



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1223004
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: _____

1223004

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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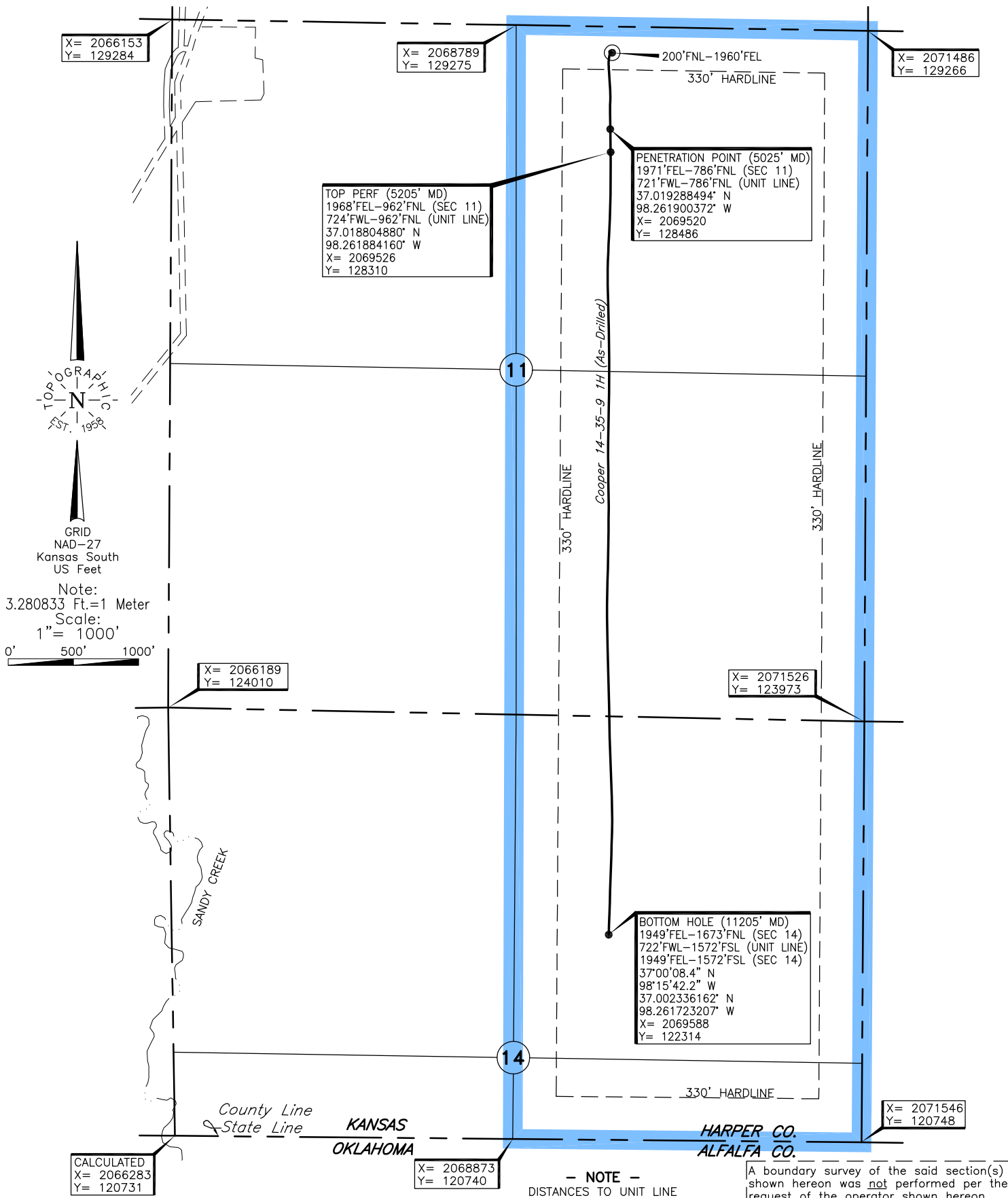
TOPOGRAPHIC LAND SURVEYORS

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-1960'FEL Section 11 Township 35S Range 9W P.M.



