

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form AC0-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32334
Name: Chesapeake Operating, Inc.
Address: P.O. Box 18496
City/State/Zip: Okla. City, OK 73154-0496
Purchaser: Anadarko
Operator Contact Person: Randy Gasaway, Barbara Bale
Phone: (405) 848-8000
Contractor: Name: Cheyenne Drilling #12
License: 5382
Wellsite Geologist: Curtis Covey (OXY)

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. _____

09/25/00 10/05/00 11/13/00
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 -189-22350-0000
County: Stevens

approx. SE NE NW Sec. 34 Twp. 31 S. R. 39 East West
1027' 4271' feet from (S) (N) (circle one) Line of Section
2307' 3156' feet from (E) (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
KCC GPS Footages
(circle one) NE SE NW SW
Lease Name: MLP Crawford A Well #: 1
Field Name: Kinsler East

Producing Formation: Morrow
Elevation: Ground: 3224' Kelly Bushing: 3237'
Total Depth: 5960' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 1808' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 3200' Feet

Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan P&A KGR 7/18/07
(Data must be collected from the Reserve Pit)

Chloride content 800 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.: _____

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: Randy Gasaway Randy Gasaway
Title: Asset Manager Date: 11/29/00

Subscribed and sworn to before me this 29th day of November

Notary Public: [Signature]
Date Commission Expires: 08-24-04

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Chesapeake Operating, Inc. Lease Name: MLP Crawford #A-1
 Sec. 34 Twp. 31 S. R. 39 East West County: Stevens

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)

List All E. Logs Run:
 Baker Hughes DIL, ML, BHC, CNLFOC

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	3900	-663
Lansing	4016	-779
Marmaton	4674	-1437
Cherokee	4845	-1608
Morrow Shale	5388	-2151

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	1808'	Lite Prem +	510 100	2% cc 2% cc 1/4# Flo S.
Production	7-7/8"	4-1/2"	11.6#	5960'	40/60 Poz Cl. H	50 150	2% cc
Port Collar				2984'	Cl. C Lite	150 450	1/4# Flo Seal

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
4	5456-63'	18 bbls 10% acetic acid	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	5520'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
11/13/2000			<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
	0	125	90	NA	NA

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) _____

JOB SUMMARY

ORDER NO. 70006

TICKET # **902586** TICKET DATE **9-26-00**

REGION North America	HW/COUNTRY MEX/USA	BDA / STATE Ks	COUNTY Stevens
MBU ID / EMP # NCL110110 106328	EMPLOYEE NAME Nick Kerke	PSL DEPARTMENT 21	
LOCATION Liberal	COMPANY Oxy USA	CUSTOMER REP / PHONE Cal Wylie	
TICKET AMOUNT 69368.49	WELL TYPE 01	API / UWI # KS-189-22350-00-00	
WELL LOCATION NW of Hugoton	DEPARTMENT Cement	JOB PURPOSE CODE 010	
LEASE / WELL # MLP Crawford A-1	SEC / TWP / RNG 34-315-39W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
N. Kerke 106328			
R. Elwood 106270			
G. Humphries 106085			
J. Wood 213686			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421270	120						
54219/78299	120						
54225/77031	50						
52988/6612	50						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar 1aser F	1	H
Float Shoe filltube	1	0
Guide Shoe Reg	1	0
Centralizers S-4	5	W
Bottom Plug		
Top Plug S-W Plastic	1	C
Head fasgrip	1	0
Packer		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	9-26-00	9-26-00	9-26-00	9-26-00
TIME	0545	0930	1615	1715

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	124	8 7/8	0	1815	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	CONSERVATION
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

RECEIVED

HOURS ON LOCATION	OPERATING HOURS	DESCRIPTION OF JOB
9-26-00 9 hrs	9-26-00 1 hrs	010
TOTAL 9 hrs	TOTAL 1 hrs	

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	Overall 4
	Disp.	
FEET 2744'	CEMENT LEFT IN PIPE	sh jt.
	Reason	

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
L	510	HLC "C"	B	2% CC, 4% flocc	2.00	12.2
T	100	Prem Plus	B	2% CC, 4% flocc	1.34	14.8

