



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1214657
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: _____

1214657

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> _____	PRODUCTION INTERVAL: _____ _____
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JOB SUMMARY

PROJECT NUMBER SOK 3891	TICKET DATE 06/28/14
CUSTOMER REP Dale James	
EMPLOYEE NAME ROBERT BURRIS	

COUNTY Harper	STATE Kansas	COMPANY Tapstone Energy
LEASE NAME Chain Land 3509		
Well No. 1-3H	JOB TYPE Surface	

EMP NAME Robert Burris	ERIC PARSONS		
CODY BONITZ			
RJ STONEHOCKER			
Randall Irvin			

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
	6/28/2014	6/28/2014	6/28/2014	6/28/2014
Time	04:00	06:00	09:52	11:00

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	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	Max. Allow
Casing		36#	9 5/8"		Surface	809	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	800	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	Fresh 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	

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/28	4.0	6/28	0.7	Surface
Total	4.0	Total	0.7	

Pressures

MAX 1500 PSI	AVG 300 PSI
MAX 8 BPM	AVG 5.5 BPM
Cement Left in Pipe	
Feet 46 FT	Reason SHOE JOINT

Cement Data

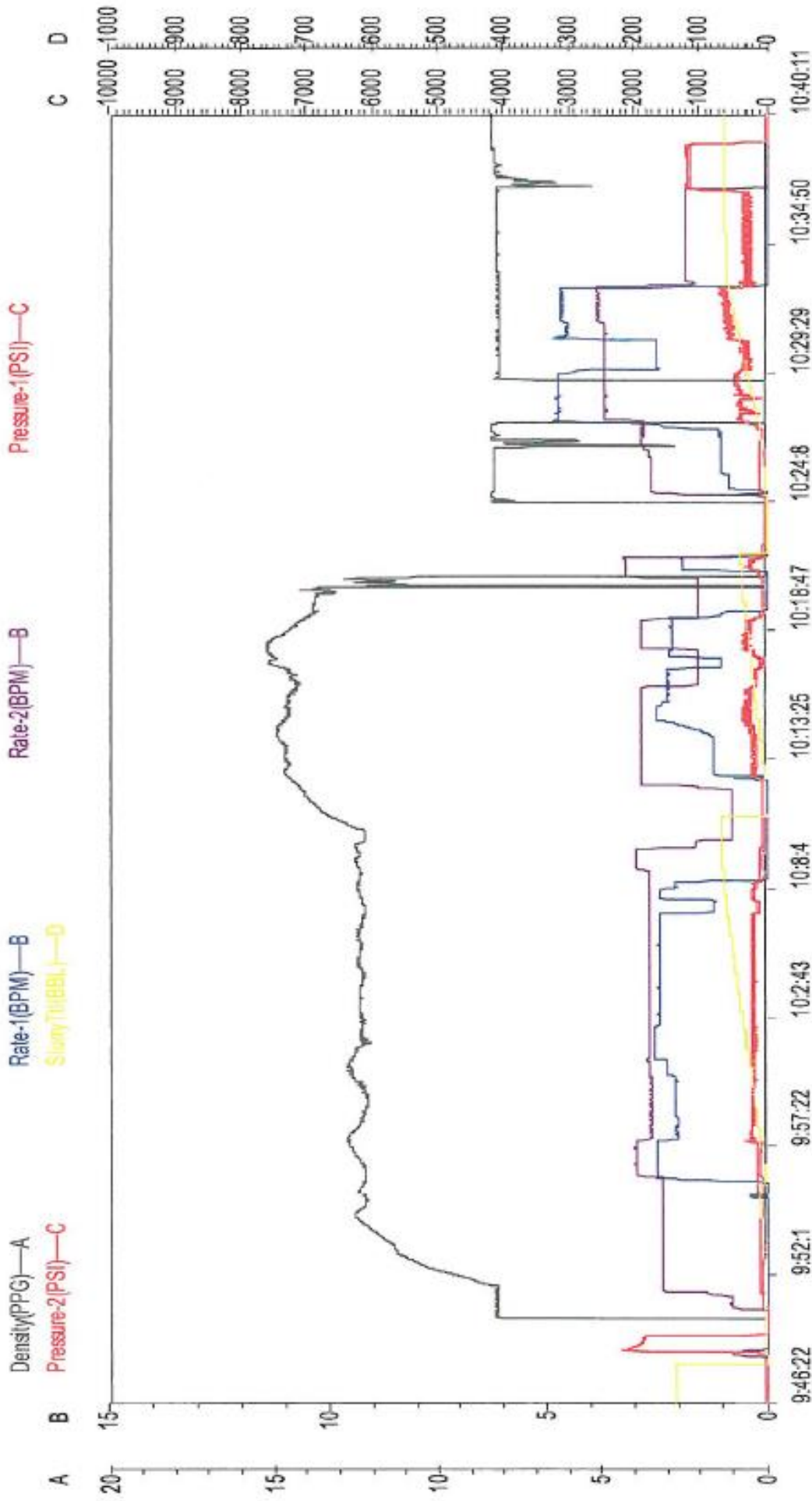
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	Tex Lito Premium Plus 65	6% Gel - 2% Calcium Chloride - 1/4 pps Celloflake - 0.4% C-41P	11.11	2.01	12.40
2	140	Premium Plus (Class C)	2% Calcium Chloride - 1/4 pps Celloflake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary

