



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: \_\_\_\_\_



1054482

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

## HUMMER 10J-28

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**API Number:**

**AFE Number:** G01013600700

**Project Area:**

SYCAMORE  
KS Wilson  
30S - 14E - 28  
1805FSL - 1640FEL

**AFE Amount:** \$0.00

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Activity Date	Activity Description
12/8/2010	MIRU THORNTON DRILLED 11" HOLE 40 DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN
12/9/2010	TIH W/ 6 3/4" BIT, HAMMER AND DRILL PIPE, DRILLED OUT FROM UNDER SURFACE TO 1262' TD, TESTING SAMPLES AT ZONES OF INTEREST RD DRILL RIG MOVE IN OSAGE WIRELINE PULLED LOGS FROM LOGGER DEPTH TO SURFACE RD MOL.
12/10/2010	MI PU, RIH W/31 JOINTS 4-1/2" CASING, RIG UP CONSOLIDATED, BREAK CIRCULATION WITH 30 BBLs FRESH WATER PUMP 10 SKS GEL FLUSH WITH 5 BBLs WATER SPACER 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 @ 13.4#/GAL YIELD 1.75. WASHED OUT PUMP AND LINES SHUTDOWN, RELEASE PLUG, DISPLACE W/19.6 BBLs FRESH WTR. FINAL PUMPING PRESSURE 600 PSI, BUMP PLUG TO 1100 PSI. WAIT 2 MINUTES, RELEASE PRESSURE, FLOAT HELD GOOD CEMENT RETURNS TO SURFACE, 8 BBLs TO PIT. RD MOL. WELL SHOWED GOOD OIL FLOW TO PIT WHILE RUNNING IN CASING STRING.  CSG STRING: 31 JOINTS 4-1/2" LANDED CSG @ 1232.9' PBSD - 1232.9' TD 1262"
12/20/2010	MOL RU Osage Wireline and Consolidated Oil Well Servicing. Osage RIH and ran CBL-CCL-VDL Log from 1222' to surface. Good Bond all depths. Osage Perfed the Cattleman sands from 1123' to 1126' and 1144' to 1150' with 2 spf, 180 degree phase, and 25 gm charges. Total 20 holes. Consolidated rigged up and spotted 100 gallons 15% HCL across Cattleman perfs. Pumped 300 gallons additional (400 gal total) 15% HCL with 35 ball sealers. Good ball action and balled off perfs. RIH with wireline junkbasket and knock balls off. Fracked Cattleman with 85 bbls PAD (25 ppt gelled water with 2% KCL & biocide) followed with 4,000 lbs 16/30 and 6,800 lbs 12/20 frac sand @ 0.25 ppg - 3 ppg concentration, dropping 7 balls during frac. Flushed with 20 bbls gel.  Breakdown 1637 psig, ISIP 568 psig, 5 min 510 psig, 10 min 496 psig, 15 min 487 psig, ATP 850 psig, MTP 948 psig, ATR 26 BPM, MTR 26 BPM.  TOTAL JOB: 10,800 lbs 16/30 & 12/20 sand, 400 gallons 15% HCL, and 295 bbls gelled water SI WELL AFTER FRAC TO ALLOW GEL TO BREAK

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**12/21/2010**

TIH W/ TBG WASHED TO TD TIH W/ RODS SPACED ROD STRING HUNG ON JACK.  
WASHED 20' OF SAND

TBG STRING  
36- 2 3/8 TBG  
0- SUBS  
SN @ 1175  
15' OEMA @ 1180

ROD STRING  
46- 3/4 RODS  
1-8',1-4' PONYS  
1 1/2 X 6' BHD CUP INST PMP  
1 1/8 X 11' POLISH ROD

**1/11/2011**

POOH W/ RODS & PMP REPLACED PMP BECAUSE OF SAND TIH W/ ROD & REBLT PMP  
HUNG ON JACK WELL ON PROD.

TBG STRING  
36- 2 3/8 TBG  
0- SUBS  
SN @ 1175  
15' OEMA @ 1180

ROD STRING  
46- 3/4 RODS  
1-8',1-4' PONYS  
1 1/2 X 6' BHD CUP INST PMP  
1 1/8 X 11' POLISH ROD

**1/28/2011**

POOH W/ RODS & PMP REPLACED PMP BECAUSE OF SAND TIH W/ ROD & REBLT PMP  
HUNG ON JACK WELL ON PROD.

TBG STRING  
36- 2 3/8 TBG  
0- SUBS  
SN @ 1175  
15' OEMA @ 1180

ROD STRING  
46- 3/4 RODS  
1-8',1-4' PONYS  
1 1/2 X 6' BHD CUP INST PMP  
1 1/8 X 11' POLISH ROD

**3/14/2011**

MI RU POOH WITH RODS AND PUMP CHECKED FILL TO 32' NO SAND. PUT ON REBUILT  
PUMP RAN RODS BACK IN HUNG OFF ON WELL HEAD WELL BACK ON PROD.

