



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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Well Report

METZGER 7C-34

API Number:

AFE Number: W880

Project Area:

SYCAMORE
KS WILSON
30S - 14E - 34
1515FNL - 2090FEL

AFE Amount: \$0.00

Activity Date	Activity Description
4/12/2011	MIRU THORNTON DRILLED 11" HOLE 43' DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN
4/13/2011	TIH W/ 6 3/4" BIT, HAMMER AND DRILL PIPE, DRILLED OUT FROM UNDER SURFACE TO 1237' TD, CATCHING SAMPLES AT ZONES OF INTEREST. RD DRILL RIG MOVE IN OSAGE WIRELINE PULLED LOGS TO LOGGER DEPTH TO SURFACE. JOB COMPLETE RIG DOWN.
6/27/2011	HAD TO WASH DOWN 50' TO GET TO PBTD. MI PU, RIH W/29 JOINTS 4-1/2" CASING, RIG UP CONSOLIDATED, BREAK CIRCULATION WITH 30 BBLs FRESH WATER PUMP 10 SKS GEL FLUSH W/HULLS, 20 BBLs CAUSTIC PRE-FLUSH, 10 BBLs DYE WATER, MIXED 135 SKS THKSET CMT W/8#KOL-SEAL, 1/8# PHENOSEAL PER SK., 1/2% CFL-110, 1/4% CAF-38 @ 13.2#/GAL YIELD 1.75. WASHED OUT PUMP AND LINES SHUTDOWN, RELEASE PLUG, DISPLACE W/19.8 BBLs FRESH WTR. FINAL PUMPING PRESSURE 700 PSI, BUMP PLUG TO 1100 PSI. WAIT 2 MINUTES, RELEASE PRESSURE, FLOAT HELD GOOD CEMENT RETURNS TO SURFACE, 42 BBLs SLURRY, 8 BBLs TO PIT. RD MOL. CSG STRING: 29 JOINTS 4-1/2" LANDED CSG @ 1232.05' PBTD - 1232.05' TD 1237"



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 30696
LOCATION Fureka
FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT API# 15-205-27855

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-27-11	4758	Metzger 76-34	34	30	19E	Wilson
CUSTOMER			TRUCK # DRIVER TRUCK # DRIVER			
Layne Energy			520 John			
MAILING ADDRESS			543 Allen B			
P.O. Box 160						
CITY STATE ZIP CODE						
Sycamore KS 67863						

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1232' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1232' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.4" SLURRY VOL 47 Bbl WATER gal/ek 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 20 Bbl DISPLACEMENT PSI 1000 BUMP PSI 1500 bump plug RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing w/ washhead. Break circulation w/ 25 Bbl fresh water. Washdown 60' to PBTD. Pump 20 sacks gel-flush w/ bulls. 20 Bbl water spacer. 15 Bbl caustic soda pre-flush. 10 Bbl dye water. Mix 150 sacks thickset cement w/ 8" Kal-seal 1/2 1/2 phenoseal 1/2 & 1/4 2 CEL-115 @ 13.4"/gal. Washout pump & lines, shut down 10 min. Latch down plug. Displace w/ 20 Bbl fresh water. Final pump pressure 1000 PSI. Bump plug to 1500 PSI. release pressure, float & plug held. Good cement returns to surface = 8 Bbl slurry to pit. Job complete. Rig down.

Thank You

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	40	MILEAGE	4.00	160.00
1126A	150 sacks	thickset cement	18.30	2745.00
1108A	1200*	8" Kal-seal 1/2	.44	528.00
1107A	19*	1/2 phenoseal 1/2	1.22	23.18
1135A	38*	1/4 2 CEL-115	9.95	378.10
1112B	1000*	gel-flush	20	200.00
1105	50*	bulls	.42	21.00
1103	100*	caustic soda	1.52	152.00
5407	8.25	tan mileage bulk tax		415.80
4156	1	4 1/2" Flapper type valve float shoe	175.00	175.00
4453	1	4 1/2" latch down plug	155.00	155.00
			Subtotal	5728.00
			SALES TAX	
			ESTIMATED TOTAL	

Revin 3737

AUTHORIZATION Sandy Mull TITLE Rick Ledford 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

Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC
Office Phone: 620-879-2073

PO Box 449
Caney, KS 67333

Date Started	4/12/2011
Date Completed	4/13/2011

Well No.	Operator	Lease	A.P.I.#	County	State
7C-34	Layne Energy Operating	Metzger	15-205-27855-00-00	Wilson	Kansas

	1/4	1/4	1/4	Sec.	Twp.	Rge.
				34	30	14

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy	Oil	8	42.6' 8 5/8	1237	6 3/4

Formation Record

0-6	DIRT	892-901	BLK SHALE (LEXINGTON)		
6-89	LIME	901-941	SANDY SHALE		
89-285	LIME SHALE	941-964	LIME (OSWEGO)		
285-291	LIME	964-974	BLK SHALE (SUMMIT)		
291-295	SANDY SHALE	974-984	LIME		
295-380	SAND (DAMP)	984-989	BLACK SHALE		
380-404	SHALE	989-990	COAL (MULKEY)		
404-407	LIME	990-991	SHALE		
407-410	BLACK SHALE	991-994	LIME		
410-426	SHALE	994-1032	SHALE		
411	GAS TEST - NO GAS	1032-1035	COAL		
426-522	LIME	1035-1051	SHALE		
522-526	BLACK SHALE	1051-1053	LIME (V-LIME)		
526-596	LIME	1053-1055	SHALE		
561	WENT TO WATER	1055-1056	COAL (CROWBERG)		
596-601	SHALE	1056-1093	SHALE		
601-634	LIME	1093-1094	COAL (MINERAL)		
634-645	BLACK SHALE	1094-1131	SHALE		
645-690	SHALE	1112	GAS TEST-10# 1/4", MCF-30.8		
690-705	LIME	1131-1133	BLACK SHALE		
705-728	SHALE	1133-1149	BROWN SAND		
728-740	LIME	1136-1149	OIL ODOR		
740-750	SHALE	1149-1154	SANDY SHALE		
750-765	SAND	1154-1160	GRAY SAND		
765-854	SHALE	1160-1237	SHALE		
854-855	LIME	1162	GAS TEST-20# 1/4", MCF-47.1		
855-856	COAL (MULBERRY)	1237	TD		
856-886	LIME (PAWNEE)				
886-888	BLACK SHALE				
888-892	LIME				

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 27, 2011

Victor H Dyal
Layne Energy Operating, LLC
P O Box 160
Scyamore, KS 67363

Re: ACO1
API 15-205-27855-00-00
METZGER 7C-34
NE/4 Sec.34-30S-14E
Wilson County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Victor H Dyal