

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

ORIGINAL

Operator: License # 32429  
Name: CRAWFORD OIL & GAS, INC  
Address: PO BOX 51  
City/State/Zip: COLDWATER, KS 67029  
Purchaser: POST ROCK GAS  
Operator Contact Person: CM CRAWFORD  
Phone: (620) 582-2612  
Contractor: Name: JEBCO DRILLING CO.  
License: 32837  
Wellsite Geologist: JON CHRISTENSEN  
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. \_\_\_\_\_  
5-3-01                      5-22-01                      5-23-01  
Spud Date or                      Date Reached TD                      Completion Date or  
Recompletion Date                                                                Recompletion Date

API No. 15 - 033-21176--0000  
County: COMANCHE  
10. C NE SW Sec. 31 Twp. 33 S. R. 19  East  West  
1880 feet from (S) N (circle one) Line of Section  
3300 feet from (E) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: GIRK TRUST Well #: 2  
Field Name: COLLIER FLATS  
Producing Formation: MISSISSIPPI  
Elevation: Ground: 1858' Kelly Bushing: 1866'  
Total Depth: 5380 Plug Back Total Depth: 5284  
Amount of Surface Pipe Set and Cemented at 650 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.  
Drilling Fluid Management Plan ALT 1 9/7/01 JB  
(Data must be collected from the Reserve Pit)  
Chloride content 10000 ppm Fluid volume 1800 bbls  
Dewatering method used HAULED OFF  
Location of fluid disposal if hauled offsite:  
Operator Name: GORDON KEAN  
Lease Name: HARMON SWD License No.: 5993  
Quarter NW Sec. 11 Twp. 33 S. R. 20  East  West  
County: COMANCHE Docket No.: 22304

**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: [Signature]  
Title: President Date: 8-24-01  
Subscribed and sworn to before me this 24<sup>th</sup> day of August  
2001.  
Notary Public: Pamela Price  
Date Commission Expires: Feb. 29, 2004

NOTARY PUBLIC - State of Kansas  
PAMELA PRICE  
My Appt. Exp. 2-29-04

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 \_\_\_\_\_  
**RECEIVED**  
KCC

AUG 27 2001  
8-27-01  
KCC WICHITA

X

Operator Name: CRAWFORD OIL & GAS, INC Lease Name: GIRK TRUST Well #: 2  
 Sec. 31 Twp. 33 S. R. 19  East  West County: COMANCHE

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  DUAL INDUCTION MICRORESISTIVITY DUAL COMP.POROSITY CEMENT BOND	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
CONDUCTOR	40"	20"		40'	GROUT		
SURFACE	12 1/4"	8 5/8"		650'	A-CON/CON	330	cal.cl & celflake
PRODUCTION	7 7/8"	4 1/2"	10.5#	5350'	A-CON BLEI	115	cal.gilsonite

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
3	5212-18 5270-74 5277-81	4000 gal. 15% acid 4000 gal.xta-20% acid	
4	5280-86		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	5162	5162		
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
6-10-01			<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		100	5			

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_

RECEIVED

AUG 27 2001  
8-2701  
KCC WICHITA

15-033-21176-0000

**TREATMENT REPORT**

03232



ORIGINAL

Customer ID		Date	
Customer <i>CHAFFIN OIL &amp; GAS</i>		5-6-01	
Lease <i>CORAL TRUST</i>		Lease No.	Well # <i>2</i>
Field Order # <i>03454</i>	Station <i>PLANT 159</i>	Casing <i>8 5/8</i>	Depth <i>644'</i>
Type Job <i>SURFACE - NEW WELL</i>	Formation <i>FD-650'</i>	County <i>COMANCHE</i>	State <i>KS</i>
		Legal Description <i>31-33-19W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid <i>160 SLS. A-COW 3% CE.</i>	RATE	PRESS	ISIP	
Depth <i>644'</i>	Depth	From	To	Pre-Pad <i>100 SLS. Common 3% CE.</i>	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Flush <i>150 SLS Common 3% CE.</i>	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To		Gas Volume		Total Load	

Customer Representative <i>M. Johnson</i>	Station Manager <i>D. HARTZ</i>	Treater <i>K. COADLEY</i>
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Service Units	<i>107</i>	<i>23</i>	<i>31</i>	<i>71</i>	<i>26</i>
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1100</i>					<i>OW LOCATION LOST CORE AT ±150' RUN 644' 8 5/8 CASING RUN BAFFLE PLATE IN 1<sup>st</sup> COLLAR RUN BASKET 80' BELOW GROUND LEVEL</i>
<i>1225</i>			<i>15</i>	<i>5</i>	<i>BREAK CORE.</i>
			<i>0</i>	<i>5</i>	<i>START MIX CEMENT</i>
			<i>77</i>	<i>5</i>	<i>160 SLS. A-COW AT 11.8 PPG</i>
			<i>21</i>	<i>5</i>	<i>100 SLS. Common</i>
			<i>98</i>	<i>5</i>	<i>FINISH MIX CEMENT</i>
					<i>SHUT DOWN - RELEASE PLUG</i>
			<i>0</i>	<i>5</i>	<i>START PUG.</i>
<i>1300</i>			<i>38 1/2</i>	<i>5</i>	<i>PUG DOWN</i>
					<i>NEVER HARD CORE. - FLUID DOWN ±50'</i>
<i>1930</i>					<i>RECEIVED 877-01 'AUG 27 2001 KCC WICHITA</i>
					<i>MIX 50 SLS. Common 3% CE RANK FILL TO SURFACE</i>
<i>2000</i>					<i>JOB COMPLETE THANKS JOHN</i>

15-033-2176-0000

**TREATMENT REPORT** 03252



Customer ID	Date	ORIGINAL	
Customer Crawford Oil & Gas	5-23-01		
Lease Girk Trust	Lease No.	Well # 2	
Field Order # 03496	Station Pratt KS	Casing 4 1/2	Depth 3350
		County Comanche	State KS

Type Job Longstring New Well Formation 31-335-19w Legal Description 31-335-19w

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size 2 3/8	Shots/Ft		Acid 115 sks A-Con		RATE	PRESS	ISIP
Depth 3306	Depth 1570	From	To	Pre Pad 5 1/2 gal .5 FLA-320	Max			5 Min.
Volume 89.4	Volume	From	To	Pad 15 Gas Block .1D>air	Min			10 Min.
Max Press 2300	Max Press	From	To	Frac 1.80 @ 13.5 spg	Avg			15 Min.
Well Connection	Annulus Vol.	From	To	36.8 Bbls SL	HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 500 gal mud flush	Gas Volume			Total Load

Customer Representative Mark Pennick Station Manager Dave Autry Treater D. Scott

Service Units	106	26	34	70				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					On hoc w/Trks Safety mtg
					Float shoe & BOP/E on 5. J.
					Cent 1-3-5-7-9-11
					Break Circ w/R. a 4/60 Jts In
					Req on Bottom Drop Ball & Circ w/Rig
0305	200		24	5	St 2% KCl flush
0309	200		12	5	St mud flush
0312	200		5	5	H2O spacer
0315	400		36.8	5	Mix & Pump Cmt @ 13.5 spg 115 sks
0325			10	5	Wash Pump & line
0330	100			7	Release Plug & St Disp w/H2O 2% KCl
0338	400		7	6	Lifting Cmt
0345			84.6 well	89.2% Ex.	Prod test 15g
					Release - Held - max Disp per 10 min
					Good Circ During Job
					Plug R. H. w/15 sks 60/40 por
					RECEIVED
					AUG 27 2001
					8-27-01
					KCC WILHITA
					Job Complete
					Thank you
					Scott