Operator: TAPSTONE ENERGY

Lease Name: COOPER 14-35-9

Well No.: 1H

ELEVATION:
1245' Gr. at Stake

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 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

DATUM: NAD-27
 LAT: 37°01'15.2" N
 LONG: 98°15'42.7" W
 LAT: 37.020898090° N
 LONG: 98.261870677° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2069528
 Y: 129072

230412 Date of Drawing: Sep. 08, 2014
 Invoice # 220485A 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
Cooper 14-35-9 1H
API#**

Vertical Section Azimuth @179.74Degrees

Date/Time	Depth	Inc	Azm	TVD	N/-S	E/-W	VS
8/17/2014 11:08	898.00	0.07	234.19	898.00	-0.32	-0.44	0.31
8/17/2014 12:10	1087.00	0.14	225.79	1087.00	-0.54	-0.69	0.54
8/17/2014 12:58	1274.00	0.54	271.72	1274.00	-0.67	-1.74	0.66
8/17/2014 14:12	1464.00	1.38	292.45	1463.97	0.23	-4.76	-0.25
8/17/2014 15:51	1653.00	1.35	289.26	1652.91	1.84	-8.98	-1.88
8/17/2014 17:10	1841.00	1.12	275.05	1840.87	2.73	-12.89	-2.79
8/17/2014 19:08	2030.00	1.03	293.04	2029.84	3.55	-16.28	-3.63
8/17/2014 20:30	2218.00	0.41	298.36	2217.82	4.53	-18.42	-4.62
8/17/2014 22:02	2408.00	0.52	313.40	2407.82	5.45	-19.65	-5.54
8/17/2014 23:33	2597.00	0.73	349.63	2596.81	7.23	-20.5	-7.32
8/18/2014 1:12	2785.00	0.66	43.57	2784.79	9.19	-19.97	-9.28
8/18/2014 2:36	2975.00	0.52	60.20	2974.78	10.41	-18.47	-10.49
8/18/2014 5:32	3162.00	0.31	310.64	3161.78	11.16	-18.12	-11.24
8/18/2014 6:49	3350.00	0.40	230.61	3349.78	11.07	-19.01	-11.15
8/18/2014 8:16	3539.00	0.14	103.26	3538.78	10.6	-19.3	-10.68
8/18/2014 9:47	3727.00	0.57	153.43	3726.77	9.71	-18.66	-9.79
8/18/2014 11:59	3915.00	0.90	95.43	3914.76	8.73	-16.77	-8.8
8/18/2014 12:49	3946.00	0.78	88.38	3945.76	8.71	-16.32	-8.78
8/18/2014 14:05	3978.00	0.73	105.60	3977.75	8.66	-15.9	-8.73
8/18/2014 15:19	4009.00	2.70	173.18	4008.74	7.88	-15.63	-7.95
8/18/2014 16:15	4040.00	6.39	185.75	4039.64	5.44	-15.71	-5.51
8/18/2014 17:05	4071.00	10.36	190.15	4070.30	0.98	-16.38	-1.05
8/18/2014 18:00	4103.00	12.67	190.91	4101.66	-5.3	-17.55	5.22
8/18/2014 18:55	4134.00	13.84	190.14	4131.83	-12.29	-18.84	12.2
8/18/2014 19:23	4165.00	14.83	189.99	4161.86	-19.85	-20.19	19.76
8/18/2014 20:26	4197.00	15.35	190.04	4192.76	-28.05	-21.63	27.95
8/18/2014 21:30	4228.00	16.51	188.97	4222.57	-36.44	-23.04	36.34
8/18/2014 22:11	4260.00	18.92	185.17	4253.05	-46.1	-24.21	45.99
8/18/2014 23:14	4291.00	20.26	184.46	4282.26	-56.46	-25.08	56.34
8/19/2014 0:33	4322.00	21.37	182.93	4311.23	-67.45	-25.79	67.33
8/19/2014 1:42	4354.00	23.14	180.34	4340.85	-79.56	-26.13	79.45
8/19/2014 3:50	4385.00	25.72	178.28	4369.07	-92.38	-25.96	92.26
8/19/2014 5:24	4416.00	28.37	176.72	4396.68	-106.46	-25.34	106.35
8/19/2014 6:27	4447.00	31.43	175.51	4423.55	-121.88	-24.28	121.77
8/19/2014 8:27	4479.00	34.01	175.17	4450.47	-139.12	-22.88	139.01
8/19/2014 9:57	4510.00	36.36	174.98	4475.80	-156.91	-21.34	156.81
8/19/2014 11:24	4541.00	39.45	175.07	4500.26	-175.88	-19.69	175.79

