



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1158076
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: _____



1158076

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

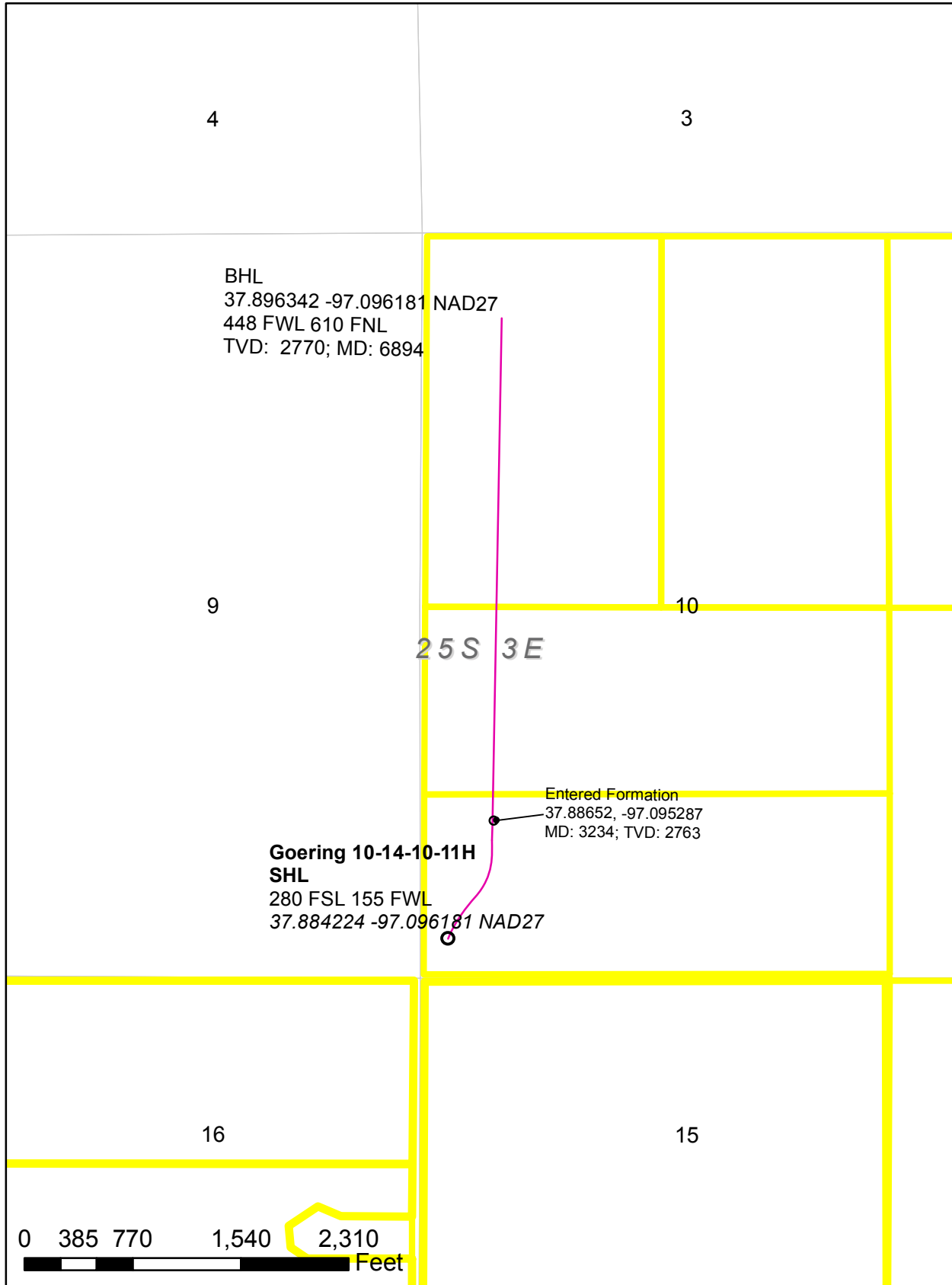
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Source Energy MidCon, LLC Horiz Completion (NAD27) Goering 10-14-10-11H



