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 # 31327
Name: Pauley Oil
Address 1: 314 5th Street
Address 2:
City: Claflin State: ks Zip: 67525 +
Contact Person: Gary Pauley
Phone: (785) 252-8024
CONTRACTOR: License # 33724
Name: warren Drilling
Wellsite Geologist: James C Musgrove
Purchaser: NCRA

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:
Well Name:
Original Comp. Date: ____ Original Total Depth:
____ 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.:

9-17-08 Spud Date or Recompletion Date
Date Reached TD
9-25-08 Completion Date or Recompletion Date

API No. 15 - 053-21225-0000
Spot Description:
n/2 - ne - sw Sec. 34 Twp. 17 S. R. 8 ☐ East ☑ West
2,310 Feet from ☐ North / ☑ South Line of Section
1,980 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
County: Ellsworth
Lease Name: Wires Well #: 1
Field Name: Geneseo
Producing Formation: Arbuckle
Elevation: Ground: 1785 Kelly Bushing: 1793
Total Depth: 3310 Plug Back Total Depth: 3309
Amount of Surface Pipe Set and Cemented at: 292 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.
Alt I - Dtg - 11/6/09

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: ppm Fluid volume: bbls
Dewatering method used: Air Dry and Backfill
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:
Title: Owner Date: 11-3-2009
Subscribed and sworn to before me this 3rd day of November,
2009.
Notary Public: Clara Nadine Pauley
Date Commission Expires: 09-18-13

NOTARY PUBLIC - State of Kansas
CLARA NADINE PAULEY
My Appt. Expires 09.18.13

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: Pauley Oil Lease Name: Wires Well #: 1

Sec. 34 Twp. 17 S. R. 8 ☐ East ☑ West County: Ellsworth

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:

Dual Compensated Porosity Log

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

Name	Top	Datum
Topeka	2430	-638
LANSING	2844	-1051
CONGLOMERATE	3191	-1398
ARBUCKLE	3228	-1435

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	12 1/4	8 5/8	20 Lbs/ft.	292'	common	175	3%chloride, 2%gel
Production String	7 7/8	5 1/2	15.5 Lbs./ft.	3309'	ASC	150	3% gel, 750#Kolseal, 500gal ASF

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
4	2870-2876		
4	3231-3235		
4	3244-3247		
4	3254-3255		

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TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2 7/8	3250		☐ Yes ☑ No

Date of First, Resumed Production, SWD or Enhr.	Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity 40

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)	2870-3255

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

ALLIED CEMENTING CO., LLC. 32847

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

SERVICE POINT:
GreatBend

DATE 9-18-08	SEC. 34	TWP. 17S	RANGE 8W	CALLED OUT 12:00 AM	ON LOCATION 2:30AM	JOB START 9:00AM	JOB FINISH 10:00AM
LEASE Wire	WELL # 1		LOCATION 4&14 JCT ½N½E¾N			COUNTY Ellsworth	STATE KS
OLD OR (NEW) (Circle one)			W/inTO				

CONTRACTOR Warren Rig 17
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 292'
CASING SIZE 8⅝ DEPTH 291'
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX 200 MINIMUM 500
MEAS. LINE SHOE JOINT 15'
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT fresh water 17½ BBLS

OWNER Fox petroleum

CEMENT

AMOUNT ORDERED 175sx common + 3%cc + 2% Gel

EQUIPMENT

PUMP TRUCK # 120 — CEMENTER Dwayne W — HELPER Joe B
BULK TRUCK # 456 — DRIVER Jeff W
BULK TRUCK # — DRIVER

COMMON	175sx	@ 13.50	2,362.50
POZMIX		@	
GEL	3sx	@ 20.25	60.75
CHLORIDE	5sx	@ 51.50	257.50
ASC		@	
HANDLING	183sx	@ 2.25	411.75
MILEAGE	183x45x.10=		823.50
		TOTAL	3,916.00

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REMARKS:

Pipe on Bottom Break circulation pump 175sx common 3%cc 2%Gel shut down Released plug and disp with 17½ BBLS of fresh water cement did circulat shut in

Rig Down

SERVICE

DEPTH OF JOB 292'
PUMP TRUCK CHARGE 991.00
EXTRA FOOTAGE @
MILEAGE 45 @ 7.50 337.50
MANIFOLD Head Rent @ 110.00 110.00
TOTAL 1,438.50

CHARGE TO: Fox Petroleum
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-8⅝ wooden plug @ 66.00 66.00
TOTAL 66.00

Thank You

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Danny Bittel
SIGNATURE Danny Bittel

