



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: _____

1057853



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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Well Report

LAWRENCE 7E-5

API Number:

AFE Number: W873

Project Area: SYCAMORE
KS MONTGOMERY
31S - 14E - 5
1402FNL - 2463FEL

AFE Amount: \$0.00

Activity Date	Activity Description
2/23/2011	MIRU THORNTON DRILLED 11" HOLE 42' DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 16 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN
2/24/2011	TIH WITH 6-3/4 BIT DRILLED TO 386' SHUT DOWN DUE TO LIGHTNING SDFN.
2/28/2011	RESUMED DRILLING FROM 386' TO TD OF 1262' CATCHING SAMPLES AT ZONES OF INTREST. RD DRILL RIG MOVE IN OSAGE WIRELINE RAN OPEN HOLE LOGS FROM LOGGER DEPTH TO SURFACE JOB COMPLETE RD.
3/3/2011	MI PU, RIH w/33 JOINTS 4-1/2" CASING, RIG UP CONSOLIDATED, BREAK CIRCULATION WITH 23 BBLS FRESH WTR WASHED DOWN 40'.PUMP 10 SKS GEL FLUSH WITH HULLS, 20 BBLS CAUSTIC PRE-FLUSH, 10 BBLS DYE WTR. BROUGHT GEL TO SURFACE. MIXED 135 SKS THKSET CMT W/8#KOL-SEAL,1/8# PHENOSEAL PER SK.,1/4% CFL-115, @ 13.4#/GAL YIELD 1.75. WASHED OUT PUMP AND LINES SHUTDOWN, RELEASE LATCH DOWN PLUG, DISPLACE W/20 BBLS FRESH WTR. FINAL PUMPING PRESSURE 700 PSI, BUMP PLUG TO 1200 PSI. WAIT 2 MINUTES, RELEASE PRESSURE, FLOAT HELD GOOD CEMENT RETURNS TO SURFACE, 42 BBLS SLURRY, 8 BBLS TO PIT. RD MOL. LATCH DOWN PLUG CSG STRING: 33 JTS 4-1/2 LANDED CSG @ 1257' PBSD - 1257' TD 1262'
3/18/2011	MOL & RU Osage Wireline. Run GR-Ccl-Vcl Cement Bond log from 1247' to Surface. Bond looks good all depths. RDMOL Osage Wireline. Well SI waiting for completion.

4/5/2011

MIRU Osage Wireline & Consolidated Oil Well Services. Osage RIH and perforated Cattleman from 1173' to 1178' & 1193' to 1200' with 2 spf, 180 degree, 25 gm. TOTAL 26 holes Consolidated spotted 100 gallons 15% HCL across Cattleman perfs. Spearheaded 350 gals additional (450 total) and dropped 40 ball sealers. Good ball action and balled off perfs. Flowed back to clear perfs. Osage RIH with junkbasket/gauge ring and knocked off remaining ball sealers. Consolidated fracked the Cattleman with 60 bbls PAD of 25 ppt gelled water with 2% KCL and boicide followed with 4,750 lbs 16/30 and 9,250 lbs 12/20 sand @ 0.25 to 2.5 ppg concentrations. Dropped 15 balls during frac. Flushed sand with 21 bbls gelled water. Breakdown 1,802 psig, ISIP 430 psig, 5 min 375 psig, 10 min 366 psig, 15 min 361 psig. ATP 690 psig, MTP 955 psig, ATR 28 BPM, MTR 28 BPM.

TOTALS 450 gallons 15% HCL, 14,000 lbs 16/30 & 12/20 sand, 354 bbls gelled water.

Shut well in overnight to allow gel to break. Rig down Osage and Consolidated.

4/6/2011

MI RU RAN IN HOLE WITH 2-3/8 TUBING WITH 36JTS SET SN 1195' MA 1210'. RAN 1-1/2X6' PUMP WITH 47 RODS HUNG OFF ON WELL HEAD WELL READY FOR PRODUCTION.
WASHED 50' OF SAND

TUBING STRING

36 JTS 2-3/8
SN @ 1195
15' OEMA 1210

ROD STRING

47 - 3/4 RODS
1-8',1-6' ROD SUBS
1-1/2 X 6' CUP PUMP WITH 4' GTA

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	2/23/2011
Date Completed	2/28/2011