9/6/2013



3390000675

CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	SOURCE	State, County	Butler, Kansas	Cement Type	CLASS A
Job Type	LS-H	Section	10	Excess (%)	0%
Customer Acct #	0	TWP	25S	Density	14.5, 15.5
Well No.	GOERING 10-14-10-11-H	RGE	3E	Water Required	0
Mailing Address	0	Formation	0	Yield	1.47, 1.41
City & State	0	Tubing	0	Sacks of Cement	130, 75
Zip Code	0	Drill Pipe	0	Slurry Volume	53 RAN 60
Contact	0	Casing Size	7" 23H	Displacement	137.8
Email	0	Hole Size	0	Displacement PSI	500
Cell	0	Casing Depth	3541.17-43'SJ	MIX PSI	100
Dispatch Location	BARTLESVILLE	Hole Depth	0	Rate	6-Apr
Time:	Description	Rate (bpm)	Volume (bbl)	Pressure	Notes
1:00AM	ARRIVE ON LOC				
10:00AM	SAFTY MTG AND RIG UP				
	PRESSURE TEST TO 3K				
	EST CIRC WITH H2O RUNNING 10BBLs	4	10	100	
	RUN 130 SX OF LEAD CMT	5	34	100	RAN 40
	RUN 75 SX OF TAIL CMT	5	19	100	RAN 20
	RELEASE PLUG AND DISPL	6	137.8	500	
	LAND PLUG			1500	
	NO CMT TO SURF				
	Amount of Cement Left in Casing	0 ft			
Remarks					
NO CMT TO SURF. CMT FIG TO BE APPROX 500' ABOVE KOP. PUTTING IT AT APPROX 1720					
LAND PLUG 1000 PSI OVER RUNNING PRESSURE MAKING IT 1500# WHEN RELEASED FLOWED BACK 758BL AND STOP HOLDING GOOD					
WASH UP AND RIG DOWN LEAVING PC AND MANIFOLD					
THANK YOU					

WET AND DRY SAMPLES TAKEN



Well: Goering 10-14-10-11H
 Location: Sec. 10 - T252S - R3E
 Rig: TBD

Declination Corr.: 4.14 degrees
 Grid Corr.:
 Total Corr.:

Calculation Method: Minimum Curvature
 Proposed Azimuth: 1.2 From True North
 Depth Reference: TBD
 Tie Into: GL 1360*

