVICE, BULK EQUIPMENT BROKE DOWN 45 MINS FROM LOCATION, INSTRUCTED TO BRING FIRST BULK TRAILER TO LOCATION DROP OFF TRAILER AND BOB TAIL TRACTOR BACK TO GET THE SECOND BULK TRAILER AND BRING TO LOCATION, ALL EQUIPMENT WAS ON LOCATION @ 1930
Event 4	Arrive at Location from Service Center		Arrive at Location from Service Center		3/22/2015	16:30:00	USER				
Event 5	Pre-Rig Up Safety Meeting		Pre-Rig Up Safety Meeting		3/22/2015	17:00:00	USER				LINE OF FIRE, PINCH POINTS, SLIP, TRIPS, FALLS, PUMPING PLAN, EMERGENCY NUMBERS, PRESSURE AWARENESS, SWA,
Event 6	Pre-Job Safety Meeting		Pre-Job Safety Meeting		3/22/2015	19:00:00	USER	0.00	8.49	0.00	
Event 7	Test Lines		Test Lines		3/22/2015	19:46:53	COM5	0.00	8.48	1.00	TEST LINES TO 2000 PSI, TEST D/S KO TO 500 PSI,

iCem Service

(v. 4.1.107)

Created: Sunday, March 22, 2015

HALLIBURTON

Customer: TAPSTONE ENERGY LLC

Job: 9.625 IN. SURFACE

Case: TAPSTONE ENERGY | SO#: 0902245920

TEST P/S KO TO 750 PSI

Event	Description	Date	Time	User	Start	End	Value	Notes
Event 8	Pump Spacer 1	3/22/2015	19:51:48	COM5	0.00	8.44	-3.00	FRESH WATER
Event 9	Pump Cement	3/22/2015	19:56:20	COM5	4.00	8.43	20.00	@ 15 #
Event 10	Pump Displacement	3/22/2015	20:27:13	COM5	0.00	15.30	1.00	FRESH WATER, CEMENT BACK @ 15 BBLS GONE TOTAL OF 43 BBLS OF CEMENT BACK TO SURFACE
Event 11	Bump Plug	3/22/2015	20:46:02	COM5	0.00	8.44	698.00	500 OVER, LANDED PLUG @ 235 PSI, FINAL PSI WAS 735 PSI
Event 12	Other	3/22/2015	20:47:41	COM5	0.00	8.45	740.00	FLOATS HELD, 5 BBLS BACK
Event 13	End Job	3/22/2015	20:49:49	USER	0.00	8.43	-1.00	
Event 14	Post-Job Safety Meeting (Pre Rig-Down)	3/22/2015	20:55:00	USER	1.80	8.44	-5.00	WATCH PINCH POINTS, SLIP, TRIPS, AND FALLS, LIFTING, LOWERING
Event 15	Pre-Convoy Safety Meeting	3/22/2015	21:45:00	USER				SWA, PLANNED STOPS, SAFEST ROUTE, WILDLIFE
Event 16	Depart Location for Service Center or Other Site	3/22/2015	22:00:00	USER				LEAVE LOCATION HEAD BACK TO DUNCAN FIELD CAMP