10 Breakdown	Type: _____	Preflush: BBI	10.00	Type: Fresh Water
	MAXIMUM 1500 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
	Lost Returns- N/A	Excess /Return BBI	42	Calc.Disp Bbl 59
	Actual TOC SURFACE	Calc. TOC:	SURFACE	Actual Disp. 57.50
Average	Bump Plug PSI: 1,000	Final Circ. PSI:	375	Disp:Bbl _____
ICP <u>5 Min.</u>	<u>10 Min.</u>	Cement Slurry BBI	105.0	
	<u>15 Min.</u>	Total Volume BBI	172.50	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Date:6/28/2014 Well Name:CHAIN LAND 3509 1-3H Location:HARPER CO, KS. Country: Operator: Supervisor:ROBERT BURRIS Type of Job:9 5/8" SURFACE CSG
 CEMENT Contact Address:TAPSTONE ENERGY Comment:UNIT #303



Chart

Job Data Sheet



COMPANY Tapstone Energy		PROJECT NUMBER SOK 3891	AFEWK ORDER 0	DATE 6/28/2014
CONTRACTOR Unit #303		Owner Same	LEGAL DESCRIPTION 1/35S/9W	API 15-077-21876-01-01
LEASE & WELL # Chain Land 3509 1-3H		COUNTY Harper	STATE Kansas	MILEAGE 100
DIRECTIONS BYRDON ON NORTH ON HWY 50 TO STATE LINE - 3/4 MILES NORTH - 2 MILES EAST THROUGH WHITE GATE				
Pumping Services	() H2S			
	Casing Size 9 5/8"	Casing Weight 36#	Thread 8rd	Plug Cont. YES
	Swage YES		Top Plug YES	Bottom Plug NO
	Number and Type Units Pump Truck & Bulk Materials		Casing Depth 800'	Hole Depth 800'
	Remarks		Hole Size 12 1/4"	% Excess 125%
		Est. BHST 155°	KOP	Depth-TVD
			Mud Weight/Type 9.2ppg WBM	
Materials	LEAD	# of Sacks 200	Type O-Tex Lite Premium Plus 6635	Additives
	71.60			6% Gel - 2% Calcium Chloride - 1/4 pps Celloflake - 0.4% C-41P
	H2O TO MIX	Weight PPG 12.40	Yield FT3/Sk 2.01	
	52.90			
	TAIL	# of Sacks 140	Type Premium Plus (Class C)	Additives
	32.91			2% Calcium Chloride - 1/4 pps Celloflake
	H2O TO MIX	Weight PPG 14.80	Yield FT3/Sk 1.32	
	21.07			
		# of Sacks	Type	Additives
		Weight PPG	Yield FT3/Sk	Water Gal/Sk
	ACID	Type	Additives	
	Inhibitor	Surfactant	clay cont.	
			TAKE 50#s SUGAR	
	Spacer or Flush 10 bbls	Type Fresh Water	Additives	
	Spacer or Flush	Type	Additives	
	Other	Type	Additives	
Crew Called	Cementer	Pumper	Bulky	Bulky
	Robert Burris	CODY BONITZ	RJ STONEHOCKER	Randall Irvin
Special Request			Bulky	ERIC PARSONS
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	
	Circulating Iron	9 5/8" SWAGE, BALE RACK, SW, DW		
Customer Rep. Dale James	Cell Phone 0	Office Phone	Fax	Time of Call
Call Taken By Jared Sisco				Date Ready
Crew Called ROBERT BURRIS				Time Ready
				Time