Minimum Curvature
 Radius of Curvature
 Average Angle

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In Coordinates													
Surface	0	0	0		0	0	0	0					
Surface Casing 9-5/8" Set @ 291' KB	0	0	0		0	0	0	0					
MWD	394	0	65	394	394	0.61	0.58 N	1.25 E	1.38	65.00	0.10	0.10	16.50
MWD	480	0	103	86	480	0.70	0.66 N	1.74 E	1.86	69.24	0.28	-0.12	43.72
Kick Off Point	570	2	33	90	570	1.78	1.72 N	2.70 E	3.20	57.48	1.80	1.98	-77.00
MWD	656	2	31	86	656	4.03	3.95 N	4.10 E	5.69	46.04	0.14	0.12	-2.79
MWD	743	3	35	87	743	6.99	6.87 N	6.01 E	9.12	41.17	1.16	1.15	4.37
Top of Miss at 3836' TVD KB	829	4	37	86	829	11.17	10.98 N	9.02 E	14.21	39.38	1.41	1.40	2.91
MWD	916	5	54	87	916	15.94	15.65 N	14.00 E	21.00	41.80	2.00	1.28	19.77
MWD	1000	5	54	84	999	20.29	19.88 N	19.89 E	28.12	45.00	0.36	-0.36	-0.24
MWD	1096	4	55	86	1096	24.28	23.76 N	25.31 E	34.72	46.81	0.82	-0.81	0.70
ESP Placement 100' Tangent Section	1169	4	57	83	1169	27.60	26.98 N	30.04 E	40.37	48.07	0.39	-0.36	2.29
Top of Liner 3065'	1255	3	60	86	1254	30.54	29.82 N	34.82 E	45.70	49.26	0.52	-0.47	3.72
MWD	1341	4	36	86	1339	34.08	33.29 N	38.42 E	50.83	49.09	1.70	0.23	-27.79
MWD	1427	4	31	86	1425	38.57	37.72 N	41.36 E	55.98	47.64	0.36	-0.12	-5.58
MWD	1514	5	31	87	1512	43.97	43.04 N	44.58 E	61.97	46.00	1.38	1.38	-0.23
MWD	1617	6	44	103	1614	51.80	50.75 N	50.65 E	71.70	44.95	1.94	1.55	12.33
MWD	1708	7	40	91	1705	59.54	58.35 N	57.49 E	81.91	44.57	0.54	0.33	-3.85
MWD	1800	7	40	92	1796	67.95	66.61 N	64.46 E	92.69	44.06	0.33	0.33	0.00
MWD	1890	6	38	90	1886	75.96	74.49 N	70.92 E	102.85	43.59	0.92	-0.89	-2.00
MWD	1981	6	45	91	1976	83.36	81.76 N	77.39 E	112.58	43.43	0.77	0.11	7.14
MWD	2073	8	37	92	2067	91.95	90.20 N	84.61 E	123.67	43.17	1.93	1.63	-8.59
MWD	2163	11	33	90	2156	104.21	102.28 N	92.96 E	138.21	42.26	3.84	3.78	-4.44
MWD	2194	11	33	31	2187	109.29	107.30 N	96.19 E	144.10	41.87	0.25	0.00	-1.29
MWD	2223	12	32	29	2215	114.30	112.24 N	99.29 E	149.85	41.50	3.52	3.45	-3.45
MWD	2254	14	31	31	2245	120.46	118.33 N	102.95 E	156.84	41.02	7.46	7.42	-3.55
MWD	2285	17	30	31	2275	127.72	125.50 N	107.14 E	165.02	40.49	7.42	7.42	-0.97
MWD	2316	19	30	31	2305	136.11	133.79 N	111.95 E	174.45	39.92	8.39	8.39	-0.65
MWD	2346	22	30	30	2333	145.34	142.92 N	117.25 E	184.86	39.37	8.67	8.67	1.00
MWD	2377	25	31	31	2361	156.09	153.53 N	123.57 E	197.09	38.83	10.39	10.32	2.90
MWD	2407	29	32	30	2388	167.77	165.07 N	130.72 E	210.56	38.38	12.11	12.00	3.67
MWD	2438	32	34	31	2415	181.11	178.23 N	139.25 E	226.18	38.00	11.14	10.97	3.87
MWD	2469	35	33	31	2440	195.59	192.52 N	148.81 E	243.21	37.87	8.75	8.71	-1.81
MWD	2500	38	31	31	2465	211.39	208.12 N	158.32 E	261.49	37.26	10.77	10.00	-6.77
MWD	2530	41	30	30	2489	227.98	224.51 N	168.01 E	280.41	36.81	10.08	10.00	-2.00
MWD	2562	43	29	32	2512	246.86	243.17 N	178.59 E	301.70	36.29	8.13	7.50	-4.69
