CONFIDENTIAL RANSAS CORPORATION COMMISSION OF A CONSERVATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL Form ACO-1
September 1999
Form Must Be Typed

WICHITA, KS

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-31387-00-00
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) W (circle one) Line of Section
Operator Contact Person: Timothy H. Wright	Footages Calculated from Nearest Outside Section Corner:
Phone: (913) 748-3960 CONFIDENTIA	(circle one) NE SE NW SW
Contractor: Name: McPherson Drilling CCT 2 3 2007	Lease Name: Fowler Well #: 7-19
5675	Field Name: Cherokee Basin Coal Area
Wellsite Geologist:	Producing Formation: Cherokee Coals
Designate Type of Completion:	Elevation: Ground: 831' Kelly Bushing:
✓ New Well Re-Entry Workover	Total Depth: 1490' Plug Back Total Depth: 1484'
Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 44 Feet
✓ GasENHR ✓ 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 1484
Operator:	feet depth to Surface w/ 155 sx cmt.
Well Name:	1 . 1.1.1.0 0.5
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ATT INS 3-1205 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
Plug BackPlug 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:
6/28/2007 7/9/2007 8/10/2007	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with 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 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r 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
All requirements of the statutes, rules and regulations promulgated to regulat 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	KCC Office Use ONLY
Title: Agent Date: 10-Zz-07	Letter of Confidentiality Attached
Subscribed and sworn to before me this 22 day of Ottobur	If Denied, Yes Date: RECEIVED
20_07	Wireline Log RecelandSAS CORPORATION COMMISSION
Notary Public: MacLaugulin Darline	Geologist Report Received UIC Distribution OCT 2 4 2007
Date Commission Expires: 1-4-2009 Mac	LAUGHLIN DARLING ry Public - State of Kansas CONSERVATION DIVISION

My Appt. Expires 1-4-2009

Operator _s Name: Lay	ne Energy Opera	ating, LLC	Lease	Name:	Fowler	,	Well #: <u>7-</u> 1	9
sec. 19 Twp. 3	2 S. R. 14	✓ East	County	y: Mont	gomery			
ested, time tool oper emperature, fluid_rec	and closed, flowin overy, and flow rate	and base of formations p g and shut-in pressures, es if gas to surface test, a final geological well site i	whether sl llong with f	hut-in pr	essure reached	d static level, hydi	rostatic pressu	res, bottom hole
rill Stem Tests Take		Yes 🗸 No		⊘ L	.og Forma	tion (Top), Depth	and Datum	Sample
amples Sent to Geo	•	☐ Yes 🗸 No		Nam	ne		Тор	Datum
ores Taken	,	Yes No		Paw	nee Lime		918 GL	-87
lectric Log Run (Submit Copy)		✓ Yes No		Exce	ello Shale		1062 GL	-231
st All E. Logs Run:				V SI	nale		1107 GL	-276
Compensated De	ensity Neutron	CONFIDENTIAL		Mine	eral Coal		1153 GL	
Dual Induction		OCT 2 3 2007		Mis	sissippian		1424 GL	-593
		Report all strings set-	RECORD	✓ Nourface, into		ction, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Wei		Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24		44'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5		1484'	Thick Set	155	#10 KOL seal @ sx
12		ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECOR	D		
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks	Used		Type and	Percent Additive	S
Shots Per Foot		ON RECORD - Bridge Plug				acture, Shot, Cemer		ırd
	Specify Footage of Each Interval Perforated (Amount and Kind of Material Use		laterial Used)	Depth				
	See Attached Page 1	age					······································	
						- ####################################	KANSA	RECEIVED S CORPORATION COMMIS
								OCT 24 2007
								ONSERVATION DIVISION
UBING RECORD 2-3	Size /8"	Set At 1410'	Packer A	t .	Liner Run	Yes 🗸 No		WICHITA, KS
ate of First, Resumerd	Production, SWD or E		nod	——————————————————————————————————————				
SI - waiting on stimated Production	· · · · · · · · · · · · · · · · · · ·	Bbis. Gas	Mcf	Flowing 			ft Oth Gas-Oil Ratio	er (Explain) Gravity
Per 24 Hours							·	
Disposition of Gas	METHOD OF C	COMPLETION			Production Inte	rval		
Vented Sold (If vented, Sub	Used on Lease mit ACO-18.)	Open Hole Other (Specia	Perf.		ually Comp.	Commingled _		

