



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1077771
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: _____

1077771

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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Form	ACO1 - Well Completion
Operator	Chesapeake Operating, Inc.
Well Name	Blair 36-30-19 1H
Doc ID	1077771

All Electric Logs Run

Final 1in MD
Final 1in TVD
Final 5 in MD
Final 5in TVD
Horizontal Mud
Vertical Mud
MWD
PORO
RES
ACRT
ICT
POROML

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, 2012

KIOWA

County, Kansas

225'FSL - 660'FEL Section 36 Township 30S Range 19W P.M.

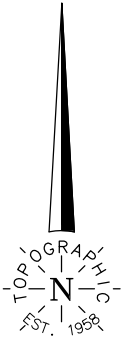
5270'

37.396676338° N
 99.355662281° W
 X=1751426
 Y=266948

330' HARDLINE

BOTTOM HOLE
 37°23'39.2" N
 99°20'23.4" W
 X=1756020
 Y=266017
 37.394234222° N
 99.339820426° W

37.396750087° N
 99.337521782° W
 X=1756696
 Y=266927



GRID

Scale:
 1" = 1000'

37.382173923° N
 99.355739857° W
 X=1751355
 Y=261668

TOP PERF. (5,390' MD)
 637'FEL-681'FSL
 37.384132684° N
 99.339778678° W
 X=1755999
 Y=262339

PENETRATION POINT
 (5,210' MD)
 636'FEL-505'FSL
 37.383649279° N
 99.339780106° W
 X=1755997
 Y=262163

37.382272451° N
 99.337596289° W
 X=1756627
 Y=261656

County Line
 KIOWA CO.
 COMANCHE CO.
 Township Line
 T30S-R19W
 T31S-R19W

36

OPEN HOLE
 6390' MD - 9069' MD

Blair 36-30-19 1H (As-Drilled)

225'

This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify us immediately of any possible discrepancy.

Operator: CHESAPEAKE OPERATING, INC.
 Lease Name: BLAIR 36-30-19

ELEVATION:

2202' Gr. at Stake

Topography & Vegetation Loc. fell in sloped grass pasture, ±80' East of drain

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

Best Accessibility to Location From South off county road
 Distance & Direction from Hwy Jct or Town From Jct. US Hwy. 183 and US Hwy. 160 E, North of Coldwater, KS,
go ±7.0 mi. North, then ±0.8 mi. West to the SE Cor. of Sec. 36-T30S-R19W

GPS 180903 Date of Drawing: Mar. 23, 2012
 DATUM: NAD-27 Invoice # 169750 Date Staked: Oct. 18, 2011 JP
 LAT: 37°22'58.4"N
 LONG: 99°20'23.5"W
 LAT: 37.382879638
 LONG: 99.339864345

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION
 FURNISHED BY CHESAPEAKE OPERATING

STATE PLANE COORDINATES:
 ZONE: KS SOUTH
 X: 1755970
 Y: 261883



CRESCENT

DIRECTIONAL DRILLING

Minimum Curvature Calculation

Client: Chesapeake Well: Blair 36-30-19 1H County: Kiowa Rig: Nomac 115	M.W.D. OPERATORS: B. Forrest/R.Diaz DIRECTIONAL DRILLERS: Cleve / Derrick Tool Correction to Grid North: 5.48 Job #: OK-12019 Survey Offset: 45ft Gamma Offset: 32ft
Vertical Section Angle: 0.74	

Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N / -S	+E / -W	DLS
Tie In	4736.00	0.22	264.25	4735.83	19.29	19.11	14.62	0.00
1	4775.00	7.50	3.30	4774.72	21.84	21.65	14.69	19.33
2	4807.00	10.70	7.10	4806.31	26.88	26.68	15.18	10.17
3	4839.00	14.80	7.90	4837.52	33.89	33.68	16.11	12.82
4	4871.00	19.30	8.20	4868.10	43.19	42.97	17.43	14.07
5	4902.00	24.10	7.30	4896.90	54.56	54.32	18.96	15.52
6	4934.00	29.40	5.50	4925.46	68.89	68.63	20.55	16.75
7	4966.00	34.50	4.00	4952.61	85.78	85.50	21.93	16.13
8	4997.00	39.60	2.80	4977.34	104.43	104.14	23.03	16.62
9	5029.00	45.20	1.40	5000.96	125.99	125.69	23.80	17.75
10	5061.00	51.20	1.80	5022.28	149.83	149.53	24.47	18.77
11	5092.00	56.10	1.90	5040.65	174.79	174.48	25.28	15.81
12	5124.00	60.60	1.80	5057.44	202.02	201.70	26.16	14.07
13	5156.00	64.80	1.30	5072.11	230.44	230.12	26.92	13.20
14	5188.00	67.80	0.80	5084.97	259.74	259.41	27.46	9.48
15	5219.00	70.50	0.80	5096.00	288.71	288.37	27.86	8.71
16	5251.00	73.90	1.50	5105.79	319.17	318.83	28.48	10.83
17	5283.00	77.50	0.90	5113.69	350.17	349.83	29.13	11.40
18	5314.00	81.50	0.50	5119.34	380.65	380.30	29.50	12.97
19	5346.00	85.20	359.90	5123.04	412.43	412.08	29.61	11.71
20	5353.00	86.00	359.90	5123.58	419.40	419.06	29.60	11.43
21	5421.00	89.90	357.90	5126.01	487.31	486.98	28.29	6.44
22	5451.00	90.20	358.70	5125.98	517.28	516.97	27.40	2.85
23	5482.00	90.40	358.10	5125.82	548.26	547.96	26.53	2.04
24	5512.00	90.50	358.20	5125.59	578.22	577.94	25.57	0.47
25	5543.00	90.60	357.00	5125.29	609.17	608.91	24.27	3.88
26	5573.00	90.80	358.00	5124.92	639.12	638.88	22.96	3.40
27	5604.00	91.00	357.70	5124.44	670.08	669.86	21.80	1.16
28	5634.00	90.10	357.90	5124.15	700.04	699.83	20.65	3.07
29	5665.00	90.10	358.30	5124.09	731.01	730.81	19.62	1.29
30	5696.00	88.80	358.60	5124.39	761.98	761.80	18.78	4.30
31	5726.00	88.70	358.90	5125.05	791.95	791.79	18.12	1.05
32	5758.00	89.10	358.80	5125.66	823.93	823.77	17.48	1.29
33	5790.00	89.10	1.00	5126.16	855.92	855.77	17.43	6.87
34	5821.00	89.40	1.20	5126.57	886.92	886.76	18.02	1.16
35	5853.00	89.40	0.70	5126.90	918.92	918.75	18.55	1.56
36	5885.00	89.20	0.60	5127.29	950.91	950.75	18.92	0.70
37	5916.00	88.50	359.50	5127.92	981.90	981.74	18.94	4.21
38	5948.00	88.40	359.50	5128.78	1013.89	1013.73	18.66	0.31
39	5980.00	89.30	0.50	5129.42	1045.88	1045.72	18.66	4.20