MWD	2593	45	26	31	2535	266.32	262.43 N	188.51 E	323.12	35.89	9.57	6.77	-9.68
MWD	2624	48	23	31	2556	287.03	282.95 N	197.72 E	345.19	34.95	10.54	7.42	-10.32
MWD	2655	51	22	31	2576	308.91	304.65 N	205.80 E	368.10	34.14	9.51	9.35	-2.26
MWD	2685	54	21	30	2595	331.14	326.70 N	215.26 E	391.24	33.38	10.60	10.33	-3.00
MWD	2714	57	20	29	2611	353.63	349.02 N	223.82 E	414.52	32.85	11.33	11.03	-3.10
MWD	2745	61	19	31	2627	378.76	373.97 N	232.50 E	440.36	31.87	11.94	11.61	-3.23
MWD	2776	63	17	31	2642	404.92	399.96 N	240.96 E	466.94	31.07	10.56	8.71	-6.77
MWD	2819	67	15	43	2660	442.69	437.51 N	251.68 E	504.74	29.91	10.73	9.77	-4.88
MWD	2862	69	15	43	2678	481.49	476.11 N	261.95 E	543.41	28.82	3.95	3.95	0.00
MWD	2906	69	15	44	2691	521.46	515.87 N	272.38 E	583.96	27.83	0.85	0.00	-0.91
MWD	2949	69	12	43	2707	560.75	554.97 N	281.48 E	622.28	26.89	6.09	-0.23	-8.51
MWD	2992	72	9	43	2721	600.79	594.87 N	288.80 E	661.27	25.90	9.56	7.67	-6.05
MWD	3036	76	6	44	2733	642.86	636.84 N	294.46 E	701.82	24.81	10.96	9.09	-6.36
MWD	3079	80.6	4.1	43	2741.50	684.88	678.78 N	298.27 E	741.42	23.72	11.19	10.00	-5.12
MWD	3122	81.3	3.6	43	2748.26	727.30	721.15 N	301.12 E	781.49	22.66	1.99	1.63	-1.16
MWD	3165	80.8	3.3	43	2754.95	769.74	763.55 N	303.68 E	821.72	21.69	1.35	-1.16	-0.70
MWD	3208	83.9	2.6	43	2760.67	812.33	806.10 N	305.87 E	862.18	20.78	7.39	7.21	-1.83
MWD	3252	85.7	2.6	44	2764.66	856.13	849.87 N	307.86 E	903.92	19.91	4.09	4.09	0.00
MWD	3295	86.5	2.4	43	2767.59	899.02	892.73 N	309.73 E	944.94	19.13	1.92	1.86	-0.47
MWD	3382	87.9	1.9	87	2771.84	985.91	979.57 N	312.99 E	1,028.35	17.72	1.71	1.61	-0.57
MWD	3425	88.7	1.3	43	2773.11	1,028.89	1,022.53 N	314.19 E	1,069.71	17.08	2.33	1.88	-1.40
MWD	3468	88.7	1.0	43	2774.09	1,071.87	1,065.51 N	315.05 E	1,111.11	16.47	0.70	0.00	-0.70
Intermediate Casing 7" Set @ 3522' KB	3,504	88.6	1.0	36	2,774.94	1,107.86	1,101.49 N	315.68 E	1,145.84	15.99	0.28	-0.28	0.00
MWD	3,644	90.8	1.7	140	2,775.67	1,247.85	1,241.44 N	318.98 E	1,281.77	14.41	1.65	1.57	0.50
MWD	3,735	91.0	1.2	91	2,774.24	1,338.84	1,332.40 N	321.28 E	1,370.59	13.56	0.59	0.22	-0.55
MWD	3,826	89.1	2.0	91	2,774.16	1,429.83	1,423.36 N	323.82 E	1,459.73	12.82	2.27	-2.09	0.88
MWD	3,917	89.8	1.5	91	2,775.03	1,520.82	1,514.32 N	326.60 E	1,549.13	12.17	0.95	0.77	-0.55
MWD	4,007	90.0	0.6	90	2,775.19	1,610.82	1,604.30 N	328.25 E	1,637.54	11.56	1.02	0.22	-1.00
MWD	4,097	90.2	358.5	90	2,775.03	1,700.78	1,694.28 N	327.54 E	1,725.66	10.94	2.34	0.22	397.67
MWD	4,186	89.9	357.8	89	2,774.96	1,789.65	1,783.24 N	324.67 E	1,812.56	10.32	0.86	-0.34	-0.79
MWD	4,278	90.5	359.2	92	2,774.63	1,881.55	1,875.21 N	322.26 E	1,902.70	9.75	1.66	0.65	1.52
MWD	4,338	91.3	0.1	60	2,773.69	1,941.52	1,935.20 N	321.89 E	1,961.79	9.44	2.01	1.33	-598.50
MWD	4,368	90.2	0.5	30	2,773.30	1,971.51	1,965.20 N	322.05 E	1,981.41	9.31	3.90	-3.67	1.33

