



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1223003
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: _____

1223003

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> _____	PRODUCTION INTERVAL: _____ _____
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TOPOGRAPHIC LAND SURVEYORS

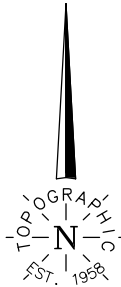
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2015

HARPER

County, Kansas

200'FNL-1980'FEL Section 11 Township 35S Range 9W P.M.

X= 2071459
Y= 134558



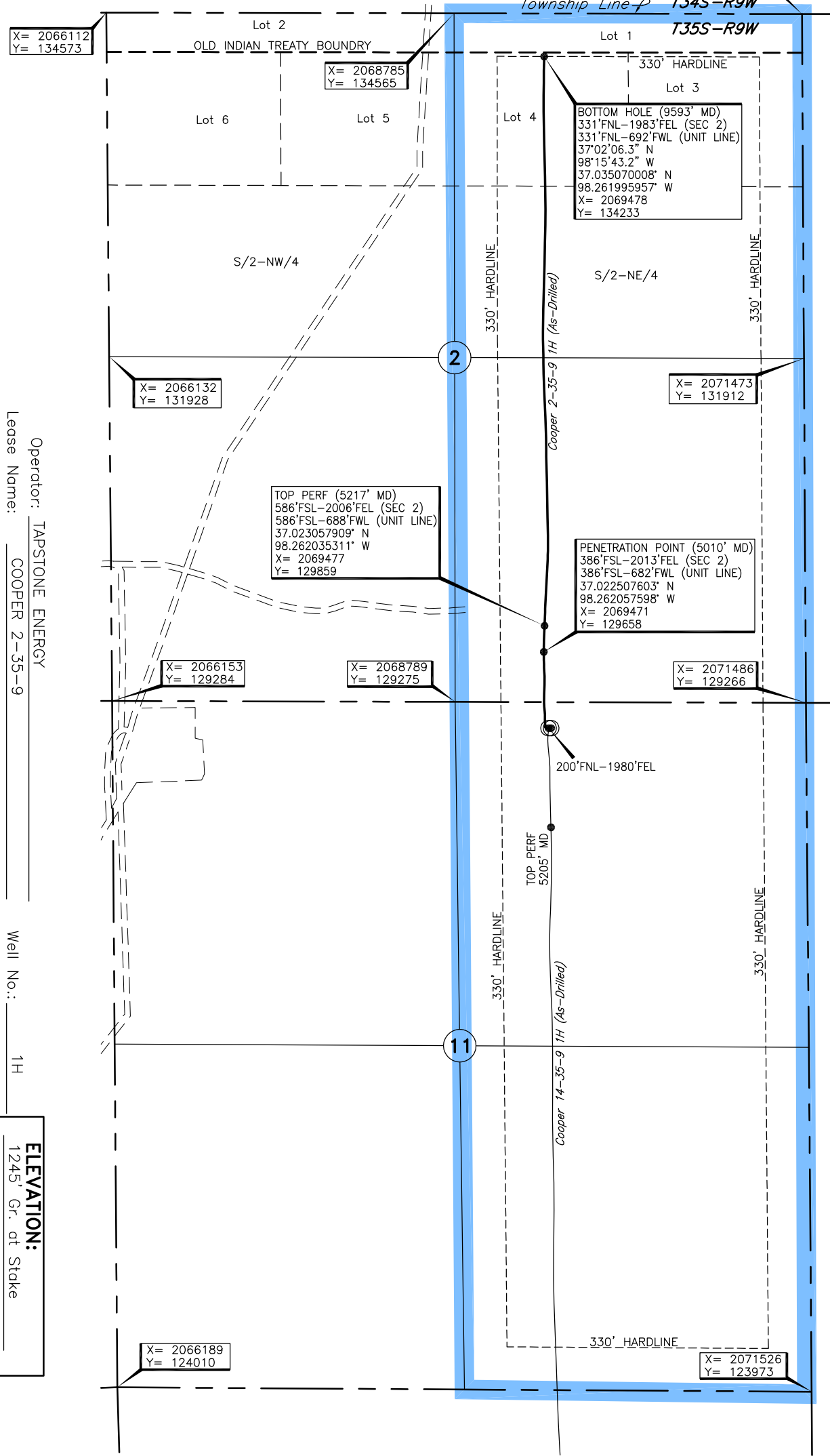
GRAD
1983
N
EST.
GRID
NAD-27
Kansas South
US Feet

Note:
3.280833 Ft.=1 Meter

Scale:
1" = 1000'

0' 500' 1000'

A boundary survey of the said section(s) shown hereon was not performed per the request of the operator shown hereon.