ALLIED CEMENTING CO., LLC. 33251

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

SERVICE POINT:
Great Bend

DATE 9-26-08	SEC. 34	TWP. 17S	RANGE 8W	CALLED OUT 11:00 AM	ON LOCATION 3:00 PM	JOB START 4:00 PM	JOB FINISH 5:00 PM
LEASE Wive	WELL # 1		LOCATION 4 & 14 JCT ½N ½E ½N W/into			COUNTY Ellsworth	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Warren Rig 17
TYPE OF JOB Long String
HOLE SIZE 7 7/8 T.D. 3310'
CASING SIZE 5½ DEPTH 3305'
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX 1000 MINIMUM 600
MEAS. LINE SHOE JOINT 32.43'
CEMENT LEFT IN CSG. 32.43'
PERFS.
DISPLACEMENT Fresh Water 78½ BBLS

OWNER Fox Petialeum

CEMENT

AMOUNT ORDERED 150sx ASC+2%.Gel 5# Kolseal 500gals ASF

EQUIPMENT

PUMP TRUCK # 120 CEMENTER Dwayne W
HELPER Joe B
BULK TRUCK # 482 DRIVER John G
BULK TRUCK # DRIVER

COMMON	@		
POZMIX	@		
GEL 3	@	20.25	60.75
CHLORIDE	@		
ASC 150	@	16.20	2505.00
Kolseal 750#	@	.85	637.50
Salt 15	@	21.25	318.75
ASF 500gal	@	1.10	550.00
	@		
	@		
	@		
	@		
	@		
HANDLING 192	@	2.25	432.00
MILEAGE 192x38x.10			729.60
	TOTAL		5233.60

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REMARKS:

Pipe on Bottom Break Circulation pump 5 BBLS of Water pump 500 gals of ASF pump 5 BBLS of Water Behind Shut Down and plug Rat and mouse pump the rest tile Rest of the 175sx ASC+2%.Gel 5# Kolseal Shut Down and Realy plug and Washed up and Disp With 78½ BBLS of Fresh Water

SERVICE

DEPTH OF JOB 3310'
PUMP TRUCK CHARGE 1957.00
EXTRA FOOTAGE @
MILEAGE 38 @ 2.50 285.00
MANIFOLD Head Rent @ 110.00 110.00
@
@
TOTAL 2352.00

CHARGE TO: Fox Petialeum
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-5½ Rubber plug	@	71.00	71.00
15½ AFU insert	@	285.00	285.00
6-5½ Centralizers	@	55.00	330.00
15½ Guide Shoe	@	186.00	186.00
	@		
	TOTAL		872.00

Thank You

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME X John Spence

SIGNATURE X John Spence

JAMES C. MUSGROVE
Petroleum Geologist
P.O. Box 215
212 Main St.
Claflin, KS 67525

Office (620) 588-4250 Res. Claflin (620) 587-3444

Fox Petroleum Inc.
Wire #1
N/2-NE-SE (2310' FSL & 1980' FWL)
Section 34-17s-8w
Ellsworth County, Kansas

5 ½" Production Casing Set

Contractor: Warren Energy Co. (Rig #17)

Commenced: September 17, 2008

Completed: September 25, 2008

Elevation(revised): 1793' K.B.; 1791' D.F.; 1785' G.L.

Casing Program: Surface; 8 5/8" @ 292'

Samples: Samples saved and examined 1200' to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 1200' to the Rotary Total Depth.

Drill Stem Tests: There was four (4) Drill Stem Tests ran by Trilobite Testing Inc.

Measurements: All depths measured from the Kelly Bushing.

Electric Log: By Log Tech; Dual Induction, Dual Compensated Porosity Log, Microresistivity and Borehole Compensated Sonic Log.

Gas Detector: By MBC Well Logging.

Formation	Log Depth	Sub-Sea Datum
Herington	1238	+555
Winfield	1291	+502
Towanda	1362	+431
Ft Riley	1398	+395
Florence	1451	+342
Wreford	1563	+230
Council Grove	1589	+204
Neva	1741	+52
Red Eagle	1791	+2
Grand Haven	2034	-241
Tarkio Lime	2120	-327
Elmont	2183	-390
Howard	2328	-535
Severy	2389	-596
Topeka	2430	-638
Heebner	2702	-909
Toronto	2725	-932
Douglas	2735	-942
Brown Lime	2826	-1033
Lansing	2844	-1051
Base Kansas City	3164	-1374
Conglomerate	3191	-1398
Arbuckle	3228	-1435
Rotary Total Depth	3310	-1517
Log Total Depth	3310	-1517

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

HERINTON THROUGH DOUGLAS SECTION

1238-2824' There were several zones of well developed porosity encountered in the drilling of the Herington through Douglas section but no shows of oil and/or gas was noted. (See attached Drilling Time and Sample Log.)

LANSING SECTION

2844-2849' Limestone; tan, cream, finely crystalline, chalky in part, few cherty, poorly developed porosity, no shows.

2852-2860' Limestone; tan, gray, slightly fossiliferous, (dense), trace white chert.

2868-2882' Limestone; tan, gray, oomoldic, oolitic, fair to good oomoldic porosity, brown stain, trace of free oil and faint odor in fresh samples.

2898-2910' Limestone; tan, finely crystalline, fossiliferous, oolitic, poor brown stain, trace of free oil and faint odor in fresh samples.