8/19/2014 13:26	4573.00	42.75	174.67	4524.37	-196.83	-17.81	196.75
8/19/2014 15:18	4605.00	46.11	174.99	4547.22	-219.13	-15.79	219.06
8/19/2014 16:45	4636.00	49.79	175.65	4567.98	-242.07	-13.91	242.01
8/19/2014 18:07	4667.00	53.22	177.21	4587.27	-266.29	-12.41	266.23
8/19/2014 19:41	4698.00	57.13	178.15	4604.97	-291.71	-11.39	291.65
8/19/2014 20:30	4730.00	60.43	178.79	4621.56	-319.06	-10.66	319.01
8/19/2014 21:02	4761.00	62.85	179.75	4636.28	-346.33	-10.31	346.28
8/19/2014 22:06	4791.00	64.01	180.03	4649.70	-373.17	-10.26	373.12
8/19/2014 22:40	4822.00	64.75	179.82	4663.10	-401.12	-10.22	401.07
8/19/2014 23:12	4854.00	64.57	179.26	4676.80	-430.04	-9.99	429.99
8/19/2014 23:39	4885.00	64.76	179.51	4690.06	-458.05	-9.69	458.01
8/20/2014 0:11	4917.00	64.75	179.08	4703.71	-487	-9.33	486.95
8/20/2014 1:26	4949.00	64.85	178.85	4717.34	-515.94	-8.81	515.9
8/20/2014 3:04	4980.00	65.79	178.74	4730.28	-544.11	-8.21	544.06
8/20/2014 5:09	5012.00	70.00	178.63	4742.32	-573.74	-7.53	573.7
8/20/2014 6:41	5043.00	73.94	178.06	4751.91	-603.2	-6.68	603.16
8/20/2014 9:45	5073.00	76.98	177.94	4759.44	-632.22	-5.66	632.19
8/20/2014 11:25	5104.00	78.63	178.20	4765.99	-662.5	-4.64	662.47
8/20/2014 13:12	5136.00	80.28	178.27	4771.85	-693.94	-3.67	693.92
8/20/2014 15:24	5147.00	80.76	178.70	4773.66	-704.79	-3.38	704.77
8/22/2014 12:17	5248.00	82.73	178.52	4788.17	-804.71	-0.96	804.7
8/22/2014 13:24	5280.00	84.23	179.16	4791.80	-836.49	-0.32	836.48
8/22/2014 14:36	5311.00	85.99	179.55	4794.44	-867.38	0.03	867.37
8/22/2014 15:22	5343.00	87.75	179.66	4796.19	-899.33	0.25	899.32
8/22/2014 15:52	5374.00	88.95	179.22	4797.08	-930.31	0.56	930.31
8/23/2014 1:17	5405.00	89.42	179.39	4797.52	-961.31	0.93	961.3
8/22/2014 17:28	5437.00	89.04	180.00	4797.95	-993.3	1.1	993.3
8/22/2014 18:06	5469.00	89.38	179.53	4798.39	-1025.3	1.24	1025.3
8/22/2014 19:01	5500.00	89.20	179.87	4798.77	-1056.3	1.4	1056.29
8/22/2014 19:33	5532.00	88.95	180.08	4799.29	-1088.29	1.41	1088.29
8/22/2014 21:25	5595.00	88.95	180.63	4800.44	-1151.28	1.02	1151.27
8/23/2014 1:16	5658.00	88.67	181.05	4801.75	-1214.26	0.09	1214.25
8/23/2014 1:16	5721.00	89.88	182.00	4802.54	-1277.23	-1.58	1277.21
8/23/2014 2:36	5784.00	90.46	182.50	4802.36	-1340.18	-4.06	1340.15
8/23/2014 3:26	5847.00	90.83	182.09	4801.65	-1403.13	-6.58	1403.08
8/23/2014 4:33	5910.00	90.25	181.75	4801.05	-1466.09	-8.69	1466.03
8/23/2014 5:58	5973.00	89.66	181.48	4801.10	-1529.06	-10.47	1529
8/23/2014 6:55	6036.00	89.51	181.04	4801.56	-1592.05	-11.85	1591.98
8/23/2014 8:06	6099.00	89.17	180.62	4802.29	-1655.04	-12.76	1654.96
8/23/2014 9:44	6162.00	89.04	178.87	4803.27	-1718.02	-12.48	1717.95
8/23/2014 11:15	6225.00	89.26	178.29	4804.21	-1781	-10.92	1780.93
8/23/2014 12:35	6320.00	89.63	178.40	4805.13	-1875.95	-8.18	1875.90
8/23/2014 14:37	6414.00	89.72	177.48	4805.66	-1969.89	-4.8	1969.85
8/23/2014 16:20	6509.00	90.06	177.85	4805.84	-2064.81	-0.92	2064.79
8/23/2014 18:00	6603.00	90.12	177.54	4805.68	-2158.73	2.86	2158.73
8/23/2014 19:28	6698.00	89.45	178.53	4806.04	-2253.68	6.12	2253.68
8/23/2014 21:21	6792.00	89.82	179.07	4806.65	-2347.65	8.09	2347.67

