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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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JUL 27 2010

ORIGINAL

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

7/26/12

KCC WICHITA

OPERATOR: License # 33365
Name: Layne Energy Operating, LLC
Address 1: 1900 Shawnee Mission Parkway
Address 2:
City: Mission Woods State: KS Zip: 66205 + 2001
Contact Person: Victor H. Dyal
Phone: (913) 748-3960
CONTRACTOR: License # 33606
Name: Thornton Air Rotary, LLC
Wellsite Geologist:
Purchaser:

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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 #:

4/5/2010 4/8/2010 5/6/2010
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 125-31952-00-00
Spot Description:
NE SE NE NE Sec. 3 Twp. 31 S. R. 14 East West
834 Feet from North South Line of Section
170 Feet from East West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Montgomery
Lease Name: Zook Well #: 1J-3
Field Name: Unnamed
Producing Formation: Cattleman Sands
Elevation: Ground: 920 Kelly Bushing: N/A
Total Depth: 1280 Plug Back Total Depth: 1271
Amount of Surface Pipe Set and Cemented at: 21 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: N/A Feet
If Alternate II completion, cement circulated from: 1271
feet depth to: Surface w/ 135 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: N/A ppm Fluid volume: N/A bbls
Dewatering method used: N/A - Air Drilled
Location of fluid disposal if hauled offsite:
Operator Name: N/A
Lease Name: N/A License #: N/A
Quarter N/A Sec. N/A Twp. N/A S. R. N/A East West
County: N/A Permit #: N/A

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]
Title: Manager of Engineering Date: July 26, 2010

KCC Office Use ONLY

- Letter of Confidentiality Received Date: 7/26/10 - 7/26/12
- Confidential Release Date:
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: [Signature] Date: 7-29-10

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Side Two

Operator Name: Layne Energy Operating, LLC Lease Name: Zook KCC WICHITA Well #: 1J-3
Sec. 3 Twp. 31 S. R. 14 [X] East [] West County: Montgomery

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 [] Yes [X] No [X] Log Formation (Top), Depth and Datum [] Sample
Samples Sent to Geological Survey [] Yes [X] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [X] No
Electric Log Submitted Electronically [X] Yes [X] No
List All E. Logs Run: Compensated Density Neutron Dual Induction

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CASING RECORD Table with columns: 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. Includes rows for Surface and Production.

ADDITIONAL CEMENTING / SQUEEZE RECORD Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD Form with fields: Size (2-3/8"), Set At (1212'), Packer At, Liner Run, Date of First, Resumed Production, SWD or ENHR (5/7/2010), Producing Method (Flowing, Pumping, Gas Lift, Other), Estimated Production Per 24 Hours (Oil 5 Bbls, Gas 20 Mcf, Water 0).

DISPOSITION OF GAS (Vented, Sold, Used on Lease), METHOD OF COMPLETION (Open Hole, Perf., Dually Comp., Commingled, Other), PRODUCTION INTERVAL.

Layne Energy Operating, LLC #33365



ZOOK 1J-3

NE SE NE NE 3 - 31S - 14E MONTGOMERY COUNTY, KANSAS

15-125-31952-00-00

<i>Stage #</i>	<i>Perforation Record</i>	<i>Acid, Fracture, Shot, Cement Squeeze Record</i>
Stage 1 5/5/2010	<u>Cattleman Sand 1181' - 1190'</u>	250 Water (bbls)
Stage 1 5/5/2010		300 HCl (15%) (gal)
Stage 1 5/5/2010		6000 Sand (12/20) Brown
Stage 1 5/5/2010		3000 Sand (20/40) (lbs)

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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

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JUL 2 1

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Date Started	4/5/2010
Date Completed	4/6/2010

Well No.	Operator	Lease	A.P.I.#	County	State
11-3	Layne Energy Operating	Zook	125-31952	Montgomery	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			3	31	14

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy	Oil	4	20' 8 5/8	1280	6 3/4

