

1144939

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <div style="display: flex; justify-content: space-between;"> Name Top Datum </div>
---	---

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Franklin County, KS
 Well: Lowe 6
 Lease Owner: Lowe's Arena, LLC

Town Oilfield Service, Inc.
 (913) 837-8400

Commenced Spudding:
 5-22-2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-9	Soil & Clay	9
1	Lime	10
5	Clay	15
19	Lime	34
6	Shale	40
11	Lime	51
5	Shale	56
18	Lime	74
39	Shale	113
23	Lime	136
71	Shale	207
22	Lime	229
26	Shale	255
6	Lime	261
25	Shale	286
7	Lime	293
26	Shale	319
23	Lime	342
8	Shale	350
23	Lime	373
4	Shale	377
4	Lime	381
3	Shale	384
6	Lime	390
46	Shale	436
10	Sand	446
27	Sandy Shale	473
29	Shale	502
3	Sand	505
4	Sand	509
27	Shale	536
1	Lime	537
8	Shale	545
7	Lime	552
8	Shale	560
9	Sand	569
21	Shale	590
8	Lime	598
13	Shale	611
3	Lime	614

Franklin County, KS

Well: Lowe 6

Lease Owner: Lowe's Arena, LLC

Town Oilfield Service, Inc.

(913) 837-8400

Commenced Spudding:

5-22-2013

[illegible]

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004

BPH - barrels per hour

PSI - pounds square inch

TO FIGURE PUMP DRIVES

* D - Diameter of Pump Sheave

* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

*C - Shaft Center Distance

D - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times D$

R - $RPM \times D$ over $SPM \times d$

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

Log Book

Well No. 6

Farm Lowe

KS
(State)

Franklin
(County)

17
(Section)

16
(Township)

21
(Range)

For Lowe's Arena, LLC
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

2" Set _____ 2" Pulled _____

-1-

Thickness of Strata	Formation	Total Depth	Remarks
0-4	Sand-clay	4	
1	Lime	10	
5	clay	15	
19	Lime	34	
6	Shale	40	
11	Lime	51	
5	Shale	56	
18	Lime	74	
39	Shale	113	Some sand
23	Lime	136	
71 89	Shale 207 286	207	some sand
22	Lime	229	
26	Shale	255	
6	Lime	261	
25	Shale	286	
7	Lime	293	
26	Shale	319	
23	Lime	342	
8	Shale	350	
23	Lime	373	
4	Shale	377	
4	Lime	381	
3	Shale	384	
6	Lime	390	Hertha
46	Shale	436	
10	Sand	446	no oil
27	Sandy shale	473	

473

Thickness of Strata	Formation	Total Depth	Remarks
29	shale	502	
3	sand	505	no oil
4	sand	509	broken - slight show
27	shale	536	
1	lime	537	
8	shale	545	
7	lime	552	
8	shale	560	
9	sand	569	odor - no show
21	shale	590	
8	lime	598	
13	shale	611	
3	lime	614	
11	shale	625	
7	lime	632	
3	shale	635	
3	lime	638	
17	shale	655	
2	shale & lime	657	
3	shale	660	
1	sandy shale	661	
1	sand	662	no oil
8	sand	670	broken - good oil
25	sandy shale	695	
22	shale	717	
6	sand	723	no oil
37	shale	760	TD



CONSOLIDATED
Oil Well Services, LLC

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

FIELD TICKET & TREATMENT REPORT CEMENT

TICKET NUMBER 41935

LOCATION *Off road*

FOREMAN Alan Mader

620-431-9210 or 800-467-8676		CEMENT					
DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
5-23-13	7823	Lowie # 6	SW 17	16	21	ER	
CUSTOMER							
TOWN O.I. COMPANY			TRUCK #	DRIVER	TRUCK #	DRIVER	
MAILING ADDRESS			516	Ala Mad			
16205 W 287			368	ARM			
CITY	STATE	ZIP CODE	675	Kei Det			
Paola	KS	66071	558	W. Mat			

14014 12 3 5/8

JOB TYPE	long string	HOLE SIZE	3 5/8	HOLE DEPTH	760	CASING SIZE & WEIGHT	2 1/8
CASING DEPTH	602-77	DRILL PIPE		TUBING		OTHER	697 waffle
SLURRY WEIGHT		SLURRY VOL		WATER gal/sk		CEMENT LEFT in CASING	yes
DISPLACEMENT	4	DISPLACEMENT PSI	800	MIX PSI	200	RATE	4 bpm

REMARKS: Well meeting hooked to casing. Established rate.
Mixed & pumped 100% gel followed by 90 SK 50/50
cement plus 2% gel. Circulated cement. Flushed
pump funnel plus to baffle. Well held 800 PSI.
Set float. Closed valve.

TDS WRS

Alex. Moore

[illegible]

Completed

Revln 3737

AUTHORIZATION

NO COMPANY REP
Jim DKR

TITLE

DATE _____

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.