8/23/2014 23:13	6887.00	89.85	180.09	4806.93	-2442.65	8.79	2442.66
8/24/2014 0:42	6981.00	89.88	179.84	4807.15	-2536.65	8.84	2536.66
8/24/2014 2:09	7075.00	89.60	179.45	4807.58	-2630.65	9.43	2630.66
8/24/2014 4:05	7170.00	89.26	180.12	4808.52	-2725.64	9.77	2725.66
8/24/2014 5:37	7265.00	89.57	180.50	4809.49	-2820.63	9.26	2820.65
8/24/2014 7:23	7359.00	89.78	181.07	4810.02	-2914.62	7.97	2914.63
8/24/2014 9:53	7454.00	89.17	179.35	4810.89	-3009.61	7.63	3009.62
8/24/2014 10:56	7548.00	89.48	178.27	4812.01	-3103.59	9.58	3103.6
8/24/2014 13:15	7643.00	90.03	179.13	4812.42	-3198.56	11.73	3198.58
8/24/2014 14:32	7737.00	88.55	178.84	4813.58	-3292.53	13.4	3292.56
8/24/2014 18:19	7831.00	89.14	178.14	4815.47	-3386.48	15.88	3386.52
8/24/2014 19:22	7926.00	90.22	179.10	4816.01	-3481.45	18.17	3481.5
8/24/2014 20:31	8021.00	90.22	179.77	4815.65	-3576.44	19.1	3576.49
8/24/2014 21:44	8115.00	89.35	179.83	4816.00	-3670.44	19.43	3670.49
8/25/2014 9:45	8210.00	88.92	179.77	4817.43	-3765.43	19.76	3765.48
8/25/2014 11:38	8305.00	90.74	180.64	4817.71	-3860.42	19.42	3860.47
8/25/2014 13:58	8399.00	91.11	181.19	4816.19	-3954.4	17.92	3954.44
8/25/2014 15:59	8491.00	90.06	180.96	4815.25	-4046.38	16.18	4046.41
8/25/2014 18:17	8584.00	88.40	180.39	4816.50	-4139.36	15.09	4139.38
8/25/2014 20:46	8677.00	88.77	179.40	4818.80	-4232.33	15.26	4232.35
8/26/2014 1:05	8769.00	89.08	178.95	4820.54	-4324.3	16.58	4324.33
8/26/2014 4:01	8862.00	90.37	178.55	4820.98	-4417.28	18.62	4417.32
8/26/2014 7:40	8955.00	89.29	177.95	4821.26	-4510.23	21.46	4510.28
8/26/2014 9:52	9048.00	89.85	177.33	4821.96	-4603.15	25.29	4603.22
8/26/2014 11:52	9141.00	91.14	177.90	4821.16	-4696.06	29.16	4696.15
8/26/2014 13:26	9233.00	90.74	177.99	4819.65	-4787.99	32.45	4788.09
8/26/2014 15:25	9326.00	90.89	177.66	4818.33	-4880.91	35.98	4881.03
8/26/2014 17:41	9416.00	90.40	178.46	4817.31	-4970.86	39.02	4970.98
8/26/2014 18:57	9505.00	89.20	178.25	4817.63	-5059.82	41.58	5059.95
8/26/2014 20:14	9598.00	89.38	178.24	4818.78	-5152.77	44.43	5152.91
8/26/2014 21:51	9691.00	88.95	177.54	4820.13	-5245.69	47.86	5245.86
8/26/2014 23:16	9783.00	88.89	177.34	4821.86	-5337.58	51.98	5337.76
8/27/2014 1:51	9876.00	88.98	176.96	4823.59	-5430.45	56.6	5430.65
8/27/2014 4:44	9969.00	89.20	176.91	4825.06	-5523.31	61.57	5523.53
8/27/2014 7:53	10062.00	88.67	177.24	4826.79	-5616.17	66.31	5616.41
8/27/2014 12:39	10151.00	89.05	177.48	4828.56	-5705.06	70.41	5705.32
8/27/2014 14:21	10241.00	88.49	178.39	4830.49	-5794.98	73.65	5795.25
8/27/2014 18:55	10331.00	88.27	178.72	4833.03	-5884.91	75.92	5885.2
8/28/2014 1:49	10421.00	87.88	180.86	4836.06	-5974.86	76.24	5975.14
8/28/2014 6:08	10510.00	88.37	181.47	4838.97	-6063.79	74.43	6064.06
8/29/2014 19:26	10599.00	88.15	180.99	4841.68	-6152.73	72.53	6152.99
8/29/2014 23:41	10689.00	88.89	181.52	4844.00	-6242.67	70.55	6242.93
8/30/2014 4:04	10779.00	89.72	181.00	4845.09	-6332.65	68.57	6332.89
8/30/2014 5:51	10869.00	89.97	180.89	4845.33	-6422.63	67.08	6422.87
8/30/2014 8:11	10959.00	89.85	180.87	4845.47	-6512.62	65.7	6512.85
8/30/2014 11:46	11048.00	88.18	180.98	4847.00	-6601.59	64.26	6601.82
8/30/2014 13:07	11132.00	89.11	181.60	4848.99	-6685.55	62.37	6685.76