Operator: TAPSTONE ENERGY
 Lease Name: COOPER 2-35-9
 Topography & Vegetation: Loc. fell in sandy pasture
 Good Drill Site? Yes
 Reference Stakes or Alternate Location: Stakes Set None
 Best Accessibility to Location: From South off lease road
 Distance & Direction from Hwy Jct or Town: From Jct. of St. Hwy 58 & Oklahoma & Kansas State Line, go North 0.75 mi. on on St. Hwy 58 to new lease road, then go East ±2.0 mi. NE-E on lease road to NE corner of Section 11-T35S-R9W

Well No.: 1H
ELEVATION:
 1245' Gr. at Stake

DATUM: NAD-27
 LAT: 37°01'15.2" N
 LONG: 98°15'43.0" W
 LAT: 37.020898239° N
 LONG: 98.261939110° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2069508
 Y: 129072

231499 Date of Drawing: Sep. 23, 2014
 Invoice # 220485 Date Staked: Apr. 16, 2014 JP

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY TAPSTONE ENERGY

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

Tapstone Energy
Cooper 2-35-9 1H
API# 15-077-22076-01-00

Vertical Section Azimuth @ 359.70 Degrees

Date/Time	Depth	Inc	Azm	TVD	N/-S	E/-W	VS
9/8/2014 14:05	892.00	0.28	113.44	892.00	-0.88	2.03	-0.89
9/8/2014 15:46	1081.00	0.25	87.69	1080.99	-1.05	2.87	-1.06
9/8/2014 17:00	1270.00	0.25	122.54	1269.99	-1.25	3.62	-1.27
9/8/2014 19:20	1460.00	0.29	211.70	1459.99	-1.89	3.71	-1.91
9/8/2014 21:03	1554.00	1.61	266.12	1553.98	-2.18	2.27	-2.19
9/8/2014 21:53	1647.00	2.28	270.55	1646.92	-2.25	-0.89	-2.25
9/8/2014 22:40	1741.00	1.68	266.01	1740.87	-2.33	-4.13	-2.31
9/8/2014 23:46	1835.00	1.44	263.29	1834.83	-2.56	-6.68	-2.53
9/9/2014 0:36	1930.00	0.91	253.44	1929.81	-2.92	-8.59	-2.87
9/9/2014 1:47	2023.00	0.96	264.99	2022.80	-3.2	-10.08	-3.14
9/9/2014 2:23	2117.00	0.75	280.21	2116.79	-3.16	-11.46	-3.1
9/9/2014 3:12	2211.00	0.87	276.53	2210.78	-2.97	-12.77	-2.9
9/9/2014 4:13	2305.00	0.81	274.73	2304.77	-2.83	-14.14	-2.76
9/9/2014 5:17	2400.00	0.33	311.35	2399.76	-2.59	-15.02	-2.52
9/9/2014 6:05	2494.00	1.09	344.32	2493.76	-1.55	-15.46	-1.47
9/9/2014 6:53	2588.00	1.31	347.37	2587.74	0.36	-15.94	0.44
9/9/2014 7:53	2682.00	1.28	333.11	2681.71	2.34	-16.65	2.43
9/9/2014 8:58	2775.00	1.31	320.46	2774.69	4.09	-17.8	4.18
9/9/2014 10:46	2870.00	0.92	318.83	2869.67	5.5	-18.99	5.6
9/9/2014 13:13	2963.00	0.99	290.04	2962.66	6.33	-20.24	6.44
9/9/2014 14:42	3058.00	1.13	269.06	3057.64	6.6	-21.95	6.72
9/9/2014 15:26	3153.00	0.93	279.88	3152.63	6.72	-23.64	6.84
9/9/2014 16:13	3246.00	0.90	268.65	3245.62	6.83	-25.12	6.96
9/9/2014 17:14	3340.00	0.46	340.92	3339.61	7.17	-25.98	7.31
9/9/2014 18:49	3434.00	0.66	58.10	3433.61	7.82	-25.64	7.95
9/9/2014 19:56	3529.00	0.78	63.88	3528.60	8.39	-24.6	8.52
9/9/2014 20:58	3623.00	0.37	36.29	3622.59	8.92	-23.84	9.04
9/9/2014 22:04	3717.00	0.50	317.95	3716.59	9.47	-23.94	9.59
9/9/2014 22:51	3812.00	0.41	107.89	3811.59	9.67	-23.89	9.79
9/9/2014 23:50	3907.00	0.12	158.00	3906.59	9.47	-23.53	9.59
9/10/2014 1:18	3969.00	0.26	298.90	3968.59	9.48	-23.63	9.6
9/10/2014 2:43	4001.00	1.15	344.66	4000.59	9.82	-23.77	9.95
9/10/2014 4:24	4032.00	3.30	350.19	4031.56	11	-24.01	11.13
9/10/2014 5:13	4064.00	5.62	352.94	4063.46	13.46	-24.36	13.59
9/10/2014 6:18	4095.00	7.45	354.16	4094.26	16.97	-24.75	17.1
9/10/2014 7:33	4126.00	9.47	355.16	4124.92	21.51	-25.17	21.64
9/10/2014 8:33	4158.00	11.36	355.91	4156.39	27.28	-25.62	27.41

