



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1202216
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: _____

1202216

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> _____	PRODUCTION INTERVAL: _____ _____
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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 # 267038

=====
 Invoice Date: 03/31/2014 Terms: 0/30/10,n/30 Page 1

D & Z EXPLORATION
 901 N. ELM ST.
 P.O. BOX 159
 ST. ELMO IL 62458
 (618) 829-3274

MEYERS D-1
 42787
 SE 28-14-22
 03-27-2014
 KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	140.00	11.5000	1610.00
1118B	PREMIUM GEL / BENTONITE	485.00	.2200	106.70
1111	SODIUM CHLORIDE (GRANULA	271.00	.3900	105.69
1110A	KOL SEAL (50# BAG)	700.00	.4600	322.00
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-643.32

Description	Hours	Unit Price	Total
495 CEMENT PUMP	1.00	1085.00	1085.00
495 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
495 CASING FOOTAGE	1161.00	.00	.00
510 MIN. BULK DELIVERY	1.00	368.00	368.00
675 80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00

Amount Due 4113.22 if paid after 04/10/2014

Parts:	2173.89	Freight:	.00	Tax:	112.89	AR	3422.46
Labor:	.00	Misc:	.00	Total:	3422.46		
Sublt:	-643.32	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

267038

TICKET NUMBER 42787

LOCATION Ottawa KS

FOREMAN Fred Mader

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			
3-27-14	3392	Meyers # D-1	SE 28	14	22	JD			
CUSTOMER D & Z Exploration		TRUCK #		DRIVER		TRUCK #		DRIVER	
MAILING ADDRESS 910 N. Elm St		712		Fre Mad					
CITY St Elmo		495		Mar Bec					
STATE IL		675		Kei Dat					
ZIP CODE		510		Set Tuc					

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 1200 CASING SIZE & WEIGHT 2 7/8 F U E
 CASING DEPTH 1161 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING _____
 DISPLACEMENT 6.74 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Hold safety meeting. Establish circulation. Mix + Pump 250 # Gel Flush. Mix + Pump 140 SKS 50/50 Poz Mix Cement 270 Gal 5% Salt 5# Kol Seal/sk. Cement to surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to casing TD. Pressure to 800 # PSI. Hold + Monitor Pressure for 30 min MIT. Release pressure to set float valve. Shot in casing.

For Drilling: Chad Weaver

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1085 ⁰⁰
5406	30 mi	MILEAGE		126 ⁰⁰
5402	1161	Casing footage		0K
5407	Minimum	Ton Miles	510	368 ⁰⁰
5502C	2 hrs	80 BBL Vac Truck	675	200 ⁰⁰
1124	140 SKS	50/50 Poz Mix Cement	1610 ⁰⁰	
118B	485 #	Premium Gd	106 ⁷⁰	
1111	271 #	Granulated Salt	105 ⁶⁹	
1110A	700 #	Kol Seal	322 ⁰⁰	
		Material	2144 ³⁹	
		Less -30%	-643 ³³	
		Total Material		1501 ⁰⁷
4402		2 1/2" Rubber Plug		29 ⁵⁰
		<input checked="" type="checkbox"/> completed	4113 ²²	
			7,375	
		SALES TAX		112 ⁸⁹
		ESTIMATED TOTAL		3422 ⁴⁶

AUTHORIZATION Dan Beckwith 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.

Johnson County, KS
Well: Meyers #D-1
Lease Owner: D and Z Ex

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

Commenced Spudding:
03/25/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
8	soil/clay	8
10	sandstone	18
9	shale	27
4	lime	21
4	shale	35
17	lime	52
9	shale	61
7	lime	68
9	shale	77
24	lime	101
13	shale	114
22	lime	136
11	sandy shale and shale	147
17	lime	164
33	shale	197
12	lime	209
14	shale	223
8	lime	231
21	shale	252
8	lime	260
3	shale	263
7	lime	270
49	shale	319
23	lime	342
10	shale	352
22	lime	374
5	shale	379
4	lime	383
6	shale	389
6	lime	395
109	shale	504
6	sandy shale and shale	510
37	shale	547
5	sand	552
3	sandy shale and shale	555
13	shale	568
4	lime	572
16	shale	588
7	lime	595
15	shale	610

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. #D-1

Farm 116 acres

KS Johnson
(State) (County)

28 14 22
(Section) (Township) (Range)

For D+2 Corporation
(Well Owner)

Town Oilfield Services, Inc.

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

Mayers Farm: Johnson County

KS State; Well No. D-1

Elevation 1014

Commenced Spuding 3/4-25 20 14

Finished Drilling 20

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Cole Holcom

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

28 14 22

(Section) (Township) (Range)

Distance from E line, 85 ft.

Distance from E line, 235 ft.

3-sacks
CASING AND TUBING
RECORD

10" Set _____ 10" Pulled _____
7 7/8" Set 233' 8" Pulled _____
6 1/4" Set _____ 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2" Set 1.162' 2" Pulled _____

1019.18 cement Basket
1200 TD

CASING

Feet

Handwritten notes on a grid, including '1 - Cement', '1 - Casing', and '1 - Basket'.

Thickness of Strata	Formation	Total Depth	Remarks
3	soil/clay	3	
10	sandstone	13	
9	shale	22	
4	lime	26	
4	shale	30	
17	lime	47	
9	shale	56	
7	lime	63	
9	shale	72	
24	lime	96	
13	shale	109	
22	lime	131	
11	congl. sh. & sh.	142	
17	lime	159	
33	shale	192	with some lime secums
12	lime	204	
14	shale	218	
8	lime	226	
21	shale	247	
8	lime	255	
3	shale	258	
7	lime	265	
49	shale	314	
23	lime	337	
10	shale	347	
22	lime	369	
5	shale	374	

Thickness of Strata	Formation	Total Depth	Remarks
		379	
4	Lime	383	
6	shale	389	
6	Lime	395	
109	shale	504	Member
6	sandy shale	510	
37	shale	547	
5	sand	552	
3	sandy shale	555	grey, no oil
13	shale	568	
4	Lime	572	
16	shale	588	
7	Lime	595	
15	shale	610	
3	Lime	613	
6	shale	619	
12	single Lime	631	
42	shale	673	
14	sand	687	
5	sandy shale	692	grey, no oil
46	shale	738	
5	sand	743	
7	sandy shale	750	Broken Brown sand, no oil
109	shale	859	
1	Broken sand	860	25% oil, none
4	sand	864	50% - solid oil, good quality
2	sand	866	white sand, 5%
4	sand	870	50% - solid oil

570

Thickness of Strata	Formation	Total Depth	Remarks
3	Broken sand	573	5% - 10% o.i. Laminated
2	Broken sand	575	no o.i.
7	sandy shale	582	
48	shale	930	
25	sand	955	white + fine, no o.i.
5	sandy shale	960	
49	shale	1009	
8	sand	1017	no o.i.
23	shale	1040	
6	sandy lime	1046	
49	Lime	1139	with some shale seams +
61	Lime	1200	70 sandy lime