8/30/2014 13:22	11205.00	89.11	181.60	4850.13	-6758.51	60.33	6758.71
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DLS	Moter Yield
0.01	0
0.04	0
0.25	0
0.47	0
0.04	0
0.2	0
0.18	0
0.33	0
0.09	0
0.23	0
0.34	0
0.12	0
0.37	0
0.25	0
0.26	0
0.26	0
0.41	0
0.51	0
0.72	0
8.11	14.78
12.25	14.07
12.96	12.96
7.23	10.05
3.83	9.1
3.19	8.2
1.61	0
3.87	9.3
8.33	17
4.41	9.07
4	16
6.32	12.64
8.74	10.32
8.87	12.64
10.05	12.99
8.08	10.1
7.58	14.7
9.98	12.87

10.33	12.26
10.53	10.52
11.99	14.28
11.75	12.25
12.85	15.64
10.43	0
8.29	12.1
3.96	0
2.45	0
1.69	0
0.95	0
1.22	0
0.72	0
3.07	0
13.15	22
12.83	16.57
10.15	13.22
5.36	41.7
5.17	15.1
5.84	12.85
1.96	0
5.12	0
5.79	0
5.52	0
4.13	0
1.61	0
2.23	0
1.81	0
1.26	0
1	0
0.88	0
0.8	0
2.44	0
1.22	0
0.88	0
1.08	0
1.02	0
0.75	0
0.85	0
2.78	0
0.98	0
0.40	0
0.98	0
0.53	0
0.34	0
1.27	0
0.7	0

1.07	0
0.27	0
0.5	0
0.79	0
0.51	0
0.65	0
1.93	0
1.19	0
1.08	0
1.6	0
0.97	0
1.52	0
0.7	0
0.92	0
0.46	0
2.12	0
0.71	0
1.17	0
1.89	0
1.14	0
0.59	0
1.46	0
1.33	0
0.89	0
1.52	0
0.45	0
0.39	0
1.04	0
1.37	0
0.2	0
0.88	0
0.23	0
0.41	0
0.24	0
0.67	0
0.5	0
1.19	0
0.44	0
2.42	0
0.88	0
0.59	0
1.01	0
1.09	0
0.3	0
0.14	0
1.87	0
1.33	0

0.01

0

JOB SUMMARY			PROJECT NUMBER SOK 4089	TICKET DATE 08/21/14
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP Dale James	
LEASE NAME Cooper 14-35-9	Well No. 1H	JOB TYPE Intermediate	EMPLOYEE NAME John Hall	

EMP NAME John Hall	Dustin Odom				
Louis Arney					
Flo Helkena					
James Derry					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5176**

Date	Called Out	On Location	Job Started	Job Completed
	8/21/2014	8/21/2014	8/21/2014	8/21/2014
Time	500am	800am	1200pm	200pm

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	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	Max. Allow
Casing		26#	7"		Surface	5,176	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,209	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials				
Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	GEL	BBL.	30	8.40
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	
8/21		8/21		Intermediate
Total	0.0	Total	0.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

MAX 5,000 PSI		AVG. 500 psi	
MAX 8 BPM		AVG 5 bpm	
Feet 80		Reason SHOE JOINT	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	130	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.1% C-37 - 0.4% C-41P	6.93	1.43	13.60
2	90	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns- NO/FULL	Actual TOC 3,375	Bump Plug PSI: 850
Average ISIP 5 Min.	_____	10 Min _____	15 Min 15 Min	Preflush: BBI 30.00	Load & Bkdn: Gal - BBI N/A
				Excess /Return BBI N/A	Calc. Disp Bbl 196
				Calc. TOC: 3,375	Actual Disp. 196.30
				Final Circ. PSI: 1,300	Disp:Bbl 196.30
				Cement Slurry BBI 52.1	
				Total Volume BBI 278.40	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 4089	AFE/WORK ORDER DC140114	DATE 8/20/2014	
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 14/35S/9W	API 15-077-2077-01-00	
LEASE & WELL # Cooper 14-35-9 1H		COUNTY Harper	STATE Kansas	MILEAGE 100	
DIRECTIONS BYRON OK - NORTH ON HWY 58 TO STATE LINE- NORTH ¾ MILES - 2 MILES EAST THROUGH WHITE GATE - NORTH ON LEASE RD					
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			% Excess	
	Pump Truck & Bulk Materials			40%	
Remarks		Est. BHST	KOP	Depth-TVD	
		155		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 - 0.4% C-41P	
	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 - 0.4% C-41P	
	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	
				Bulky	
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	
Dale James	0				
Call Taken By				Date Ready	
Jared Sisco				Location Time	
Crew Called				Yard Time	
				0	



