KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31873
Name: Carl H. McNown
Address 1: 1301 Union Road
Address 2:
City: Moline State: Ks. Zip: 67353 + ____
Contact Person: Kenny McNown
Phone: (620) 647-3364
CONTRACTOR: License # 8736
Name: James David Dixon
Wellsite Geologist: none
Purchaser: Coffeyville Resources

Designate Type of Completion:
✓ New Well ____ Re-Entry ____ Workover
✓ Oil ____ SWD ____ SIOW
____ Gas ____ ENHR ____ SIGW
____ CM (Coal Bed Methane) ____ Temp. Abd.
____ Dry ____ Other ____
(Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator: na
Well Name: na
Original Comp. Date: na Original Total Depth: na
____ Deepening ____ Re-perf. ____ Conv. to Enhr. ____ Conv. to SWD
____ Plug Back: ____ Plug Back Total Depth
____ Commingled Docket No.: ____
____ Dual Completion Docket No.: ____
____ Other (SWD or Enhr.?) Docket No.: ____

1/8/08	1/14/08	4/21/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 019-26833-0000
Spot Description: ____
NE - NE - NW - SE Sec. 31 Twp. 32 S. R. 10 ✓ East ☐ West
2440 Feet from ☐ North / ✓ South Line of Section
1375 Feet from ✓ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ✓ SE ☐ SW
County: Chautauqua
Lease Name: McNown Well #: 5
Field Name: McNown-Oil
Producing Formation: Arbuckle
Elevation: Ground: 1027 Kelly Bushing: na
Total Depth: 2400 Plug Back Total Depth: 2400
Amount of Surface Pipe Set and Cemented at: 42' Feet
Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
If yes, show depth set: na Feet
If Alternate II completion, cement circulated from: 2400
feet depth to: surface w/ 390 sx cmt.

Drilling Fluid Management Plan Alt II NWR 10-12-09
(Data must be collected from the Reserve Pit)
Chloride content: fresh water ppm Fluid volume: 350 bbls
Dewatering method used: evaporated and backfilled
Location of fluid disposal if hauled offsite:
Operator Name: na
Lease Name: na License No.: na
Quarter na Sec. na Twp. na S. R. na ☐ East ☐ West
County: na Docket No.: na

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: Carl McNown
Title: owner Date: 9/14/09
Subscribed and sworn to before me this 14 day of September,
20 09.
Notary Public: Tim D Nordell
Date Commission Expires: ____

TIM D. NORDELL
Notary Public - State of Kansas
My Appt. Expires 5/6/10

KCC Office Use ONLY
N Letter of Confidentiality Received
✓ If Denied, Yes ☐ Date: ____
✓ Wireline Log Received
✓ Geologist Report Received
____ UIC Distribution

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Side Two

Operator Name: Carl H. McNown Lease Name: McNown Well #: 5

Sec. 31 Twp. 32 S. R. 10 ☑ East ☐ West County: Chautauqua

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:

compensated neutron/density, dual induction ✓

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

Name	Top	Datum
Sand	1257	-230
Mississippi	2061	-1034
Arbuckle	2399	-1372

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	# Sacks Used	Type and Percent Additives
surface/ new	12 1/4"	8 5/8"	23 lbs	42'	portland	25	na
production/ used	7 7/8"	4 1/2"	10.0 lbs	2400'	portland	390	copy attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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
none	2400' to 2401'	none	2400/01

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TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
	2 3/8"	2390'		☐ Yes ☑ No

Date of First, Resumed Production, SWD or Enhr.	Producing Method:
3/20/09	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	trace	na	2	na	na

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other *(Specify)*	2400' to 2401'

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

P.O. BOX 884, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

LOCATION [illegible]
FOREMAN [illegible]

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-14-05		McNown #5	31	32	10	CQ

CUSTOMER: Carl McNown
MAILING ADDRESS: 1301 Union Rd
CITY: Moline STATE: KS ZIP CODE: 67353

TRUCK #	DRIVER	TRUCK #	DRIVER
397	John		
	Luke		
413 T73	Tim S.		
	EARL		

JOB TYPE LS HOLE SIZE 7 7/8 HOLE DEPTH 2400' CASING SIZE & WEIGHT 4½ 10.5#
CASING DEPTH 2403' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 13.8/13.9 SLURRY VOL 1.5/1.7 WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT 38.1 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Break circ, run 180 sx w/ 1% [illegible] w/ 5# Gilsonite / 5% salt + 1/4# flocele cement on top, run 200 sx of Thick Set cement w/ 5# Gilsonite 1/4# flocele on bottom. Washed out pump & lines, dropped plug & disp 38 BBL to set shoe. Shut down & [illegible]