CRESCENT

DIRECTIONAL DRILLING

Minimum Curvature Calculation

Client: Chesapeake
Well: Blair 36-30-19 1H
County: Kiowa
Rig: Nomac 115

M.W.D. OPERATORS: B. Forrest/R.Diaz
DIRECTIONAL DRILLERS: Cleve / Derrick
Tool Correction to Grid North: 5.48
Job #: OK-12019

Survey Offset: 45ft
Gamma Offset: 32ft

Vertical Section Angle: 0.74

Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N / -S	+E / -W	DLS
40	6011.00	89.60	0.60	5129.72	1076.87	1076.72	18.96	1.02
41	6043.00	91.00	1.30	5129.55	1108.87	1108.71	19.49	4.89
42	6075.00	91.60	1.70	5128.83	1140.86	1140.69	20.33	2.25
43	6107.00	92.00	1.30	5127.82	1172.84	1172.67	21.17	1.77
44	6138.00	92.20	1.30	5126.69	1203.82	1203.64	21.87	0.65
45	6170.00	92.70	1.30	5125.32	1235.79	1235.60	22.59	1.56
46	6202.00	91.30	0.80	5124.20	1267.77	1267.57	23.18	4.65
47	6233.00	91.50	0.90	5123.44	1298.76	1298.56	23.64	0.72
48	6265.00	90.00	1.00	5123.03	1330.76	1330.55	24.17	4.70
49	6297.00	89.90	0.80	5123.05	1362.76	1362.55	24.67	0.70
50	6328.00	89.20	0.80	5123.30	1393.75	1393.55	25.11	2.26
51	6360.00	89.10	0.50	5123.77	1425.75	1425.54	25.47	0.99
52	6392.00	89.50	0.60	5124.16	1457.75	1457.54	25.78	1.29
53	6423.00	89.60	0.80	5124.41	1488.75	1488.53	26.15	0.72
54	6455.00	90.00	0.50	5124.52	1520.75	1520.53	26.52	1.56
55	6487.00	90.30	0.40	5124.43	1552.75	1552.53	26.77	0.99
56	6518.00	91.00	0.60	5124.08	1583.74	1583.53	27.04	2.35
57	6550.00	90.30	0.50	5123.72	1615.74	1615.52	27.35	2.21
58	6582.00	90.40	0.10	5123.52	1647.74	1647.52	27.51	1.29
59	6613.00	89.30	0.50	5123.61	1678.74	1678.52	27.68	3.78
60	6645.00	89.30	0.50	5124.00	1710.74	1710.52	27.96	0.00
61	6677.00	89.60	0.40	5124.30	1742.73	1742.51	28.21	0.99
62	6709.00	89.70	0.20	5124.50	1774.73	1774.51	28.37	0.70
63	6741.00	90.10	0.60	5124.55	1806.73	1806.51	28.60	1.77
64	6772.00	89.70	0.60	5124.61	1837.73	1837.51	28.92	1.29
65	6804.00	89.50	0.30	5124.83	1869.73	1869.51	29.17	1.13
66	6836.00	89.80	0.20	5125.03	1901.73	1901.51	29.31	0.99
67	6868.00	90.20	0.20	5125.03	1933.73	1933.51	29.43	1.25
68	6899.00	89.90	0.20	5125.00	1964.72	1964.51	29.53	0.97
69	6931.00	89.90	359.70	5125.06	1996.72	1996.51	29.51	1.56
70	6963.00	90.30	359.90	5125.00	2028.72	2028.51	29.39	1.40
71	6994.00	90.50	359.80	5124.78	2059.71	2059.51	29.31	0.72
72	7026.00	90.90	359.80	5124.39	2091.71	2091.50	29.20	1.25
73	7058.00	91.30	0.10	5123.78	2123.70	2123.50	29.17	1.56
74	7089.00	91.50	359.50	5123.02	2154.68	2154.49	29.06	2.04
75	7121.00	91.40	359.30	5122.21	2186.66	2186.48	28.73	0.70
76	7153.00	91.60	359.40	5121.37	2218.64	2218.46	28.37	0.70
77	7185.00	91.60	359.50	5120.48	2250.62	2250.45	28.06	0.31
78	7216.00	91.70	359.50	5119.59	2281.60	2281.43	27.79	0.32
79	7248.00	92.00	359.50	5118.56	2313.58	2313.42	27.51	0.94

