

ORIGINAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1 September 1999 Form Must Be Typed

Operator: License #33365	1
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	feet from S/ N (circle one) Line of Section
Purchaser:	981 feet from (E) W (circle one) Line of Section
Operator Contact Person: Timothy H. Wright	Footages Calculated from Nearest Outside Section Corner:
Phone: (<u>913</u>) <u>748-3960</u>	
Contractor: Name: Thornton Air Rotary	Lease Name: Schabel Well #: 16-23
License: 33606	
Wellsite Geologist:	
Designate Type of Completion:	Elevation: Ground: 912' Kelly Bushing:
✓ New Well Re-Entry Workover	Total Depth: 1437' Plug Back Total Depth: 1435'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 21 Fee
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFee
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1435
Operator: ASS 2 9 7000	feet depth to Surface w/ 200 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan AHT NH 1015 08 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SW	•
Plug Back Plug Back Total Depth	Dewatering method used N/A - Air Drilled
Commingled Docket No.	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No.	Operator Name:
6/27/2008 7/7/2008 8/8/2008	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date	
Recompletion Date Recompletion Da	te County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, Information of side two of this form will be held confidential for a per 107 for confidentiality in excess of 12 months). One copy of all wire	filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Briod of 12 months if requested in writing and submitted with the form (see rule 82-3-line logs and geologist well report shall be attached with this form. ALL CEMENTING ed wells. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated nerein are complete and correct to the best of my knowledge.	to regulate the oil and gas industry have been fully complied with and the statements
Signature:	KCC Office Use ONLY
	Letter of Confidentiality Attached
ritle: Agent // Date: 8/28/2	
Fitle: Agent Date: 8/28/2	ust If Denied, Yes Date:
Fitle: Agent Date: 8/28/2 Subscribed and sworn to before me this 38 day of Out	Wireline Log Received
	Wireline Log Received
Subscribed and sworn to before me this 38 day of aug Notary Public: Mac Jaugulin Darlin	Wireline Log Received

Operator Name: Layne Energy Operating, LLC				Lease Name: Schabel			Well #: 16-23		
Sec. 23 Twp. 3	1S. R. 14	✓ Eas	t West	County	, Montg	omery			
NSTRUCTIONS: Shested, time tool oper emperature, fluid rec Electric Wireline Logs	n and closed, flowing covery, and flow rate	g and shu s if gas to	t-in pressures, surface test, a	whether sh long with fi	ut-in pre	ssure reached	static level, hydro	ostatic pressur	• •
Orill Stem Tests Take		Y	es ☑ No		⊘ Lo	og Formatio	on (Top), Depth a	and Datum	Sample
Samples Sent to Geo	,	₹ Y	es No		Name			Тор	Datum
Cores Taken		Y	_		Pawnee Lime			915 GL	-3
lectric Log Run (Submit Copy)		✓ Y	es No	Excello Shale				1049 GL -137	
ist All E. Logs Run:					V-Sh	ale		1103 GL	-191
Compensated De	ensity Neutron				Mine	ral Coal		1147 GL	-235
Dual Induction					Mississippian 1410 GL			-498	
		Repo		RECORD	✓ Ne	w Used	tion, etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing t (In O.D.)	Weig	ght	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"		24	. 1.	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"		10.5		1435'	Thick Set	200	50/50 posmix w/2% gel
	1								
<u> </u>	/s.J.J.J		ADDITIONAL	CEMENTIN	NG / SQU	EEZE RECORD)		
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Туре	e of Cement	#Sacks	Used		Type and F	Percent Additives	5
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Cemen		rd Depth
	See Attached Pa	<u>~</u>			(vinoun and N				
	Oct / Madrida 1	<i>-</i>							
TUBING RECORD	Size	Set At		Packer A	t	Liner Run	Yes ✓ No		L
2-3 Date of First, Resumero		1402'	Producing Meth	nod		L			
8/13/2008	i i roudciion, avvo or e	aulf.	, roducing wen		Flowing	Pumpir	ng 🔲 Gas Li	ft 🔲 Oth	er (Explain)
Estimated Production Per 24 Hours	Oil O	Bbis.	Gas 5	Mcf	Water 0	r Bi	bls. (Gas-Oil Ratio	Gravity
Disposition of Gas	METHOD OF C	OMPLETIC	DN .	L		Production Inter-	val		
Vented ☑ Sold (If vented, Sui	Used on Lease		Open Hole Other (Specia	▼ Perf.	D	ually Comp.	Commingled	KA	RECEIVEL NSAS CORPORATION COI

SEP 0 2 2008

GEOLOGIC REPORT

LAYNE ENERGY
Schabel 16-23
SE SE, 997 FSL, 968 FEL
Section 23-T31S-R14E
Montgomery County, KS

Spud Date:	6/27/2008
Drilling Completed:	7/7/2008
Logged:	7/7/2008
A.P.I. #:	15125316450000
Ground Elevation:	912'
Depth Driller:	1437'
Depth Logger:	1437'
Surface Casing:	8.625 inches at 21'
Production Casing:	4.5 inches at 1434.75'
Comented Joh:	0

