



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
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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

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: _____



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 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:

Log Formation (Top), Depth and Datum Sample
Name Top Datum

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

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				

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

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

Johnson County, KS
 Well: Mackey # 10
 Lease Owner: D Z

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

Commenced Spudding:
 5/14/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
8	Soil-Clay	8
11	Sandstone	19
6	Shale	25
17	Sand and Sandy Shale	42
2	Lime	44
17	Shale	51
4	Lime	65
9	Sand and Sandy Shale	74
15	Lime	89
9	Shale	98
8	Lime	106
9	Sandy Shale	115
17	Lime	132
10	Shale	142
8	Sand and Sandy Shale	150
18	Lime	168
9	Sandy Shale	177
58	Lime	235
21	Shale	256
8	Lime	264
20	Shale	284
8	Lime	292
3	Shale	295
9	Lime	304
34	Shale	338
2	Lime	340
11	Shale	351
24	Lime	375
8	Shale	383
24	Lime	407
4	Shale	411
4	Lime	415
6	Shale	421
6	Lime	427
5	Shale	432
6	Sand	438
10	Sandy Shale	448
63	Shale	511
17	Sandy Shale	528
10	Shale	538

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. 10

Farm Mackey

KS Johnson
(State) (County)

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

For GE Exploration
(Well Owner)

Town Oilfield Services, Inc.

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

Mohawk Farm: Johnson County

KS State; Well No. 10

Elevation 1050

Commenced Spuding 5-11 2013

Finished Drilling 5-15 2013

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Greg Perry

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

28 14 22

(Section) (Township) (Range)

Distance from S line, 3250 ft.

Distance from E line, 200 ft.

3 Sacks

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

7 7/8" Set 22' 8" Pulled _____

6 1/4" Set _____ 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set 946.50 2" Pulled _____

883 seat nipple
 91435 Baffle
 950 TD

Thickness of Strata	Formation	Total Depth	Remarks
8	soil/clay	8	
11	sandstone	19	
6	shale	25	
17	sandy shale	42	
2	Lime	44	
17	shale	61	
4	Lime	65	
9	sandy shale	74	
15	Lime	89	
9	shale	98	Dark
8	Lime	106	
9	sandy shale	115	
17	Lime	132	
10	shale	142	
8	sandy shale	150	
18	Lime	168	
9	sandy shale	177	
58	Lime	235	
21	shale	256	
8	Lime	264	
20	shale	284	
8	Lime	292	
3	shale	295	
9	Lime	304	
34	shale	338	
2	Lime	340	
11	shale	351	

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Thickness of Strata	Formation	Total Depth	Remarks
		351	
24	Lime	375	
8	shale	383	
24	lime	407	
4	shale	411	
4	Lime	415	
6	shale	421	
6	Lime	427	Harder
5	shale	432	
6	sand	438	grey, normal
10	sandy shale	448	
63	shale	511	
17	sandy shale	528	
10	shale	538	
10	sandy shale	548	
50	shale	598	
6	Lime	604	
13	shale	617	
7	lime	624	
5	sandy shale	629	
12	shale	641	
3	Lime	644	
6	shale	650	
4	lime	654	
5	shale	659	
2	lime	661	
30	shale	691	red bed - 667
2	lime	693	

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Thickness of Strata	Formation	Total Depth	Remarks
3	shale	696	
2	sand + Lime	698	
12	sand	710	gray, no oil
10	sandy shale	720	
48	shale	768	
4	Broken sand	772	very little oil
10	sandy shale	782	
16	shale	798	
3	Lime	801	
6	shale	807	
5	sand	812	gray, no oil
29	shale	841	
5	sand	846	gray, no oil
4	sand-shale	850	
35	shale	885	
2	sandy lime	887	odor, with some oil, ok bleed;
4	sandy lime	891	with oil sand
5	sand	896	oil sand, good bleeding
9	sandy shale	905	
75	shale	980	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 # 258918

Invoice Date: 05/20/2013 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

MACKEY #10
41846
28-14-22
05-15-2013
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	124.00	11.5000	1426.00
1118B	PREMIUM GEL / BENTONITE	308.00	.2200	67.76
1111	SODIUM CHLORIDE (GRANULA	260.00	.3900	101.40
1110A	KOL SEAL (50# BAG)	620.00	.4600	285.20
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
1401	HE 100 POLYMER	.50	47.2500	23.63

Description	Hours	Unit Price	Total
370 80 BBL VACUUM TRUCK (CEMENT)	2.00	90.00	180.00
510 MIN. BULK DELIVERY	1.00	368.00	368.00
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00
666 CASING FOOTAGE	946.00	.00	.00

Parts:	1933.49	Freight:	.00	Tax:	145.50	AR	3837.99
Labor:	.00	Misc:	.00	Total:	3837.99		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

258918

TICKET NUMBER 41846

LOCATION Offawa, KS

FOREMAN Casper Kennedy

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
5/15/13	2355	Mackey # 10	NE 28	14	22	30

CUSTOMER
DE Exploration

MAILING ADDRESS
PO Box 128

CITY
Wallsville

STATE
KS

ZIP CODE
66092

TRUCK #	DRIVER	TRUCK #	DRIVER
481	Casken		
6666	Gar Moo		
510	Set Tue		
370	Jas Ric		

JOB TYPE Logging HOLE SIZE 5 5/8" HOLE DEPTH 980' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 946 DRILL PIPE _____ TUBING baffle - 914' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 32'
 DISPLACEMENT 5.29 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Polymer, mixed & pumped 100# Premium Gel followed by 15 bbls fresh water, mixed & pumped 124 sks 50/50 Premix cement w/ 2% gel, 5% salt, & 5# Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 5.29 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	30 mi	MILEAGE		126.00
5402	946'	casing footage		
5407	minimum	ton mileage		318.00
5502C	2 hrs	80 UAC		180.00
1124	124 sks	50/50 Premix cement		1426.00
1188	308 #	Premium Gel		67.76
1111	260 #	Salt		101.40
1110A	620 #	Kalseal		285.20
4402	1	2 1/2" rubber plug		29.50
1401	1/2 gal	Polymer		23.63
			7.525%	SALES TAX
				ESTIMATED TOTAL
				145.50
				3837.99

Work completed

Revin 3737

AUTHORIZATION Byron 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.