KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

perator: License # 3532
ame: CMX, Inc.
ddress: 150 North Main - Suite 1026
ity/State/Zip: Wichita, Kansas 67202
urchaser: Semcrude/OKKAN
perator Contact Person: Douglas H. McGinness II
hone: (316) 269-9052
ontractor: Name: Duke Drilling Co., Inc.
cense: 5929
'ellsite Geologist: Doug McGinness II

esignate Type of Completion:
X New Well ____ Re-Entry ____ Workover
X Oil ____ SWD ____ SIOW ____ Temp. Abd.
X Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

Workover/Re-entry: Old Well Info as follows:
perator:
'ell Name:
riginal 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.

01-10-04	01-19-04	3/8/2004
pud Date or ecompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-22789-00-00
County: Barber County, Kansas
C SW - Sec. 12 Twp. 35 S. R. 14 ☐ East ☒ West
1320 feet from (S) / N (circle one) Line of Section
1320 feet from E / (W) (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: David Strawn Well #: 1
Field Name: Aetna Gas Area
Producing Formation: Mississippi
Elevation: Ground: 1581' Kelly Bushing: 1592'
Total Depth: 5000' Plug Back Total Depth: 4970
Amount of Surface Pipe Set and Cemented at 377 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
(Data must be collected from the Reserve Pit)
Chloride content ____ ppm Fluid volume 800 bbls
Dewatering method used hauled off
Location of fluid disposal if hauled offsite:
Operator Name: McGinness Oil Company of KS, Inc.
Lease Name: Lohmann License No.: 31881
Quarter ____ Sec. 3 Twp. 35 S. R. 12 ☐ East ☒ West
County: Barber Docket No.: CD-4812

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.

I requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements rein are complete and correct to the best of my knowledge.

gnature:
lle: President Date: 8/4/2004
ubscribed and sworn to before me this 4th day of August
X 2004
otary Public: Donna L May-Murray
ate Commission Expires: 2/7/2008

DONNA L MAY-MURRAY
Notary Public - State of Kansas
My Appt. Expires 2/7/08

KCC Office Use ONLY
Denied
____ Letter of Confidentiality Attached
If Denied, Yes ☒ Date: 8-10-04 DPW
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

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Side Two

Operator Name: CMX, Inc. Lease Name: David Strawn Well #: 1

Sec. 12 Twp. 35 S. R. 14 ☐ East ☒ West County: Barber County, Kansas

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 (Attach Additional Sheets)	☒ Yes	☐ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy)	☒ Yes	☐ No

List All E. Logs Run: Compensated Density/Neutron
Dual Induction
Bond Log

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Kanwaka Sh	3803	(-2211)
Elgin Sst	3808	(-2216)
Heebner Sh	4018	(-2426)
Toronto Lst	4038	(-2446)
Douglas	4088	(-2496)
Lansing	4211	(-2657)
Cherokee	4864	(-3272)
Cherokee Sst	4879	(-3287)
Mississippi	4886	(-3294)

CASING RECORD ☐ New ☐ 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	# Sacjs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	377'	60/40 Poz	265	3%cc 2%gel
Production	7-7/8"	4-1/2"	10.5#	4999'	50/50 Poz AA-2	140 150	5# gilsonite/sx 10% salk w/gas blok friction reducer, defo & ~~fluid loss~~ additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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	4886 - 4920	Frac-81,700# of 12/20 sand and 73,564 gals of 20# gel	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4887'		☐ Yes ☒ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method				
4/1/04	☐ Flowing	☑ Pumping	☐ Gas Lift	☐ Other (Explain)	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	15	40	20		

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

METHOD OF COMPLETION ☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify)

Production Interval

#1 David Strawn — Completion Report — 8/4/2004

Well User ID :	#1 David Str	**Pumper :**		**Spud Date :**	1/10/04
Well Name :	#1 David Strawn	**Field :**	Aetna	**Comp. Date :**	
Location :	C SW 12 / 35S / 14W	**District :**	Kansas	**Property Type :**	O&G
County :	BARBER, KS	**Prospect :**	Stateline	**Status :**	AC
API Code :	15-007-22789-00-00	**G.L. :**	1581		
Operator :	CMX, Inc.	**K.B. :**	1592		
		T.D. Drilled :	0		

Completions Detail Report

Date	Activity	Remarks
3/1/2004		Rig up Clarke Corp. Run 80 jts tubing, shut down.
3/2/2004		Rig up Halliburton Pampa Texas equipment. Run tubing to 4887'. Rig up ELI Wireline, confirmed and spot jetting tool @ 4887'. Pulled 1 jt, ran 8' tubing sub, ran 1 jt, changed out head. Start cut @ 4895'. Notched 8' circulate hole clean, reverse ball, pulled tbg, pressure test to 4500', tried to establish injection rate, Max pressure 3100 psi, could not pump into formation, shut down. 8:10 PM heavy rain.
3/3/2004		Ran tbg with 3 prong coneless bit, found sand 1500' above notch. Circulate sand out to 4953'. Shut in, well went on vacuum, pull tubing, preparing to frac. Frac'd well with 81,700 # of 12/20 sand and 73,564 gallons of 20# gel, average injection rate 43 BPM @ 1350#. ISIP 260 psi, 15 min SIP 98 psi. Shut in. CAT equipment out, heavy rain.
3/4/2004		Oil to surface, natural. Ran sand pump, found sand @ 200' above notch. Shut in, heavy rain. Will circulate sand tomorrow.
3/5/2004		Rigged up Landmark's Air Unit, ran tubing & circulating sand out of the hole.
3/8/2004		150 psi TP, 1400 psi CP, 1300' of total fluid in the hole. 800' water, 500' oil. Swabbing @ 8:00 AM, 9:00 AM-35 bbls, 10:00 AM-39 bbls, 11:00 AM-36 bbls, 12:00 PM-47 bbls, 1:00 PM-40 bbls, 2:00 PM, well flowing to tank, 7% oil.