TBG STRING

36- 2 3/8 TBG

0- SUBS

SN @ 1175

15' OEMA @ 1180

ROD STRING

46- 3/4 RODS

1-8',1-4' PONYS

1 1/2 X 6' BHD CUP INST PMP

1 1/8 X 11' POLISH ROD

Air Drilling Specialist  
Oil & Gas Wells

**THORNTON AIR ROTARY, LLC**

Office Phone: 620-879-2073

PO Box 449  
Cameo, KS 67333

Date Started	<b>12/8/2010</b>
Date Completed	<b>12/9/2010</b>

Well No.	Operator	Lease	A.P.I.#	County	State
<b>10J-28</b>	<b>Layne Energy Operating</b>	<b>Hummer</b>	<b>25-205-27892-00-00</b>	<b>Wilson</b>	<b>Kansas</b>

1/4	1/4	1/4	Sec.	Twp.	Rge.
			<b>28</b>	<b>30</b>	<b>14E</b>

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
<b>Sean</b>	<b>Oil</b>	<b>8</b>	<b>44' 8 5/8</b>	<b>1262</b>	<b>6 3/4</b>

**Formation Record**

0-2	DIRT	850-869	SANDY SHALE	1173-1179	SAND / ODOR
2-13	CLAY	869-871	LIME	1179-1200	SANDY SHALE
13-49	SHALE	871-872	COAL (MULBERRY)	1200-1262	SHALE
49-55	LIME	872-911	LIME (PAWNEE)	1262	TD
55-70	LMY SHALE	911-916	BLK SHALE (LEXINGTON)		
70-118	LIME	916-953	SHALE		
118-134	SHALE	953-975	LIME (OSWEGO)		
134-146	SAND	975-984	BLK SHALE (SUMMIT)		
146-340	SHALE	984-992	LIME		
340-420	SAND	992-995	BLACK SHALE		
420-448	SHALE	995-996	COAL		
448-558	LIME	996-999	LIME		
536	WENT TO WATER	999-1041	SHALE		
558-563	SHALE	1041-1042	COAL		
563-573	LIME	1042-1058	SHALE		
573-578	SAND	1058-1060	LIME		
578-579	COAL	1060-1061	SHALE		
579-596	SAND	1061-1062	COAL		
596-601	SANDY SHALE	1062-1080	SANDY SHALE		
601-655	LIME	1080-1099	SHALE		
655-685	SHALE	1099-1100	COAL		
685-689	LIME	1100-1106	SHALE		
689-694	SHALE	1106-1123	SANDY SHALE		
694-699	LIME	1123-1130	SAND / ODOR		
699-726	SHALE	1130-1133	SANDY SHALE		
726-735	LIME	1133-1140	SHALE		
735-751	SAND	1140-1153	SAND / ODOR		
751-771	LIME	1153-1156	SANDY SHALE		
771-810	SANDY SHALE	1156-1163	SAND		
810-850	SAND/SANDY SHALE	1163-1173	SANDY SHALE		



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 30072  
LOCATION Eureka  
FOREMAN Troy Strickler

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-487-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-10-10	4758	Hummer #4-28				Wilson
CUSTOMER Layne Energy			1052 Safety meeting			
MAILING ADDRESS P.O. Box 160			J.S. D			
CITY Sycamore		STATE KS	ZIP CODE			

JOB TYPE 4/0 HOLE SIZE 6 3/4" HOLE DEPTH 1269' CASING SIZE & WEIGHT 4 1/2"  
CASING DEPTH 1237' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 13.4" SLURRY VOL 42.8bl WATER gal/sk 8" CEMENT LEFT in CASING 0'  
DISPLACEMENT 19.68bl DISPLACEMENT PSI 600 MIX PSI 1100 Pump Pk RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break Circulation w/ 30.8bl Fresh Water.  
Pump 1000 Gal - Flush, 50bl Water spacer, 200bl Caustic Soda Air-Flush, 100bl Ave water.  
Mixed 13.50% Thick Set Cement w/ 8" Kol-Seal 1sk, 1/2" Phenoseal 1sk, 1/2% FL-110, + 1/2%  
CAF-38 @ 13.4 gal Wash out Pump + lines. Release Plug. Displace w/ 19.68bl Fresh  
Water. Final Pumping Pressure 600 PSI. Pump Plug to 1100 PSI. Wait 2 min. Release  
Pressure. Float Held. Good Cement to surface = 8.8bl slurry to pit.

Job Complete

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1126A	135sk	Thick Set Cement	17.00	2295.00
1110A	1080 M	8" Kol-Seal 1sk	.42	453.60
1107A	17"	1/2" Phenoseal	1.15	19.55
1135	68"	1/2% FL-110	7.50	510.00
1146	34"	1/2 CAF-38	7.70	261.80
1118B	500"	Gel-Flush	1.20	100.00
1105	50"	Hulls	1.39	19.50
1103	100"	Caustic Soda	1.45	145.00
5407A	7.43	Top Mileage	1.20	8.92
5502C	4hrs.	800bl Vac Truck	85.00/hr	340.00
1123	3000gal	Crly Water	14.90/1000	44.70
4404	1	4 1/2" Top Rubber Plug	45.00	45.00
			Sub Total	5661.74
			SALES TAX	245.37
			ESTIMATED TOTAL	5907.07

REV. 03/07

AUTHORIZATION Sandy Mead TITLE Drill Person 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.