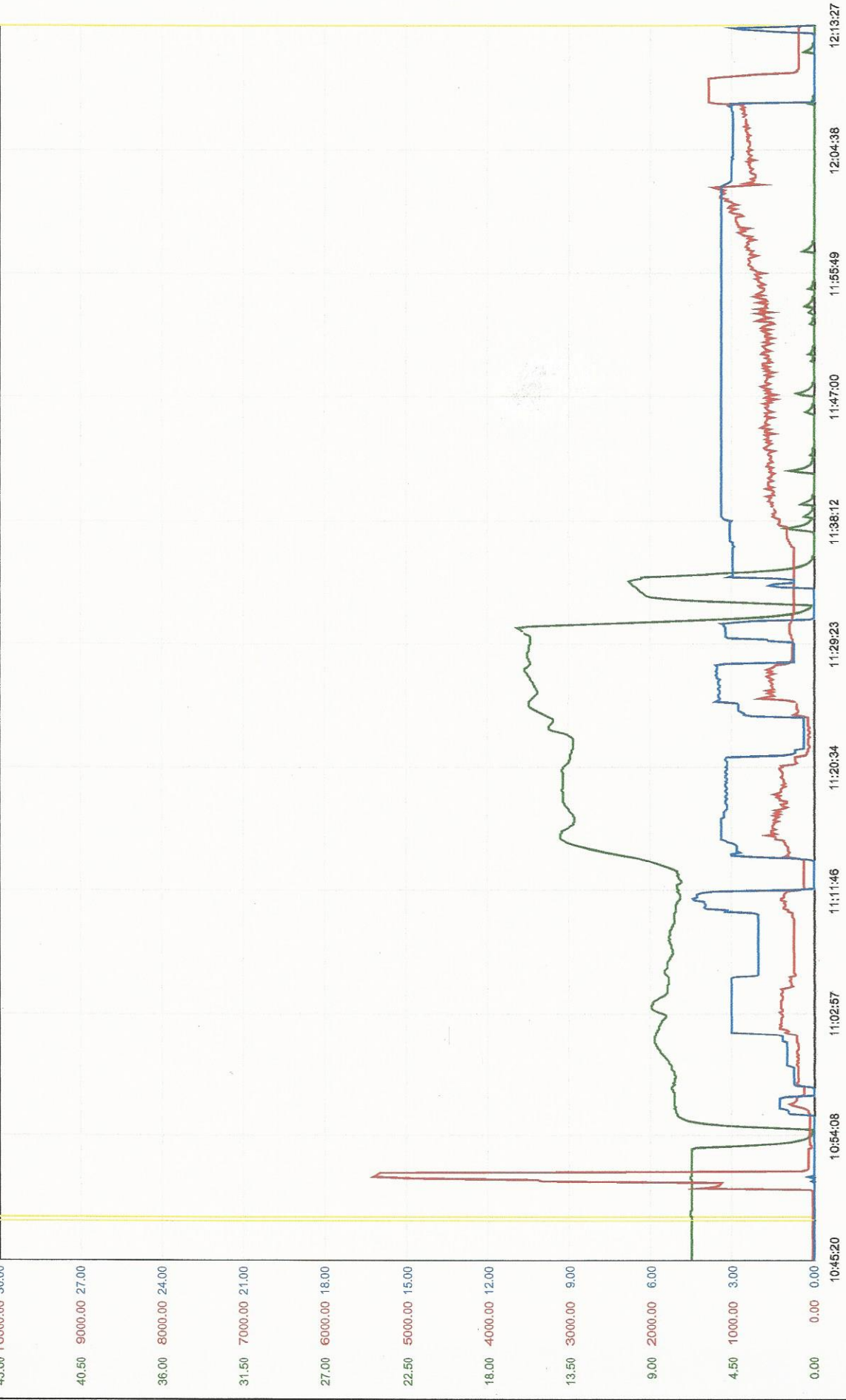
SERVICE COMPANY: O-Tex
TICKET NO: DC140114
CUSTOMER NAME: Tapstone Energy
WELL NAME: Cooper 14359 1H
WELL LOCATION: Harper CO. KS
DATE RECORDED: 08/21/2014
JOB NO: SOK 4089
UNIT DESCRIPTION: Unit # 303
UNIT NOTES: 7" Intermediate
FILE NAME: Tapstone Energy_Cooper 14359 1H_14_08_21_#1.csv