dl	rf	N	E	O	O
0.4	1.000004	0.581233	1.246458		65
0.244642	1.000006	0.658986	1.73825	69.23784	
1.618466	1.000006	1.723445	2.701193	57.46086	
0.123962	1.000006	3.948598	4.095174	46.04395	
1.011014	1.000026	6.868133	6.006609	41.17171	
1.208841	1.000037	10.98445	9.016028	39.37913	
1.740963	1.000077	15.65281	13.99519	41.79992	
0.300495	1.000002	19.88203	19.88142	44.99913	
0.701537	1.000012	23.75902	25.31204	46.81271	
0.327268	1.000003	26.9794	30.03542	48.06814	
0.447479	1.000005	29.82295	34.62359	49.26011	
1.4617	1.000054	33.28642	38.4171	49.09278	
0.313476	1.000002	37.71617	41.36399	47.64107	
1.200083	1.000037	43.04311	44.57555	46.002	
2.001136	1.000102	50.74671	50.65394	44.94758	
0.494426	1.000006	58.35084	57.47901	44.56875	
0.3	1.000002	66.6101	64.45862	44.05958	
0.825446					



Well: Goering 10-14-10-11H
 Location: Sec. 10 - T252S - R3E
 Rig: TBD

Declination Corr.: 4.14 degrees
 Grid Corr.:
 Total Corr.:

Calculation Method Minimum Curvature
 Proposed Azimuth 1.2 From True North
 Depth Reference TBD
 Tie Into: GL 1360*

