



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1250604  
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
-----------------------------------	-----------------	---

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: \_\_\_\_\_



1250604

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](mailto: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
--	---

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)*

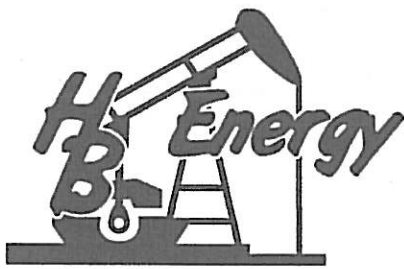
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---



Fueling American Prosperity™

# Oil and Gas Well Drilling

3137 Virginia Rd, Wellsville KS 66092

Owners: Clay Hughes  
Isaac Burbank

Phone: (785) 979-9493  
(913) 963-9127

Fax: (785) 883-2305

## Well Log

DE & TZ LLC

Knabe Well #: I-27

Sec. 31 Twp. 14 Rng. 22

FSL: 2820 FEL: 1020

API: 15-091-24415

Start: 03/17/15

End: 03/18/15

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
11	Soil & Clay	11
2	Clay & Gravel	13
7	Shale	20
5	Lime	25
41	Shale	66
14	Lime	80
2	Shale	82
15	Lime	97
8	Shale	105
7	Lime	112
5	Shale	117
22	Lime	139
21	Shale	160
28	Lime	188
27	Shale	215
6	Lime	221
15	Shale	236
22	Lime	258
13	Shale	271
9	Lime	280
17	Shale	297
9	Lime	306
6	Shale	312
5	Lime	317
33	Shale	350
2	Lime	352
10	Shale	362
8	Lime	370
2	Shale	372
16	Lime	388
7	Shale	395
22	Lime	417
5	Shale	422

Red bed

3	Lime	425	
5	Shale	430	
6	Lime	436	Base of Kansas City / Hertha
25	Shale	461	
2	Silty Shale	463	
10	Broken Sand	473	Grey sand & shale, faint gas odor
2	Silty Shale	475	
135	Shale	610	
5	Lime	615	
4	Shale	619	
4	Lime	623	
1	Coal	624	
4	Shale	628	
6	Lime	634	
2	Shale	636	
4	Silty Shale	640	
12	Shale	652	
3	Lime	655	Oil show
2	Shale	657	
1	Coal	658	
2	Shale	660	
1	Lime	661	
2	Shale	663	
5	Lime	668	
3	Shale	671	
1	Lime	672	
3	Shale	675	
10	Shale	685	Red bed
14	Shale	699	
1	Lime	700	
7	Shale	708	
1	Limey Sand	709	Hard grey sand, no show, no odor
2	Sand	711	Grey, no show, no odor
4	Silty Shale	715	
33	Shale	748	
1	Lime & Shells	749	
10	Shale	759	
1	Lime & Shells	760	
9	Shale	769	
1	Limey Sand	770	
2	Silty Shale	772	
6	Broken Sand	778	Brown sand & grey shale, no show, no odor
3	Silty Shale	781	
18	Shale	799	
4	Lime	803	
28	Shale	831	

3	Silty Shale	834	
28	Shale	862	
1	Lime	863	
2	Shale	865	
1	Coal	866	
25	Shale	891	
1	Broken Sand	892	Lime & black sand, ok bleed
1	Oil Sand	893	Black, good bleed
2	Limey Sand	895	80% lime, 20% black sand, ok bleed
4	Broken Sand	899	75% black sand, 25% soft white limey sand, good bleed
1	Oil Sand	900	Black, good bleed
1	Broken Sand	901	80% black sand, 20% lime, good bleed
3	Sand	904	Brown soft sand, no oil
1	Limey Sand	905	Brown & grey, no oil
1	Silty Shale	906	
9	Shale	915	
3	Silty Shale	918	
77	Shale	995	TD

Drilled an 11" hole to 22.8'  
 Drilled a 5 5/8" hole to 995'

03/17/15 set 22.8' of 7" surface casing, cemented with 6 sacks of cement.

