.COMFIDENTIAL

KANSAS CORPORATION COMMISSION RIGHTS ON & GAS CONSERVATION DIVISION RIGHTS OF THE CONTROL OF THE

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31042-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	1980 feet from (S)/ N (circle one) Line of Section
Purchaser:	1980 feet from E / (M) (circle one) Line of Section
Operator Contact Person: M. Brent Nattrass	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960	(circle one) NE SE NW SW
Contractor: Name: Thornton Air Rotary	Lease Name: Schabel Well #: 11-23
33606 NOV 1 6 LOSS	Field Name: Cherokee Basin Coal Area
Wellsite Geologist: CONSTITUTE OF STATE	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 898' Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1523' Plug Back Total Depth: 1518.7'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 20 Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1519'
Operator:	feet depth to Surface w/ 155 sx cmt.
Well Name:	
Original Comp. Date:Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
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:
	Lease Name: License No.:
7/24/2006 7/26/2006 4/11/2007 Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	
herein are complete and correct to the best of my knowledge.	te the oil and gas industry have been fully complied with and the statements
Signature: /95 /VWWa>	KCC Office Use ONLY
Title: Agent Date: 7/3//07	Letter of Confidentiality Attached
Subscribed and sworn to before me this 31 day of July	If Denied, Yes Date:
20 D7	Wireline Log Received
Must all Neilino.	Geologist Report Received
· / · / Para di	CLAUGHLIN DARLING C Distribution KANSAS CORPORATION COMMISSION
Date Commission Expires.	
	Appt. Expires 17472009 AUG 0 1 2007

Operator Name: Layı	L	Lease Name: Schabel We				23			
Sec. 23 Twp. 31	ec. 23 Twp. 31 S. R. 14 Vest County: Montgomery								
INSTRUCTIONS: Sh tested, time tool open temperature, fluid rece Electric Wireline Logs	and closed, flowing overy, and flow rate	g and shut-in pre s if gas to surfac	ssures, whethe test, along v	ner shut-in pr with final cha	essure reached	static level, hydro	ostatic pressur	es, bottom hole	
Drill Stem Tests Taker (Attach Additional S		☐ Yes 🕟	/ No	Įν	✓ Log Formation (Top), Depth and Datum Sample			Sample	
Samples Sent to Geo	logical Survey	Yes V	☑No	Nan	ne		Тор	Datum	
Cores Taken			_ ☑No	Paw	nee Lime		904 GL	-6	
Electric Log Run (Submit Copy)		✓ Yes	No	Exc	ello Shale		1037 GL	-139	
		MC	C	V SI	nale		1092 GL	-194	
List All E. Logs Run:		80V 16	2006	Min	eral Coal		1139 GL	-241	
Compensated De	ensity Neutron	COMFID MOV 1 6	GATIAL	NA:-			1415 GL	-517	
Dual Induction		COMPIN	E & A .	IVIIS	sissippian		1415 GL	-517	
	······································		CASING RECO		ew Used ermediate, produc	ction, etc.		11.1° (11.11)	
Purpose of String	Size Hole Drilled	Size Casir Set (In O.E		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives	
Surface	11"	8.625"	24		20'	Class A	4	Type 1 cemen	
Casing	6.75"	4.5"	10.	5	1519'	Thick Set	155		
		ADD	TIONAL CEMI	ENTING / SQI	JEEZE RECOR	D			
Purpose:	Depth Top Bottom	Type of Cem	ent #S	Sacks Used	ks Used Type and Percent Additives				
Perforate Protect Casing Plug Back TD									
Plug Off Zone									
Shots Per Foot		ON RECORD - Br Footage of Each Int				acture, Shot, Cemen		d Depth	
	See Attached P							Jopan	
		-9-		4,24,444					
	· · · · · · · · · · · · · · · · · · ·								
	,								
TUBING RECORD 2-3/	Size	Set At 1386'	Pad	cker At	Liner Run	Yes 🗸 No)	<u> </u>	
Date of First, Resumerd 5/7/2007	Production, SWD or E	1	cing Method	Flowin	g 🗸 Pump	ing Gas Li	ft Othe	er (Explain)	
Estimated Production Per 24 Hours	Oil 0	Bbls. G	as Mcf	Wate	er E	3bls. C	Gas-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF (i			Production Inte	rval	~~ ~~		
Vented ✓ Sold (If vented, Sub	Used on Lease		en Hole 🗸	Perf.	Oually Comp.	Commingled _		CEIVED DRATION COMMISSION	
							AUG	0 1 2007	