Circ Cement to Surface

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE (Long String)		875.00
5406	50	MILEAGE		172.50
5407	1	Bulk Trk		500.00
5501	2 x 4 hrs	Transport		832.00
5402	2400'	Footage		456.00
1104	180 sx / 17,960#	Cement (Class A)	*	2500.40
1107	4 sx / 160#	Flocele	*	174.40
1110	39 sx / 1950#	Gilsonite	*	975.00
1111	9 sx / 400#	Granulated Salt	*	124.00
1118	21 sx / 1050#	Premium Gel	*	113.00
1126	200 sx	Thick Set Cement	*	3240.00
1123	200 bbl / 8400 gal	City Water	*	111.72
4404	1 ea	4½ Rubber Plug	*	41.00
		4% Discount if paid in 30 days 406.86		
		6.3% *	SALES TAX	462.14
			ESTIMATED TOTAL	10,171.22

− 406.84
9,764.18

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AUTHORIZATION Carl McNown TITLE DATE

ACKARMAN HARDWARE and LUMBER CO
160 EAST MAIN STREET
SEDAN, KS 67361

PHONE: (620) 725-3103

THANKS FOR YOUR BUSINESS!!

Cust No	Job No	Purchase Order	Reference	Terms	Clerk	Date	Time
473609				NET 10TH	SC	1/ 7/08	3:26

Sold To:
CARL MCNOWN
1301 UNION RD

MOLINE KS 67353

Ship To:

DOC# 151601
TERM#552 **DUPLICATE**
* INVOICE *
****

TAX : 001 KANSAS SALES TAX

LN#	SHIPPED	ORDERED	UM	SKU	DESCRIPTION	SUGG	UNITS	PRICE/PER	EXTENSION
1	25		EA	RM44816	PORTLAND CEMENT 92.6#		25	9.75 /EA	243.75 *

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** AMOUNT CHARGED TO STORE ACCOUNT ** 262.76

(CARL)

TAXABLE	243.75
NON-TAXABLE	0.00
SUBTOTAL	243.75
TAX AMOUNT	19.01
TOTAL AMOUNT	262.76

X _____
Received By

Phone: Cell 918-639-6801
Home 918-287-2441
Office 918-287-1595
Fax 918-287-1595

ALAN L. BROWN
PETROLEUM GEOLOGIST
P.O. Box 123
Pawhuska, OK 74020

January 22, 2008

GEOLOGICAL REPORT

COMPANY:	**Carl H. McNown**
WELL NAME:	**McNown #5**
LOCATION:	**NE/NW/SE (2440' FSL & 1375' FEL)** **Sec. 31-32S-10E, Chautauqua Co., KS**
ELEVATION:	**1027' GL**
CONTRACTOR:	**Dixon Drilling Co.**
DATE SPUDDED:	**January 7, 2008**
DATE COMPLETED:	**January 12, 2008**
TOTAL DEPTH:	**2322'**
FORMATION @ TD:	**Mississippi Lime**
BIT SIZE / CASING:	**12 1/4" bit 8 5/8" casing** **7 7/8" bit 4 ½" casing**

Carl H. McNown
McNown #5

OPEN HOLE LOGGING: **Osage Wireline**
Dual Induction LL3/GR Log
Compensated Density Sidewall Neutron Log

FORMATION RECORD: **Electric Log Tops**

Sand	552' – 574'
Lime	1010' – 1016'
Sand	1139' – 1222'
Sand	1257' – 1313'
Lime	1313' – 1346'
Sand	1356' – 1407'
Kansas City Lime	1420' – 1482'
Lenapah Lime	1496' – 1510'
Big Lime	1582' – 1614'
Oswego Lime	1697' – 1784'
Mulky Shale	1784' – 1788'
Verdigris Lime	1842' – 1844'
Mississippi Chat Zone	2052' – 2061'
Mississippi Lime	2061' – 2322'

Total Depth **2322'**

SAMPLE DESCRIPTIONS:

Samples were caught and examined from 540' to 600'; 850' to 900'; and 1000' to TD at 2322'. Formations that are important for correlation or production are described below:

Sand 552' – 574' Sand, medium fine to fine grain, slightly silty, buff, cream, no stain or fluorescence.