2910-2924' Limestone; as above, poor visible porosity, "shaley" in part, trace stain, show of free oil and questionable odor in fresh samples.

2930-2940' Limestone; tan, gray, finely crystalline, oolitic, oomoldic, chalky, light brown stain, trace of free oil and faint odor in fresh samples, plus chert, white and gray, opaque.

2953-2970' Limestone; tan, oomoldic, good oomoldic porosity, slightly chalky, no shows.

2970-2990' Limestone; gray, brown, finely crystalline, dense.

3008-3013' Limestone; gray, finely crystalline, slightly fossiliferous, slightly cherty, poor visible porosity, (barren).

3018-3024' Limestone; white, gray, oolitic, poorly developed porosity, no shows.

3043-3060' Limestone; white, gray, finely crystalline, slightly chalky, dense, trace gray chert.

3074-3100' Limestone; gray and tan, finely crystalline, poor visible porosity, (dense).

3114-3140' Limestone; gray, brown, oolitic/fossiliferous, chalky in part, (dense).

3140-3150' Limestone; gray, finely crystalline, dense.

CONGLOMERATE SECTION

3191-3228' Varied colored shale; few sub waxey, plus orange red chert.

ARBUCKLE SECTION

3230-3231' Dolomite; cream, tan, medium and coarse crystalline, fair intercrystalline porosity, brown spotty stain, trace of free oil and fair odor in fresh samples.

Drill Stem Test #1 **3182-3231'**

Times: **30-30-30-45**

Blow: **Weak**

Recovery: **60' oil specked mud**
(2% oil, 98% mud)
5' slightly oil cut mud
(5% oil, 95% mud)

Pressures:

ISIP	**956**	**psi**
FSIP	**954**	**psi**
IFP	**25-50**	**psi**
FFP	**52-65**	**psi**
HSH	**1567-1496**	**psi**

3231-3235' Dolomite; as above, few sucrosic, increasing stain, show of free oil and fair odor, trace white chert.

Drill Stem Test #2 **3182-3235'**

Times: **30-30-45-60**

Blow: **Weak building**

Recovery: **1' clean oil**
10' oil cut mud
(10% oil, 90% mud)
178' slightly oil cut mud
(2% oil, 98% mud)

Pressures:

ISIP	**921**	**psi**
FSIP	**935**	**psi**
IFP	**69-89**	**psi**
FFP	**94-110**	**psi**
HSH	**1562-1511**	**psi**

3235-3239' Dolomite; as above, fair pinpoint and intercrystalline porosity, show of free and fair odor.

Drill Stem Test #3 **3182-3239'**

Times: **45-30-45-45**

Blow: **Weak, building**

Recovery: **10' oil cut mud**
(20% oil, 80% mud
180' slightly oil cut mud
(2% oil, 98% mud)

Pressures:

ISIP	**851**	**psi**
FSIP	**876**	**psi**
IFP	**35-73**	**psi**
FFP	**79-107**	**psi**

HSH 1556-1531 psi

3239-3250' Dolomite; gray, tan, fine to medium crystalline, slightly cherty, scattered porosity, spotty stain, show of free oil and faint odor in fresh samples.

3250-3261' Dolomite; tan, buff, medium crystalline, sucrosic, fair brown stain and saturation, show of free oil and fair odor in fresh samples.

Drill Stem Test #4 3239-3261'

Times: **30-30-30-45**

Blow: **Strong**

Recovery: **5' clean, gassy oil**
240' oil cut water
(50% oil, 50% water)
290' oil cut water
(40% oil, 60% water)
240' oil cut water
(20% oil, 80% water)
1240' slightly oil cut water
(2% oil, 98% water)

Pressures:	**ISIP**	**1058**	**psi**
	FSIP	**1073**	**psi**
	IFP	**193-605**	**psi**
	FFP	**633-862**	**psi**
	HSH	**1589-1566**	**psi**

3261-3270' Dolomite; gray, tan, pink, fine and medium crystalline, scattered vuggy porosity, trace stain, trace of free oil and faint odor, plus gray/white, oolitic opaque chert.

3270-3290' Dolomite; as above, increasingly tan, sucrosic, decreasing stain, show of free oil, plus white tan, boney opaque chert.

3290-3310' Dolomite; as above, with fair to good vuggy porosity, plus white boney chert, no shows.

Rotary Total Depth **3310 (-1517)**
Log Total Depth **3310 (-1517)**

Recommendations:
On the basis of the favorable Drill Stem Tests and Log Analysis, it was recommended by all parties involved to set and cement 5 ½" production casing at 3309 ft (one foot off bottom) and the following zones should be tested in the Wire #1:

1. Arbuckle Dolomite 3254-3255 perforate
2. Arbuckle Dolomite 3244-3247 perforate
3. Arbuckle Dolomite 3231-3235 perforate
4. Lansing 'C' Zone 2868-2874 perforate

Respectfully submitted;

James C Musgrove and
Tony Vail
Petroleum Geologists