JOB SUMMARY			PROJECT NUMBER SOK 3908	TICKET DATE 07/05/14
COUNTY Harper	State Kansas	COMPANY Tapstone Energy	CUSTOMER REP Daniel	
LEASE NAME Chain Land 3509	Well No. 1-3H	JOB TYPE Intermediate	EMPLOYEE NAME Arthur Setzer	

EMP NAME	Arthur Setzer	0					
	Jared Green						
	Don Brown						
	Frank Reeves						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5279**

Date	Called Out 7/4/2014	On Location 7/5/2014	Job Started 7/5/2014	Job Completed 7/5/2014
Time	2200	0600	1400	1600

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		26#	7"		Surface	5,360
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 1/2"		Surface	5,279
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	Fresh Water BBL.	20	8.33
Spacer type	Caustic BBL.	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	
7/5	10.0	7/5	2.0	Intermediate
Total	10.0	Total	2.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX 5,000 PSI	AVG _____
Average Rates in BPM	
MAX 8 BPM	AVG 7
Cement Left in Pipe	
Feet 86	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

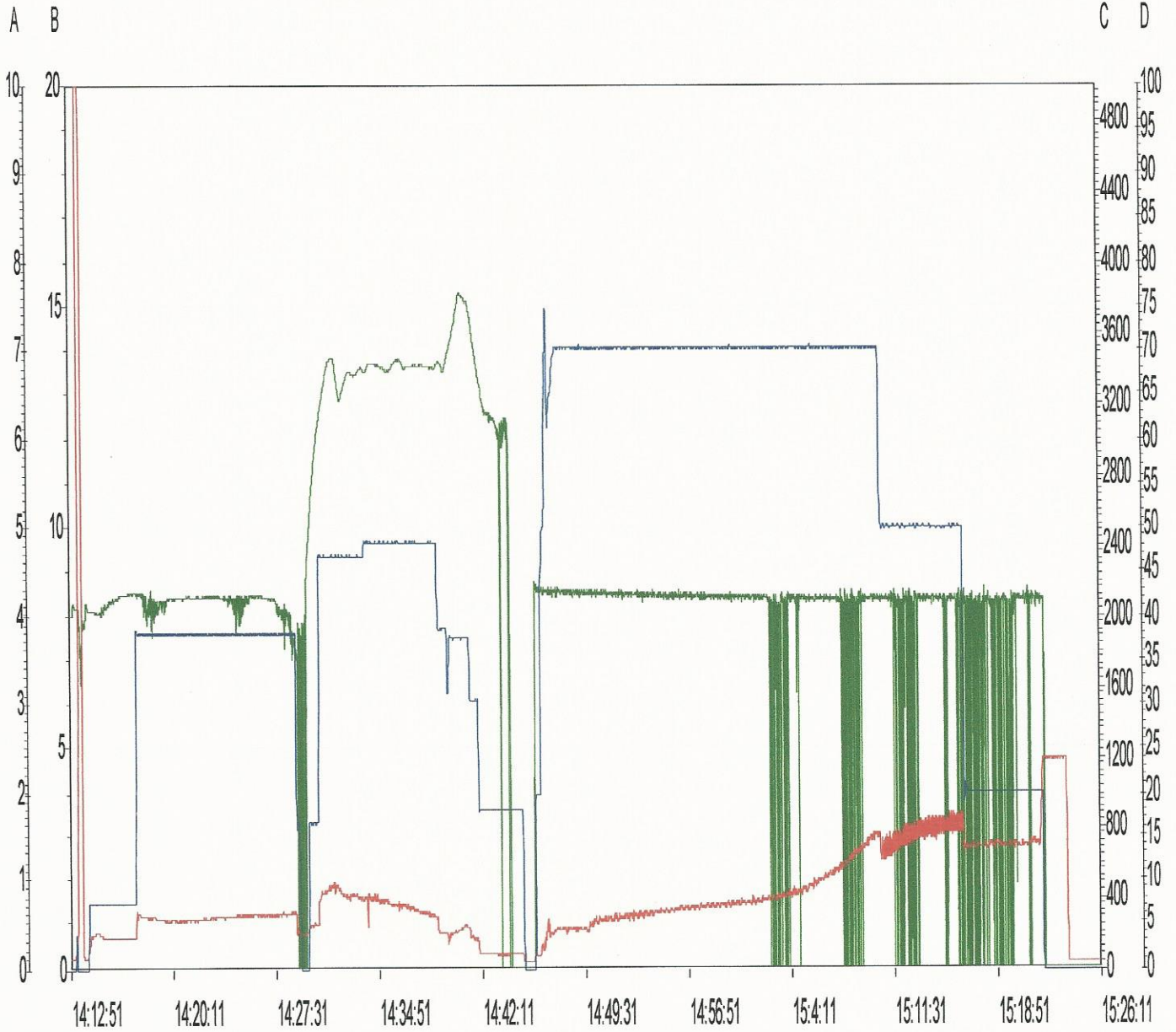
Summary					
Preflush Breakdown	_____	Type: _____	Preflush: BBI	30.00	Type: Gel Spacer
		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal N/A
		Lost Returns - l	Excess /Return BBI	N/A	Calc. Disp Bbl 202
		Actual TOC	Calc. TOC:	3,830	Actual Disp. 202.00
Average	_____	Bump Plug PSI:	Final Circ. PSI:	700	Disp: Bbl 202.00
ISIP	5 Min. _____	10 Min _____	Cement Slurry BBI	52.0	
		15 Min _____	Total Volume BBI	284.00	