Circulating Breakdown	Displacement Maximum	Frac Gradient	5 Min	15 Min	Preflush:	Gal - BBI	Type
					Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average					Treatment	Gal - BBI	Disp: BBI - Gal
Shut In: Instant					Cement Slurr	Gal - BBI	
					Total Volume	Gal - BBI	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____

REGION North America	NWA/COUNTRY MidCont. USA	BDA / STATE Ks	COUNTY Seymour
MBU ID/ EMP # MCL10110 106328	EMPLOYEE NAME Nick Korbe	PSL DEPARTMENT Z1	
LOCATION Liberal	COMPANY Oxy USA	CUSTOMER REP / PHONE Cal Wylie	
TICKET AMOUNT \$ 9368.49	WELL TYPE 01	API / UWI #	
WELL LOCATION NW of Hugoton	DEPARTMENT Cement	JOB PURPOSE CODE 010	
LEASE / WELL # MLP Crawford A-1	SEC / TWP / RNG 34-315-39W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
N. Korbe 106328			
R. Flucaud 106270			
G. Humphries 106085			
J. Wood 213686			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0545							called out
	0930							on loc Hold safety mtg Set up Trks
	1530							st FF
	1605							Break circ
	1619							3000 Test
	1622	7	0					225 st head cont 510 sks @ 12.2"
	1650	7	141/10					200 st tail cont 100 sks @ 14.8"
	1653		2'3					egg cont
	1654							rel
	1655	6.5	0					100 st disp
	1712	2	103					400 slow rate
	1718	2	113					4500 bump plug
	1719							15' br 85 flood held

CITC 38 RECEIVED
KANSAS CORPORATION COMMISSION

DEC 01 2000

-CONSERVATION DIVISION
WICHITA, KS

Job complete
Thank you
Nick & crew

ALLIED CEMENTING CO., INC. 4087

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Med. Lodge, KS

APR 15 189.28350.00.00

DATE <u>10-5-00</u>	SEC. <u>34</u>	TWP. <u>91S</u>	RANGE <u>39W</u>	CALLED OUT <u>3:00 P.M.</u>	ON LOCATION <u>8:00 A.M.</u>	JOB START <u>3:00 P.M.</u>	JOB FINISH <u>4:30 P.M.</u>
LEAST <u>Crawford</u>	WELL # <u>A-1</u>	LOCATION <u>Moscow + Dermont RD</u>		COUNTY <u>Stevens</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)		<u>00w-1s-12E-9/5</u>					

CONTRACTOR Cheyenne #2
 TYPE OF JOB Prod. CSG
 HOLE SIZE 7 7/8 T.D. 5960'
 CASING SIZE 4 1/2 x 11.60 DEPTH 5965'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1100 MINIMUM 200
 MEAS. LINE _____ SHOE JOINT 43'
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 9 1/2 Bbls Fresh H₂O

OWNER Chesapeake Oper

CEMENT
 AMOUNT ORDERED 505x 60' 40' 8 + 1/4"
Flo-Seal 1505x CLASS H + 2%CC
1/4" Flo-Seal + .6% FL-10

EQUIPMENT
 PUMP TRUCK CEMENTER Larry Dreiling
 # 302 HELPER David West
 BULK TRUCK
 # 240 DRIVER Mike Rucker
 BULK TRUCK
 # _____ DRIVER _____

COMMON	<u>305x</u>	@	<u>6.35</u>	<u>190.50</u>
POZMIX	<u>205x</u>	@	<u>3.25</u>	<u>65.00</u>
GEL	<u>35x</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>45x</u>	@	<u>28.00</u>	<u>112.00</u>
CLASS H	<u>1505x</u>	@	<u>7.90</u>	<u>1185.00</u>
Flo-Seal	<u>50 lbs</u>	@	<u>1.15</u>	<u>57.50</u>
FL-10	<u>85 lbs</u>	@	<u>7.25</u>	<u>616.25</u>
		@		
		@		
HANDLING	<u>302</u>	@	<u>1.05</u>	<u>217.35</u>
MILEAGE	<u>209 x .35 x .04</u>			<u>289.80</u>