Layne Energy Operating, LLC.	•	
Schabel 11-23		
Sec. 23 Twp. 31S Rng. 14E, Montgomery County		
15-125-31042-00-00		
Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Pe	erforations	•
Powe 1265 5' 1269'	7200 lbs 20/40 sand	
Nowe 1303.5 - 1300	256 bbls water	1365.5' - 1368'
	200 gals 15% HCl acid	
Mineral 1138.5' - 1141'	7200 lbs 20/40 sand	
V-Shale (Croweburg) 1092' - 1095.5'	566 bbls water	1072' - 1141'
Bevier 1072' - 1073.5'	1000 gals 15% HCl acid	
	Schabel 11-23 Sec. 23 Twp. 31S Rng. 14E, Montgomery County 15-125-31042-00-00 Perforation Record Initial Performation 1138.5' - 1368' Mineral 1138.5' - 1141' V-Shale (Croweburg) 1092' - 1095.5'	Schabel 11-23

RECEIVED KANSAS CORPORATION COMMISSION

AUG 0 1 2007

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

July 31, 2007

KCC NOV 1 6 2006 CONFIDENTIAL

Mr. Steve Bond Kansas Corporation Commission Oil & Gas Conservation Division 130 S. Market, Room 2078 Wichita, KS 67202

CONFIDENTIAL

Re:

Amended Well Completion Forms

Dear Mr. Bond:

I have enclosed the amended ACO-1 form and associated data for the following well:

API # 15-125-31042-00-00 Schabel 11-23

We respectfully request that all information submitted be kept confidential. Per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information, please contact me at (913) 748-3960.

Sincerely,

MacLaughlin Darling

MacLaughlin Darling

Engineering Technician

Enclosures

cc:

Well File

Field Office

RECEIVED KANSAS CORPORATION COMMISSION

AUG 0 1 2007

LEGIC DENERSY)

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINA Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31042-00-00
Name: Layne Energy Operating, LLC	County: Montgomery
Address: 1900 Shawnee Mission Parkway	
City/State/Zip: Mission Woods, KS 66205	1980 feet from S/ N (circle one) Line of Section
Purchaser:	1980 feet from E / ((circle one) Line of Section
Operator Contact Person: M. B. Nattrass	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3987 NOV 1 6 2036	(circle one) NE SE NW SW
Contractor: Name: Thornton Air Rotary CONFIDENTIAL	Lease Name: Schabel Well #: 11-23
License: 33606	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 898 Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1523 Plug Back Total Depth: 1518.7
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 20 Feet
✓ GasENHR ✓ SIGW	Multiple Stage Cementing Collar Used? Yes 7 No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
f Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1519
Operator:	feet depth to Surface w/ 155 sx cmt.
Well Name:	
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ALL II NH 8 15-08
Deepening Re-perf Conv. to Enhr./SWD	N/A
Plug BackPlug Back Total Depth	Chloride content ppm Fluid volume bbls Dewatering method used N/A - Air Drilled
Commingled Docket No	Dewatering method used 1977 All Brilled
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name: CORPORATION COMMISSION
	Lease Name: Licens 17 2006
7/24/2006 7/26/2006 Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. SCONSERVATION DIVISION County: Docket No. Wickers Division
Recompletion Date Recompletion Date	County: Docket No.: WICHTA KS
Information of side two of this form will be held confidential for a period of 1 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING
MR N/	·
Signature: 110#RWO	KCC Office Use ONLY
ritle: Agent Date: 1/1/6/06	Letter of Confidentiality Attached
Subscribed and sworn to before me this 16 day of 18 November	If Denied, Yes Date:
011 0 11 0 2	Wireline Log Received
Kaska (VML/L)	Geologist Report Received
lotary Public:	UIC Distribution
Date Commission Expires: 122807	
	LIC - State Of Kansas E.C. MAXFIELD Kp. 12/28/09