	5.	The state of the s	
Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Fowler 7-19		
	Sec. 19 Twp. 32S Rng. 14E, Montgomery County		
API:	15-125-31387-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Initial Po	erforations	
4	Riverton 1386' - 1388' Rowe 1331' - 1334'	5700 lbs 20/40 sand 456 bbls water 900 gals 15% HCl acid	1331' - 1388'
4	Tebo 1194' - 1195.5' Mineral 1153' - 1154.5'	3700 lbs 20/40 sand 353 bbls water 350 gals 15% HCl acid	1153' - 1195.5'
4	V-Shale 1108' - 1111' Bevier 1086' - 1088' Mulky 1062' - 1068' Summit 1037' - 1040'	12500 lbs 20/40 sand 901 bbls water 800 gals 15% HCl acid	1037' - 1111'

CONFIDENTIAL OCT 2 3 2007 KCC

RECEIVED KANSAS CORPORATION COMMISSION

OCT 24 2007

CONSERVATION DIVISION WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, INC. P.O. BOX 884, CHANUTE, K\$ 66720 520-431-9210 OR 800-467-8676

AUTHORIZATION.

CONFIDENTIAL

OCT 2 3 2007

12061 ET NUMBER_ FOREMAN RICK LEGGERD

TREATMENT REPORT & FIELD TICKET

DATE OUSTOMER WELL NAMES NUMBER 7-10-07 9758 TOWER 2-19 2-10-07 9758 TOWER 2-19 DISTOMER LAYNE STATE 2-19 THE COUNTY STATE 2-19 THE CASH TO CASH THE STATE 2-19 THE COUNTY STATE 2-19 THE COUNTY CASH TO CASH THE STATE 2-19 THE COUNTY CASH TO CASH THE STATE 2-			·	EATMENT	CEMENT		TOWNSHIP	RANGE	COUNTY
TRUCKS DRIVER TRUCKS OR VERY TRUCKS OF TRUCKS OR VERY TRUCKS OF TRUCKS	DATE	CUSTOMER#	WEL	L NAME & NUM	BER	SECTION	OWNSER		
TRUCK # DRIVER TRUCK			FOULER	7-19					
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ELLERY WEIGHT 23 SAI DISPLACEMENT PS 180 PS 1400 RATE SPACEMENT 23 SAI DISPLACEMENT PS 180 PS 1400 RATE REMARKS SQFet, methog- Rig up to 44% casing wash dawn 280' to 1484 PAGE 20 SAI water spaces 20 ASI methog- Rig up to 44% casing water space 20 ASI methog- Rig up to 44% casing water space 20 ASI methog- Rig up to 44% casing plug to 1400 RSL water space 20 Final pump at loses that dawn calease plug Displace 123 Sai Fresh water pump to 1000 pressure Pag 183. Bump plug to 1400 RSL wait 2 minutes Final pump pressure Pag 183. Bump plug to 1400 RSL wait 2 minutes Final pump pressure Pag 183. Bump plug to 1400 RSL wait 2 minutes Final pump pressure Pag 183. Bump plug to 1400 RSL wait 2 minutes Final pump pressure Pag 183. Bump plug to 1400 RSL wait 2 minutes Final pump pressure Rober 100 Cample Was to surface 8 Sail slury to pit. ACCOUNT CODE ACCOUNT QUANTITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE T ACCOUNT CODE Syole YA MILEAGE 890.00 R 1126A 155 SES that at cenest 15 your 2 1126A 155 SES that at cenest 2 1126A 155 SES that at cenest 2 1126A 155 SES that at cenest 2 1126A 155 S	ASING DEPT	1 1434		48 00/	_	1 B. 0	CEMENT LEFT In	CASING O	
REMARKS: Safely meeting: Rig up to 4%" casing less dam 28 to 1988 Li fresh water Rung 8 ses gentlash of hills in Bild water space 20 All metasilizate pre-flush, 5 Bel water space 1981 & 132 " Jane 1982" All metasilizate pre-flush, 5 Bel water space 1981 & 132 " Jane 1982" All metasilizate pre-flush of Services of Page 12 to 1982 water water water pump at lines, shut dam, release plus Orsplace w/ 23.5 Be) fresh water pump at lines, shut dam, release plus Orsplace w/ 23.5 Be) fresh water freeze pressure that held cood carent retwins to surface = 8 Bel slurry to pit. Thank to " Account of Quantity or units of Services of Product unit price to 1980 water freeze water fre	LURRY WEIG	HT /3			. A. A		RATE		
EMARKS: Sazet, Method 3 set 3 gel-flush / hulls, 10 Bbl water spaces. 20 ASI metasilmant pre-flush 5 Bbl water spaces. 14 Bbl die water. Mind ASI metasilmant pre-flush 5 Bbl water spaces. 14 Bbl die water. Mind ISS 282 thickest commant w/ 10 Kol-son/ 1838. 20 13 2 mark. Lesshout Pump & lines, Shut down, 12 bases plus Displace w/ 23.5 Bb) Fresh water Final pump pressure 926 Bt. Bump plus to 1400 Bt2. Lest 2 minutes Final pump pressure. Float held (sood commit retwins to surface = 8 Bbl 3 Lurry to pid. Thank bu'' ACCOUNT CODE ACCOUNT OUANTITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TO SUPPLY By. ACCOUNT CODE SYOL			A	_	41/2" (05.	10 m. 1195	h down 28	1' to 148	У
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4404 / 41/2" top cubber play CONSERVATION DIVISION WICHITA, KS WICHITA, KS Subtraly 46.					1	4 KAN	SAS CORPORATION CO	/ /A	325.32
4494 / 4½" top cubber play CONSERVATION DIVISION WICHTA, KS Subtiday 46.	SYATA	8.) J	701- M	lease bulk	TK			
CONSERVATION DIVISION WICHTA, KS Subtate) 46				/// 1/ 2	1.1	-	OCT		40.00
subtidal 46	4404			- 4/2 T	A CANDON	P19	CONSERVATION DIV	1121014	
							WICHTA, KS		
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				_				schtidal	4659.92
1. JM_1 ***** / .							£ 22		175.57
ESTIMATED				<u> </u>	<u> </u>	;		ESTIMATED	4835.4