TOTAL 2761.90

REMARKS:

Pipe on Bottom - Break Circ.
Pump 505x 60' 40' 8 + 1/4" Flo-Seal
Pumped 1505x CLASS H + 2%CC + 1/4"
Flo-Seal + .6% FL-10, Pump Broke
Down, could not Pump Cement, washout
Pump + lines, Release Plug, Displace
+ Pump Plug, Release PST, Float Held

SERVICE

DEPTH OF JOB	<u>5960</u>			
PUMP TRUCK CHARGE				<u>1378.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>35</u>	@	<u>3.00</u>	<u>105.00</u>
PLUG Rubber 4 1/2		@	<u>38.00</u>	<u>38.00</u>
		@		
		@		

RECEIVED

KANSAS CORPORATION COMMISSION

TOTAL 1521.00

CHARGE TO: Chesapeake Oper.

DEC 01 2000

STREET _____
 CITY _____ STATE _____ ZIP _____

CONSERVATION DIVISION FLOAT EQUIPMENT WICHITA, KS

1-Dr. Guide Shoe	@	<u>125.00</u>	<u>125.00</u>
1-AFD Insert	@	<u>210.00</u>	<u>210.00</u>
2-Baskets	@	<u>116.00</u>	<u>232.00</u>
10-Centralizers	@	<u>45.00</u>	<u>450.00</u>
	@		

TOTAL 1017.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE 5299.90
 DISCOUNT 529.99 IF PAID IN 30 DAYS
Net 4769.91

SIGNATURE x Bud Veff

x Bud Veff
 PRINTED NAME

ALLIED CEMENTING CO., INC.

5333

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

APD 15-188-22550.00-00 Oakley

DATE <u>10-16-00</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>4:30 PM</u>	JOB START	JOB FINISH <u>8:15 PM</u>
MLP-Craw Ford LEASE	WELL# <u>A-1</u>	LOCATION <u>Dermont School 36-15-1/2E</u>		COUNTY <u>Stearns</u>	STATE <u>Kan</u>		
OLD OR <u>(NEW)</u> (Circle one)				S.S.			

CONTRACTOR Superior Well Service
 TYPE OF JOB Part Collar
 HOLE SIZE _____ T.D. _____
 CASING SIZE 4 1/2 DEPTH _____
 TUBING SIZE 2" DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL Part Collar DEPTH 2984
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Same

CEMENT
 AMOUNT ORDERED 150 SKS C
600 SKS Lite, 1/4# Flo-Seal
(used 450 SKS Lite)

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Max</u>
# <u>300</u>	HELPER	<u>Wayne</u>
BULK TRUCK	DRIVER	<u>Walt</u>
# <u>280</u>	DRIVER	<u>Max</u>

COMMON	<u>150 "C"</u>	@	<u>9.35</u>	<u>1,402.50</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
	<u>Lite 450 SKS</u>	@	<u>6.65</u>	<u>2,992.50</u>
	<u>Flo-Seal 113#</u>	@	<u>1.15</u>	<u>129.95</u>
		@		
		@		
		@		
HANDLING	<u>780 SKS</u>	@	<u>1.05</u>	<u>819.00</u>
MILEAGE	<u>44.750 SK/mile</u>			<u>936.00</u>

TOTAL 6,279.95

REMARKS:

SERVICE

Test casing to 1000# hold
open part collar, took rate 470m
2,400# Have Circ, max 450 SKS
Lite, tail in 1/4 150 "C" Displace
11 BBL water, shut tool, tests
1000# hold, ran 2 Jts circ
clean, (Cement Did Circ)
at 4

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>5.50</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>30 miles</u>	@	<u>3.00</u>	<u>90.00</u>
PLUG		@		
		@		
		@		

TOTAL 670.00

CHARGE TO: Chesapeake Operating

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

		@		
		@		
		@		
		@		
		@		

TOTAL _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX				
TOTAL CHARGE	<u>6,949.95</u>			
DISCOUNT	<u>- 695.00</u>			
	<u>6,254.95</u>			IF PAID IN 30 DAYS

SIGNATURE Bruce Ruff

PRINTED NAME _____