9/10/2014 9:40	4190.00	13.38	355.42	4187.65	34.12	-26.14	34.25
9/10/2014 11:24	4221.00	15.61	355.53	4217.66	41.85	-26.75	41.99
9/10/2014 12:37	4252.00	18.05	356.33	4247.33	50.8	-27.38	50.94
9/10/2014 13:42	4283.00	20.92	358.01	4276.55	61.13	-27.88	61.27
9/10/2014 14:57	4315.00	22.82	359.59	4306.25	73.04	-28.12	73.19
9/10/2014 16:29	4346.00	24.53	0.02	4334.64	85.49	-28.16	85.64
9/10/2014 17:51	4377.00	26.09	359.35	4362.66	98.74	-28.24	98.89
9/10/2014 18:58	4408.00	28.94	357.35	4390.15	113.05	-28.66	113.2
9/10/2014 20:12	4439.00	31.52	355.77	4416.94	128.63	-29.61	128.78
9/10/2014 22:05	4471.00	33.64	355.30	4443.90	145.8	-30.95	145.96
9/11/2014 0:02	4502.00	36.64	356.41	4469.25	163.6	-32.23	163.76
9/11/2014 1:15	4533.00	39.83	357.24	4493.60	182.75	-33.29	182.92
9/11/2014 2:38	4565.00	43.74	358.41	4517.45	204.05	-34.09	204.23
9/11/2014 5:09	4596.00	46.73	359.68	4539.28	226.06	-34.46	226.23
9/11/2014 6:36	4627.00	49.91	1.37	4559.89	249.21	-34.24	249.38
9/11/2014 8:23	4658.00	52.72	2.64	4579.27	273.39	-33.38	273.56
9/11/2014 10:06	4688.00	55.04	3.58	4596.95	297.58	-32.06	297.74
9/11/2014 11:39	4720.00	57.25	2.09	4614.78	324.12	-30.76	324.28
9/11/2014 13:00	4751.00	59.99	0.17	4630.92	350.58	-30.24	350.73
9/11/2014 14:15	4782.00	62.69	358.43	4645.78	377.77	-30.58	377.93
9/11/2014 14:41	4813.00	65.41	357.61	4659.35	405.63	-31.55	405.79
9/11/2014 15:15	4845.00	66.72	358.00	4672.33	434.85	-32.66	435.02
9/11/2014 15:55	4877.00	67.03	358.19	4684.90	464.26	-33.64	464.43
9/11/2014 16:35	4908.00	66.65	358.28	4697.09	492.75	-34.52	492.93
9/11/2014 17:09	4940.00	65.88	358.93	4709.97	522.04	-35.23	522.21
9/11/2014 17:57	4972.00	65.63	359.26	4723.12	551.21	-35.69	551.39
9/11/2014 20:05	5003.00	66.00	359.40	4735.81	579.49	-36.03	579.67
9/11/2014 22:24	5034.00	66.81	359.50	4748.22	607.89	-36.3	608.08
9/12/2014 0:45	5065.00	70.43	0.48	4759.52	636.75	-36.3	636.94
9/12/2014 2:54	5096.00	76.16	1.33	4768.43	666.43	-35.83	666.61
9/12/2014 5:09	5128.00	81.38	2.99	4774.66	697.78	-34.64	697.95
9/12/2014 7:37	5159.00	84.32	3.51	4778.52	728.49	-32.89	728.65
9/13/2014 23:28	5225.00	88.19	2.02	4782.83	794.26	-29.71	794.4
9/14/2014 0:35	5257.00	89.69	2.23	4783.43	826.23	-28.53	826.37
9/14/2014 1:36	5288.00	90.43	2.10	4783.39	857.21	-27.36	857.34
9/14/2014 2:18	5320.00	91.20	2.04	4782.94	889.18	-26.2	889.31
9/14/2014 3:14	5352.00	91.82	1.94	4782.10	921.15	-25.09	921.27
9/14/2014 4:17	5383.00	91.20	2.48	4781.28	952.12	-23.9	952.23
9/14/2014 5:02	5415.00	89.75	2.98	4781.01	984.08	-22.37	984.18
9/14/2014 6:05	5446.00	88.77	2.97	4781.41	1015.03	-20.76	1015.13
9/14/2014 7:11	5478.00	90.34	3.43	4781.66	1046.98	-18.98	1047.07
9/14/2014 7:49	5510.00	91.45	3.09	4781.16	1078.93	-17.16	1079.00
9/14/2014 8:29	5541.00	91.66	3.21	4780.32	1109.87	-15.46	1109.93
9/14/2014 9:06	5573.00	92.19	3.24	4779.24	1141.8	-13.66	1141.85
9/14/2014 10:11	5604.00	92.19	3.35	4778.06	1172.72	-11.88	1172.77
9/14/2014 10:50	5636.00	91.82	2.81	4776.94	1204.66	-10.16	1204.69
9/14/2014 11:25	5668.00	91.79	2.90	4775.93	1236.6	-8.57	1236.63

