



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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	5/5/2011
Date Completed	5/10/2011

Well No.	Operator	Lease	A.P.I #	County	State
2E-12	Layne Energy Operating	West Fall	15-125-32074-00-00	Montgomery	Kansas

	1/4	1/4	1/4	Sec.	Twp.	Rge.
				12	31	13E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy	Oil	4	21.5' 8 5/8	1703	6 3/4

Formation Record

0-4	DIRT	1034-1035	COAL (MULBERRY)	1362	GAS TEST-SLIGHT BLOW
4-16	CLAY	1035-1067	LIME (PAWNEE)	1372-1377	SANDY SHALE
16-17	LIME	1067-1069	SHALE	1377-1381	RED SHALE
17-22	SHALE	1069-1072	LIME	1381-1395	SHALE
22-28	LIME	1072-1077	BLK SHALE (LEXINGTON)	1395-1396	COAL
28-80	SANDY SHALE	1077-1118	SHALE	1396-1436	SHALE
80-286	SHALE	1118-1140	LIME (OSWEGO)	1412	GAS TEST -SAME
286-320	LIME	1140-1149	BLK SHALE (SUMMIT)	1436-1437	COAL
320-500	LMY SHALE	1149-1157	LIME	1437-1448	SHALE
500-508	SANDY SHALE	1157-1160	BLK SHALE (EXCELLO)	1448-1449	COAL
508-549	SAND (DAMP)	1160-1161	COAL (MULKEY)	1449-1457	SHALE
549-550	COAL	1161-1164	LIME	1457-1473	SANDY SHALE
550-576	SANDY SHALE	1164-1209	SHALE	1463	GAS TEST - SAME
576-583	LIME	1209-1210	COAL	1473-1515	MISS. CHAT (MISS)/LITE OIL ODOR
583-587	SHALE	1210-1222	SHALE	1515-1573	BROWN LIME
587-719	LIME	1222-1224	LIME (V-LIME)	1573-1583	GRAY LIME/LITE OIL ODOR
636	WENT TO WATER	1224-1226	SHALE	1583-1623	GRAY LIME
719-756	SHALE/705-PICKED UP SOME WATER	1226-1227	COAL (CROWBERG)	1598	OIL ODOR
756-794	LIME	1227-1270	SHALE	1623-1642	CHERT/PICKED UP SOME WATER
794-834	SHALE	1270-1271	COAL	1642-1648	CHERT /OIL ODOR
834-842	LIME	1271-1300	SHALE	1648-1655	BROWN LIME
842-890	LMY SHALE	1300-1304	BLACK SHALE	1655-1658	GRAY LIME
890-913	SANDY SHALE	1304-1305	COAL	1658-1670	BROWN LIME
913-922	LIME	1305-1306	SHALE	1670-1703	SANDY LIME
922-924	BLACK SHALE	1306-1311	BROWN SAND/OIL ODOR	1703	TD
924-930	LIME	1311-1327	SHALE		
930-950	SAND (WEISER)	1327-1335	SANDY SHALE		
950-970	SANDY SHALE	1335-1348	SHALE		
970-1000	SAND	1348-1358	SANDY SHALE		
1000-1034	SANDY SHALE	1358-1372	SHALE		

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

August 30, 2011

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

Re: ACO1
API 15-125-32074-00-00
Westfall 2E-12
NE/4 Sec.12-31S-13E
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

MORNING COMPLETION REPORT

Report Called in by: JM

Report taken by: KRD

LEASE NAME & #	AFE#	DATE	DAYS	CIBP	PBTD:
WESTFALL 2E-12	G01057300100	5/5/2011	1	DEPTH	TYPE FLUID
PRESENT OPERATION:					WT
					VIS
DEEPEST CASING	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS	CONTRACTOR		
OD SHOE DEPTH		TEST PERFS	RIG NO		
PACKER OR ANCHOR	FISHING TOOLS	OD	ID	TEST PERFS	
				TO	
				TO	
				TO	
HRS	BRIEF DESCRIPTION OF OPERATION				
	MIRU Thornton, drilled 11" hole 22' deep, RIH W/1 joint 8-5/8" surface casing. Mixed 4 sx type 1 cement, dumped down the backside. SDFN.				

DAILY COST ANALYSIS

RIG _____

SUPERVISION _____

RENTALS _____

SERVICES _____

MISC _____

DETAILS OF RENTALS, SERVICES, & MISC	
SUPERIOR WIRELINE	
SUPERIOR FRAC CREW	
RICKS TANKS	
FRAC VALVE	
HORTON TOOL CO.	
	0

DAILY TOTALS 0 PREVIOUS TCTD 0 TCTD 0



CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 30507

LOCATION Eureka KS

FOREMAN Rick Ledford

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

FIELD TICKET & TREATMENT REPORT

CEMENT

API # 15-125-32074

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-12-11	4758	Westfall 25-12	12	31	13E	MG
CUSTOMER			TRUCK #			
Layne Energy			DRIVER			
MAILING ADDRESS			TRUCK #			
P.O. Box 1100			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
Sycamore			DRIVER			
KS			TRUCK #			
			DRIVER			

JOB TYPE longstring 0 HOLE SIZE 6 3/4" HOLE DEPTH 1703' CASING SIZE & WEIGHT 4 1/2"
 CASING DEPTH 1695' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.4# SLURRY VOL 28 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 27 bbl DISPLACEMENT PSI 600 ~~PSI~~ 1100 bump plug RATE _____

REMARKS: Safety meeting - Rig up to 4 1/2" casing. Break circulation w/ 30 bbl fresh water. Washdown 10' to PBTD. Circulated air out w/ pit water. Lost circulation almost half while circulating. Got circulation back when 10 sec gel w/ hulls cleared pipe shut down, well fell back 60' in two hrs. Pumped 20 sec gel w/ hulls, 10 bbl caustic soda pre-flush. Mixed 90 sec thickest cement w/ 8# Kalsol/sk, 1/8" phenosan/sk + 1/4" CFL-115 @ 13.4#/gal. Washout pump + lines, release latch down plug. Displace w/ 27 bbl water. Final pump pressure 600 PSI. Bump plug to 1100 PSI, release pressure, float held. Good circulation while cementing + displacement of plug. Job complete. Rig down.

Note 90 sec = 1150' of fill on perfect hole

"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	90 sec	thickest cement	18.30	1647.00
1110A	720*	8# Kalsol/sk	.44	316.80
1102A	11*	1/8" phenosan/sk	1.22	13.42
1135A	22*	1/4" CFL-115	9.95	218.90
1118B	1500*	gel-flush	.20	300.00
1105	100"	hulls	.42	42.00
1103	100"	caustic soda	1.52	152.00
5407	4.95	tan mileage bulk trip	m/c	330.00
4156	1	4 1/2" flapper type float shoe	175.00	175.00
4453	1	4 1/2" latch down plug	155.00	155.00
			Subtotal	4485.12
			6.3% SALES TAX	190.29
			ESTIMATED TOTAL	4675.41

Ravin 3737

AUTHORIZATION

TITLE Production Foreman

DATE 5/12/11

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.

