KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1132764

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4567
Name: D. E. Exploration, Inc.
Address 1: PO BOX 128
Address 2:
City: WELLSVILLE State: KS Zip: 66092 + 0128
Contact Person: PHIL FRICK
Phone: (785) 883-4057
CONTRACTOR: License # 33715
Name: Town Oilfield Service
Wellsite Geologist: NONE
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [ ] D&A
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

02/15/2013	02/18/2013	02/18/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-091-24068-00-00
Spot Description:
NE - NW - NE - SE Sec. 1 Twp. 15 S. R. 21 [x] East [ ] West
2570 Feet from [ ] North / [x] South Line of Section
910 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Johnson
Lease Name: Thompson Well #: I-14
Field Name:
Producing Formation: BARTLESVILLE
Elevation: Ground: 994 Kelly Bushing: 994
Total Depth: 940 Plug Back Total Depth: 877
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 909
feet depth to: 0 w/ 118 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 30 bbls
Dewatering method used: Evaporated
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

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [x] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 04/12/2013

Side Two

[redacted] 1132764

Operator Name: D. E. Exploration, Inc. Lease Name: Thompson Well #: I-14

Sec. 1 Twp. 15 S. R. 21 ☑ East ☐ West County: Johnson

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

GAMMA RAY/NEUTRON/CCL

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
BARTLESVILLE	822	+172

CASING RECORD ☐ New ☑ 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
SURFACE	9.875	7	17	20	PORTLAND	3	NA
PRODUCTION	5.625	2.875	6.5	909	50/50 POZ	118	SEE TICKET

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 *(Amount and Kind of Material Used)*	Depth
3	822-828 - 19 PERFS - 2" DML RTG		

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Johnson County, KS
Well: Thompson I-14
Lease Owner: DE Exploration

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

Commenced Spudding:
2/15/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-10	Soil-Clay	10
22	Lime	32
7	Shale	39
9	Lime	48
6	Shale	54
18	Lime	72
14	Shale	86
10	Sand	96
4	Sandy Shale	100
26	Lime	126
35	Shale	161
12	Lime	173
19	Shale	192
7	Lime	199
7	Shale	206
10	Lime	216
14	Shale	230
6	Shale	236
6	Lime	242
4	Shale	246
8	Lime	254
32	Shale	286
2	Lime	288
10	Shale	298
24	Lime	322
7	Shale	329
23	Lime	352
4	Shale	356
4	Lime	360
3	Shale	363
7	Lime	370
15	Shale	385
35	Sandy Shale	420
121	Shale	541
5	Lime	546
4	Shale	550
2	Lime	552
1	Shale	553
2	Lime	555
8	Shale	563

Johnson County, KS
Well: Thompson I-14
Lease Owner: DE Exploration

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

Commenced Spudding:
2/15/2013

6	Lime	569
5	Sandy Shale	574
10	Shale	584
3	Lime	587
11	Shale	598
5	Lime	603
20	Shale	623
1	Lime	624
74	Shale	698
10	Sand	708
4	Sandy Shale	712
17	Shale	729
8	Shale	737
3	Sandy Shale	740
13	Sandy Shale	753
16	Sandy Shale	769
53	Shale	822
1	Sandy Lime	823
2	Sand	825
3	Sand	828
7	Sandy Shale	835
105	Shale	940-TD

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh

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 - RPMxd over SPMxR

d - SPMxRxD over RPM

SPM - RPMXD over RxD

R - RPMXD over SPMxD

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. I-14

Farm Thompson

KS (State) Johnson (County)

1 (Section) 15 (Township) 21 (Range)

For D.E. Exploration (Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thompson Farm: Johnson County

KS State; Well No. I-14

Elevation -914

Commenced Spuding Feb 15 20 13

Finished Drilling Feb 15 20 13

Driller's Name Wesley Dallard

Driller's Name

Driller's Name

Tool Dresser's Name Greg Perry

Tool Dresser's Name Ryan Ward

Tool Dresser's Name

Contractor's Name TOS

1 15 31

(Section) (Township) (Range)

Distance from S line, 2520 ft.

Distance from E line, 910 ft.