9/14/2014 12:25	5699.00	92.10	2.70	4774.88	1267.55	-7.05	1267.57
9/14/2014 13:17	5730.00	91.73	2.35	4773.84	1298.5	-5.69	1298.51
9/14/2014 13:57	5762.00	90.62	1.06	4773.19	1330.48	-4.73	1330.48
9/14/2014 15:12	5793.00	90.80	0.90	4772.80	1361.47	-4.2	1361.47
9/14/2014 15:53	5824.00	90.74	359.97	4772.39	1392.47	-3.96	1392.47
9/14/2014 16:29	5854.00	90.90	359.75	4771.96	1422.46	-4.04	1422.47
9/14/2014 17:04	5884.00	91.08	359.77	4771.44	1452.46	-4.16	1452.46
9/14/2014 17:41	5914.00	91.11	359.15	4770.87	1482.45	-4.44	1482.46
9/14/2014 18:14	5944.00	91.39	359.32	4770.22	1512.44	-4.84	1512.45
9/15/2014 2:27	5975.00	91.02	358.93	4769.57	1543.43	-5.32	1543.44
9/15/2014 3:35	6035.00	91.08	359.03	4768.47	1603.41	-6.39	1603.42
9/15/2014 5:31	6096.00	91.14	359.06	4767.29	1664.39	-7.41	1664.41
9/15/2014 6:35	6155.00	91.39	359.12	4765.99	1723.37	-8.34	1723.39
9/15/2014 8:00	6215.00	91.63	358.56	4764.41	1783.34	-9.56	1783.36
9/15/2014 9:31	6276.00	91.14	359.09	4762.93	1844.31	-10.81	1844.34
9/15/2014 10:34	6337.00	91.39	358.48	4761.58	1905.28	-12.1	1905.31
9/15/2014 12:42	6398.00	91.01	358.60	4760.31	1966.24	-13.65	1966.29
9/15/2014 14:04	6458.00	91.35	358.86	4759.07	2026.22	-14.98	2026.27
9/15/2014 15:34	6518.00	90.37	358.98	4758.16	2086.2	-16.11	2086.25
9/15/2014 16:39	6578.00	89.60	359.39	4758.18	2146.19	-16.96	2146.25
9/15/2014 18:21	6638.00	90.25	359.49	4758.26	2206.19	-17.55	2206.25
9/15/2014 19:14	6698.00	91.29	359.05	4757.45	2266.18	-18.31	2266.24
9/15/2014 20:39	6759.00	91.38	357.99	4756.03	2327.14	-19.89	2327.21
9/15/2014 21:59	6819.00	91.17	357.67	4754.69	2387.08	-22.17	2387.16
9/15/2014 23:14	6878.00	91.14	357.37	4753.50	2446.01	-24.72	2446.11
9/16/2014 0:30	6938.00	90.71	357.18	4752.53	2505.94	-27.57	2506.05
9/16/2014 1:53	6998.00	90.28	357.35	4752.02	2565.87	-30.44	2565.99
9/16/2014 3:06	7058.00	89.91	358.10	4751.92	2625.82	-32.82	2625.95
9/16/2014 4:17	7118.00	90.12	358.52	4751.91	2685.79	-34.59	2685.94
9/16/2014 5:42	7177.00	89.45	358.91	4752.13	2744.78	-35.92	2744.93
9/16/2014 6:58	7238.00	88.92	359.07	4753.00	2805.76	-36.99	2805.92
9/16/2014 8:33	7297.00	88.64	358.41	4754.25	2864.73	-38.29	2864.89
9/16/2014 10:34	7358.00	89.11	358.96	4755.45	2925.7	-39.69	2925.87
9/16/2014 11:35	7418.00	89.35	359.27	4756.25	2985.69	-40.61	2985.86
9/16/2014 13:38	7478.00	89.75	359.77	4756.72	3045.69	-41.11	3045.86
9/16/2014 14:55	7539.00	88.39	1.02	4757.71	3106.68	-40.69	3106.85
9/16/2014 16:19	7601.00	89.20	1.64	4759.01	3168.64	-39.25	3168.81
9/16/2014 17:52	7663.00	88.77	1.55	4760.11	3230.61	-37.53	3230.76
9/16/2014 20:30	7725.00	88.09	1.23	4761.81	3292.57	-36.03	3292.71
9/16/2014 23:10	7786.00	88.33	1.27	4763.71	3353.52	-34.7	3353.66
9/17/2014 0:57	7848.00	89.01	1.61	4765.15	3415.49	-33.14	3415.61
9/17/2014 2:57	7911.00	89.54	1.86	4765.95	3478.45	-31.23	3478.57
9/17/2014 4:47	7973.00	89.72	1.51	4766.35	3540.43	-29.41	3540.53
9/17/2014 8:32	8036.00	89.45	1.27	4766.80	3603.4	-27.89	3603.5
9/17/2014 10:37	8099.00	89.29	1.26	4767.50	3666.39	-26.5	3666.47
9/17/2014 12:36	8163.00	88.89	1.56	4768.51	3730.36	-24.92	3730.44
9/17/2014 14:08	8226.00	88.98	1.28	4769.68	3793.33	-23.36	3793.4