CUSTOMER REPRESENTATIVE D.P.C. Miller SIGNATURE

Density(PPG)—B

Pressure-2(Psi)—C

Rate(bpm)—A



Chart

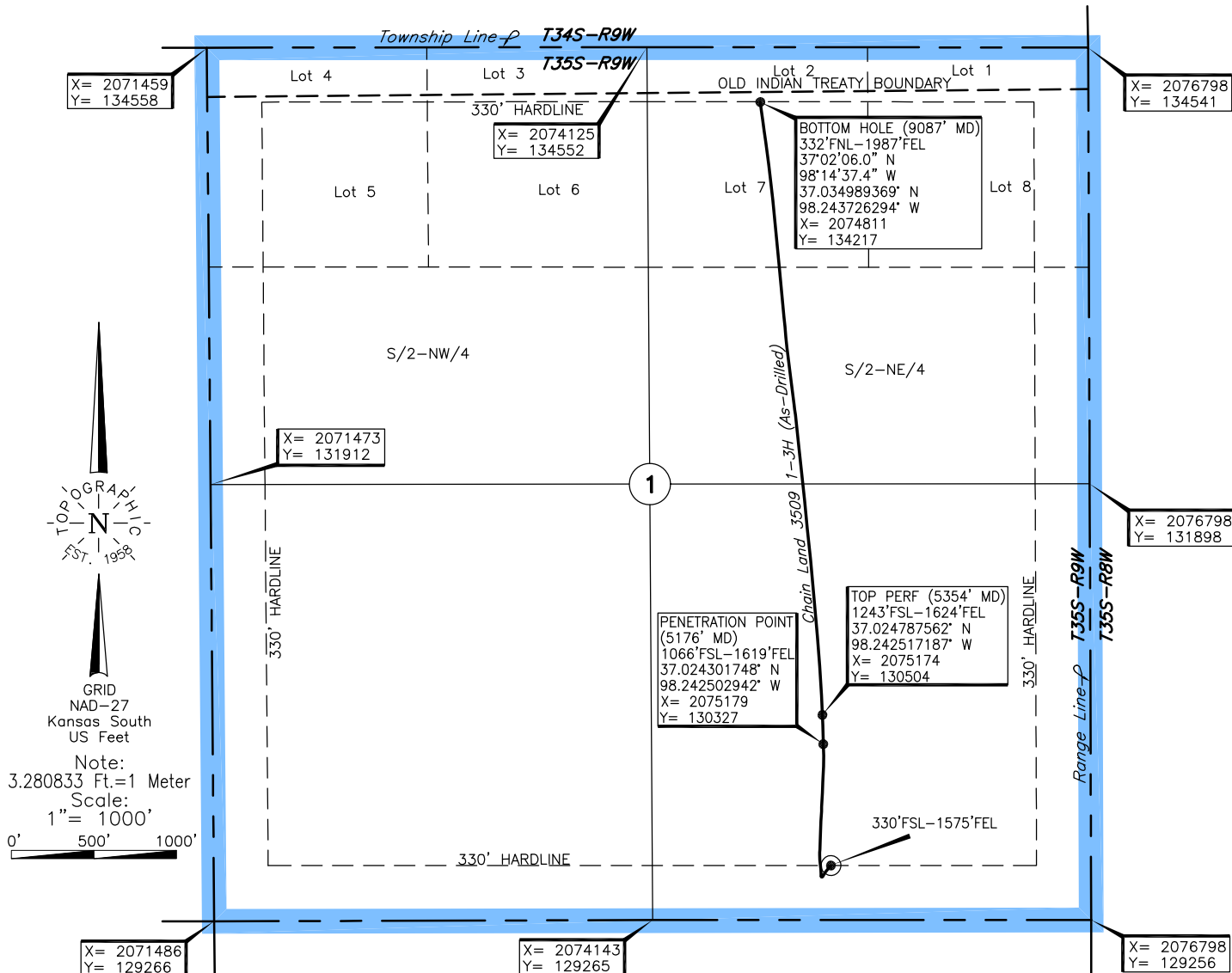
TOPOGRAPHIC LAND SURVEYORS

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

330'FSL-1575'FEL Section 1 Township 35S Range 9W P.M.



Operator: TAPSTONE ENERGY

Lease Name: CHAIN LAND 3509

Well No.: 1-3H

ELEVATION:
1249' Gr. at Stake

Topography & Vegetation Loc. fell at level existing pad ±7' West of Cellar

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 county road to new lease road, then go East ±2.1 mi. NE-E on lease road to SW corner of Section 1-T35S-R9W

DATUM: NAD-27
 LAT: 37°01'20.2"N
 LONG: 98°14'32.5"W
 LAT: 37.022281523°N
 LONG: 98.242358691°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2075223
 Y: 129591

227986 Date of Drawing: Jul. 28, 2014
 Invoice # 220484A 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
Chain Land 3509 1-3H
API# 15-077-21876

Vertical Section Azimuth @355.00 Degrees

<u>Date/Time</u>	<u>Depth</u>	<u>Inc</u>	<u>Azm</u>	<u>TVD</u>	<u>N/-S</u>	<u>E/-W</u>	<u>VS</u>
	100.00	0.11	232.87	100	-0.06	-0.08	-0.05
	200.00	0.18	186.02	200	-0.27	-0.17	-0.26
	300.00	0.3	270.56	300	-0.43	-0.45	-0.39
	400.00	0.98	212.86	399.99	-1.14	-1.17	-1.03
	500.00	1.27	222.89	499.97	-2.67	-2.39	-2.45
	600.00	2.04	223.68	599.93	-4.77	-4.38	-4.37
	700.00	2.9	214.61	699.84	-8.14	-7.04	-7.5
	751.00	2.56	221.18	750.78	-10.06	-8.52	-9.28
6/29/2014 15:23	899.00	3.84	222.19	898.55	-16.22	-14.03	-14.93
6/29/2014 16:50	1087.00	3.51	218.66	1086.16	-25.38	-21.85	-23.38
6/29/2014 18:14	1277.00	3.1	221.6	1275.84	-33.77	-28.9	-31.12
6/29/2014 21:09	1466.00	2.59	213.85	1464.61	-41.15	-34.68	-37.97