. 1

KCC NOV 1 6 2005

p	rator Name: Layne Energy Operating, LLC Lease Name: S				Schapei		Well #: <u>11</u>	-23		
Sec. 23 Twp. 2	S. R14			gomery			CONFIDEN			
ested, tíme tool ope emperature, fluid re	Show important tops on and closed, flowing covery, and flow rate gs surveyed. Attach	ng and shutes if gas to	in pressures, surface test, a	whether shalong with fi	rut-in pre	essure reached	d static level, hyd	drostatic pressu		
Orill Stem Tests Take		Ye	s 📝 No		✓ L	og Forma	tion (Top), Depti	n and Datum	Sample	
amples Sent to Ge	,	Ye	s 🗹 No		Nam	е		Тор	Datum	
Cores Taken	ological Survey	☐ Ye	_		Paw	nee Lime		904 GL	-6	
lectric Log Run (Submit Copy)		✓ Ye			Exce	ello Shale		1037 GL	-139	
ist All E. Logs Run:					V Sr	nale		1092 GL	-194	
Compensated D					Mine	eral Coal		1139 GL	-241	
Dual Induction					Miss	sissippian		1415 GL	517	
	•	Repor		RECORD	✓ Ne	ew Used	ction, etc.	•		
Purpose of String	Size Hole Drilled	Size	Casing (In O.D.)	Weig	ght	Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives	
Surface	11	8.65	(III O.D.)	24	т.	20'	Class A	4	Type 1 cement	
Casing	6.75	4.5		10.5		1519'	Thick Set	155		
			ADDITIONAL	CEMENTIN	VG / SOI	JEEZE RECOR	ın.		1	
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	T	#Sacks Used Type and Percent Additives			98		
Protect Casing Plug Back TD										
Plug Off Zone										
Shots Per Foot			D - Bridge Plug				acture, Shot, Cem			
			ach Interval Per	Torated		(Amount and Kind of Material Used) Depth				
	SI-waiting on co	nihiellou					KAJ	NSAS CORPOR	EIVED ATION COMMISSION	
								NOV 1	7 2006	
								CONSERVATION	2000	
								CONSERVATION WICHIT	ON DIVISION 1, KS	
	i					Liner Run				
TUBING RECORD	Síze	Set At		Packer A	τ		Yes 🔀	No		
V. Color	rd Production, SWD or	· · · · · · · · · · · · · · · · · · ·	Producing Met	hod	T Flowing		Yes XI		her (<i>Explain</i>)	
	rd Production, SWD or	· · · · · · · · · · · · · · · · · · ·		hod		g Pump			her (Explain) Gravity	



MORNING COMPLETION REPORT

Report Called in by: : John Ed Report taken by:

LEASE NAME & #		AFE#	DATE	DAYS	CIBP	PBTD
					DEPTH	TYPE FLUID
CHABEL 11-23 G0 PRESENT OPERATION:		G01028400100	7/24/2006	1	TYPE	DAT
RESENT OPERATI	ION:		DRILL OUT	FROM UNDER SURFA	CE	VIS
DEEPEST CASING	LINERS OD TOP & SHOE	DEPTH	REPAIR DOW		CONTRACTOR MOKA	
DD SHOE DEPTH				- ····· <u>-</u> ·····	RIG NO	
	8 5/8" 24# J-55 Set 20"		TEST	PERFS		
PACKER OR ANCHOR	FISHING TOOLS	OD ID		то	SQUEEZED (OR PLUG BACK PERFS
				то		то
				TO		TO
				TO TO		TO TO
1150				10		10
HRS	BRIEF DESCRIPTION	N OF OPERATIO	N			
						
	MIRU THORTON DR	ILLING, DRILLE	D 11" HOLE,	20' DEEP, RIH W/ 1 JT	8 5/8" SURFACE CASIN	G,
	MIXED 4 SXS TYPE	1 CEMENT, DUN	IPED DN TH	E BACKSIDE SDEN		
		<u>, , , , , , , , , , , , , , , , , , , </u>	25 511 111	2 5/10/10/52, 05/11		
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						KANSAS CORRESPONDED
		· · · · · · · · · · · · · · · · · · ·			7.5.41	KANSAS CORPORATION COI
						NOV 17 2006
						CONSCO
						WICH THE PROPERTY OF THE PROPE
	l. ;-					CONSERVATION DIVISION WICHITA, KS
AILY COST ANAL	YSIS					
					DETAILS OF RENTALS, SERV	ICES, & MISC
RIG				DRILLI	NG @ 7.50/ft	
						90
					(CEMENT)	80
SUPERVISION	200			DIRTW	ORKS (LOC,RD, PIT)	400
				SURFA	CE CASING	200
RENTALS				LAND/ I	.EGAL	2000
ED\#050						
ERVICES	400					
					·	
MISC	2280					
					· · · · · · · · · · · · · · · · · · ·	
						·
AILY TOTALS	2880	PREVIOU	JS TCTD		TCTD 288	0