9/17/2014 17:28	8294.00	89.26	1.28	4770.72	3861.3	-21.85	3861.36
9/17/2014 19:52	8353.00	89.54	0.01	4771.34	3920.29	-21.19	3920.35
9/17/2014 23:46	8447.00	89.85	0.04	4771.85	4014.29	-21.14	4014.35
9/18/2014 3:21	8541.00	89.44	359.51	4772.43	4108.29	-21.51	4108.35
9/18/2014 6:20	8636.00	88.86	358.58	4773.84	4203.27	-23.09	4203.33
9/18/2014 20:53	8730.00	89.01	358.28	4775.58	4297.21	-25.66	4297.29
9/18/2014 22:38	8824.00	89.97	359.03	4776.41	4391.18	-27.86	4391.27
9/18/2014 23:45	8918.00	90.28	358.89	4776.21	4485.17	-29.56	4485.26
9/19/2014 1:08	9012.00	90.49	358.60	4775.58	4579.14	-31.62	4579.24
9/19/2014 3:43	9107.00	90.74	358.74	4774.56	4674.11	-33.82	4674.22
9/19/2014 5:04	9202.00	90.52	0.13	4773.51	4769.1	-34.76	4769.21
9/19/2014 7:15	9296.00	89.78	0.38	4773.26	4863.1	-34.34	4863.21
9/19/2014 9:15	9391.00	89.66	0.70	4773.72	4958.09	-33.45	4958.2
9/19/2014 10:38	9485.00	90.18	1.12	4773.85	5052.08	-31.95	5052.18
9/19/2014 12:03	9536.00	90.28	1.17	4773.64	5103.07	-30.93	5103.16
9/19/2014 12:12	9593.00	90.28	1.17	4773.36	5160.06	-29.77	5160.14

DLS	Moter Yield
0.03	
0.07	
0.08	
0.2	
1.56	
0.74	
0.66	
0.26	
0.59	
0.21	
0.32	
0.14	
0.07	
0.61	
0.89	
0.24	
0.34	
0.31	
0.41	
0.52	
0.43	
0.29	
0.2	
0.93	
0.76	
0.15	
0.51	
0.59	
0.92	
0.36	
0.59	
3.08	
6.97	11.98
7.26	15.04
5.94	12.23
6.52	14.45
5.93	11.84

6.31	11.89
7.18	15.92
7.9	22.29
9.45	16.24
6.21	12.44
5.54	17.17
5.11	17.63
9.68	16.63
8.7	15
6.66	11.85
9.89	17.03
10.43	17
12.45	13.29
10.09	18.36
11.04	21.39
9.59	11.91
8.13	17.44
7.94	16.87
10.28	12.72
10	22.16
9.11	15.65
4.22	
1.11	
1.24	
3.05	
1.22	
1.26	16
2.61	16
12.05	16.96
18.68	18.67
17.08	16.55
9.65	
6.27	
4.75	
2.42	
2.41	
1.95	
2.65	
4.79	
3.18	
5.12	
3.63	
0.78	
1.65	
0.37	
2.05	
0.29	

1.19
1.66
5.3
0.79
3
0.9
0.61
2.09
1.07
1.73
0.19
0.12
0.43
1.03
1.19
1.07
0.64
0.71
1.65
1.46
1.09
1.9
1.74
0.64
0.5
0.78
0.77
1.4
0.78
1.33
0.9
1.21
1.18
0.66
1.06
3.03
1.64
0.71
1.21
0.41
1.23
0.92
0.64
0.58
0.24
0.78
0.47

0.41
2.2
0.33
0.71
1.15
0.36
1.29
0.36
0.38
0.3
1.48
0.83
0.37
0.71
0.21
0

Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 4187	AFE/WORK ORDER DC14013	DATE 9/13/2014
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 11/35S/9W	API 15-077-22076-01-00
LEASE & WELL # Cooper 2-35-9 1H		COUNTY Harper	STATE Kansas	MILEAGE 100
DIRECTIONS BYRON, OK- NORTH ON HWY 58 TO STATE LINE- 3/4 MILES NORTH- 3 MILES EAST THROUGH WHITE GATE				
Pumping Services	<input type="checkbox"/> Surface <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Long String <input type="checkbox"/> Plug Back <input type="checkbox"/> Squeeze <input type="checkbox"/> Acid <input type="checkbox"/> PTA <input type="checkbox"/> Other () H2S			
	Casing Size	Casing Weight	Thread	Tbng/DP Size
	7"	26#	LTC	
	Number and Type Units	Casing Depth	Hole Depth	Hole Size
	Pump Truck & Bulk Materials	5,271'	5,271'	8 3/4"
Remarks	Est. BHST	KOP	Depth-TVD	Mud Weight/Type
TAKE 7" TOP & BOTTOM PLUG		155	4,786'	9.2ppg WBM
Materials	LEAD	# of Sacks	Type	Additives
	33.11	130	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.1% C-37 - 0.2% X-Air
	H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk
	21.45	13.60	1.43	6.93
	TAIL	# of Sacks	Type	Additives
	19.07	90	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.2% X-Air
	H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk
	11.12	15.60	1.19	5.19
		# of Sacks	Type	Additives
		Weight PPG	Yield Ft3/Sk	Water Gal/Sk
	ACID	Type	Additives	
	Inhibitor	Surfactant	clay cont.	
Spacer or Flush	Quantity	Type	Additives	
	30 bbls	Gel Spacer	900#s Bentonite Gel	
Displace	Quantity	Type	Additives	
Other	Quantity	Type	Additives	
Crew Called	Cementer	Pumper	Bulky	Bulky
	Bryan Douglas	Dustin Odom	Flo Helkena	RJ Stonehocker
CEOL	7" 8RD SWAGE, SW, DW, BALE RACK			
Sales Items	Casing Size	Casing Weight	Thread	
	7"	26#	LTC	
	Guide Shoe	Float Shoe	Float Collar	Insert Float Valve
	Centralizers - Number	Size	Type	
	Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
Limit Clamps	Thread lock		Other	
Remarks	TAKE 7" TOP & BOTTOM PLUG			
Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call
0	713-758-0636			
Call Taken By				Date Ready
Robert Burris				Location Time
Crew Called				Yard Time
Bryan Douglas				