6/29/2014 22:31	1655.00	2.31	213.74	1653.44	-47.87	-39.18	-44.28
6/29/2014 23:47	1843.00	1.79	204.6	1841.32	-53.69	-42.51	-49.78
6/30/2014 1:23	2030.00	1.44	202.9	2028.24	-58.5	-44.63	-54.39
6/30/2014 3:15	2218.00	0.96	223.17	2216.2	-61.83	-46.63	-57.53
6/30/2014 5:27	2406.00	1.02	213.32	2404.17	-64.38	-48.63	-59.89
6/30/2014 8:15	2594.00	0.93	220.52	2592.14	-66.93	-50.54	-62.27
6/30/2014 10:48	2782.00	0.47	226.58	2780.13	-68.62	-52.09	-63.82
6/30/2014 13:04	2970.00	0.44	266.43	2968.12	-69.19	-53.37	-64.27
6/30/2014 14:55	3158.00	0.4	278.82	3156.12	-69.13	-54.75	-64.1
6/30/2014 21:09	3347.00	0.37	313.61	3345.12	-68.61	-55.84	-63.48
6/30/2014 22:40	3536.00	0.48	320.24	3534.11	-67.58	-56.79	-62.38
7/1/2014 0:35	3723.00	0.55	318.73	3721.1	-66.3	-57.89	-61.01
7/1/2014 5:54	3912.00	0.62	309.82	3910.09	-64.83	-58.85	-59.46
7/1/2014 8:04	3942.00	1.01	337.92	3940.09	-64.62	-59.49	-59.19
7/1/2014 9:28	3974.00	3.6	1.5	3972.06	-63.36	-59.57	-57.93
7/1/2014 11:16	4005.00	6.97	356.91	4002.93	-60.51	-59.64	-55.08
7/1/2014 12:42	4036.00	10.38	358.13	4033.57	-55.84	-59.84	-50.41
7/1/2014 14:25	4068.00	13.38	358.77	4064.88	-49.25	-60.01	-43.84
7/1/2014 16:06	4099.00	15.41	356.8	4094.9	-41.56	-60.31	-36.14
7/1/2014 17:58	4131.00	17.37	356.03	4125.6	-32.54	-60.88	-27.11
7/1/2014 19:14	4163.00	19.29	354.87	4155.98	-22.51	-61.69	-17.05
7/1/2014 21:17	4194.00	21.93	355.19	4184.99	-11.64	-62.63	-6.14
7/1/2014 23:29	4225.00	25.03	355.27	4213.42	0.66	-63.65	6.21
7/2/2014	4257.00	27.45	354.61	4242.12	14.75	-64.91	20.35
7/2/2014 1:52	4289.00	29.03	354.63	4270.31	29.83	-66.33	35.5
7/2/2014 3:15	4320.00	31.05	357.15	4297.15	45.31	-67.43	51.01
7/2/2014 4:35	4352.00	32.94	0.1	4324.29	62.25	-67.82	67.92