CONSOLIDATED OIL WELL SERVICES, INC. P.O. BOX 884, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

AUTHORIZATION Called by John Ed

NOV 1 6 2006 CONFIDENTIAL

TICKET NUN	BER	<u> 10375</u>	
LOCATION_	Eur	eka	
FOREMAN	Tome	ے سام یہ زمیل	

TREATMENT REPORT & FIELD TICKET **CEMENT**

DATE	CUSTOMER#	WEL	L NAME & NUM	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-26-06	4758	Schal	sel 11	- <i>2</i> 3				MG
CUSTOMER								
Lay	ne Energiss	19		ا م	TRUCK #	DRIVER	TRUCK#	DRIVER
				Gus	446	Calin		
P.O.	BOX 160			Jones	Saz	Cliff		
CITY		STATE	ZIP CODE					
Sycamor	م.	KS						
JOB TYPE Lo	astria	HOLE SIZE	634"	HOLE DEPTH	1523'	CASING SIZE & W	EIGHT 44"	10.50
	<u> 1519'</u>						OTHER	
SLURRY WEIGH	T_13.24	SLURRY VOL_	4886/	WATER gal/sl	<u> 8° </u>	CEMENT LEFT in	CASING_0'	
	24.261							
REMARKS:	Safety M	acting: Ric	w to	45" Cas	ing. Brest	Circulation	w/ 50K1	water
Rump 151	<u> 861 Gel - F</u>	Tush 1 586	1 water s	pacer, 10	obbi meta	silicate Ae-	Flush, 15	Bbl Dye, .
mixed	155555	Thick Set	Cement	W/18#	Kol-Scal	@ 13.2 H AN	ful. wa	sh out
Primp +	lines. R	elease t	que Dr	sokce w	124.286	water. F	inal Pu	mo Aresure
900 PSI	- Bump	Pho to	1400 RS.	L. Wait	- 2mms	Release +	ressure.	float
HeH.	Good C	ement	to Sud	face = 8	B61 Slung	to P.t.	•	
				BEC	'EIVED (
			K	ANSAS CORPOR	RATION COMMISS	10NJOh Cony	Nete	
				_NOV	1 7 2006			

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OF PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	<i>80</i> 0.00	800.00
5406	40	MILEAGE 15t of 3 wells	3.15	126.00
1126A	1555ks	Thick Set Cement	14.65	2270.75
1110A	1550 #	Kol-Seel 10 4 Par/sk	.36 #	558.00
1118A	200*	Gel-Flush	. 14 *	28.50
IIIIA	504	Metasilicate Ae-Flysh	1.65 #	82.50
5407A	8.52 Tons	Ton-Milege Bulk Tank	1.05	357.84
4404		45" Top Rubber Plus	40.00	40.00
		Thank You		
		S	Sub Total 33 SALES TAX	4263.09 157.89
		201421	ESTIMATED TOTAL	4420.98

GEOLOGIC REPORT

LAYNE ENERGY
Schabel 11-23
NE SW, 1980 FSL, 1980 FWL
Section 23-T31S-R14E

Montgomery County, KS

KCC

ATRIV 1 6 2006

CONFIDENTIAL

Spud Date:	7/24/2006
Drilling Completed:	7/26/2006
Logged:	7/26/2006
A.P.I. #:	1512531042

Ground Elevation: 898'
Depth Driller: 1523'
Depth Logger: 1526'

Mississippian

Surface Casing: 8.625 inches at 20' Production Casing: 4.5 inches at 1519'

Cemented Job: Consolidated

Open Hole Logs: Dual Induction SFL/GR, High Resolution

Compensated Density/Neutron

Formation Tops (in feet below ground level)

Lansing Group

Pawnee Limestone

Excello Shale

"V" Shale

Mineral Coal

Surface (South Bend Limestone Member)

904

1,037

1,092

1,139

1,415



- Layne Energy, Inc.

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

November 16, 2006

Kansas Corporation Commission Oil & Gas Conservation Division 130 S. Market, Room 2078 Wichita, KS 67202 KCC NOV 1 6 2006 CONFIDENTIAL

RECEIVED

NOV 17 2006

CONSERVATION DIVISION

Re: Well Completion Form

To Whom It May Concern:

I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31042 Schabel 11-23

We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information or have any questions or comments, please contact me at (913) 748-3987.

Best regards,

Brooke C. Makfield

Enclosures

Cc Well File

Field Office