CRESCENT

DIRECTIONAL DRILLING

Minimum Curvature Calculation

Client: Chesapeake Well: Blair 36-30-19 1H County: Kiowa Rig: Nomac 115 Vertical Section Angle: 0.74	M.W.D. OPERATORS: B. Forrest/R.Diaz DIRECTIONAL DRILLERS: Cleve / Derrick Tool Correction to Grid North: 5.48 Job #: OK-12019 Survey Offset: 45ft Gamma Offset: 32ft
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Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N / -S	+E / -W	DLS
80	7279.00	92.40	359.80	5117.37	2344.55	2344.39	27.32	1.61
81	7311.00	92.70	359.90	5115.94	2376.51	2376.36	27.24	0.99
82	7343.00	91.30	0.50	5114.82	2408.49	2408.34	27.35	4.76
83	7375.00	91.00	0.60	5114.18	2440.49	2440.33	27.66	0.99
84	7406.00	90.90	0.50	5113.67	2471.48	2471.33	27.95	0.46
85	7438.00	91.10	0.60	5113.11	2503.48	2503.32	28.26	0.70
86	7470.00	91.40	0.90	5112.41	2535.47	2535.31	28.68	1.33
87	7501.00	91.70	0.80	5111.57	2566.46	2566.30	29.14	1.02
88	7533.00	92.00	1.00	5110.54	2598.44	2598.27	29.64	1.13
89	7565.00	92.50	0.90	5109.28	2630.42	2630.25	30.17	1.59
90	7596.00	92.70	0.90	5107.88	2661.38	2661.21	30.66	0.65
91	7628.00	92.60	1.90	5106.40	2693.35	2693.17	31.44	3.14
92	7660.00	91.50	1.60	5105.25	2725.32	2725.13	32.42	3.56
93	7692.00	91.70	1.50	5104.36	2757.31	2757.11	33.28	0.70
94	7724.00	90.40	2.10	5103.77	2789.29	2789.08	34.29	4.47
95	7755.00	88.70	2.00	5104.02	2820.28	2820.06	35.39	5.49
96	7787.00	88.70	2.10	5104.74	2852.27	2852.03	36.54	0.31
97	7819.00	88.70	2.40	5105.47	2884.25	2884.00	37.80	0.94
98	7851.00	89.10	2.10	5106.08	2916.23	2915.97	39.05	1.56
99	7883.00	89.40	2.10	5106.50	2948.22	2947.94	40.22	0.94
100	7915.00	89.70	2.10	5106.75	2980.21	2979.92	41.40	0.94
101	7946.00	90.00	2.30	5106.83	3011.20	3010.90	42.59	1.16
102	7978.00	90.50	2.40	5106.70	3043.19	3042.87	43.90	1.59
103	8010.00	90.80	2.20	5106.33	3075.17	3074.84	45.18	1.13
104	8042.00	90.20	1.80	5106.05	3107.16	3106.82	46.30	2.25
105	8073.00	90.20	1.30	5105.94	3138.16	3137.81	47.14	1.61
106	8105.00	90.40	0.70	5105.78	3170.16	3169.81	47.70	1.98
107	8137.00	90.70	0.60	5105.47	3202.16	3201.80	48.06	0.99
108	8169.00	90.20	0.60	5105.22	3234.16	3233.80	48.39	1.56
109	8200.00	88.70	0.40	5105.52	3265.15	3264.80	48.66	4.88
110	8232.00	88.70	0.50	5106.24	3297.14	3296.79	48.92	0.31
111	8264.00	89.10	1.00	5106.86	3329.14	3328.78	49.33	2.00
112	8295.00	89.10	1.10	5107.34	3360.13	3359.77	49.90	0.32
113	8327.00	89.40	0.90	5107.76	3392.13	3391.76	50.46	1.13
114	8359.00	89.80	0.80	5107.99	3424.13	3423.76	50.94	1.29
115	8390.00	90.00	0.90	5108.04	3455.13	3454.75	51.40	0.72
116	8422.00	90.50	1.40	5107.90	3487.13	3486.75	52.04	2.21
117	8454.00	91.00	1.60	5107.48	3519.12	3518.73	52.88	1.68
118	8486.00	91.60	1.50	5106.76	3551.11	3550.71	53.74	1.90
119	8517.00	90.60	1.00	5106.16	3582.10	3581.70	54.42	3.61

CRESCENT

DIRECTIONAL DRILLING

Minimun Curvature Calculation

Client: Chesapeake Well: Blair 36-30-19 1H County: Kiowa Rig: Nomac 115	M.W.D. OPERATORS: B. Forrest/R.Diaz DIRECTIONAL DRILLERS: Cleve / Derrick Tool Correction to Grid North: 5.48 Job #: OK-12019 Survey Offset: 45ft Gamma Offset: 32ft
Vertical Section Angle: 0.74	

Sur #	Meas. Depth	Inc.	Azm.	T.V.D.	Ver.Sect.	+N / -S	+E / -W	DLS
120	8549.00	90.50	1.00	5105.85	3614.10	3613.69	54.98	0.31
121	8581.00	91.00	1.30	5105.43	3646.10	3645.68	55.62	1.82
122	8612.00	91.60	1.40	5104.73	3677.09	3676.67	56.35	1.96
123	8644.00	91.50	1.20	5103.87	3709.07	3708.65	57.07	0.70
124	8676.00	91.60	0.80	5103.00	3741.06	3740.63	57.63	1.29
125	8708.00	90.30	0.20	5102.47	3773.06	3772.62	57.91	4.47
126	8739.00	90.00	359.50	5102.39	3804.05	3803.62	57.83	2.46
127	8771.00	90.00	359.10	5102.39	3836.04	3835.62	57.44	1.25
128	8803.00	90.10	359.00	5102.36	3868.03	3867.62	56.91	0.44
129	8834.00	90.30	358.60	5102.25	3899.01	3898.61	56.26	1.44
130	8866.00	90.50	358.50	5102.03	3930.99	3930.60	55.45	0.70
131	8898.00	90.90	359.20	5101.64	3962.97	3962.59	54.81	2.52
132	8930.00	91.40	358.60	5101.00	3994.94	3994.58	54.19	2.44
133	8961.00	90.00	358.30	5100.62	4025.92	4025.56	53.35	4.62
134	8993.00	89.80	358.20	5100.67	4057.89	4057.55	52.38	0.70
135	9025.00	89.80	358.10	5100.78	4089.85	4089.53	51.34	0.31
PTB	9069.00	89.80	358.10	5100.94	4133.81	4133.51	49.89	0.00



