



KANSAS CORPORATION COMMISSION 1132598
OIL & GAS CONSERVATION DIVISION

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 # _____

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1132598

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 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
_____ 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: 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
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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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Johnson County, KS
 Well: T.E.A. I-12
 Lease Owner: D.E. Exploration

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

Commenced Spudding:
 2/14/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-34	Soil-Clay	34
22	Lime	56
7	Shale	63
9	Lime	72
5	Shale	77
19	Lime	96
12	Shale	108
9	Sand	117
5	Sandy Shale	122
26	Lime	148
34	Shale	182
12	Lime	194
18	Shale	212
9	Lime	221
6	Shale	227
10	Lime	237
14	Shale	251
6	Shale	257
7	Lime	264
7	Shale	271
4	Lime	275
33	Shale	308
2	Lime	310
9	Shale	319
24	Lime	343
7	Shale	350
23	Lime	373
4	Shale	377
4	Lime	381
3	Shale	384
7	Lime	391
26	Shale	417
26	Sandy Shale	443
120	Shale	563
5	Lime	568
4	Shale	572
2	Lime	574
2	Shale	576
1	Lime	577
8	Shale	585

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times 1.4 \times h$

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. I-12

Farm T.E.A.

KS Johnson
(State) (County)

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

For D.E. Exploration
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East
Louisburg, KS 66053
913-710-5400

T.E.A. Farm: Johnson County

KS State; Well No. I-12

Elevation 991

Commenced Spuding Feb 14 2013

Finished Drilling Feb 15 2013

Driller's Name Wesley Dollard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Greg Perry

Tool Dresser's Name Ryan Wood

Tool Dresser's Name E

Contractor's Name JOS

1 15 21

(Section) (Township) (Range)

Distance from S line, 2650 ft.

Distance from E line, 1750 ft.

8 hrs

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

7 6/8" Set 23 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
<u>879.96</u>		<u>Butt</u>	<u>1/2</u>		
<u>911.28</u>		<u>Plast</u>			

27/13

Thickness of Strata	Formation	Total Depth	Remarks
0-34	soil-clay	34	
22	Lime	56	
7	shale	63	
9	Lime	72	
5	shale	77	
19	Lime	96	
12	shale - red bed	108	
9	sand	117	no Oil
5	sandy shale	122	
26	Lime	148	
34	shale	182	sandy shale in spots
12	Lime	194	
18	shale	212	
9	Lime	221	
6	shale	227	
10	Lime	237	
14	shale	251	
6	green shale & lime	257	
7	Lime	264	
7	shale	271	
4	Lime	275	
33	shale	308	
2	Lime	310	
9	shale	319	
24	Lime	343	
7	shale	350	
23	Lime	373	

373

Thickness of Strata	Formation	Total Depth	Remarks
4	shale	377	
4	lime	381	
3	shale	384	
7	lime	391	Heithay
26	shale	417	
26	sandy shale	443	
120	shale	563	
5	lime	568	
4	shale	572	
2	lime	574	
2	shale	576	
1	lime	577	
8	shale	585	
6	lime	591	
7	sandy shale	598	
9	shale	607	
3	lime	610	
10	shale	620	
6	lime	626	
18	shale	644	
2	lime	646	
1	shale	647	
2	lime	649	
48	shale	697	
2	shale & lime	699	
18	shale	717	
4	sand & sandy shale	721	

721

Thickness of Strata	Formation	Total Depth	Remarks
9	sandy shale	730	
24	shale	754	
8	sandy shale	762	
16	shale	778	
8	sand	786	no Oil
4	sandy shale	790	
54	shale	844	
1	sandy lime	845	broken - good oil
4	sand	849	solid - good saturation
1	sand & sandy shale	850	50-50 - solid oil in sand
16	sandy shale	866	
74	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 # 256873

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

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

TEA I-12
38805
4-15-21
02-15-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	125.00	10.9500	1368.75
1118B	PREMIUM GEL / BENTONITE	310.00	.2100	65.10
1111	SODIUM CHLORIDE (GRANULA	242.00	.3700	89.54
1110A	KOL SEAL (50# BAG)	625.00	.4600	287.50
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
495 CEMENT PUMP	1.00	1030.00	1030.00
495 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.00	120.00
495 CASING FOOTAGE	911.00	.00	.00
548 MIN. BULK DELIVERY	1.00	350.00	350.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00

Parts: 1862.52 Freight: .00 Tax: 140.16 AR 3682.68
 Labor: .00 Misc: .00 Total: 3682.68
 Sublt: .00 Supplies: .00 Change: .00

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

256873

TICKET NUMBER 38805

LOCATION Ottawa KS

FOREMAN Fred Maden

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/15/13	2355	TEA # I-12	NE 4	15	21	DD
CUSTOMER DE Exploration			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 125			506	Fred Maden	Safely	MK
CITY Wellsville	STATE KS	ZIP CODE 66092	495	Kei Car	M.C.	J
			675	Mikita	MH	
			548	bandat	DD	

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 940 CASING SIZE & WEIGHT 27# EUE
 CASING DEPTH 911 DRILL PIPE Baffle in TUBING O 8 80 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31' + Plug
 DISPLACEMENT 5.11 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew mixer. Establish circulation. Mix 1/2 Gal HE-100 Polymer. Circulate well to condition hole. Mix + Pump 100# Gel Flush. Mix + Pump 125 SKS 50/50 Poz Mix Cement 290 Gal 5% Salt 5# Kol Seal/5K. 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.

TOS Drilling - wes

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1930.00
5406	30 mi.	MILEAGE	495	120.00
5402	P 911	Casing footage		N/C
5407	Minimum	Ton Miles	548	350.00
5902C	2 hr	80 BBL Vac Truck	675	150.00
1124	125 SKS	50/50 Poz Mix Cement		1368.75
1118B	310 #	Premium Gel		65.10
1111	242 #	Granulated Salt		895.4
1110A	625 #	Kol Seal		257.50
4802	1	2 1/2" Rubber Plug		2.50
1401	1/2 Gal	HE-100 Polymer		23.63
			7.505%	SALES TAX
				ESTIMATED
				TOTAL

SCANNED

Completed

Ravin 3737

AUTHORIZATION

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 form.