#17104

GEOLOGIC REPORT

LAYNE ENERGY
Fowler 7-19
SW NE, 1980 FNL, 1980 FEL
Section 19-T32S-R14E
Montgomery County, KS

Spud Date: Drilling Completed: Logged: A.P.I. #: Ground Elevation: Depth Driller: Depth Logger: Surface Casing: Production Casing: Cemented Job: Open Hole Logs:	6/28/2007 7/9/2007 7/9/2007 15125313870000 831' ' 14884' 8.625 inches at 44' 4.5 inches at 1484' 0 Dual Induction SFL/GR, High Res	CONFIDENTIAL OCT 2 3 2007 KCC
Open Hole Logs:	Dual Induction SFL/GR, High Res Compensated Density/Neutron	solution

Formation	Tops				
	(below ground) Surface (Weston	(subsea)			
Douglas Group	Shale Member)	831			
Pawnee Limestone	918	-87			
Excello Shale	1,062	-231			
"V" Shale	1,107	-276			
Mineral Coal	1,153	-322			
Mississippian	1,424	-593			

RECEIVED KANSAS CORPORATION COMMISSION

OCT 24 2007

CONSERVATION DIVISION WICHITA, KS

Daily Well Work Report

FOWLER 7-19 6/28/2007

Well Location: MONTGOMERY KS 32S-14E-19 SW NE 1980FNL / 1980FEL Cost Center Lease Number Property Code G01050900100 G010509

Property Code API Number KSLE32S14E1907 15-125-31387

Spud Date

RDMO Date

First Compl

First Prod EF

EFM Install

CygnetID

6/28/2007

Reported By krd

Present Operation

7/9/2007

8/10/2007

8/21/2007

FOWLER_7_19

טו יייי PBTD

Sf Csg Depth Pr Csg Depth

Tbg Size

Csg Size

1490

1484

44

1484

Date

6/28/2007

Taken By

krd

Rig Number

Drill out from under surface

Down Time Contractor

McPherson Drilling

Narrative

MIRU Mcpherson Drilling, drilled 11 'hole, 44' deep, rih w/2 jts 8-5/8" surface casing. Mixed 8 sxs type 1 cement, dumped dn the back side. SDFN. DWC:\$3,160

CONFIDENTIAL OCT 2.3 2007 KCC

RECEIVED KANSAS CORPORATION COMMISSION

OCT 24 2007

CONSERVATION DIVISION WICHITA, I'S