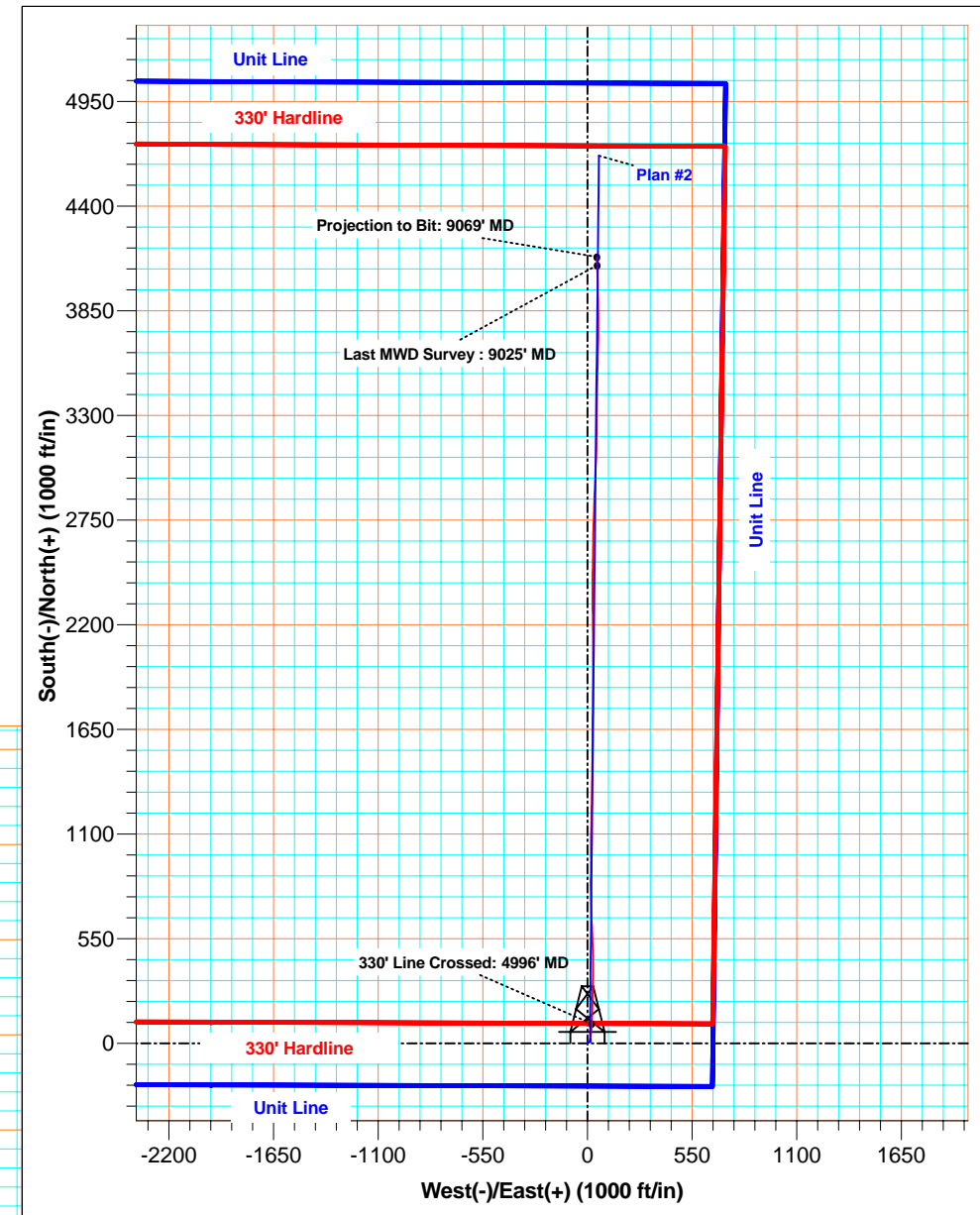
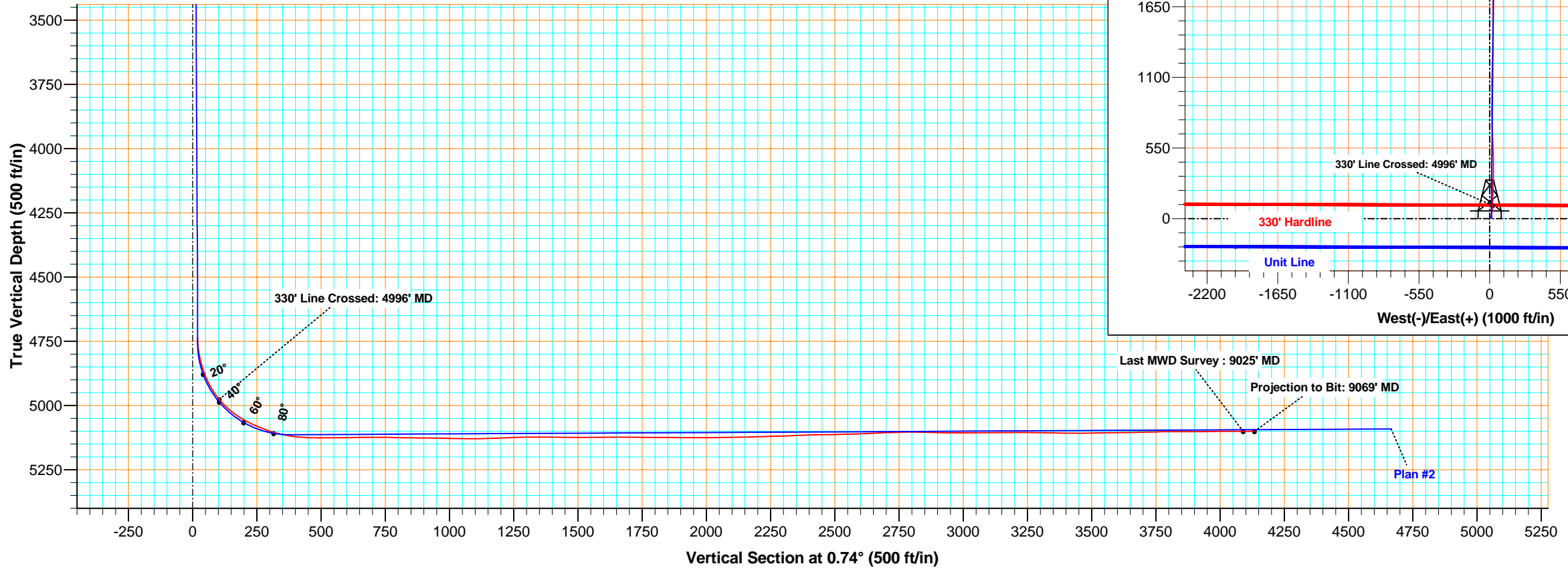
Chesapeake - OK, TX, KS
Blair 36-30-19 #1H
Kiowa County, KS
Final Plan vs Actual

Nomac 115



Surface Location		Ground Elevation: 2202.00		RKB @ 2218.00ft (Nomac 115)			Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	261883.000	1755970.000	37° 22' 58.361 N	99° 20' 23.555 W		

Map System : US State Plane 1927 (Exact solution)
 Datum : NAD 1927 (NADCON CONUS)
 Ellipsoid : Clarke 1866
 Zone Name : Kansas South 1502
 Local Origin : Well #1H, Grid North
 System Datum : Mean Sea Level



Last MWD Survey : 9025' MD

Projection to Bit: 9069' MD

Plan #2

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 27, 2012

Aletha Dewbre
Chesapeake Operating, Inc.
6100 N WESTERN AVE
PO BOX 18496
OKLAHOMA CITY, OK 73154-0496

