



**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 <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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Johnson County, KS  
Well: Mackey 9  
Lease Owner: DE Exploration

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

Commenced Spudding:  
05-17-13

WELL LOG

Thickness of Strata	Formation	Total Depth
6	Soil-Clay	6
11	Sandstone	17
4	Shale	21
14	Sand	35
2	Lime	37
18	Shale	55
5	Lime	60
6	Sand and Sandy Shale	66
16	Lime	82
8	Shale	90
8	Lime	98
9	Sandy Shale	107
18	Lime	125
10	Shale	135
6	Sandy Shale	141
20	Lime	161
8	Sandy Shale	169
58	Lime	227
20	Shale	247
8	Lime	255
19	Shale	274
8	Lime	282
3	Shale	285
9	Lime	294
34	Shale	328
1	Lime	329
12	Shale	341
25	Lime	366
7	Shale	373
24	Lime	347
5	Shale	402
4	Lime	406
4	Shale	410
7	Lime	417
6	Shale	423
6	Sand	429
10	Sandy Shale	439
61	Shale	500
14	Sandy Shale	514
15	Shale	529

Johnson County, KS

Town Oilfield Service, Inc.

Commenced Spudding:

Well: Mackey 9

(913) 837-8400

05-17-13

Lease Owner:DE Exploration

6	Sand	535
53	Shale	588
6	Lime	594
13	Shale	607
8	Lime	615
4	Sandy Shale	619
13	Shale	632
3	Lime	635
8	Shale	643
3	Lime	646
7	Shale	653
2	Lime	655
29	Shale	684
7	Lime	691
4	Shale	695
21	Sandy Shale	716
44	Shale	760
5	Broken Sand	765
8	Sandy Shale	773
17	Shale	790
4	Lime	794
11	Shale	805
5	Sandy Lime	810
29	Shale	839
5	Sand	844
4	Sandy Shale	848
27	Shale	875
4	Broken Sand	879
7	Sandy Shale	886
4	Sand	890
3	Broken Sand	893
6	Sandy Shale	899
3	Broken Sand	902
58	Shale	960-TD

# 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. 9

Farm Mackay

KS Johnson  
(State) (County)

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

For D.E. Exploration  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Mackey Farm: Johnson County

KS State; Well No. 9

Elevation 1041

Commenced Spuding 5-17- 2013

Finished Drilling 5-22 2013

Driller's Name Alvin Weaver

Driller's Name \_\_\_\_\_

Driller's Name \_\_\_\_\_

Tool Dresser's Name Greg Penny

Tool Dresser's Name \_\_\_\_\_

Tool Dresser's Name \_\_\_\_\_

Contractor's Name JOS

28 14 22

(Section) (Township) (Range)

Distance from S line, 3280 ft.

Distance from E line, 600 ft.

4 - Sacks  
**CASING AND TUBING  
 RECORD**

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_  
 7 1/2" Set 228' 8" Pulled \_\_\_\_\_  
 6 1/4" Set \_\_\_\_\_ 6 1/4" Pulled \_\_\_\_\_  
 4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
 2 7/8" Set 93460 2" Pulled \_\_\_\_\_

872, seat nipple  
 903, Baffle  
 960 TD


Thickness of Strata	Formation	Total Depth	Remarks
6	soil / clay	6	
11	sandstone	17	
4	shale	21	
14	sand + sandy shale	35	
2	Lime	37	
18	shale	55	
5	Lime	60	
6	sand + sand, shale	66	
16	Lime	82	
8	shale	90	
8	Lime	98	
9	sandy shale	107	
18	Lime	125	
10	shale	135	
6	sandy shale	141	
20	Lime	161	
8	sandy shale	169	
58	Lime	227	
20	shale	247	
8	Lime	255	
19	shale	274	
8	Lime	282	
3	shale	285	
9	Lime	294	
34	shale	328	
1	Lime	329	
12	shale	341	

Thickness of Strata	Formation	Total Depth	Remarks
		341	
25	Lime	366	
7	shale	373	
24	Lime	397	
5	shale	402	
4	Lime	406	
4	shale	410	
7	Lime	417	Martha
6	shale	423	
6	sand	429	gray, no oil
10	sandy shale	439	
61	shale	500	
14	sandy shale	514	
15	shale	529	
6	sand	535	
53	shale	588	
6	Lime	594	
13	shale	607	
8	Lime	615	
4	sandy shale	619	
13	shale	632	
3	Lime	635	
8	shale	643	
3	Lime	646	
7	shale	653	
2	Lime	655	
29	shale	684	red bed - 660'
7	limest. shale	691	



691

Thickness of Strata	Formation	Total Depth	Remarks
4	shale	695	
21	sandy shale	716	
44	shale	760	
5	Broken sand	765	iron, little oil
8	sandy shale	773	
17	shale	790	
4	Lime	794	
11	shale	805	
5	sandy Lime	810	
29	shale	839	
5	sand	844	
4	sandy shale	848	
27	shale	875	
4	Broken sand	879	75% sand 25% shale
7	sandy shale	886	
4	sand	890	Broken sand
3	Broken sand	893	
6	sandy shale	899	
3	Broken sand	902	
58	shale	960	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 # 259084

Invoice Date: 05/24/2013 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 #9  
41895  
28-14-22  
05-22-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	118.00	11.5000	1357.00
1118B	PREMIUM GEL / BENTONITE	298.00	.2200	65.56
1111	SODIUM CHLORIDE (GRANULA	248.00	.3900	96.72
1110A	KOL SEAL (50# BAG)	590.00	.4600	271.40
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
479	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	935.00	.00	.00

Parts:	1843.81	Freight:	.00	Tax:	138.74	AR	3741.55
Labor:	.00	Misc:	.00	Total:	3741.55		
Sublt:	.00	Supplies:	.00	Change:	.00		

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