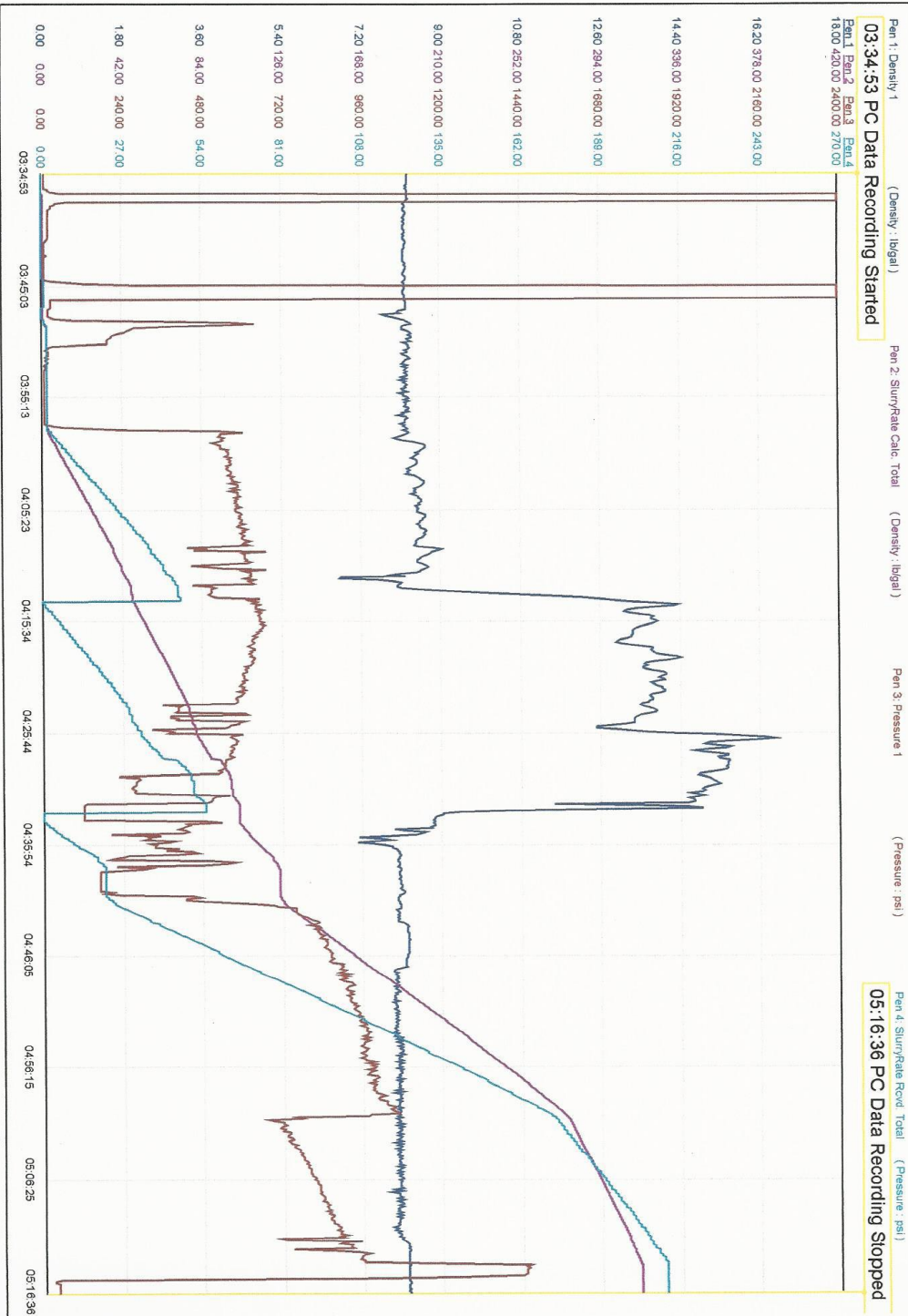
SERVICE COMPANY: O-Tex Pumping
 TICKET NO: Unit #303
 CUSTOMER NAME: Tapstone Energy
 WELL NAME: Cooper 2359 1H
 WELL LOCATION: 11/35S9W

DATE RECORDED: 09/13/2014
 JOB NO: Sok4187
 UNIT DESCRIPTION: 7" Intermediate
 UNIT NOTES: Fresh Water
 FILE NAME: Tapstone Energy_Cooper 2359 1H_14_09_13_#1.csv



03:34:53 PC Data Recording Started

05:16:36 PC Data Recording Stopped



JOB SUMMARY			PROJECT NUMBER SOK 4187	TICKET DATE 09/13/14
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP 0	
LEASE NAME Cooper	Well No. 2-35-9 1H	JOB TYPE Intermediate	EMPLOYEE NAME Bryan Douglas	

EMP NAME							
Bryan Douglas		10					
Dustin Odom							
Flo Helkena							
RJ Stonehocker							