Minimum Curvature
 Radius of Curvature
 Average Angle

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')		
MWD	4,398	86.9	359.0	30	2,774.06	2,001.49	1,995.18	N	321.92	E	2,020.99	9.17	12.08	-11.00	1195.00
MWD	4,428	84.8	358.2	30	2,778.23	2,031.37	2,025.09	N	321.19	E	2,050.40	9.01	7.49	-7.00	-2.87
MWD	4,459	85.0	359.0	31	2,778.99	2,062.22	2,055.95	N	320.44	E	2,080.78	8.86	2.65	0.65	2.58
MWD	4,489	85.8	0.1	30	2,781.39	2,092.11	2,085.86	N	320.20	E	2,110.30	8.73	4.52	2.67	-1196.33
MWD	4,520	85.4	1.7	31	2,783.77	2,123.02	2,116.77	N	320.69	E	2,140.92	8.61	5.31	-1.29	5.16
MWD	4,550	86.5	3.3	30	2,785.89	2,152.93	2,146.66	N	321.99	E	2,170.67	8.53	6.46	3.67	5.33
MWD	4,581	87.8	4.0	31	2,787.43	2,183.87	2,177.56	N	323.96	E	2,201.53	8.46	4.76	4.19	2.26
MWD	4,610	88.9	3.8	29	2,788.26	2,212.82	2,206.48	N	325.94	E	2,230.42	8.40	3.88	3.79	-0.69
MWD	4,640	89.1	4.0	30	2,788.79	2,242.78	2,236.40	N	327.98	E	2,260.33	8.34	0.94	0.67	0.67
MWD	4,670	89.5	3.6	30	2,789.15	2,272.75	2,266.34	N	329.96	E	2,290.23	8.28	1.89	1.33	-1.33
MWD	4,700	89.7	4.3	30	2,789.36	2,302.71	2,296.26	N	332.03	E	2,320.14	8.23	2.43	0.67	2.33
MWD	4,731	90.0	4.1	31	2,789.45	2,333.67	2,327.16	N	334.30	E	2,351.07	8.17	1.16	0.97	-0.65
MWD	4,762	90.2	3.6	31	2,789.39	2,364.64	2,358.11	N	336.38	E	2,381.98	8.12	1.74	0.65	-1.61
MWD	4,792	90.7	3.6	30	2,789.16	2,394.61	2,388.05	N	338.27	E	2,411.89	8.06	1.87	1.87	0.00
MWD	4,823	90.0	3.4	31	2,788.97	2,425.58	2,418.99	N	340.16	E	2,442.79	8.00	2.35	-2.26	-0.65
MWD	4,853	91.3	4.0	30	2,788.63	2,455.55	2,448.93	N	342.09	E	2,472.70	7.95	4.77	4.33	2.00
MWD	4,884	92.2	3.4	31	2,787.68	2,486.51	2,479.85	N	344.09	E	2,503.61	7.90	3.49	2.90	-1.94
MWD	4,914	91.5	3.6	30	2,788.71	2,516.47	2,509.78	N	345.92	E	2,533.50	7.85	2.43	-2.33	0.67
MWD	4,944	90.8	3.1	30	2,786.11	2,546.44	2,539.72	N	347.68	E	2,563.40	7.80	2.87	-2.33	-1.67
MWD	4,974	90.9	3.3	30	2,785.66	2,576.42	2,569.67	N	349.35	E	2,593.31	7.74	0.75	0.33	0.67
MWD	5,005	88.8	3.3	31	2,785.75	2,607.40	2,600.61	N	351.14	E	2,624.21	7.69	6.77	-6.77	0.00
MWD	5,034	86.8	2.6	29	2,786.86	2,636.36	2,629.55	N	352.83	E	2,653.09	7.64	7.31	-6.90	-2.41
MWD	5,065	85.7	2.6	31	2,788.89	2,667.28	2,660.45	N	354.03	E	2,683.91	7.58	3.55	-3.55	0.00
MWD	5,096	85.6	2.6	31	2,791.24	2,698.19	2,691.33	N	355.43	E	2,714.70	7.52	0.32	-0.32	0.00
MWD	5,127	85.9	2.7	31	2,793.53	2,729.09	2,722.21	N	356.86	E	2,745.51	7.47	1.02	0.97	0.32
MWD	5,157	86.2	2.7	30	2,795.60	2,759.01	2,752.11	N	358.27	E	2,775.33	7.42	1.00	1.00	0.00
MWD	5,187	86.5	2.7	30	2,797.51	2,788.94	2,782.02	N	359.68	E	2,805.17	7.37	1.00	1.00	0.00
MWD	5,217	86.5	2.7	30	2,799.34	2,818.87	2,811.93	N	361.09	E	2,835.02	7.32	0.00	0.00	0.00
MWD	5,248	86.6	1.7	31	2,801.21	2,849.81	2,842.85	N	362.28	E	2,865.84	7.26	3.24	0.32	-3.23
MWD	5,278	86.8	1.9	30	2,802.93	2,879.78	2,872.78	N	363.22	E	2,895.65	7.21	0.94	0.67	0.67
MWD	5,308	88.3	1.3	30	2,804.22	2,909.73	2,902.74	N	364.06	E	2,925.48	7.15	5.38	5.00	-2.00
MWD	5,338	89.1	1.9	30	2,804.90	2,939.72	2,932.72	N	364.89	E	2,955.34	7.09	3.33	2.67	2.00
MWD	5,369	89.4	2.0	31	2,805.30	2,970.72	2,963.70	N	365.95	E	2,986.21	7.04	1.02	0.97	0.32
MWD	5,412	88.7	1.7	43	2,805.64	3,013.71	3,006.68	N	367.34	E	3,029.03	6.97	0.99	0.70	-0.70
