



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: _____



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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Johnson County, KS
 Well: Mackey No. 5
 Lease Owner: D.E. Exploration

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

Commenced Spudding:
 May 24, 2013

WELL LOG

Thickness of Strata	Formation	Total Depth
0-18	Soil - Clay	18
7	Shale	25
13	Sandy Shale	38
14	Shale	52
5	Lime	57
7	Sandy Shale	64
15	Lime	79
9	Shale	88
9	Lime	97
8	Shale	105
17	Lime	122
18	Shale	140
17	Lime	157
10	Shale	167
57	Lime	224
19	Shale	243
9	Lime	252
18	Shale	270
7	Lime	277
4	Shale	281
9	Lime	290
33	Shale	323
1	Lime	324
12	Shale	336
26	Lime	362
5	Shale	367
23	Lime	390
5	Shale	395
5	Lime	400
4	Shale	404
7	Lime	411
32	Shale	443
77	Sandy Shale	520
5	Shale & Lime	525
7	Sand	532
51	Shale	583
6	Lime	589
12	Shale	601
7	Lime	608
17	Shale	625

Core Sample

Thickness of Strata	Formation	Total Depth
1	Sand	868
5	Sand	873
2	Sandy Shale	875
2	Shale	877
6	Sandy Shale	883
2	Shale	885

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 $SPM \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. 5

Farm Mackey

KS
(State)

Johnson
(County)

28
(Section)

14
(Township)

22
(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. 5

Elevation 1041

Commenced Spuding May 24 2013

Finished Drilling May 29 2013

Driller's Name Wesley Dollard

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Brandon Stone

Tool Dresser's Name _____

Contractor's Name TOS

28 14 22

(Section) (Township) (Range)

Distance from S line, 4160 ft.

Distance from E line, 600 ft.

3 sacks

1 core

16 hrs

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

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

4" Set _____ 4" Pulled _____

2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
863.15		Seat		nipple	
895.15		Baffle			
925.85		float			

Thickness of Strata	Formation	Total Depth	Remarks
0-16	soil-clay	16	
7	shale	25	
13	sandy shale	38	
14	shale	52	
5	lime	57	
7	sandy shale	64	
15	lime	79	
9	shale	88	
9	lime	97	
8	shale	105	
17	lime	122	
18	shale	140	
17	lime	157	
10	shale	167	
57	lime	224	
19	shale	243	
9	lime	252	
18	shale	270	sandy
7	lime	277	
4	shale	281	
9	lime	290	
33	shale	323	
1	lime	324	
12	shale	336	
26	lime	362	
5	shale	367	
23	lime	390	

390

Thickness of Strata	Formation	Total Depth	Remarks
5	shale	395	
5	Lime	400	
4	shale	404	
7	Lime	411	
32	shale	443	Hertha
77	sandy shale	520	
5	shale & lime	525	
7	sand	532	grey - no Oil
51	shale	583	
6	Lime	589	
12	shale	601	
7	Lime	608	
17	shale	625	
3	Lime	628	
8	shale	636	
4	Lime	640	
3	shale	643	
3	Lime	646	
102	shale	748	
10	sand	758	odor - slight show
12	sandy shale	770	
94	shale	864	
3	sandy lime	867	odor - no show
1	sand	868	Oil
17	Core	885	
75	shale	960	TD

CORE

Thickness of Strata	Formation	Total Depth	Remarks
		868	
5	sand	873	good Oil
2	sandy shale	875	no Oil
2	shale	877	
6	sandy shale	883	
2	shale	885	

FROM



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 # 259282

Invoice Date: 05/31/2013 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 #5
41942
28-14-22
05-29-2013
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	240.00	.3900	93.60
1110A	KOL SEAL (50# BAG)	620.00	.4600	285.20
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
368 CEMENT PUMP	1.00	1085.00	1085.00
368 EQUIPMENT MILEAGE (ONE WAY)	.00	4.20	.00
368 CASING FOOTAGE	925.00	.00	.00
370 80 BBL VACUUM TRUCK (CEMENT)	1.50	90.00	135.00
510 MIN. BULK, DELIVERY	1.00	368.00	368.00

Parts:	1925.69	Freight:	.00	Tax:	144.91	AR	3658.60
Labor:	.00	Misc:	.00	Total:	3658.60		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808
 EL DORADO, KS 316/322-7022
 EUREKA, KS 620/583-7664
 PONCA CITY, OK 580/762-2303
 OAKLEY, KS 785/672-8822
 OTTAWA, KS 785/242-4044
 THAYER, KS 620/839-5269
 GILLETTE, WY 307/686-4914
 CUSHING, OK 918/225-2650



CONSOLIDATED
Oil Well Services, LLC

259282

TICKET NUMBER 41942
LOCATION Ottawa
FOREMAN Alan 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
5-29-13	2355	Mackey #5	NE 28	14	22	JS
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
DE Exploration			576	Ala Mad		
MAILING ADDRESS			368	Art McD		
P.O. Box 128			370	Kei Can		
CITY	STATE	ZIP CODE	510	Set Trc		
Wellsville	KS	66092				

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 960 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 925 DRILL PIPE _____ TUBING _____ OTHER 894
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 5.2 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Hld meeting. Established rated down casing. Mixed and pumped 1/2 gal polymer to condition hole. Mixed and pumped 100# gel followed by 124 sk 50/50 cement plus 5% salt, 2% gel, 5# Kolseal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float. Closed valve.

Tos, Wes

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL	
5401	1	PUMP CHARGE	368	1085.00	
5406		MILEAGE	368		
5402	925	casing footage	368		
5407	min	ton miles	510	368.00	
5502C	1 1/2	80 vac	370	135.00	
1124	124	50/50 Cement		1426.00	
1118B	308	gel		67.76	
1111	240	salt		93.60	
1110 A	620	Kolseal		285.20	
1401	1/2	polymer		23.63	
4402	1	2 1/2 plug		29.50	
				SALES TAX	144.91
				ESTIMATED TOTAL	3658.60

Completed

AUTHORIZATION Bryan Mills 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.