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0

Bottom Hole Temp. _____ 155 Pressure

Retainer Depth _____ Total Depth _____ 5,271'

	Called Out	On Location	Job Started	Job Completed
Date	9/12/2014	9/13/2014	9/13/2014	9/13/2014
Time	2300	0100	0300	0600

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		26#	7"		Surface	
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole				8 1/2"	Surface	5,271'
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Gel	BBL	30
Spacer type	BBL		8.33
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/13	5.0	9/13	3.0	Intermediate
				1 BBL BACK
				FLOATS HELD
Total	5.0	Total	3.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX	5,000 PSI
AVG	500
Average Rates in BPM	
MAX	8 BPM
AVG	5
Cement Left in Pipe	
Feet	85
Reason	SHOE JOINT

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives			
1	130	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.1% C-37 - 0.2% X-Air	6.93	1.43	13.60
2	90	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.2% X-Air	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	30	Type: _____	Gel	Preflush: BBI	30.00
		MAXIMUM	5,000 PSI	Load & Bkdn: Gal - BBI	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	N/A
		Actual TOC	3,390	Calc. TOC:	3,390
Average		Bump Plus PSI:	1,400	Final Circ. PSI:	900
ISIP	5 Min.	10 Min	15 Min	Cement Slurry: BBI	52.2
				Total Volume BBI	278.84
				Type: _____	Gel Spacer
				Pad:Bbl -Gal	N/A
				Calc. Disp Bbl	197
				Actual Disp.	196.66
				Disp:Bbl	196.66

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____



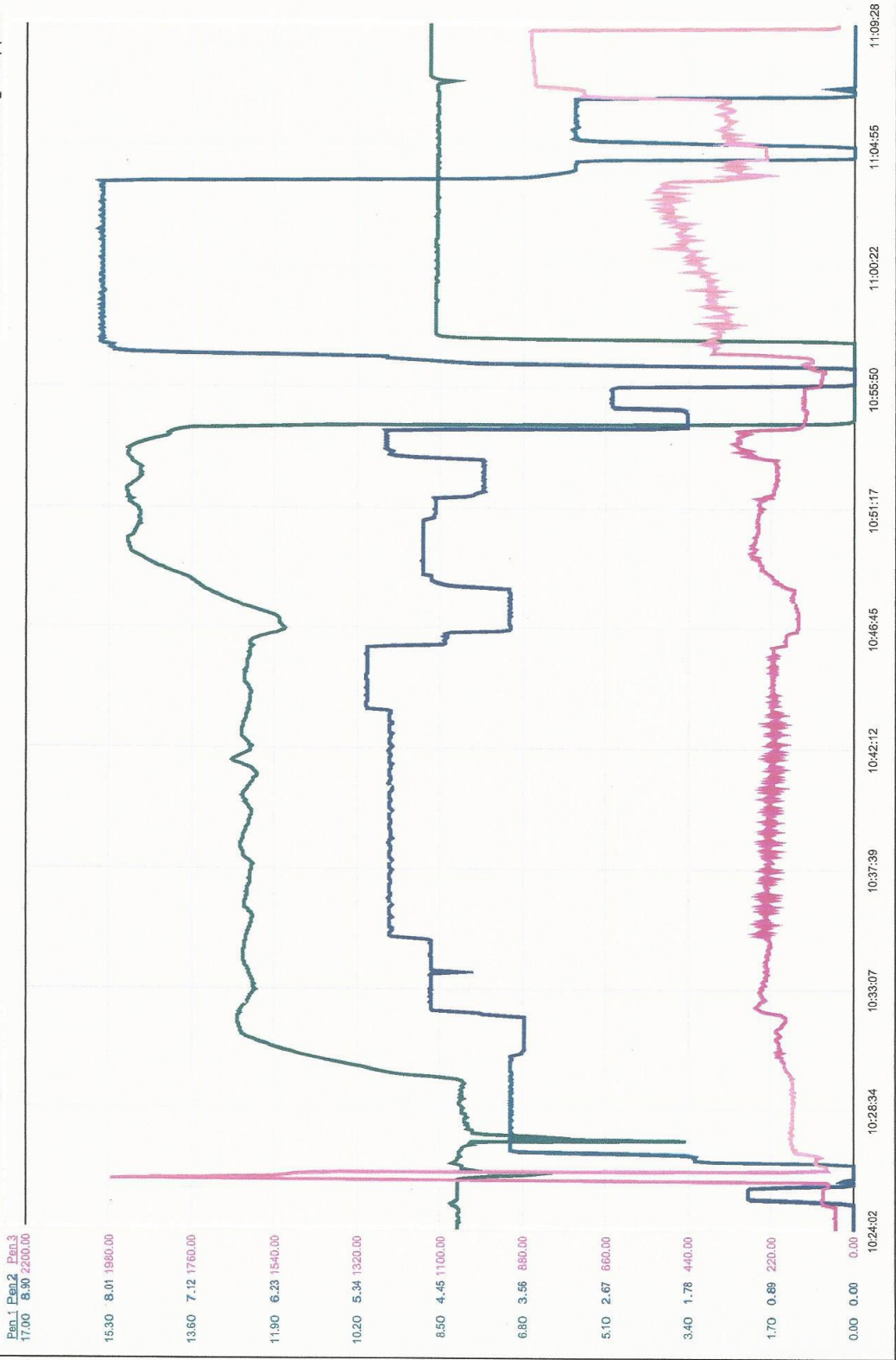
SERVICE COMPANY: ServiceCompany
TICKET NO: TicketNumber
CUSTOMER NAME: CustomerName
WELL NAME: WellName
WELL LOCATION: WellLocation