HALLIBURTON

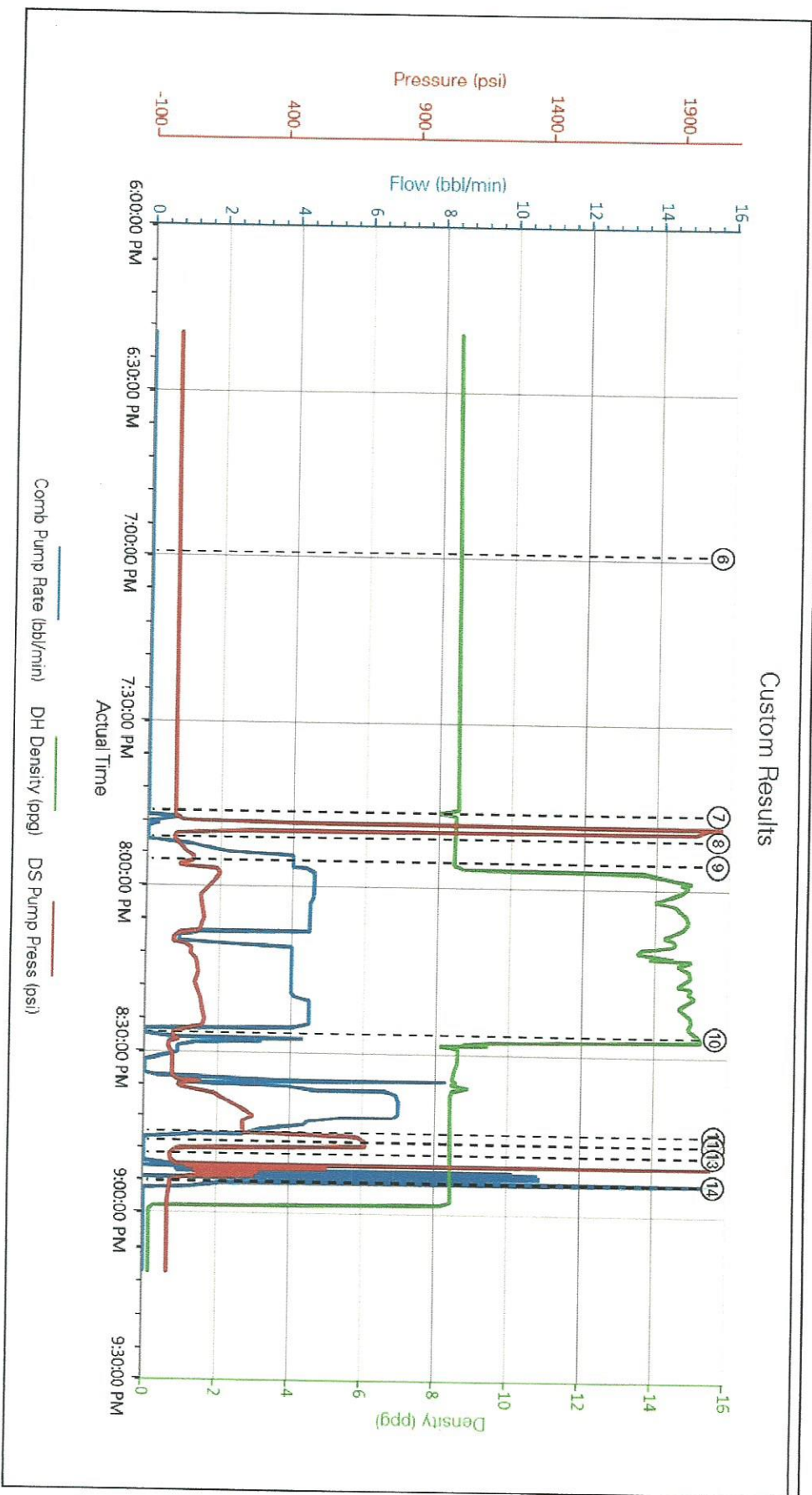
Customer: TAPSTONE ENERGY LLC

Job: 9.625 IN. SURFACE

Case: TAPSTONE ENERGY | SO#: 0902245920

2.0 Custom Graphs

2.1 Custom Graph



HALLIBURTON

Customer: TAPSTONE ENERGY LLC

Job: ANDY 35-34.9.1H

Case: Case 1

1.4 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DS Pump Press (psi)	DH Density (ppg)	Recirc Density (ppg)	Comments
Event	1	Call Out	Call Out	3/27/2015	12:00:00	USER					Called out by ARS OKC,OK
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	3/27/2015	13:00:00	USER					Discussed route to location and safe driving
Event	3	Depart Home for Location	Depart Home for Location	3/27/2015	14:00:00	USER					Departed El Reno for location
Event	4	Arrive At Loc	Arrive At Loc	3/27/2015	17:00:00	USER					Arrived on location 1700 O/L time 1800
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	3/27/2015	19:12:26	USER	0.00	7.00	-0.33	0.00	Discussed rig up procedures and safety
Event	6	Rig-Up Equipment	Rig-Up Equipment	3/27/2015	19:12:27	USER	0.00	7.00	-0.32	0.00	Rig up equipment