MWD	5,456	90.1	1.5	44	2,805.72	3,057.71	3,050.66	N	368.57	E	3,072.84	6.89	1.02	0.91	-0.45
MWD	5,499	90.5	1.5	43	2,805.49	3,100.71	3,093.65	N	369.69	E	3,115.68	6.81	0.93	0.93	0.00
MWD	5,542	88.3	0.1	43	2,805.94	3,143.70	3,136.64	N	370.29	E	3,158.42	6.73	6.06	-5.12	-3.26
MWD	5,586	88.3	0.3	44	2,807.25	3,187.68	3,180.62	N	370.45	E	3,202.12	6.64	0.45	0.00	0.45
MWD	5,629	88.5	0.1	43	2,808.45	3,230.65	3,223.60	N	370.60	E	3,244.83	6.56	0.66	0.47	-0.47
MWD	5,672	89.3	359.7	43	2,809.27	3,273.63	3,266.59	N	370.52	E	3,287.54	6.47	2.08	1.88	838.28
MWD	5,716	89.3	359.2	44	2,809.81	3,317.61	3,310.58	N	370.10	E	3,331.21	6.38	1.14	0.00	-1.14
MWD	5,759	89.1	358.3	43	2,810.41	3,360.57	3,353.57	N	369.16	E	3,373.83	6.28	2.14	-0.47	-2.09
MWD	5,802	91.1	359.0	43	2,810.34	3,403.52	3,396.56	N	368.15	E	3,416.45	6.19	4.93	4.65	1.63
MWD	5,845	92.1	359.4	43	2,809.14	3,446.48	3,439.53	N	367.55	E	3,459.12	6.10	2.50	2.33	0.93
MWD	5,889	92.2	358.9	44	2,807.49	3,490.42	3,483.50	N	366.90	E	3,502.77	6.01	1.16	0.23	-1.14
MWD	5,932	92.1	359.4	43	2,805.87	3,533.36	3,526.46	N	366.26	E	3,545.43	5.93	1.19	-0.23	1.16
MWD	5,975	92.2	359.0	43	2,804.26	3,576.30	3,569.43	N	365.66	E	3,588.11	5.85	0.96	0.23	-0.93
MWD	6,018	92.2	358.9	43	2,802.61	3,619.24	3,612.39	N	364.87	E	3,630.77	5.77	0.23	0.00	-0.23
MWD	6,060	92.3	357.6	42	2,800.96	3,661.15	3,654.34	N	363.59	E	3,672.38	5.68	3.10	0.24	-3.10
MWD	6,103	92.4	357.8	43	2,799.20	3,704.03	3,697.26	N	361.79	E	3,714.92	5.59	0.23	0.23	0.00
MWD	6,147	92.5	357.5	44	2,797.32	3,747.90	3,741.18	N	359.91	E	3,758.45	5.50	0.32	0.23	-0.23
MWD	6,190	92.9	356.4	43	2,795.29	3,790.73	3,784.07	N	357.63	E	3,800.93	5.40	2.72	0.93	-2.58
MWD	6,234	93.3	356.9	44	2,792.91	3,834.53	3,827.93	N	355.06	E	3,844.36	5.30	1.45	0.91	1.14
MWD	6,277	93.3	357.1	43	2,790.44	3,877.34	3,870.80	N	352.81	E	3,888.65	5.21	0.46	0.00	0.47
MWD	6,320	93.8	358.0	43	2,787.77	3,920.17	3,913.68	N	350.98	E	3,929.39	5.12	2.39	1.16	2.09
MWD	6,363	93.1	358.6	43	2,785.19	3,963.06	3,956.59	N	350.08	E	3,972.05	5.06	4.06	-1.83	3.72
MWD	6,407	93.8	359.0	44	2,782.54	4,006.95	4,000.51	N	349.54	E	4,015.75	4.99	2.09	1.59	-1.36
MWD	6,428	93.7	358.9	21	2,781.16	4,027.89	4,021.48	N	349.18	E	4,036.59	4.96	0.67	-0.48	-0.48
MWD	6,459	93.7	358.7	31	2,779.16	4,058.80	4,052.39	N	348.51	E	4,067.35	4.92	0.64	0.00	-0.65
MWD	6,489	92.2	358.2	30	2,777.62	4,088.72	4,082.34	N	347.70	E	4,097.12	4.87	5.27	-5.00	-1.67
MWD	6,519	91.3	357.6	30	2,776.70	4,118.66	4,112.30	N	346.60	E	4,126.88	4.82	3.61	-3.00	-2.00
MWD	6,549	90.0	357.5	30	2,776.38	4,148.60	4,142.27	N	345.32	E	4,156.64	4.77	4.35	-4.33	-0.33
MWD	6,579	90.1	357.6	30	2,776.34	4,178.53	4,172.24	N	344.04	E	4,186.40	4.71	0.47	0.33	0.33
MWD	6,622	90.7	357.5	43	2,776.04	4,221.45	4,215.20	N	342.20	E	4,229.07	4.64	1.41	1.40	-0.23
MWD	6,665	91.2	357.5	43	2,775.32	4,264.35	4,258.16	N	340.32	E	4,271.73	4.57	1.16	1.16	0.00
MWD	6,706	91.5	357.8	41	2,774.36	4,305.26	4,299.11	N	338.57	E	4,312.42	4.50	0.77	0.73	0.24
MWD	6,750	91.9	357.6	44	2,773.05	4,349.15	4,343.05	N	336.73	E	4,356.08	4.43	0.91	0.91	0.00
Total Depth	6,793	92.2	357.1	43	2,771.51	4,392.02	4,385.98	N	334.74	E	4,398.73	4.36	1.36	0.70	-1.16
MWD	6,836	92.8	357.3	43	2,769.64	4,434.88	4,428.88	N	332.64	E	4,441.36	4.30	1.47	1.40	0.47

