



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: \_\_\_\_\_



1149127

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 Bbbs.	Gas Mcf	Water Bbbs.	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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Johnson County, KS  
 Well: Mackey I-5  
 Lease Owner: DE Exploration

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

Commenced Spudding:  
 5-16-13

WELL LOG

Thickness of Strata	Formation	Total Depth
7	oil/clay	7
9	sandstone	16
6	shale	22
16	sand and sandyshale	38
19	shale	57
6	lime	63
7	sand and sandyshale	70
15	lime	85
9	shale	94
8	lime	102
9	sandy shale	111
17	lime	128
20	shale	148
17	lime	165
9	sandy shale	174
57	lime	231
21	shale	252
6	lime	258
21	sandy shale	279
9	lime	287
6	shale	293
8	lime	301
33	shale	334
1	lime	335
12	shale	347
24	lime	371
8	shale	379
24	lime	403
4	shale	407
5	lime	412
4	shale	416
8	lime	424
5	shale	429
8	sand	437
8	sandy shale	445
98	shale	534
8	sand	542
55	shale	597
5	lime	602
3	shale	605

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Commenced Spudding:  
5-16-13

3	lime	608
7	shale	615
5	lime	620
5	sand	625
13	shale	638
3	lime	641
8	shale	649
3	lime	652
5	sand	657
3	lime	660
33	shale	693
2	lime	695
8	shale	703
7	sand	710
7	sandy shale	717
50	shale	767
5	broken sand	772
6	sandy shale	778
19	shale	797
2	lime	799
11	shale	810
5	sand	815
35	shale	850
5	sand	855
5	sandy shale	860
22	shale	882
3	broken sand	885
7	shale	892
6	broken sand	898
4	sandy shale	902
26	shale	928
8	sand	936
24	shale	960

# 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 -  $\text{RPM} \times d$  over  $\text{SPM} \times R$

d -  $\text{SPM} \times R \times D$  over RPM

SPM -  $\text{RPM} \times D$  over  $R \times D$

R -  $\text{RPM} \times D$  over  $\text{SPM} \times d$

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

\* Need these to figure belt length

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

746 WATTS equal 1 HP

# Log Book

Well No. 1-5

Farm Mackey

KS Johnson  
(State) (County)

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

For DE Exploration  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Brooke 4-17-12 3:55

Mokey Farm: Johnson County

KS State; Well No. 1-5

Elevation 1047

Commenced Spuding 5-16, 2013

Finished Drilling 5-17, 2013

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Greg Panny

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name JCS

28 14 22

(Section) (Township) (Range)

Distance from S line, 3060 ft.

Distance from E line, 400 ft.

3 sacks  
CASING AND TUBING  
RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
7 7/8" Set 198' 8" Pulled \_\_\_\_\_  
6 1/2" Set \_\_\_\_\_ 6 1/2" Pulled \_\_\_\_\_  
4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
2 7/8" Set 940' 65' 2" Pulled \_\_\_\_\_  
908' 90' Baffle  
960 TD


Thickness of Strata	Formation	Total Depth	Remarks
7	soil/clay	7	
9	sandstone	16	
6	shale	22	
16	sand+sandy shale	38	
19	shale	57	
6	Lime	63	
7	sand+sandy shale	70	
15	Lime	85	
9	shale	94	
8	Lime	102	
9	sandy shale	111	
17	Lime	128	
20	shale	148	
17	Lime	165	
9	sandy shale	174	
57	Lime	231	
21	shale	252	
6	Lime	258	
21	sandy shale	279	
9	Lime	287	
6	shale	293	
8	Lime	301	
33	shale	334	
1	Lime	335	
12	shale	347	
24	Lime	371	
8	shale	379	

Thickness of Strata	Formation	Total Depth	Remarks
		379	
24	Lime	403	
4	shale	407	
5	Lime	412	
4	shale	416	
8	Lime	424	Hard
5	shale	429	
8	sand	437	gray, no oil
8	sandy shale	445	
98	shale	534	
8	sand	542	gray, no oil
55	shale	597	
5	Lime	602	
3	shale	605	
3	Lime	608	
7	shale	615	
5	Lime	620	
5	sand	625	w. th some sandy shale
13	shale	638	
3	Lime	641	
8	shale	649	
3	Lime	652	
5	shale	657	
3	Lime	660	
33	shale	693	665 - red bed
2	Lime	695	
8	shale	703	
7	sand	710	gray, no oil



Thickness of Strata	Formation	Total Depth	Remarks
		710	
7	sandy shale	717	
50	shale	767	
5	Broken sand	772	oily, little oil
6	sandy shale	778	
19	shale	797	
2	Lime	799	
11	shale	810	
5	sand	815	
35	shale	850	
5	sand	855	oily, no oil
5	sandy shale	860	
22	shale	882	
3	Broken sand	885	75% sand - 25% shale
7	shale	892	
6	Broken sand	898	
4	sandy shale	902	
26	shale	928	
8	sand	936	
24	shale	960	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 # 258942

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 I-5  
41854  
28-14-22  
05-17-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	109.00	11.5000	1253.50
1118B	PREMIUM GEL / BENTONITE	283.00	.2200	62.26
1111	SODIUM CHLORIDE (GRANULA	229.00	.3900	89.31
1110A	KOL SEAL (50# BAG)	545.00	.4600	250.70
1401	HE 100 POLYMER	.50	47.2500	23.63
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

  

Description	Hours	Unit Price	Total
369 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	940.00	.00	.00

Parts:	1708.90	Freight:	.00	Tax:	128.61	AR	3596.51
Labor:	.00	Misc:	.00	Total:	3596.51		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_