7/2/2014 5:58	4384.00	35.4	1.77	4350.76	80.22	-67.52	85.8
7/2/2014 7:29	4415.00	37.05	2.24	4375.77	98.52	-66.88	103.98
7/2/2014 8:45	4447.00	39.12	2.55	4400.95	118.24	-66.05	123.55
7/2/2014 9:55	4479.00	40.81	2.6	4425.48	138.78	-65.13	143.93
7/2/2014 11:36	4510.00	42.76	2.15	4448.59	159.42	-64.28	164.41
7/2/2014 13:00	4541.00	45.05	1.95	4470.92	180.9	-63.51	185.75
7/2/2014 14:37	4572.00	47.84	1.31	4492.28	203.35	-62.87	208.06
7/2/2014 16:05	4604.00	50.42	1.71	4513.22	227.54	-62.23	232.1
7/2/2014 17:48	4635.00	51.96	3.14	4532.65	251.67	-61.21	256.05
7/2/2014 7:45	4667.00	54.18	3.54	4551.87	277.21	-59.72	281.36
7/2/2014 22:02	4697.00	56.21	4.36	4569	301.78	-58.02	305.69
7/2/2014 23:05	4728.00	59.14	3.47	4585.57	327.92	-56.23	331.57
7/3/2014 2:54	4760.00	61.45	2.91	4601.43	355.66	-54.69	359.08
7/3/2014 3:59	4792.00	62.21	2.58	4616.54	383.84	-53.34	387.03
7/3/2014 4:42	4823.00	62.65	2.41	4630.88	411.29	-52.14	414.27
7/3/2014 5:54	4855.00	62.65	2.71	4645.59	439.69	-50.87	442.45
7/3/2014 7:13	4886.00	62.9	3.02	4659.77	467.22	-49.49	469.76
7/3/2014 8:05	4917.00	63.12	3.11	4673.83	494.8	-48.02	497.11
7/3/2014 9:40	4949.00	63.33	3.01	4688.25	523.33	-46.49	525.39
7/3/2014 11:14	4980.00	63.32	3.27	4702.17	550.99	-44.97	552.82
7/3/2014 14:44	5012.00	64.55	3.02	4716.23	579.69	-43.4	581.27
7/3/2014 16:29	5043.00	67.33	1.59	4728.86	607.97	-42.26	609.34
7/3/2014 18:43	5075.00	70.8	359.76	4740.3	637.85	-41.92	639.08
7/3/2014 20:29	5106.00	73.81	358.62	4749.72	667.38	-42.34	668.53
7/3/2014 22:05	5138.00	76.39	358.41	4757.95	698.29	-43.14	699.39
7/4/2014 1:18	5169.00	78.95	358.36	4764.57	728.56	-44	729.62
7/4/2014 2:59	5201.00	81.31	358.69	4770.06	760.07	-44.81	761.09
7/4/2014 4:47	5230.00	82.86	358.82	4774.05	788.79	-45.43	789.75
7/4/2014 7:47	5262.00	84.06	358.55	4777.69	820.57	-46.16	821.47
7/4/2014 9:58	5293.00	85.59	358.54	4780.49	851.44	-46.94	852.29
7/7/2014 4:40	5383.00	88.98	357.93	4784.75	941.28	-49.71	942.03
7/7/2014 7:02	5472.00	89.75	358.1	4785.73	1030.22	-52.79	1030.9
7/7/2014 9:41	5562.00	88.3	356.26	4789.29	1120.04	-56.61	1120.71
7/7/2014 11:44	5652.00	88.58	355.8	4789.71	1209.84	-63.44	1210.77
7/7/2014 13:50	5741.00	87.93	354.6	4792.42	1298.49	-70.89	1299.72
7/7/2014 20:09	5831.00	88.98	355.79	4794.85	1388.13	-78.42	1389.69
7/7/2014 22:28	5921.00	90.49	355.28	4706.84	1472.8	-62.99	1472.69
7/7/2014 23:41	6015.00	91.15	355.55	4793.92	1571.55	-92.94	1573.67
7/8/2014 2:05	6110.00	91.11	354.71	4792.05	1666.19	-101	1668.65
7/8/2014 3:34	6204.00	89.91	354.62	4791.21	1759.77	-109.74	1762.64
7/8/2014 5:21	6297.00	90.4	355.42	4790.96	1852.42	-117.81	1855.64
7/8/2014 7:09	6392.00	91.42	354.04	4789.45	1947.00	-126.53	1950.62
7/8/2014 8:35	6485.00	92.25	354.35	4786.48	2039.48	-135.94	2043.56
7/8/2014 10:26	6581.00	92.25	354.82	4782.71	2134.98	-144.99	2139.49
7/8/2014 12:30	6676.00	91.82	354.49	4779.34	2229.5	-153.83	2234.43
7/8/2014 14:34	6770.00	91.08	353.87	4776.96	2322.99	-163.36	2328.39
7/8/2014 15:59	6865.00	92.07	354.55	4774.35	2417.47	-172.94	2423.34