Re: ACO1
API 15-097-21710-01-00
Blair 36-30-19 1H
SE/4 Sec.36-30S-19W
Kiowa County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Aletha Dewbre

				Customer CHESAPEAKE			Job Number 1083												
Well BLAIR 36-30-19-1H 36-30-19-1H				Location (legal)			Schlumberger Location ELK CITY			Job Start Jan/23/2012									
Field ALFORD			Formation Name/Type Limestone			Deviation 90 deg		Bit Size 8.8 in		Well MD 5390.0 ft		Well TVD 5111.0 ft							
County KIOWA			State/Province Kansas			BHP psi		BHST degF		BHCT degF		Pore Press. Gradient lb/gal							
Well Master			API/UWI			Casing/Liner													
Rig Name NOMAC 115		Drilled For Oil		Service Via Land		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread					
Offshore Zone		Well Class New		Well Type Exploration		5395.0		7.0		26.0		P110		8RD					
0.0		0.0		0.0		Tubing/Drill Pipe													
Drilling Fluid Type			Max. Density lb/gal		Plastic Viscosity cP		T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread		
Service Line Cementing			Job Type INTERMEDIATE																
Max. Allowed Tub. Press 5000 psi			Max. Allowed Ann. Press psi			WH Connection Single Cement head			Perforations/Open Hole										
Service Instructions CEMENT 7IN CASING WITH 30BBLs CW100,46BBLs TAIL@13PPG, AND DISPLACE 205BBLs OF H2O			Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft								
			ft		ft						Diameter in								
			ft		ft														
			Treat Down Casing			Displacement 205.0 bbl			Packer Type			Packer Depth ft							
			Tubing Vol. bbl			Casing Vol. 207.0 bbl			Annular Vol. bbl			Openhole Vol. bbl							
Casing/Tubing Secured <input checked="" type="checkbox"/>				1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools				Squeeze Job							
Lift Pressure 600 psi				Shoe Type Guide				Squeeze Type											
Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 5395.0 ft				Tool Type							
No. Centralizers 0				Top Plugs 1		Bottom Plugs 0		Stage Tool Type				Tool Depth ft							
Cement Head Type Single				Stage Tool Depth ft				Tail Pipe Size in											
Job Scheduled For Jan/23/2012 13:00				Arrived on Location Jan/23/2012 12:30				Leave Location Jan/23/2012 20:00				Collar Type Float				Tail Pipe Depth ft			
								Collar Depth 5347.0 ft				Seq. Total Vol. bbl							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message													
01/23/2012	16:21:18	9	0.0	8.35	0.0	Started Acquisition													
01/23/2012	16:21:21	9	0.0	8.35	0.0	Start Job													
01/23/2012	16:21:23	8	0.0	8.35	0.0	Start Pumping Spacer													
01/23/2012	16:21:28	8	0.0	8.35	0.0	Pressure Test Lines													
01/23/2012	16:22:18	8	0.0	8.35	0.0														
01/23/2012	16:23:18	74	0.2	8.35	0.5														
01/23/2012	16:24:18	444	0.0	8.35	0.6														
01/23/2012	16:25:18	4536	0.0	8.35	0.6														
01/23/2012	16:26:18	5786	0.0	8.35	0.6														
01/23/2012	16:27:18	5189	0.0	8.35	0.6														
01/23/2012	16:28:18	4095	0.0	8.35	0.6														
01/23/2012	16:29:18	86	0.4	8.35	0.7														
01/23/2012	16:30:18	362	6.4	8.36	5.5														
01/23/2012	16:31:18	355	6.4	8.35	11.9														
01/23/2012	16:32:18	161	6.4	8.35	18.3														
01/23/2012	16:33:18	349	6.5	8.35	22.9														
01/23/2012	16:34:18	375	6.4	8.30	29.3														
01/23/2012	16:34:44	382	6.4	8.30	32.1	Reset Total, Vol = 32.12 bbl													
01/23/2012	16:34:51	256	5.6	8.44	32.8	End Spacer													
01/23/2012	16:34:54	250	5.6	8.61	33.1	Start Mixing Tail Slurry													
01/23/2012	16:35:18	401	5.1	10.41	35.3														