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	3/27/2015	19:12:28	USER	0.00	7.00	-0.32	0.00	Discussed safety, nearest Hospital and job details.
Event	8	Test Lines	Test Lines	3/27/2015	19:56:11	COM4	0.00	27.00	8.26	8.38	Tested lines to 3000 PSI
Event	9	Pump Spacer 1	Pump Spacer 1	3/27/2015	19:57:55	COM4	2.00	15.00	8.22	8.34	Pumped 10 BBLS mud Spacer @ 3 BBLS
Event	10	Drop Bottom Plug	Drop Bottom Plug	3/27/2015	19:59:53	USER	2.00	220.00	8.27	8.33	Dropped bottom plug with Mud Flush
Event	11	Pump Lead Cement	Pump Lead Cement	3/27/2015	20:03:43	COM4	2.00	223.00	8.33	13.34	Pumped 38 BBLS of Lead Cement @ 5 BBLS
Event	12	Pump Tail Cement	Pump Tail Cement	3/27/2015	20:11:24	COM4	4.00	218.00	14.24	15.50	Pumped 19 BBLS Tail Cement @ 5 BBLS
Event	13	Shutdown	Shutdown	3/27/2015	20:11:25	USER	4.00	215.00	14.25	15.54	Shutdown
Event	14	Drop Top Plug	Drop Top Plug	3/27/2015	20:11:26	USER	4.00	216.00	14.26	15.58	Drop top plug
Event	15	Pump Displacement	Pump Displacement	3/27/2015	20:20:33	COM4	0.80	-18.00	7.95	2.11	Pumped 200 BBLS of

iCem Service

(v. 4.1.107)