Formation Record

0-7	DIRT	625-657	LIME	967-996	LIME (OSWEGO)
7-38	LIME	657-665	BLACK SHALE	996-1006	BLK SHALE (SUMMIT)
38-41	SHALE	661	GAS TEST - SAME	1006-1016	LIME
41-101	LIME	665-667	LIME	1016-1020	BLK SHALE (MULKEY)
101-239	SHALE	667-679	BLACK SHALE	1020-1021	COAL
239-242	LIME	679-684	SHALE	1021-1029	LIME
242-256	SHALE	684-687	LIME	1029-1035	SANDY SHALE
256-260	LIME	686	GAS TEST- SAME	1035-1072	SHALE
260-291	LMY SHALE	687-695	LMY SHALE	1037	GAS TEST - SAME
291-292	COAL	695-717	SHALE	1072-1073	COAL
292-297	SHALE	717-731	LIME	1073-1083	SHALE
297-423	SAND (LOTS OF WATER)	731-764	SHALE	1083-1085	LIME
361	WENT TO WATER	764-769	LIME	1085-1087	BLK SHALE (CROWBERG)
423-429	LIME	769-771	BLACK SHALE	1087-1095	SHALE
429-444	SHALE	771-775	LIME	1095-1096	COAL (FLEMING)
444-460	LIME	775-778	SANDY SHALE	1096-1130	SANDY SHALE
460-462	SHALE	778-794	SAND	1130-1131	COAL (MINERAL)
462-500	LIME	794-825	SHALE	1131-1148	SHALE
500-505	SHALE	825-832	SAND	1148-1153	LMY SHALE
505-535	LIME	832-884	SHALE	1153-1180	SHALE
535-537	BLACK SHALE	884-885	COAL	1162	GAS TEST- SAME
537-546	SHALE	885-886	SHALE	1180-1184	SAND
546-563	LIME	886-914	LIME (PAWNEE)	1184-1203	OIL ODOR
561	GAS TEST-1# 1/4, MCF-8.95	914-916	BLACK SHALE	1203-1205	COAL
563-565	BLACK SHALE	916-921	LIME	1205-1224	SHALE
565-566	COAL	921-928	BLK SHALE (LEXINGTON)	1212	GAS TEST- 10# 1/4, MCF-30.8
566-569	SHALE	928-930	LIME	1224-1231	SAND
569-595	SAND	930-951	SAND	1231-1280	SHALE
595-620	LIME	951-967	SANDY SHALE	1280	TD
620-625	SHALE	962	GAS TEST- SAME		

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Daily Well Work Report

ZOOK 1J-3

4/5/2010

Well Location:
MONTGOMERY KS
31S-14E-3 NE SE NE NE
834FNL / 170FEL

Cost Center G01020800300
Lease Number G010208
Property Code KSSY31S14E0301J
API Number 15-125-31952

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
4/5/2010	4/8/2010	5/6/2010	5/7/2010		

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1280	1271	21	1271	0	0

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Reported By krd	Rig Number	Date 4/5/2010
Taken By krd		Down Time
Present Operation Set Surface		Contractor Thornton Drilling

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Narrative

MIRU Thornton, drilled 11" hole 21' deep, RIH W/1 joint 8-5/8" surface casing. Mixed 8 sx type 1 cement, dumped down the backside. SDFN.

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CONSOLIDATED
Oil Well Services, LLC

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

FIELD TICKET & TREATMENT REPORT
CEMENT

ENTERED

JUL 28 2010

TICKET NUMBER 24109

LOCATION EUDEKA

FOREMAN Rick Ledford

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-8-10	4758	ZOOK 1J-3				MO
CUSTOMER <u>Layne Energy</u>			Gus Jones			
MAILING ADDRESS <u>P.O. Box 160</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Sycamore</u>			<u>463</u>	<u>Shannon</u>		
STATE <u>KS</u>			<u>479</u>	<u>John</u>		
ZIP CODE						

JOB TYPE long string HOLE SIZE 6 3/4" HOLE DEPTH 1220' CASING SIZE & WEIGHT 4 1/2"
 CASING DEPTH 1221' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.4* SLURRY VOL 42 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 20.2 DISPLACEMENT PSI 1000 ~~Rate~~ PSI 1000 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 25
Bbl fresh water. Pump 10 sacks gel-flush w/ hulls, 5 Bbl water spacer, 10 Bbl
caustic soda pre-flush, 11 Bbl dye water. Mixed 135 sacks thickset cement w/
8" Katsrel 1 1/2", 1/2" phosacol 1 1/2", 1/2" CAF-110 + 1/4" CAF-38 @ 13.4#/sk. Washbit pump + 1/4"
shut down, release plug. Displace w/ 20" Bbl fresh water. Final pump pressure 600 PSI.
Bump plug to 1000 PSI. wait 2 minutes, release pressure, float held. Good cement
returns to surface = 7 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	900.00	900.00
5406	40	MILEAGE	3.53	142.00
1126A	135 sacks	thickset cement	16.50	2227.50
1110A	1080"	8" Katsrel 1 1/2"	.90	432.00
1107A	17"	1/8" phosacol 1 1/2"/sk	1.12	19.04
1135	68"	1/2" CAF-110	7.26	493.68
1146	34"	1/4" CAF-38	7.50	255.00
1118A	500"	get-flush	.17	85.00
1105	50"	hulls	.38	19.00
1103	100"	caustic soda	1.40	140.00
5407A	7.03	tan mileage bulk trk	1.20	356.64
4404	1	4 1/2" top rubber plug	44.00	44.00
			subtotal	5113.86
			SALES TAX	196.93
			ESTIMATED TOTAL	5310.79

Rev'n 3737

233645

AUTHORIZATION witnessed by Jacob

TITLE Co. Mgr

DATE _____