3.624629	1.000334	1995.181	321.9214	9.165648
2.246459	1.000128	2025.092	321.1907	9.012354
0.821548	1.000017	2055.96	320.4363	8.858694
1.357276	1.000047	2085.861	320.2016	8.727374
1.644664	1.000069	2116.765	320.687	8.614722
1.938337	1.000095	2146.66	321.9925	8.530595
1.476065	1.000055	2177.558	323.9636	8.462043
1.118019	1.000032	2206.479	325.9352	8.402815
0.282821	1.000002	2236.405	327.9754	8.343123
0.565664	1.000008	2266.336	329.9634	8.283679
0.727994	1.000013	2296.264	332.0299	8.227696
0.360555	1.000003	2327.181	334.3003	8.174635
0.538516	1.000007	2358.111	336.3818	8.118407
0.5	1.000006	2388.05	338.2654	8.062265
0.72801	1.000013	2418.992	340.1579	8.004431
1.431761	1.000052	2448.927	342.0936	7.952261
1.081507	1.			



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 43168

LOCATION 180

FOREMAN Larry Storm

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

API-15-015-23788

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-31-13	7698	Goering 10-14-10-11H	10	253	3E	Butler
CUSTOMER <u>Surface Energy M/D Jones LLC</u>			TRUCK #		DRIVER	
MAILING ADDRESS <u>1805 Shea Center Dr Ste 100</u>			446		Josh	
CITY <u>Highlands Ranch Co</u>			502		Zev	
STATE <u>CO</u>			539		LARRY	
ZIP CODE <u>80129</u>						

JOB TYPE Surface B HOLE SIZE 12 1/4 HOLE DEPTH 320 CASING SIZE & WEIGHT 9 5/8 36 lb
 CASING DEPTH 315 DRILL PIPE TUBING OTHER Plug 315
 SLURRY WEIGHT 15.0 SLURRY VOL 31.5 WATER gal/sk 6.46 CEMENT LEFT IN CASING 20%
 DISPLACEMENT 24.36 DISPLACEMENT, PSI MIX PSI RATE 5.25

REMARKS: Broke Circulation - MRB 130 sks A + 3% CAC 2 + 3% Gel + 3% 16 Poly-Flake - Displaced plug with 24.35 bbls - Circulated Cement to surface. Circulated around with 8 bbl displaced.

WELL NAME Goering 10-14-10-11H
 Well/AFE# 100-620
 GLACCT 850-100 AMT \$ 5338.00 Calc 9/19/13
 EXCELLENT GOOD FAIR POOR
 DESCRIPTION Cement 9 5/8 Surface Csg.

SIGNATURE [Signature] DATE 8/31/13 9/17/13

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE <u>Date Baugh</u>		
5406	10	MILEAGE		
11045	130	5/8 sks A		
1102	390	1/2 CAC 2		
1118B	260	1/2 Gel		
1107	50	1/2 Poly-Flake		
1107	1	Bulk Wellbore		
1133	1	9 5/8 TW Plug		
1107	1	9 5/8 Guide Shoe		
1135	1	9 5/8 AFU Insert		
4133	5	9 5/8 Cmt.		
4311	1	9 5/8 Stop Plug		
Subtotal				
			<u>6.46</u>	
			SALES TAX	
			ESTIMATED	
			TOTAL	

PRICING
REDACTED

Revin 3737

AUTHORIZATION [Signature]

TITLE Date Baugh

DATE 261950

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.