

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 # 6039
Name: L. D. Drilling, Inc.
Address: 7 SW 26th Avenue
City/State/Zip: Great Bend, KS 67530
Purchaser: NCRA
Operator Contact Person: L. D. Davis
Phone: (620) 793-3051
Contractor: Name: Petromark Drilling, Inc.
License: 33323
Wellsite Geologist: James Musgrove
Designate Type of Completion:
New Well Re-Entry Workover
Oil SWD SIOW Temp. Abd.
Gas ENHR SIGW
Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
Plug Back Plug Back Total Depth
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Enhr.?) Docket No.
6-17-04 6-24-04 6-29-04
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 009-24792-00-00
County: Barton
NE SE NE Sec. 12 Twp. 18 S. R. 14 East West
1650 feet from S (N) (circle one) Line of Section
330 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Glass Well #: 1
Field Name: Boyd Crossing
Producing Formation: Arbuckle
Elevation: Ground: 1845' Kelly Bushing: 1850'
Total Depth: 3391' Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at 3390 785 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set Feet
Alternate II completion, cement circulated from
feet depth to w/ sx cmt.
Drilling Fluid Management Plan ALT #1 KJR 6/13/07
Date 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 No.:
Quarter Sec. Twp. S. R. East West
County: Docket No.:

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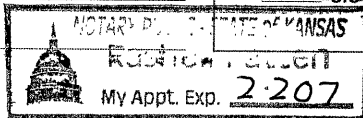
KCC WICHITA

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.

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: Bessie Newhoff
Title: Secretary/Treasurer Date: 7-13-04
Subscribed and sworn to before me this 13th day of July
20 04
Notary Public: Rachael Patten
Date Commission Expires: 2-2-07

KCC Office Use ONLY
No Letter of Confidentiality Received
If Denied, Yes Date:
Wireline Log Received
Geologist Report Received
UIC-Distribution



ORIGINAL

Operator Name: L. D. Drilling, Inc. Lease Name: Glass Well #: 1
 Sec. 12 Twp. 18 S. R. 14 East West County: Barton

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 (See attached Geologist Report)

List All E. Logs Run:

Radiation Guard Log

CASING RECORD <input checked="" 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
Surface		8 5/8"	24#	785'	60/40	200	2% gel, 3% cc
Production		5 1/2"	14#	3390'	50/50 Poz 60/40 Poz	125/ 25 sk RH	10% salt, 5# gil, 8 FLA

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
2	3322' - 3325'		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	3371'		
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
7-1-04	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbbls.	Gas Mcf	Water Bbbls.	Gas-Oil Ratio Gravity
	30		200	

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____



TREATMENT REPORT

Customer ID	Date	
Customer	6-18-04	
Lease	Lease No.	Well #
L.O. Delg		1
G/ASS	County	State
	BARTON	KS

Field Order #	Station	Casing	Depth	County	State
8435	PRATT	8 5/8	785	BARTON	KS
Job	Formation		Legal Description		
8 5/8 SURFACE NEW WELL	TO-787				

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Rate	Press	ISIP		
8 5/8			LEAD	190 SKS A-CON	3 1/2 CC			
Depth	Depth	From	To	Pre Pad	Max	5 Min.		
785				12 1/2 GAL 2 SSP3				
Volume	Volume	From	To	Pad	Min	10 Min.		
48.9			TAIL	200 SKS 60/40 POC				
Max Press	Max Press	From	To	Frac	Avg	15 Min.		
1000				2 1/2 GAL 3 1/2 CC				
Well Connection	Annulus Vol.	From	To		HHP Used	Annulus Pressure		
PC				14.7 GAL 1.25 SP3				
Plug Depth	Packer Depth	From	To	Flush	Gas Volume	Total Load		
170								

Customer Representative	Station Manager	Treater
GALEN	D. AUSTIN	T. SEBA

Service Units	114	27	81	76				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00					Called out
2:00					ON LOC w/ TRK's / SAFETY MTG.
					Run 18T's 8 5/8 24" CSG NEW SET
					START CSG
					CSG ON BOTTOM
					Hook up to CSG. Break circ w/ RIG
3:12	100		10	5	START Pumping H ₂ O
			36.29		START MIX Pump 190 SKS A-CON & 12 1/2 GAL 3 1/2 CC
			44.53		START MIX Pump 200 SKS 60/40 POC & 14.7 GAL 1.25 SP3
					2 1/2 GAL 3 1/2 CC
					SHUT DOWN Release Plug
3:40	100			5	START DISP
	300		48.9		Plug DOWN
3:50	300				Close Valve ON CSG.
					Good Circulation JO3
					Circ @ 100 TO PIT
4:30					JO3 Complete

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THANKS TODD



TREATMENT REPORT

Customer ID	Date		
Customer <i>L.D. Drilling Inc</i>	<i>6-26-04</i>		
Lease <i>Glass</i>	Lease No.	Well # <i>1</i>	

Field Order # <i>8127</i>	Station <i>Pratt KS</i>	Casing <i>5 1/2</i>	Depth <i>3390</i>	County <i>Barton</i>	State <i>KS</i>
Type Job <i>Long string New well</i>			Formation	Legal Description <i>12-18s-14w</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>6 1/2</i>	Tubing Size	Shots/Ft <i>1.32</i>	<i>14.8 pps</i>	Acid <i>125skt 50-50 por 5#6 set</i>	RATE	PRESS <i>2000</i>	ISIP	
Depth <i>3378</i>	Depth	From	To	Pre Pad <i>10% Salt 5#6il, 8FLA-3</i>	Max		5 Min.	
Volume <i>82.4</i>	Volume	From	To	Pad <i>25skt 60-40 por</i>	Min		10 Min.	
Max Press <i>2000</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <i>20 Bbl A-Flush</i>	Gas Volume		Total Load	

Customer Representative <i>L.D. Davis</i>	Station Manager <i>D. Autry</i>	Treater <i>D. Scott</i>
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Service Units	<i>118</i>	<i>27</i>	<i>47</i>	<i>76</i>				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1600</i>					<i>On loc w/Trki Safety mtg G.S. Bottom Csg ISFV w/Fill Top S.J. Cent 1-3-5-7-9 Csg on Bottom Drop Ball + Circ w/Rig</i>
<i>2012</i>	<i>350</i>		<i>5</i>	<i>4.5</i>	<i>H2O Spacer</i>
<i>2015</i>	<i>350</i>		<i>20</i>	<i>4.5</i>	<i>St A-Flush</i>
<i>2021</i>	<i>350</i>		<i>5</i>	<i>4.5</i>	<i>H2O Spacer</i>
<i>2024</i>	<i>300</i>		<i>3</i>	<i>4.5</i>	<i>Mix 15skt Scavenger Cmt @ 12.0 ppg</i>
<i>2025</i>	<i>250</i>		<i>29.3</i>	<i>4.5</i>	<i>Mix Cmt @ 14.8 ppg 125skt</i>
<i>2031</i>	<i>Ø</i>		<i>10</i>	<i>5</i>	<i>Close In + Wash Pump + line</i>
<i>2033</i>	<i>Ø</i>			<i>7.0</i>	<i>Release Plug + St Disp w/H2O</i>
<i>2040</i>	<i>300</i>		<i>60</i>	<i>6.0</i>	<i>60 Bbl Disp Out lifting Cmt</i>
<i>2047</i>	<i>1500</i>		<i>82.4</i>		<i>Plug Down + psi Test Csg Good Circ Thru Job Plug R.H. w/15skt 60-40 por</i>

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*Job Comp KCC WICHITA
Thank you Scott*