Casing History

Size	Weight	Grade	Brand	Type	Condition	Set Depth	Footage
8 5/8"	24	API		surface	new	377	364
Cement Description:	265 sx 60/40 Pozmix, 2-3, 1/4# Floseal per sx						
4 1/2"	10.5	API		production	new	4999	5043
Cement Description:	40 sx 50/50 Pozmix, 150 sx AA-2						

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Daily Drilling Report

DRILLING REPORT

Well Name:	***#1 David Strawn***	API Code:	15-007-22789-00-00	Ref Well :	***R Sternberger***
Location	C SW 12 \ 35 \ 14	Lease Name:	***David Strawn #1***	Ref Loc:	NW/4 - 12/ 35/ 14
County / State :	BARBER, KS	Field:	Aetna	County:	BARBER, KS
GL Level :	1581	Contractor:	Duke Drilling Co.	GL Level :	1577
KB Level :	1592	Operator:	CMX, Inc.	KB Level :	1585

Current Date **04-Aug-04**

Formation Tops

Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Ref Subsea	+\- To Ref Well	Comments
Lecompton Lime	3767	-2175	3748	-2163	-12	
Kanwaka Shale	3803	-2211	3784	-2199	-12	
Elgin Sand	3806	-2214	3789	-2204	-10	
Oread	3983	-2391	3965	-2380	-11	
Heebner	4017	-2425	3999	-2414	-11	
Toronto	4035	-2443	4015	-2430	-13	
Douglas	4083	-2491	4065	-2480	-11	
Lansing	4211	-2619	4191	-2606	-13	
Stark	4669	-3077	4649	-3064	-13	
Cherokee	4865	-3273	4838	-3253	-20	
Cherokee Sand	4877	-3285	4856	-3271	-14	
Mississippi	4883	-3291	4886	-3301	10	
RTD	5000	-3408	4951	-3366	-42	

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Daily Drilling Details Report

Date	Start Depth	Daily Remarks
1/10/2004	0	Spud @ 9:00 PM. L. Circ. Approx. 300'. 7 7/8" to 1094'. Ream to 377' w/12 1/4 to 377'. Set 8 joints (364') 8 5/8" @ 377' w/265 sacks 60/40 Pozmix, 2-3, 1/4# Floseal per sack. Plug down @ 10:15 PM. Did circulate.
1/11/2004	440	Drilling @ 440'.
1/12/2004	1094	1094', ream to bottom.
1/13/2004	2230	Drilling @ 2230'.
1/14/2004	2840	Drilling @ 2840'.
1/15/2004	3390	Drilling @ 3390'.
1/16/2004	4135	Drilling @ 4135'. Note: running regional, as we should be.
1/17/2004	4625	Drilling @ 4625'.
1/18/2004	4884	4884', CFS. 1/2 degree deviation @ 4864'.
1/19/2004	4973	Drilling @ 4973'. DST #1 4860'-4890'. 1/2 degree deviation @ 4864'. Note: Both shut in pressures building swiftly. Drilling to 5000' and will log. Have good shows in upper 20' of Mississippi and have 20' Dolomite below. If we have any questions will run test over Mississippi but if as expected will run 4 1/2" casing.
1/20/2004	5000	5000', W.O.O. after DST #2 4908'-5000'. Logged prior to test. Ran 111 jts of New Lonestar Steel 4 1/2" x 10.5# casing, tally 5043.62', set @ 4999'. Circulate casing, lost circulation after 15 mins. Of circulating time. Mix 18 sx of hulls, pump down and work pipe, regained circulation. Circulate another 20 mins., cement casing w/165 sx 50/50 Pozmix, containing 5#gilsonite/sx, 10% salt w/gas blok, friction reducer, defoamer & fluid loss additives, following by 150 sx AA-2, w/same additivies. Land plug with 1000# @ 10:00 PM. Increase pressure to 1500#, pressure held, repleased pressure, float held, released rig.

DRILL STEM TEST RESULTS

DST	Date	Formation	Int Start	Int End	ISIP	FSIP	IFP	FFP	Time Interval
1	1/19/2004	Cherokee/Miss	4860	4890	1264	1451	18-24	22-26	*30-60-45-90*

1st Open: Good blow, OBOB in **2nd Open:** Good blow, OBOB **Recovery:** 1134' GIP, 32' Gas cut mud

Well Name:	***#1 David Strawn***	API Code:	15-007-22789-00-00	Ref Well :	***R Sternberger***
Location	C SW 12 \ 35 \ 14	Lease Name:	***David Strawn #1***	Ref Loc:	NW/4 - 12/ 35/ 14
County / State :	BARBER, KS	Field:	Aetna	County:	BARBER, KS
GL Level :	1581	Contractor:	Duke Drilling Co.	GL Level :	1577
KB Level :	1592	Operator:	CMX, Inc.	KB Level :	1585

		5 mins.		immediately						
2	1/20/2004	Mississippi	4908	5000	580	698	54-64	69-70	*30-60-45-180*	

1st Open: Good blow OBOB in 8 mins. **2nd Open:** Good blow OBOB in 10 secs. **Recovery:** 882' GIP, 95' SGCM

Casing History

Size	Weight	Grade	Brand	Type	Condition	Set Depth	Footage
8 5/8"	24	API		surface	new	377	364

Cement Description: 265 sx 60/40 Pozmix, 2-3, 1/4# Floseal per sx

4 1/2"	10.5	API		production	new	4999	5043

Cement Description: 40 sx 50/50 Pozmix, 150 sx AA-2

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