Cemented Job: 0

100 20 200

CONFIDE Open Hole Logs: Dual Induction SFL/GR, Litho Density /

Neutron Logs

Eormation	Tops	
482	(below ground) Surface (South	(subsea)
	Bend Limestone	
Lansing Group	Member)	912
Pawnee Limestone	915	-3
Excello Shale	1,049	-137
"V" Shale	1,103	-191
Mineral Coal	1,147	-235
Mississippian	1,410	-498

RECEIVED KANSAS CORPORATION COMMISSION

SEP 0 2 2008

Daily Well Work Report

SCHABEL 16-23 6/27/2008

Well Location: MONTGOMERY KS 31S-14E-23 NW SE SE 992FSL / 981FEL

Cost Center Lease Number Property Code API Number

G01028400200 G010284

KSSY31S14E2316 15-125-31645

Spud Date

RDMO Date First Compl **First Prod**

EFM Install

CygnetID

6/27/2008

Reported By KRD

7/7/2008

8/8/2008

8/13/2008

8/13/2008

SCHABEL_16_23

PBTD

Tbq Size

Csq Size

1437

1434.75

21

1434,75

Taken By

Rig Number

Sf Csg Depth Pr Csg Depth

Date Down Time 6/27/2008

KRD

Present Operation PERF AND FRAC

Contractor

CONSOLIDATED

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 21' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. ONE DWC:\$2880

AS 29 208

KICK

RECEIVED KANSAS CORPORATION COMMISSION Page 8 of 8





TICKET NUMBER	1873 3
LOCATION EUREKA	
EOREMAN AS WAY	Cov

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

FIELD TICKET & TREATMENT REPORT CEMENT

0E0-401-0E10	0. 000 10. 00.	•		—	<u> </u>	in the second se		
DATE	CUSTOMER#	WE	LL NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
7-8-08	4758	Schabe	L 16-23					me
CUSTOMER	1 / 12 -					A Property of		
	e ENGRAY		· .	Gus	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRI	ESS			Joves	445	Justin		
P.o. 2	30× 160			Rigi	502	Phillyp		
CITY		STATE	ZIP CODE	7,77				
Sycamor	e	Ks						
JOB TYPE LON		HOLE SIZE_	634	HOLE DEPTH	1437	CASING SIZE & V	EIGHT 4%	10.5 " NEW
CASING DEPTH		DRILL PIPE_		_TUBING	· .		OTHER	annangagagan () () () () () () ()
SLURRY WEIGH		SLURRY VOL	50 BbL	WATER gal/s	sk 6.1	CEMENT LEFT in	CASING O'	
	T 23 BLL	DISPLACEME	NT PSI	MIX PSI		RATE		haliana and an own on the d
REMARKS: SA	rety Meeting	: Riguo	to 41/2 CAS	ING. BREAK	K CIRCUlati	or up 35 BK	. FRESH WA	ete.
Pumo 6	oks Gel flo	ish wil the	Us 8 BBL	water Spa	xee. Mixed	200 SKS 50	So America	Coment
w/ 24 C	ACL2 2% G	el yo Kol	-SEAL 3 C	AL-SEAL 1	18 Phanose	AL 12% CFE	-110 14 %	CAF-38
@ 13.9 4/	gal yield !	.46 . WAS	hout Pung	of Lines.	Shut down.	Release Plug	. Disolace	e w/ 23
BLL foest	water . fin	VAL PUMP	no ARESSUM	- 800 ASI.	. Bump Plug	78 1300 PSI.	WAIT 2 1	armutes .
Release Pa	essure. Flor	T Held,	Good Gene	ent Artur	ns to Surk	na = 5 86	(Street (AO SKS)
	Job Complex							
7	J3	: : :						

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	825.00
5406	40	MILEAGE	3.65	146-00
1124	200 SKs	So/So Pozmix Cement	9.75	1950-00
1102	<i>335</i> *	CASL2 2%	- 75+	251.25
1118 A	335 *	Gel 2"L	.17*	56.95
1110 A	800 *	KOL-SEAL 4"/SK	-42	336-00
1101	600 *	CAL-SOAL 3"/SK	.36	216.00
1107 A	25 *	Pheno Seal 1/8 6/5K	1.15	28.75
1135	84 *	CFL-110 1/2 1/2	7.50 *	634 - 00
1146	42 *	CAF-38 1/4 %	7.70	323.40
1118 A	300 "	Gel Flush	.17 **	5/100
//05	50 *	Hulls	. 37 "	19.50
5407 A	8.4 Tous	Tow Milegge BULK TRUCK	1.20	403.20
4404		41/2 Top Rubber Plag	45.00	45.00
				,
			Sub Total	5382.05
		THANK YOU 5:3%	SALES TAX	207.12
vin 3737		993400	ESTIMATED	5589.17

AUTHORIZTION CALLED BY JACOB

TITLE LAYNE Co. Rep.

KANSAS CORPORATION CO