3 inches

4 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
6¼" Set	20	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
877.	35	Bottle			
906.	95	Float			
				2	7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-10	soil - clay	10	
22	Lime	32	
7	Shale	39	
9	Lime	48	
6	Shale	54	
18	Lime	72	
14	Shale - redbed	86	
10	Sand	96	no 0.1
4	Sandy shale	100	
26	Lime	126	
35	Shale	161	water
12	Lime	173	
19	Shale	192	
7	Lime	199	
7	Shale	206	
10	Lime	216	
14	Shale	230	
6	green shale & lime	236	
6	Lime	242	
4	Shale	246	
8	Lime	254	
32	Shale	286	
2	Lime	288	
10	Shale	298	
24	Lime	322	
7	Shale	329	
23	Lime	352	

552

Thickness of Strata	Formation	Total Depth	Remarks
4	Shale	356	
4	Lime	360	
3	Shale	363	
7	Lime	370	Hertha
15	Shale	385	
35	Sandy shale	420	
121	Shale	541	
5	Lime	546	
4	Shale	550	
2	Lime	552	
1	Shale	553	
2	Lime	555	
8	Shale	563	
6	Lime	569	
5	Sandy shale	574	
10	Shale	584	
3	Lime	587	
11	Shale	598	
5	Lime	603	
20	Shale	623	
1	Lime	624	
74	Shale	698	
10	Sand & sandy shale	708	No Oil
4	Sandy shale	712	
17	Shale	729	
8	Shale & lime	737	
3	Sandy shale	740	

740

Thickness of Strata	Formation	Total Depth	Remarks
13	Sandy shale & lime	753	
16	Sandy shale	769	
53	Shale	822	
1	Sandy lime	823	50% Oil
2	Sand	825	broken 50% Oil
3	Sand	828	Solid Oil - good saturation
7	Sandy shale	835	no Oil
105	Shale	940	TD

CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 256874

Invoice Date: 02/20/2013 Terms: 0/0/30,n/30 Page 1

D.E. EXPLORATION
DOUG EVANS
P.O. BOX 128
WELLSVILLE KS 66092
(785)883-4057

THOMPSON I-14
38848
1-15-22
02-18-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	118.00	10.9500	1292.10
1118B	PREMIUM GEL / BENTONITE	299.00	.2100	62.79
1111	SODIUM CHLORIDE (GRANULA	228.00	.3700	84.36
1110A	KOL SEAL (50# BAG)	590.00	.4600	271.40
4402	2 1/2" RUBBER PLUG	1.00	28.0000	28.00
1401	HE 100 POLYMER	.50	47.2500	23.63

	Description	Hours	Unit Price	Total
369	80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
495	CEMENT PUMP	1.00	1030.00	1030.00
495	EQUIPMENT MILEAGE (ONE WAY)	30.00	4.00	120.00
495	CASING FOOTAGE	908.00	.00	.00
503	MIN. BULK DELIVERY	1.00	350.00	350.00

Parts:	1762.28	Freight:	.00	Tax:	132.61	AR	3574.89
Labor:	.00	Misc:	.00	Total:	3574.89		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

CONSOLIDATED
Oil Well Services, LLC

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

256874

TICKET NUMBER 38848
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/18/13	2355	Thompson # I-14	SE 1	15	22	JO

CUSTOMER: D E Exploration
MAILING ADDRESS: P.O. Box 128
CITY: Wellsville | STATE: KS | ZIP CODE: 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
506	Fre Mad	Safety	MX
495	Har Bec	HB	L
369	Der Mas	DM	
503	Dan Dex	DD	

JOB TYPE Longstring | HOLE SIZE 5 7/8 | HOLE DEPTH 940 | CASING SIZE & WEIGHT 2 7/8 EUE
CASING DEPTH 908' | DRILL PIPE Baffle in TUBING @ 877' | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING
DISPLACEMENT 5.1 BBL | DISPLACEMENT PSI | MIX PSI | RATE 5BPM

REMARKS: Establish pump rate. Mix ½ Gal #E-100 Polymer + Circulate to condition hole. Mix + Pump 100# Gel Flush. Mix + Pump 118 SKS 50/50 Por Mix Cement 2% Gel 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump + lines clean. Displace 2½" rubber plug to baffle in casing. Pressure to 800# PSI Release pressure to set float Valve. Shut in casing. NOTE: open hole was making fluid.- Built mak shift pradden head + Shut in annullus.
TOS Drilling. Wes
Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		1030.00
5406	30mi.	MILEAGE	495		120.00
5402	908	Casing Footage			N/C
5407	Minimum	Ton Miles.	503		350.00
5502C	2hrs	80 BBL Vac Truck	370		180.00
1124	118 SKS	50/50 Por Mix Cement			1298.00
1118B	799#	Premium Gel			62.79
1111	228#	Granulated Salt			84.36
1110A	590#	Kol Seal			271.40
4402	1	2½" Rubber Plug			28.00
1401	½ Gal	~~E~~ HE-100 Polymer			23.63
		7.32%		SALES TAX	132.61
				ESTIMATED TOTAL	3574.89

completed

Ravin 3737

AUTHORIZTION Bryan Miller 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 for