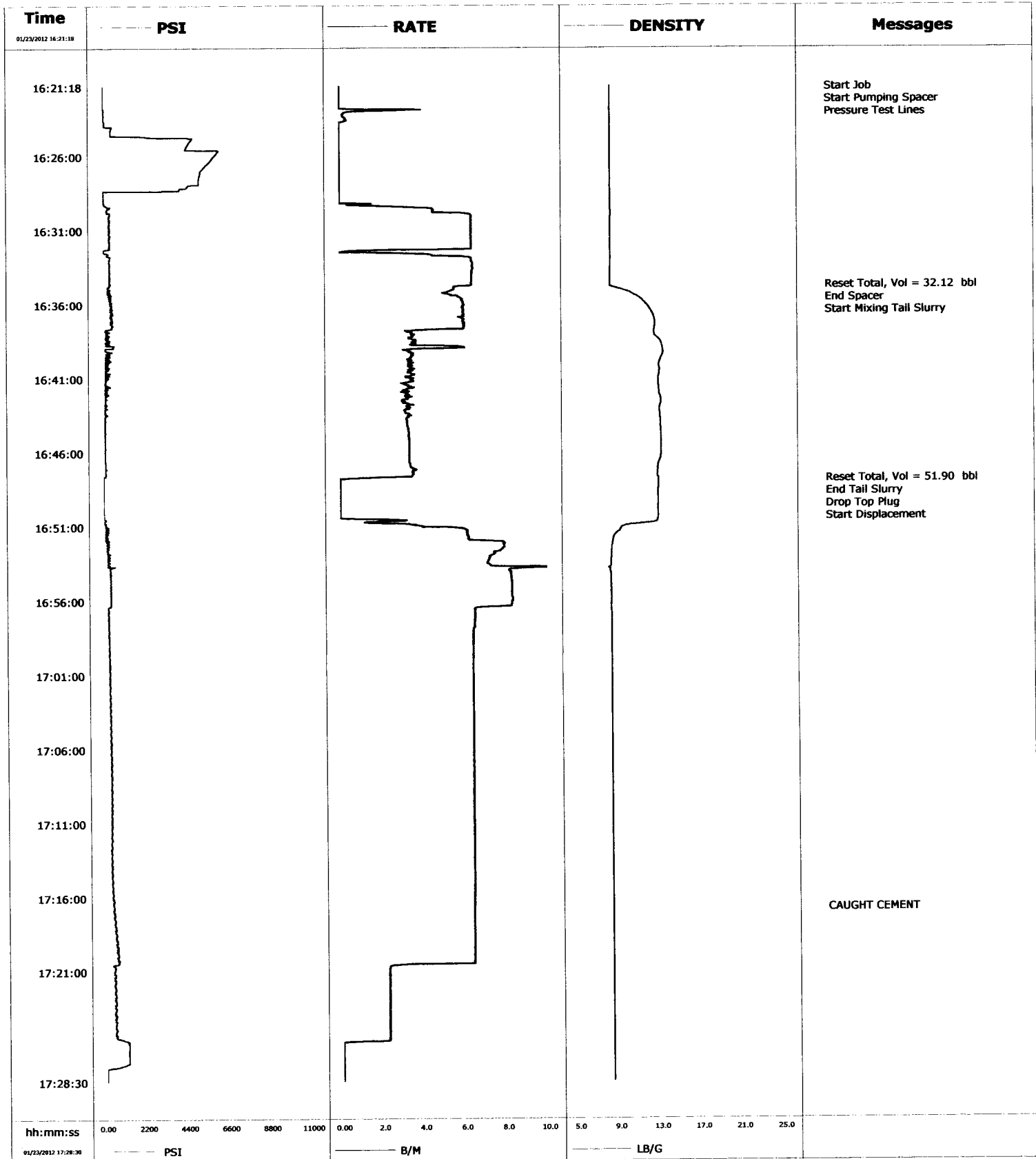
Well		Field		Job Start		Customer		Job Number	
BLAIR 36-30-19-1H 36-30-19-1H		ALFORD		Jan/23/2012		CHESAPEAKE		1083	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/23/2012	16:37:18	430	6.0	12.67	47.1				
01/23/2012	16:38:18	249	3.4	12.85	51.7				
01/23/2012	16:39:18	240	3.5	13.46	55.6				
01/23/2012	16:40:18	346	3.5	13.07	59.1				
01/23/2012	16:41:18	148	3.3	12.96	62.5				
01/23/2012	16:42:18	137	3.3	13.18	65.8				
01/23/2012	16:43:18	109	3.2	13.09	69.1				
01/23/2012	16:44:18	108	3.3	13.20	72.3				
01/23/2012	16:45:18	110	3.4	13.22	75.7				
01/23/2012	16:46:18	108	3.4	13.20	79.1				
01/23/2012	16:47:18	116	3.6	12.90	82.5				
01/23/2012	16:47:50	15	0.0	12.98	84.0	Reset Total, Vol = 51.90 bbl			
01/23/2012	16:47:54	11	0.0	12.97	0.0	End Tail Slurry			
01/23/2012	16:47:55	10	0.0	12.97	0.0	Drop Top Plug			
01/23/2012	16:47:56	9	0.0	12.97	0.0	Start Displacement			
01/23/2012	16:48:18	7	0.0	12.95	0.0				
01/23/2012	16:49:18	9	0.0	12.93	0.0				
01/23/2012	16:50:18	9	0.0	12.92	0.0				
01/23/2012	16:51:18	120	6.1	9.22	2.9				
01/23/2012	16:52:18	243	8.0	8.45	9.6				
01/23/2012	16:53:18	218	7.2	8.33	17.2				
01/23/2012	16:54:18	346	8.3	8.30	25.1				
01/23/2012	16:55:18	349	8.3	8.34	33.4				
01/23/2012	16:56:18	372	8.3	8.34	41.8				
01/23/2012	16:57:18	227	6.5	8.35	48.5				
01/23/2012	16:58:18	249	6.4	8.35	55.0				
01/23/2012	16:59:18	257	6.4	8.35	61.4				
01/23/2012	17:00:18	287	6.4	8.35	67.9				
01/23/2012	17:01:18	295	6.4	8.35	74.3				
01/23/2012	17:02:18	286	6.4	8.35	80.7				
01/23/2012	17:03:18	311	6.4	8.35	87.1				
01/23/2012	17:04:18	311	6.4	8.35	93.5				
01/23/2012	17:05:18	330	6.4	8.35	99.9				
01/23/2012	17:06:18	312	6.4	8.35	106.4				
01/23/2012	17:07:18	346	6.4	8.35	112.8				
01/23/2012	17:08:18	336	6.4	8.35	119.2				
01/23/2012	17:09:18	362	6.4	8.35	125.6				
01/23/2012	17:10:18	334	6.4	8.35	132.0				
01/23/2012	17:11:18	332	6.4	8.35	138.4				
01/23/2012	17:12:18	303	6.4	8.35	144.8				
01/23/2012	17:13:18	302	6.4	8.35	151.2				
01/23/2012	17:14:18	327	6.4	8.35	157.6				
01/23/2012	17:15:18	377	6.4	8.35	164.0				
01/23/2012	17:16:18	433	6.4	8.35	170.4				
01/23/2012	17:16:48	430	6.4	8.35	173.6	CAUGHT CEMENT			
01/23/2012	17:17:18	428	6.4	8.35	176.8				
01/23/2012	17:18:18	485	6.4	8.35	183.2				
01/23/2012	17:19:18	530	6.4	8.35	189.6				
01/23/2012	17:20:18	652	6.4	8.35	196.0				
01/23/2012	17:21:18	456	2.2	8.35	199.4				
01/23/2012	17:22:18	497	2.3	8.35	201.7				
01/23/2012	17:23:18	442	2.3	8.35	203.9				
01/23/2012	17:24:18	472	2.2	8.35	206.2				
01/23/2012	17:25:18	477	2.2	8.35	208.4				

Well BLAIR 36-30-19-1H 36-30-19-1H		Field ALFORD		Job Start Jan/23/2012		Customer CHESAPEAKE		Job Number 1083	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/23/2012	17:27:18	1136	0.0	8.35	209.6				

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 5.3	N2	Mud	Maximum Rate 10.6	Total Slurry 46.0	Mud 0.0	Spacer 30.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 6208	Final 13	Average 569	Bump Plug to 1100	Breakdown Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 46.0 bbl		Displacement 205.0 bbl	Mix Water Temp 56 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	
Customer or Authorized Representative CURTUS				Schlumberger Supervisor Jeremy Maggard	Washed Thru Perfs <input type="checkbox"/>	To ft	
					Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	