DATE RECORDED: 09/07/2014
JOB NO: JobNumber
UNIT DESCRIPTION: UnitDescription
UNIT NOTES: TreatmentNotes
FILE NAME: CustomerName_WellName_14_09_07_#2.csv

Pen 1: Density 1 (Density: lb/gal)
 Pen 2: Calc. SlurryRate (Density: lb/gal)
 Pen 3: Pressure 2 (Pressure: psi)

10:24:02 PC Data Recording Started

11:09:28 PC Data Recording Stopped



JOB SUMMARY			PROJECT NUMBER SOK 4168	TICKET DATE 09/07/14
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP Daniel	
LEASE NAME Cooper 2-35-9	Well No. 1H	JOB TYPE Surface	EMPLOYEE NAME Arthur Setzer	

EMP NAME	Arthur Setzer	0					
	Jared Green						
	Frank Reeves						
	0.00						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **800**

Date	Called Out 9/7/2014	On Location 9/7/2014	Job Started 9/7/2014	Job Completed 9/7/2014
Time	0200	0800	1025	1200

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float V ₂	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		36#	9"		Surface	863
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	800
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Water	BBL	10 8.33
Spacer type		BBL	
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/7	4.0	9/7	2.0	Surface
Total	4.0	Total	2.0	

Perpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX	1,500 PSI	AVG	400
Average Rates in BPM			
MAX	6 BPM	AVG	8
Cement Left in Pipe			
Feet	42	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	240	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - 0.2% X-Air	11.11	2.01	12.40
2	130	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM	1,500 PSI	Preflush: BBI	10.00
	Lost Returns-f	Actual TOC	NO/FULL	Load & Bkdn: Gal - BBI	N/A
Average	Bump Plug PSI:	Final Circ. PSI:	875	Excess /Return BBI	41
ISIP 5 Min.	10 Min	Cement Slurry BBI	115.0	Calc. TOC:	SURFACE
	15 Min	Total Volume BBI	188.00	Actual Disp.	63.00
				Disp:Bbl	63.00

CUSTOMER REPRESENTATIVE *D.S.C. Miller* SIGNATURE

Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 4168	AFE/WORK ORDER DC14013	DATE 9/7/2014
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 11/35S/9W	API 15-077-22076-01-00
LEASE & WELL # Cooper 2-35-9 1H		COUNTY Harper	STATE Kansas	MILEAGE 100
DIRECTIONS BYRON OK - NORTH ON HWY 58 TO STATE LINE - 3/4 MILES NORTH - 3 MILES EAST THROUGH WHITE GATE				

Pumping Services	<input checked="" type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Long String	<input type="checkbox"/> Plug Back		
	<input type="checkbox"/> Squeeze	<input type="checkbox"/> Acid	<input type="checkbox"/> PTA	<input type="checkbox"/> Other	() H2S	
	Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	
	9 5/8"	36#	LTC		YES	YES
	Top Plug	Bottom Plug	% Excess			
	YES	NO	100%			
Number and Type Units Pump Truck & Bulk Materials						
Remarks					Est. BHST	
					80°	
					Tubing Depth	
					Depth-TVD	
					Mud Weight/Type	

Materials	LEAD	# of Sacks	Type	Additives	
	85.92	240	O-TEX Lite Premium Plus 65/25	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - 0.2% X-Air	
	H2O TO MIX	Weight PPG	Yield Ft3/Sk		Water Gal/Sk
	63.49	12.40	2.01	11.11	
	TAIL	# of Sacks	Type	Additives	
	30.56	130	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	
	H2O TO MIX	Weight PPG	Yield Ft3/Sk		Water Gal/Sk
	19.56	14.80	1.32	6.32	
	TOP OUT	# of Sacks	Type	Additives	
	H2O TO MIX	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
	ACID	Type	Additives	TAKE 50 # Sugar	
	Inhibitor	Surfactant	clay cont.		
	Spacer or Flush	Quantity	Type	Additives	
		10 BBL	Fresh Water		
	Spacer or Flush	Quantity	Type	Additives	
	Other	Quantity	Type	Additives	

Crew Called	Cementer	Pumper	Bulky	Bulky	Bulky
	Arthur Setzer	Jared Green	Frank Reeves		

CEOL	
------	--

Sales Items	Casing Size	9 5/8"	Casing Weight	36#	Thread	LTC
	Guide Shoe		Float Shoe		Float Collar	Insert Float Valve
	Centralizers - Number		Size		Type	
	Wall Cleaners - Number		Type		MSC (DV Tool)	MSC Plug Set
	Limit Clamps		Thread lock		Other	
	Remarks					

Customer Rep.	Daniel	Cell Phone	0	Office Phone		Fax		Time of Call	
Call Taken By	Jared Sisco							Date Ready	Location Time
Crew Called	Arthur Setzer							Yard Time	