Well No.	Operator	Lease	A.P.I.#	County	State
7E - 5	Layne Energy Operating	Lawrence	15-125-32003-00-00	Montgomery	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			5	31 S	14 E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy, Sean	Oil	8	42' 8 5/8	1262	6 3/4

Formation Record

0-20	DIRT	923-959	LIME		
20-26	CLAY	959-964	BLACK SHALE		
26-118	SHALE	964-1004	SHALE		
118-129	LIME	1004-1027	LIME		
129-171	SAND (DAMP)	1027-1035	BLACK SHALE		
171-199	LIME / LITE OIL ODOR	1035-1041	LIME		
199-271	SANDY SHALE	1041-1045	BLACK SHALE		
271-280	LIME	1045-1046	COAL		
280-384	SHALE	1046-1051	LIME		
384-416	SANDY SHALE	1051-1091	SHALE		
416-440	SAND	1091-1092	COAL		
440-465	SHALE	1092-1109	SHALE		
465-470	LIME	1109-1111	LIME		
470-479	SHALE	1111-1114	SHALE		
479-501	LIME	1114-1115	COAL		
501-511	LMY SHALE	1115-1127	SAND		
511-610	LIME	1127-1151	SANDY SHALE		
610-615	SANDY SHALE	1151-1153	COAL		
615-647	SAND	1153-1158	SHALE		
647-693	LIME	1158-1172	SANDY SHALE		
693-767	SHALE	1172-1175	SAND		
767-780	LIME	1175-1193	SANDY SHALE		
780-800	SHALE	1193-1204	SAND		
800-809	LIME	1204-1228	SHALE		
809-835	SAND	1228-1232	SAND		
835-866	SANDY SHALE	1232-1262	SANDY SHALE		
866-880	SAND	1262	TD		
880-920	SANDY SHALE				
920-922	LIME				
922-923	COAL				



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 30255

LOCATION Fulcrum KS

FOREMAN Rick Ladford

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
3-3-11	4758	Lawrence 7E-5				MG
CUSTOMER <u>Layne Energy</u>			TRUCK # DRIVER TRUCK # DRIVER 520 John 479 Jim			
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY <u>Sycamore</u>	STATE <u>KS</u>	ZIP CODE				

JOB TYPE longstring 0 HOLE SIZE 6 3/4 HOLE DEPTH 1262' CASING SIZE & WEIGHT 4 1/2" 16.5#
 CASING DEPTH 1257' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.4# SLURRY VOL 42 Bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 20 Bbl DISPLACEMENT PSI 700 MIX PSI 1200 RATE _____

REMARKS: Safety meeting - Rig up to 4 1/2" casing Break circulation w/ 23 Bbl fresh water. Wash down 40' to PBTD. Pump 10 sks gel-flush w/ hulls, 20 Bbl caustic soda pre-flush, brought gel to surface pump 10 Bbl dye water. Mixed 135 sks thickset cement w/ 8" Kol-seal/sk 1/2" phenosan/sk + 1/4" CST-115 @ 13.4#/gal. Washout pump + lines, release 4 1/2" latch down plug. Displace w/ 20 Bbl fresh water. Final pump pressure 700 PSI. Bump plug to 1200 PSI. wait 2 mins. release pressure float + plug held. Good cement returns to surface - 8 Bbl slurry to pit. Job complete Rig down.

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	135 sks	thickset cement	18.30	2470.50
1110A	1080 #	8" Kol-seal/sk	.44	475.20
1107A	17 #	1/2" phenosan/sk	1.22	20.74
1135A	39 #	1/4" CST-115	9.95	318.40
1118B	500 #	gel-flush	.20	100.00
1105	50 #	hulls	.42	21.00
1103	100 #	caustic soda	1.52	152.00
5407A	7.43	ten mileage bulk truck	1.26	374.47
			Subtotal	5067.31
			SALES TAX	224.14
			ESTIMATED TOTAL	5291.45

AUTHORIZATION [Signature] TITLE Drilling Supervisor 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.

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

June 16, 2011

Victor H. Dyal
Layne Energy Operating, LLC
1900 SHAWNEE MISSION PKWY
MISSION WOODS, KS 66205-2001

Re: ACO1
API 15-125-32003-00-00
LAWRENCE 7E-5
NE/4 Sec.05-31S-14E
Montgomery 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