Well	BLAIR 36-30-19-1H	Client	CHESAPEAKE
Field	ALFORD	SIR No.	1083
Engineer	Jeremy Maggard	Job Type	INTERMEDIATE
Country	United States	Job Date	01-23-2012



				Customer		Job Number	
				CHESAPEAKE		B8ML-00620	
Well		Location (legal)		Schlumberger Location		Job Start	
BLAIR 36-30-19 1H		SEC 36-30-19		EL RENO		Jan/09/2012	
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
ALFORD				deg	12.3 in	1075.0 ft	1075.0 ft
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient
KIOWA		KANSAS		psi	degF	degF	lb/gal
Well Master		API/UWI					
0631334194							
Rig Name		Drilled For	Service Via	Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
							Thread
Offshore Zone		Well Class	Well Type	1082.8	9.6	36.0	
		New		0.0	0.0	0.0	
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe			
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft
							Grade
							Thread
Service Line		Job Type					
Cementing		9 5/8 SURFACE					
Max. Allowed Tub. Press		Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole			
psi		psi	Single Cement head	Top, ft	Bottom, ft	shot/ft	No. of Shots
							Total Interval
Service Instructions				ft	ft		ft
				ft	ft		Diameter
				ft	ft		in
				Treat Down	Displacement	Packer Type	Packer Depth
				Casing	80.2 bbl		ft
				Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
				bbl	83.7 bbl	bbl	bbl
Casing/Tubing Secured		<input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement	<input checked="" type="checkbox"/>	Casing Tools		Squeeze Job
Lift Pressure		350 psi		Shoe Type		Guide	
Pipe Rotated		<input type="checkbox"/>	Pipe Reciprocated	<input type="checkbox"/>	Shoe Depth		1083.0 ft
No. Centralizers		Top Plugs	1	Bottom Plugs	0	Stage Tool Type	
						NA	
Cement Head Type		Single		Stage Tool Depth		ft	
Job Scheduled For		Arrived on Location	Leave Location	Collar Type		Float	
Jan/09/2012		Jan/09/2012	Jan/09/2012	Collar Depth		1037.6 ft	
				Sqz. Total Vol.		bbl	
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message	
01/09/2012	18:20:56	0.1	8.41	0.0	-12	Started Acquisition	
01/09/2012	18:21:20	0.1	8.41	0.0	-12	Start Pumping Spacer	
01/09/2012	18:21:29	0.1	8.41	0.0	-12	Pressure Test Lines	
01/09/2012	18:21:56	0.1	8.41	0.1	-12		
01/09/2012	18:22:56	0.0	8.41	0.1	-11		
01/09/2012	18:23:56	0.8	8.41	0.1	49		
01/09/2012	18:24:56	0.0	8.41	2.3	0		
01/09/2012	18:25:56	0.0	8.41	2.3	0		
01/09/2012	18:26:56	0.0	8.41	2.3	-1		
01/09/2012	18:27:56	0.0	8.41	2.3	89		
01/09/2012	18:28:56	0.0	8.41	2.3	33		
01/09/2012	18:29:56	0.0	8.41	2.3	-2		
01/09/2012	18:30:56	6.4	8.19	4.1	154		
01/09/2012	18:31:56	6.4	8.37	10.4	166		
01/09/2012	18:32:56	6.4	8.37	16.7	161		
01/09/2012	18:33:28	6.4	8.35	20.1	171	Start Mixing Lead Slurry	
01/09/2012	18:33:31	6.4	8.35	20.4	172	Reset Total, Vol = 20.42 bbl	
01/09/2012	18:33:56	6.2	11.39	23.1	221		
01/09/2012	18:34:56	6.2	12.88	29.4	273		
01/09/2012	18:35:56	6.2	12.93	35.7	272		
01/09/2012	18:36:56	6.2	12.92	42.0	268		

Well		Field		Job Start		Customer		Job Number	
BLAIR 36-30-19 1H		ALFORD		Jan/09/2012		CHESAPEAKE		B8ML-00620	
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	Pressure PSI	Message			
01/09/2012	18:38:56	6.4	12.98	54.6	243				
01/09/2012	18:39:56	6.2	13.02	60.9	248				
01/09/2012	18:40:56	6.2	12.95	67.2	241				
01/09/2012	18:41:56	6.4	11.71	73.5	210				
01/09/2012	18:42:56	6.4	12.99	79.9	236				
01/09/2012	18:43:56	6.4	12.97	86.2	247				
01/09/2012	18:44:56	6.5	12.96	92.5	242				
01/09/2012	18:45:56	6.4	12.93	98.8	245				
01/09/2012	18:46:56	6.2	12.92	105.1	245				
01/09/2012	18:47:56	6.4	12.95	111.4	247				
01/09/2012	18:48:56	6.4	12.90	117.7	243				
01/09/2012	18:49:56	6.4	12.82	124.1	244				
01/09/2012	18:50:30	6.2	12.53	127.6	231	Start Mixing Tail Slurry			
01/09/2012	18:50:34	6.4	12.42	128.1	228	Reset Total, Vol = 107.63 bbl			
01/09/2012	18:50:56	6.2	14.04	130.4	267				
01/09/2012	18:51:56	6.2	14.74	136.7	280				
01/09/2012	18:52:56	6.2	14.78	143.0	285				
01/09/2012	18:53:56	6.2	14.87	149.3	290				
01/09/2012	18:54:56	6.2	14.92	155.6	291				
01/09/2012	18:55:56	6.2	14.92	161.9	304				
01/09/2012	18:56:56	6.4	14.89	168.3	286				
01/09/2012	18:57:56	6.2	14.80	174.6	273				
01/09/2012	18:58:56	0.0	15.16	178.1	-7				
01/09/2012	18:59:56	0.0	13.22	178.1	-13				
01/09/2012	19:00:56	0.0	10.82	178.1	-2				
01/09/2012	19:01:56	6.5	10.29	178.7	193				
01/09/2012	19:02:56	6.2	7.92	185.0	70				
01/09/2012	19:03:56	6.4	7.92	191.3	108				
01/09/2012	19:04:56	6.2	8.28	197.6	135				
01/09/2012	19:05:56	6.2	8.39	203.9	117				
01/09/2012	19:06:56	6.4	8.24	210.2	144				
01/09/2012	19:07:56	6.2	8.41	216.5	208				
01/09/2012	19:08:56	6.2	8.44	222.8	243				
01/09/2012	19:09:56	6.4	8.41	229.1	273				
01/09/2012	19:10:56	6.2	8.41	235.4	307				
01/09/2012	19:11:56	6.2	8.41	241.7	345				
01/09/2012	19:12:56	6.2	8.41	248.0	383				
01/09/2012	19:13:56	2.8	8.41	253.8	290				
01/09/2012	19:14:56	2.0	8.41	255.9	290				
01/09/2012	19:15:56	2.0	8.41	257.9	302				
01/09/2012	19:16:56	1.9	8.41	259.9	320				
01/09/2012	19:17:56	1.9	8.41	262.0	572				
01/09/2012	19:18:18	0.0	8.41	262.2	918	Bump Top Plug			
01/09/2012	19:18:27	0.0	8.41	262.2	918	CHECK FLOATS			
01/09/2012	19:18:56	0.0	8.41	262.2	698				
01/09/2012	19:19:13	0.0	8.41	262.2	-13	FLOATS HOLD			