7/8/2014 17:51	6960.00	91.66	353.75	4771.26	2511.92	-182.61	2518.28
7/8/2014 19:27	7055.00	91.7	353.98	4768.48	2606.33	-192.77	2613.22
7/8/2014 20:59	7117.00	91.66	353.74	4766.63	2667.97	-199.19	2675.18
7/8/2014 21:45	7149.00	91.42	353.8	4765.8	2699.75	-202.87	2707.16
7/8/2014 22:34	7180.00	91.54	353.91	4765	2730.56	-206.19	2738.14
7/8/2014 23:38	7212.00	90.09	352.87	4764.54	2762.35	-209.87	2770.13
7/9/2014 0:18	7243.00	88.95	352.5	4764.8	2793.09	-213.82	2801.1
7/9/2014 0:48	7275.00	88.68	352.65	4765.47	2824.82	-217.95	2833.06
7/9/2014 1:17	7306.00	88.4	353.14	4766.26	2855.57	-221.78	2864.03
7/9/2014 2:15	7338.00	88.49	353.24	4767.13	2887.33	-225.57	2896
7/9/2014 2:46	7370.00	89.35	352.84	4767.73	2919.09	-229.45	2927.98
7/9/2014 3:27	7402.00	89.69	353.15	4768	2950.85	-233.35	2959.96
7/9/2014 4:13	7433.00	89.91	352.81	4768.1	2981.62	-237.14	2990.94
7/9/2014 4:53	7465.00	90	353.35	4768.13	3013.38	-241	3022.92
7/9/2014 5:26	7496.00	90	353.4	4768.13	3044.18	-244.58	3053.91
7/9/2014 6:19	7528.00	89.97	353.31	4768.14	3075.96	-248.28	3085.9
7/9/2014 8:09	7591.00	89.94	353.84	4768.19	3138.56	-255.34	3148.88
7/9/2014 10:10	7654.00	90.96	354.34	4767.7	3201.23	-261.83	3211.86
7/9/2014 12:16	7717.00	89.6	354.78	4767.39	3263.94	-267.8	3274.86
7/9/2014 13:47	7780.00	87.32	354.53	4769.09	3326.64	-273.67	3337.83
7/9/2014 16:02	7843.00	89.01	355.13	4771.1	3389.35	-279.34	3400.8
7/9/2014 17:10	7905.00	89.54	354.77	4771.89	3451.1	-284.8	3462.79
7/9/2014 17:59	7937.00	89.57	354.89	4772.13	3482.97	-287.68	3494.79
7/9/2014 18:32	7968.00	88.74	354.92	4772.59	3513.85	-290.43	3525.79
7/9/2014 19:15	8000.00	88.86	354.71	4773.26	3545.71	-293.32	3557.78
7/9/2014 19:49	8031.00	89.01	355.04	4773.84	3576.58	-296.09	3588.77
7/9/2014 20:20	8062.00	89.14	354.62	4774.34	3607.45	-298.88	3619.77
7/9/2014 21:12	8094.00	89.1	354.37	4774.83	3639.3	-301.95	3651.76
7/9/2014 21:43	8126.00	89.45	354.69	4775.24	3671.15	-305	3683.76
7/9/2014 22:25	8156.00	89.63	354.8	4775.48	3701.02	-307.75	3713.76
7/9/2014 23:21	8188.00	89.81	354.75	4775.64	3732.89	-310.66	3745.76
7/10/2014 0:09	8219.00	89.97	354.6	4775.69	3763.75	-313.54	3776.76
7/10/2014 1:25	8282.00	90.12	354.94	4775.64	3826.49	-319.28	3839.76
7/10/2014 2:33	8345.00	90.03	354.79	4775.56	3889.24	-324.92	3902.76
7/10/2014 4:11	8408.00	90.12	354.66	4775.47	3951.97	-330.72	3965.76
7/10/2014 5:26	8472.00	90.43	354.79	4775.16	4015.7	-336.6	4029.76
7/10/2014 7:12	8535.00	90.74	353.96	4774.52	4078.39	-342.77	4092.75
7/10/2014 9:42	8598.00	90.68	353.2	4773.74	4140.99	-349.81	4155.72
7/10/2014 11:33	8661.00	89.78	352.84	4773.49	4203.52	-357.47	4218.68
7/10/2014 13:04	8724.00	88.58	352.53	4774.39	4266	-365.49	4281.63
7/10/2014 14:50	8787.00	88.98	352.4	4775.73	4328.45	-373.75	4344.55
7/10/2014 16:17	8849.00	88.98	352.81	4776.83	4389.92	-381.73	4406.48
7/10/2014 17:53	8912.00	88.99	352.5	4777.94	4452.39	-389.78	4469.42
7/10/2014 20:11	8976.00	89.01	352.72	4779.06	4515.85	-398.01	4533.36
7/10/2014 21:08	9036.00	89.26	352.75	4779.96	4575.36	-405.6	4593.3
	9087.00	89.26	352.75	4780.62	4625.97	-412.02	4644.27