Pen 1: Density 1 (Density : lb/gal) Pen 2: Pressure 1 (Pressure : psi) Pen 3: Flowrate 1 (Pressure : psi)

10:48:01 PC Data Recording Paused

10:48:05 PC Data Recording Re-Started

Pen 1 Pen 2 Pen 3
45.00 10000.00 30.00



SERVICE ORDER CONTRACT

Customer Name Tapstone Energy Ticket Number SOK 4089

Lease & Well Number Cooper 14-35-9 IH Date 8/21/2014

As consideration, The Above Named customer Agrees:

O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-TEX pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-TEX pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-TEX makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, O-TEX personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-TEX gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account. Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account. Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent:

JOB SUMMARY			PROJECT NUMBER SOK 4069	TICKET DATE 08/16/14
COUNTY Harper	STATE Kansas	COMPANY Tapstone Energy	CUSTOMER REP Dale James	
LEASE NAME Cooper	Well No. 14-35-9 1H	JOB TYPE Surface	EMPLOYEE NAME Arthur Setzer	

EMP NAME	0				
Arthur Setzer					
Jared Green					
Frank Reeves					
Ronald Derrie					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **155** Pressure _____
 Retainer Depth _____ Total Depth **800**

Date	Called Out	On Location	Job Started	Job Completed
	8/16/2014	8/16/2014	8/16/2014	8/16/2014
Time	1030	1300	1645	1900

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Valve	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		36.0	9 5/8		Surface	834
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4		Surface	800
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	Lb/Gal
Spacer type	Fresh Water	20	8.33
Spacer type	Caustic	10	8.40
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	
8/16	6.0	8/16	2.0	Surface
Total	6.0	Total	2.0	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

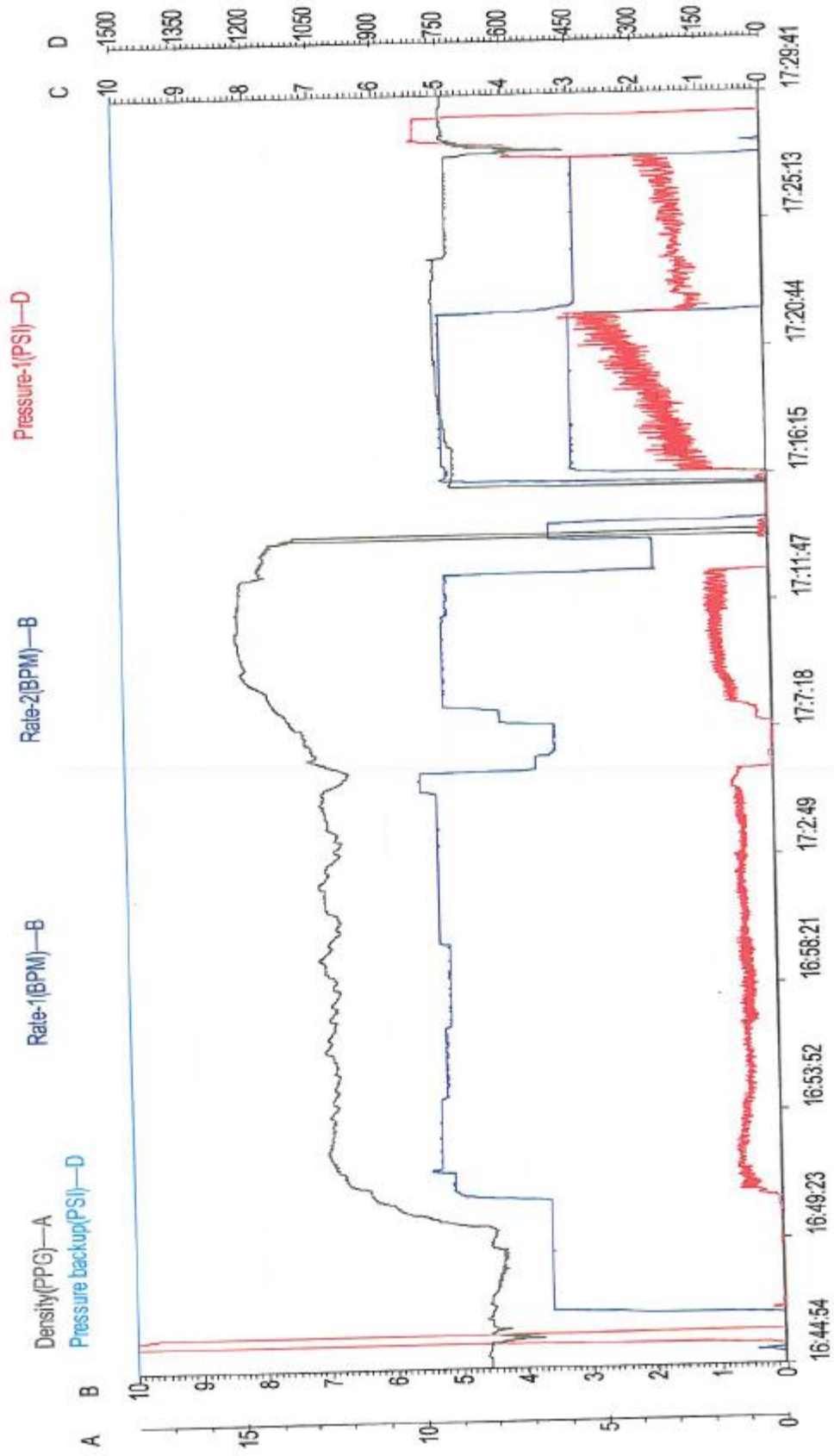
Pressures	
MAX 5,000 PSI	AVG. 1500
Average Rates in BPM	
MAX 8 BPM	AVG 8
Cement Left in Pipe	
Feet 45	Reason SHOE JOINT