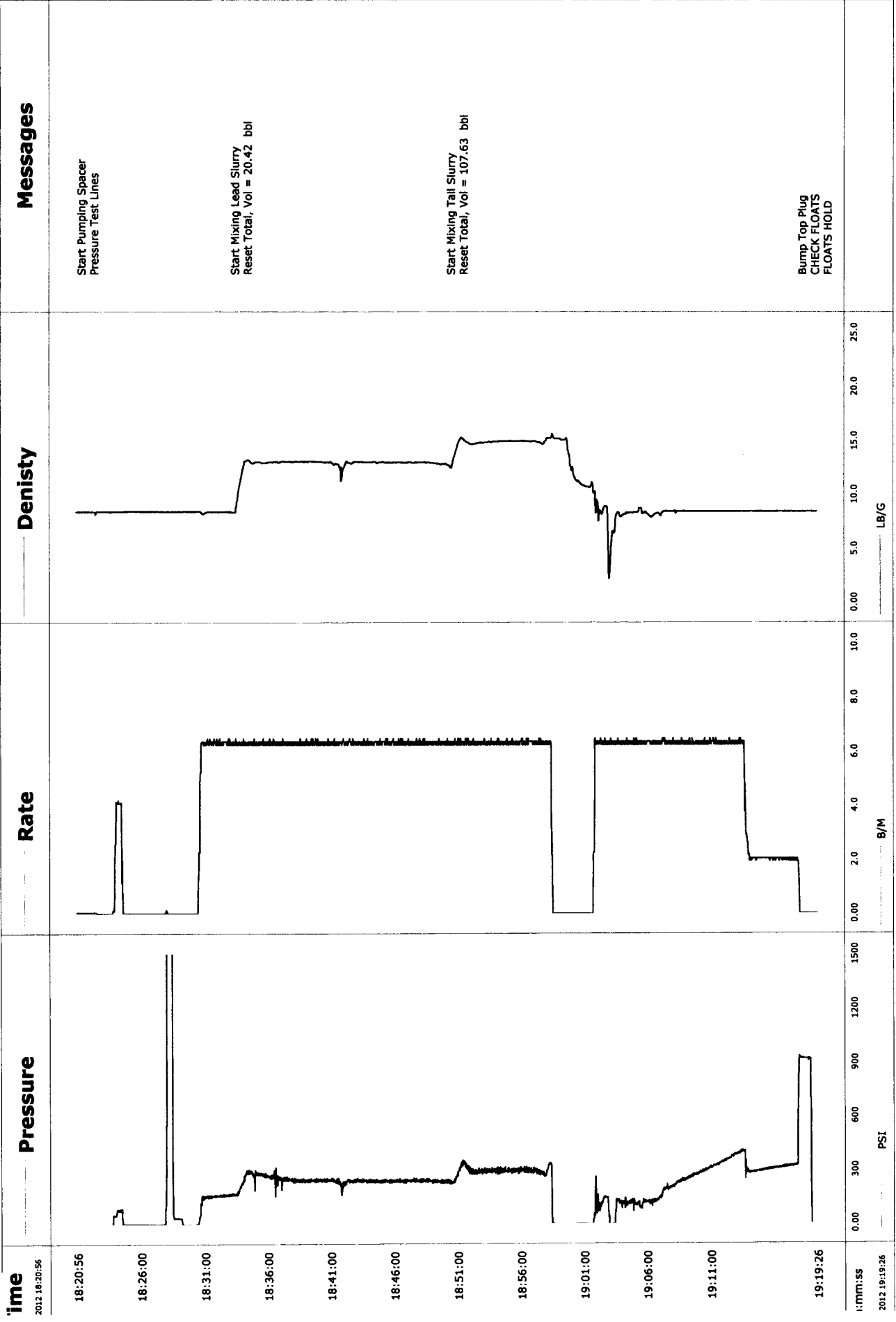
Well BLAIR 36-30-19 1H	Field ALFORD	Job Start Jan/09/2012	Customer CHESAPEAKE	Job Number 88ML-00620
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.4			6.5	157.8	0.0	20.0	0	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
2391	-12	262	900		FreshWater	80.2 bbl	8.34 lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	bbl	
0.0 %	0.0 bbl	80.2 bbl	degF	Washed Thru Perfs	<input type="checkbox"/>	To	ft	
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>	
BILL CANON	DAVID KLOHN			-		-		

Well BLAIR 36-30-19 1H
Field ALFORD
Engineer DAVID KLOHN
Country United States

Client CHESAPEAKE
SIR No. B8ML-00620
Job Type 9 5/8 SURFACE
Job Date 01-09-2012



Notice of Conductor Pipe Installation

Installation Company Information

Firm Name	Elite Drilling, LLC.
Mailing Address	3105 Bent Creek Drive
City	Woodward
State	OK
Zip	73801

Well Operator Information

Operator name	Chesapeake Operating, Inc.
Mailing Address	Rt. 1 Box 5-A
City	Waynoka
State	OK
Zip	73860

Well Information

Well Name	Blair 36-30-19-1H
Legal location	Sec. 36-30S-19W
Footage	
County	

Installation Details

Pipe Size	20"
Depth	125'
Completion Method	Displacement
Date installed	1/4/2012
Cement	18 yds Class A Type 1