<u>DLS</u>	<u>Moter Yield</u>
0.11	
0.13	
0.33	
0.86	
0.35	
0.77	
0.94	
0.91	
0.86	
0.21	
0.24	
0.34	
0.15	
0.33	
0.19	
0.33	
0.09	
0.08	
0.25	
0.17	
0.05	
0.12	
0.06	
0.04	
1.08	
1.83	
8.45	11.26
10.95	10.95
11	11.2
9.39	13.64
6.75	9.49
6.16	9.85
6.12	10.86
8.5	11.48
10.01	14.09
7.6	12.19
4.96	8.32
7.68	
7.65	12.9

8.24	10.53
5.4	13.95
6.48	12.36
5.31	9.38
6.35	13.56
7.42	13.51
9.1	11.3
8.14	14.43
6.12	11.17
7.03	9.75
7.12	13.36
9.76	12.1
7.36	8.14
2.56	n/a
1.49	N/A
0.83	N/A
1.19	N/A
0.75	N/A
0.71	N/A
0.74	N/A
3.91	N/A
9.89	12.35
12.1	14.88
10.31	10.32
8.09	11.76
8.26	17.07
7.45	15.87
5.38	10.72
3.85	20.48
4.92	19.14
3.83	0
0.88	0
2.61	0
0.6	0
1.54	0
1.77	0
1.47	0
0.76	0
0.89	0
1.28	0
1.01	0
1.81	0
0.95	0
0.5	0
0.57	0
1.03	0
1.27	0

0.95	0
0.25	0
0.25	0
0.79	0
0.54	0
5.58	0
3.87	0
0.98	0
1.84	0
0.43	0
2.98	0
1.42	0
1.29	0
1.7	0
0.16	0
0.3	0
0.84	0
1.8	0
2.27	0
3.64	0
2.86	0
1.03	0
0.39	0
2.68	0
0.75	0
1.18	0
1.41	0
0.79	0
1.46	0
0.71	0
0.6	0
0.7	0
0.6	0
0.29	0
0.25	0
0.52	0
1.41	0
1.21	0
1.53	0
1.97	0
0.67	0
0.66	0
0.48	0
0.34	0
0.42	0
0	0