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Limestone 1010 ' – 1016' Limestone, tan, brown, fine to medium crystalline, trace fossils, trace very dull fluorescence.

Sand 1139' – 1146' Sand, very fine to fine grain, slightly silty, low to fair porosity, light tan stain, fair fluorescence.

1146' – 1180' Sand, very fine grain, white, light gray, no stain or fluorescence.

1180' – 1222' Sand, fine to very fine grain, light gray, white, no stain or fluorescence.

Sand 1257' – 1264' Sand, medium to medium fine grain trace black to green shale fragments, trace pyrite, 40-50% with tan to very light tan stain, dull to fair fluorescence.

1264' – 1313' Sand, medium to medium fine grain light gray to white, no stain or fluorescence.

Limestone 1313' – 1346' Limestone, tan, light tan, buff, very fine to micro-crystalline, trace with low inter-crystalline porosity and brown stain, fair to dull fluorescence.

Sand 1356' – 1363' Sand, very fine to fine grain, tight, silty, brown to tan stain, dull to fair fluorescence.

1363' – 1407' Sand, fine to very fine grain, slightly silty, light gray, white, no stain, trace very dull fluorescence.

Kansas City Limestone 1420' – 1446' Limestone, tan, buff, brown, very fine to medium crystalline, trace fracture filling, scattered fair to dull fluorescence.

1446' – 1450' Shale, dark gray.

1450' – 1482' Limestone, brown, tan, dark brown, dense to micro-crystalline, no fluorescence.

Lenapah Lime 1496' – 1510' Limestone, very fine to micro-crystalline, brown, tan, 10-20% dull to fair fluorescence.

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Big Lime 1582' – 1614' Limestone, light tan, buff, cream, very fine to micro-crystalline 20-30% fair to dull fluorescence.

Peru Sand 1616' – 1638' Sand, very fine grain to fine grain, slightly silty, light gray, no visible stain 10-20% very dull fluorescence.
1638' – 1653' Sand, very fine to fine grain, slightly silty, light gray, no stain or fluorescence.

Oswego Lime 1697' – 1723' Limestone, tan, brown, buff, very fine to micro-crystalline, 5 -10% fair to dull fluorescence.
1723' – 1740' Shale, black, carbonaceous.
1740' – 1746' Limestone, tan, brown, buff, very fine to micro-crystalline, trace dull fluorescence.
1746' – 1751' Limestone, tan, brown, buff, gray, very fine to micro-crystalline, 70-80% dull to fair fluorescence.
1751' – 1768' Limestone, brown, tan, very fine to micro-crystalline, 30-40% dull fluorescence.
1768' – 1784' Limestone, brown, dark brown, tan, very fine to micro-crystalline, no fluorescence.

Mulky Shale 1784' – 1788' Shale, black, carbonaceous.

Verdigris Lime 1842' – 1844' Limestone, dark brown, brown, dense to very fine crystalline, micro-crystalline.

Mississippi Chat Zone 2052' – 2061' Chat, very fine to fine crystalline, buff, cream, some with brown to dark brown and black stain, trace pin-point porosity, 50-60% fair to dull fluorescence, fair odor, some chert, tan, brown, buff, dense, slightly weathered in part.

Mississippi Lime 2061' – 2078' Limestone, fine to very fine crystalline, brown, tan, buff, 50-60% fair to dull fluorescence.
2078' – 2098' Limestone, as above, 20-30% fair to dull fluorescence.
2098' – 2146' Limestone, brown, tan, light brown, very fine to fine crystalline, low porosity, some black to dark brown stain, 10-20% fair to dull fluorescence.

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2146' – 2190' Limestone, tan, light tan, brown, very fine to fine crystalline, trace chert, cream, buff, light tan, dense, scattered 5-10% dull to fair fluorescence.

2190' – 2242' Limestone, brown, dark brown, micro to very fine crystalline, trace chert, brown, gray, trace very dull fluorescence.

2242' – 2262' Limestone, as above, more chert, dense, gray, brown, trace very dull fluorescence.

2262' – 2322' Limestone, brown, tan, very fine to fine crystalline, trace very dull fluorescence.

SUMMARY AND RECOMMENDATIONS:

Samples were examined from 540' to 600'; 850' to 900'; and 1000' to TD at 2322'. All potentially productive formations examined appear to be marginal at best. The formation with the best chance of production is the sand located at 1258' to 1262'. Care should be taken to avoid perforating or treating into the water bearing sand below. All other shows are believed to be non-productive.

Respectfully,

Alan L. Brown