03/18/15 chip sampled Bartlesville zone.

03/18/15 set 980' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 clamp, 1 float-shoe, and baffle.  
 Baffle set at 952'



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

MAIN OFFICE  
 P.O.Box884  
 Chanute,KS 66720  
 620/431-9210,1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 803777

Invoice Date: 03/27/15 Terms: C.O.D. Page 1

D.E. EXPLORATION  
 P.O. BOX 128 KNABE #1-27  
 WELLSVILLE KS 66092  
 USA  
 7858834057

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	10.000	976.50
5406	Mileage Charge	30.000	4.2000	10.000	113.40
5402	Casing Footage	980.000	0.0000	0.000	0.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	10.000	331.20
5502C	80 Vacuum Truck Cement	2.000	100.0000	10.000	180.00
1124	Poz Cement Mix	135.000	11.5000	30.000	1,086.75
1118B	Premium Gel / Bentonite	327.000	0.2200	30.000	50.36
1111	Sodium Chloride (Granulated Salt)	272.000	0.3900	30.000	74.26
1110A	Kol Seal (50# BAG)	675.000	0.4600	30.000	217.35
4402	2 1/2 Rubber Plug	1.000	29.5000	0.000	29.50
1401	HE 100 Polymer	0.500	47.2500	0.000	23.63

Subtotal 3,873.15  
 Discounted Amount 790.21  
 SubTotal After Discount 3,082.94

Amount Due 4,027.59 If paid after 03/27/15

Tax: 109.28  
 Total: 3,192.23



**CONSOLIDATED**  
Oil Well Services, LLC

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

2474  
2413  
INVOICE # 803777

TICKET NUMBER 50895  
LOCATION Ottawa KS  
FOREMAN Fred Maden

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3.18.15	2365	Knabe # J-27	NE 31	14	22	JO
CUSTOMER <u>DE+TZ % DE Exploration</u>			TRUCK #			
MAILING ADDRESS <u>P.O. Box 128</u>			DRIVER			
CITY <u>Wellsville</u>			TRUCK #			
STATE <u>KS</u>			DRIVER			
ZIP CODE <u>66092</u>			TRUCK #			
			DRIVER			

JOB TYPE Logging HOLE SIZE 5 7/8 HOLE DEPTH 993 CASING SIZE & WEIGHT 2 7/8 EUE  
CASING DEPTH 980 DRILL PIPE Baffle in TUBING 954 OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 26' + Plug  
DISPLACEMENT 5.54 BB DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Hold Safety meeting. Establish pump rate. Pump 1/2 gal NE-100 Polymer. Circulate well to condition hole. Mix & Pump 100 # Gal Flush. Mix & Pump 135 SKs 50/50 Por Mix Cement 270 Gal 5% Salt 5# Kal Seal/sk. Cement to surface. Flush pump & lines clean. Displace 2 1/2" Rubber plug to baffle in casing. Pressure to 800 # PSI. Release pressure to set float valve. Shut in casing.

H B Energy

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085.00
5406	30 mi	MILEAGE	495	126.00
5402	980	Casing footage	NK	
5407	Minimum	Ton Miles	804	368.00
5520	2 hrs	80 BBL Vac Truck	675	200.00
		Sub Total		1779.00
		Less 10%		-177.90
				1601.10
1124	135 sks	50/50 Por Mix Cement	1552.50	
115B	327 #	Premium Gel	71.24	
111	272 #	Granulated Salt	106.08	
1110A	675 #	Kal Seal	310.50	
		Material	2041.02	
		Less 30%	-612.31	
4402	1	2 1/2" Rubber Plug		29.50
1401	1/2 Gal	NE 100 Polymer		23.62
			7.375%	109.29
				ESTIMATED TOTAL 3192.23

Ravin 3737

**Completed**

AUTHORIZATION Bryan Miller TITLE \_\_\_\_\_ DATE 4/27/15

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.