Created: Friday, March 27, 2015

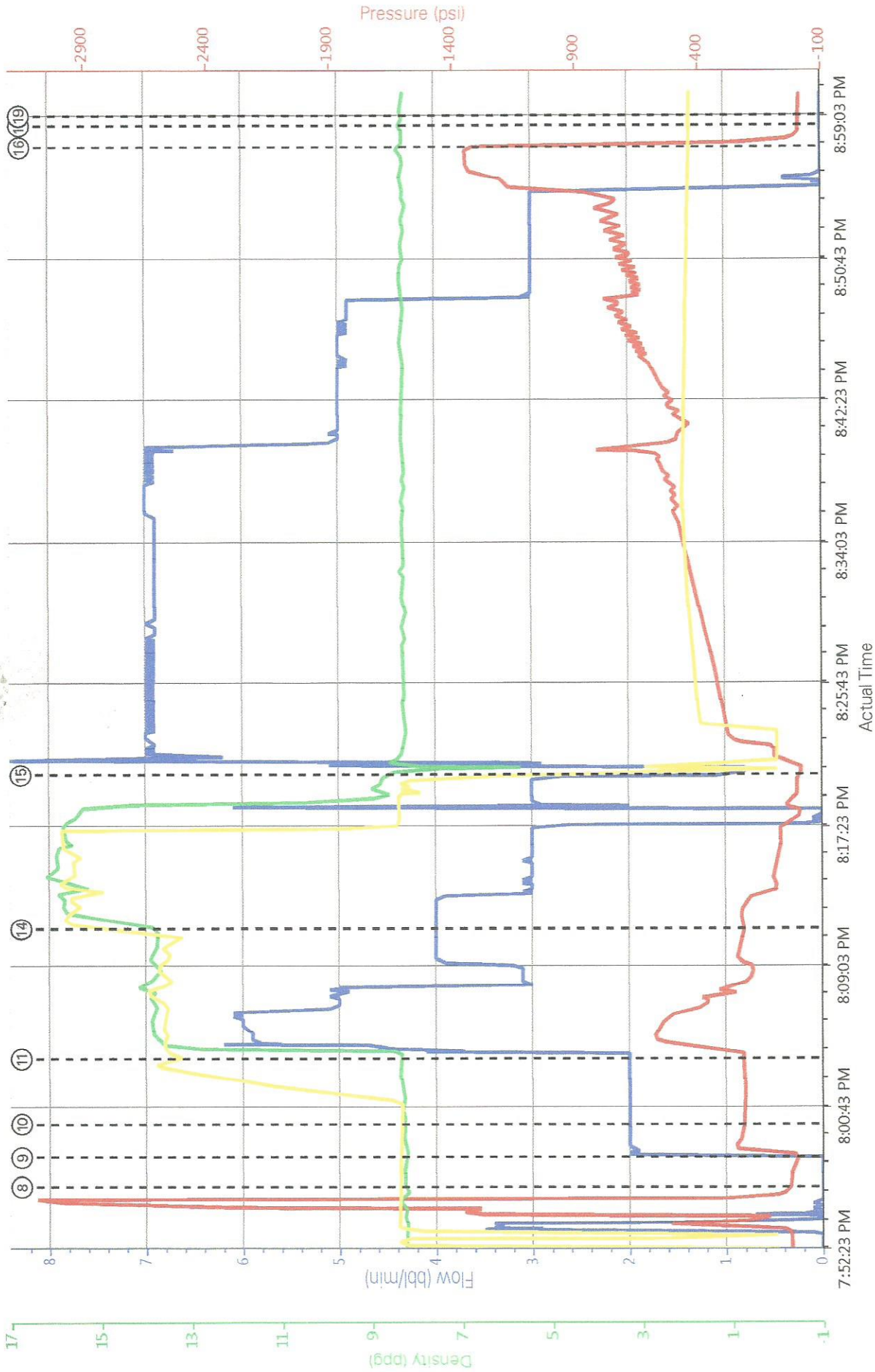
HALLIBURTON

Customer: TAPSTONE ENERGY LLC
 Job: ANDY 35-349 1H
 Case: Case 1

Displacement Bumped plug
 @ 1300 PSI

Event 16	Bump Plug	Bump Plug	3/27/2015	20:57:25	COM4	0.00	358.00	8.30	1.91	Bumped plug @ 1300 PSI
Event 17	Check Floats	Check Floats	3/27/2015	20:58:40	USER	0.00	-14.00	8.29	1.91	Floats held 1 BBLS back
Event 18	End Job	End Job	3/27/2015	20:59:14	COM4	0.00	-14.00	8.35	1.90	Job activities complete
Event 19	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	3/27/2015	20:59:15	USER	0.00	-14.00	8.33	1.90	Discussed rig down procedures and safety
Event 20	Rig-Down Equipment	Rig-Down Equipment	3/27/2015	21:30:00	USER					Rig down equipment
Event 21	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	3/27/2015	22:00:00	USER					Departed location for EI Reno
Event 22	Arrive at Home	Arrive at Home	3/28/2015	02:00:00	USER					Arrive EI Reno

TAPSTO NE ANDY 35-34-9 1H



Comb Pump Rate (bb/min) DS Pump Press (psi) DH Density (ppg) Recirc Density (ppg)

- ⑧ Pump Spacer 12; 15; 8:22; 8:34
- ⑨ Pump Lead Cement 2; 2:23; 8:33; 13:34
- ⑩ Shutdown 4; 2:15; 14:25; 5:24
- ⑪ Pump Displacement 0.8; 18; 7:95; 2:11
- ⑫ Check Floats 0; 14; 8:29; 9:17
- ⑬ Bottom Plug 2; 2:20; 8:27; 8:33
- ⑭ Pump Tail Cement 4; 2:18; 14:24; 15:5
- ⑮ Drop Top Plug 4; 2:16; 14:26; 15:58
- ⑯ Bump Plug 0; 3:58; 8:3; 1:91
- ⑰ End Job 0; 14; 8:35; 1:9
- ⑱ Pre-Rig
- ⑲ 20 Rig-Do

The Road to Excellence Starts with Safety

Sold To #: 372073 Ship To #: 3652105 Quote #: 0022013635 Sales Order #: 0902255447

Customer: TAPSTONE ENERGY LLC Customer Rep:

Well Name: ANDY 35-34-9 Well #: 1H APL/UWI #: 15-077-22135-01

Field: UNDESIGNATED City (SAP): WALDRON County/Parish: HARPER State: KANSAS

Legal Description: NE NE NW NE-35-34S-9W-250FNL-1600FEL

Contractor: NOMAC Rig/Platform Name/Num: NOMAC 07

Job BOM: 7522

Well Type: HORIZONTAL OIL

Sales Person: HALAMERICA\HX25353

Svc Supervisor: Robert Husted

Job

Formation Name

Formation Depth (MD) Top Bottom

Form Type BHST

Job depth MD 5161ft

Water Depth WK Ht Above Floor

Perforation Depth (MD) From To

Well Data

Description New / Used Size in ID in Weight lbm/ft Thread Grade Top MD Bottom MD Top TVD Bottom TVD

Casing 3 9.625 8.921 36 LTC J-55 0 800

Casing 3 7 6.276 26 LTC P-110 0 5161 0 4694

Open Hole Section

Tools and Accessories

Type Size in Qty Make Depth ft

Guide Shoe 7 7 5161 Top Plug

Float Shoe 7 7 Bottom Plug

Float Collar 7 7 SSR plug set

Insert Float 7 7 Plug Container

Stage Tool 7 7 Centralizers

Miscellaneous Materials

Gelling Agt Conc Surfactant Conc Acid Type Sand Type

Treatment Fid Conc Qty Size Qty Conc

Fluid Data

Stage/Plug #: 1

Fluid # Stage Type Fluid Name Qty Qty Uom Mixing Density ft3/sack Yield Mix Rate n Total Mix Gal

1 Mud Flush III Mud Flush III 10 bbl 8.4

FRESH WATER 41 gal/bbl

Page 1 of 3

last updated on 3/27/2015 10:10:52 PM

Cementing Job Summary

HALLIBURTON

Fluid #	Stage Type	Fluid Name	Qty	Qty Uom	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi	Total Mix Fluid Gal
2	Lead Cement	ECONOCEM (TM) SYSTEM	140	sack	13.6	1.506		5	7.3
0.40% HALAD(R)-9, 50 LB (100001617) BENTONITE, BULK (100003682) <i>38 bbls</i>									
3	Tail Cement	HALCEM (TM) SYSTEM	90	sack	15.6	1.184		5	5.26
0.40% HALAD(R)-9, 50 LB (100001617) 0.40% FRESH WATER <i>15 bbls</i>									
Fluid #	Stage Type	Fluid Name	Qty	Qty Uom	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi	Total Mix Fluid Gal
4	Displacement	Displacement	200	bbl	8.33			5	
Cement Left In Pipe Amount 85.96 ft Reason Shoe Joint									
	Mix Water: pH ##	Mix Water: ## ppm Chloride		Mix Water Temperature: ## °F °C					
	Cement Temperature: ## °F °C	Plug Displaced by: ## lb/gal ka/m ³ XXXX		Disp. Temperature: ## °F °C					
	Plug Bumped? Yes	Bump Pressure: 1300 psi		Floats Height: ##					
	Cement Returns: ## bbl m ³	Returns Density: ## lb/gal kg/m ³		Returns Temperature: ## °F °C					

Comment 1 bbls RETURN



Summary Report

Sales Order #: 0902255447
WO #: 0902255447
PO/AFE #: NA

Crew: _____
Job Start Date: 3/27/2015

Customer:	TAPSTONE ENERGY LLC	Field:	UNDESIGNATED	Job Type:	CMT INTERMEDIATE
UWI / API Number:	15-077-22135-01	County/Parish:	HARPER	Service Supervisor:	CASING BOM Robert Husted
Well Name:	ANDY 35-34-9	State:	KANSAS	Cust Rep Name:	
Well No:	1H	Latitude:	37.049946	Cust Rep Phone #:	
		Longitude:	-98.260918		
		Sect / Twn / Rng:	35/34/9		

Remarks:

The information stated herein is correct

Customer Representative Printed Name

Customer Representative Signature

Date