Cement Data			W/Rq.	Yield	Lbs/Gal	
Stage	Sacks	Cement	Additives			
1	240	Class C(O-Tex Lite Ceme	6% gel- 2% Calcium Chloride- .4% C-41P- .25% pps Celloflake	11.11	2.01	12.40
2	130	Premium Class C	2% calcium Chloride- .25 pps Celloflake	6.32	1.32	14.80
3	0	0		0.00	0.00	0.00

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI 20.00	Type: Fresh Water
	MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI N/A	Pad: Bbl -Gal N/A
	Lost Returns- NO/FULL	Excess /Return BBI N/A	Calc. Disp Bbl 61
	Actual TOC surface	Calc. TOC: surface	Actual Disp. 61.00
Average	Bump Plug PSI: 800	Final Circ. PSI: 290	Disp: Bbl 61.00
5 Min.	10 Min 15 Min	Cement Slurr BBI 116.0	
		Total Volume BBI 197.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE 

Average Density: 11.194 ppg



Chart

Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 4069	AFE/WORK ORDER DC 14010	DATE 8/16/2014							
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 14/35S/9W	API 15-077-22077-01-00							
LEASE & WELL # Cooper 14-35-9 1H		COUNTY Harper	STATE Kansas	MILEAGE 100							
DIRECTIONS BYRON, OK- NORTH ON HWY 58 TO STATE LINE-3/4 MILES NORTH- 2.1 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"/> Other		() H2S
	<input type="checkbox"/> Squeeze		<input type="checkbox"/> Acid		<input type="checkbox"/> PTA						
	Casing Size	Casing Weight	Thread	Thrg/DP Size	Thread	Plug Cont.	Swage	Top Plug	Bottom Plug	% Excess	
	9 5/8	36.00	8RD			YES	YES	YES	NO		150%
	Number and Type Units								Casing Depth	Hole Depth	Hole Size
Pump Truck & Bulk Materials								800'	800'	12 1/4	
Remarks								Est. BHST	KOP	Depth-TVD	Mud Weight/Type
								155°			9.2ppg WBM
Materials	LEAD	# of Sacks	Type	Additives							
	85.92	240	Premium Class C (O-Tex Lite Cement 65/35.6)	6% gel- 2% Calcium Chloride- .4% C-41P- .25% pps Celloflake							
	H2O TO MIX	Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk							
	63.49	12.40	2.01	11.11							
	TAIL	# of Sacks	Type	Additives							
	30.56	130	Premium Class C	2% calcium Chloride- .25 pps Celloflake							
	H2O TO MIX	Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk							
	19.56	14.80	1.32	6.32							
		# of Sacks	Type								
		Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk							
	ACID	Type	Additives								
	Inhibitor	Surfactant	clay cont.								
	Spacer or Flush	Quantity	Type	Additives							
		10	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	Ronald Derrie							
Special Reques											
Sales Items	Casing Size	9 5/8	Casing Weight	36#	Thread	8rd					
	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						
	Circulating Iron	9 5/8 Swedge Bale Rack SW-DW									
Customer Rep.	Dale James	Cell Phone	713-758-0636	Office Phone		Fax		Time of Call			
Call Taken By	Robert Burris							Date Ready	Time Ready		
Crew Called	Arthur Setzer							Time			