

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 09346
Name: Diehl Oil, Inc.
Address: P. O. Box 234
City/State/Zip: Hays, KS 67601
Purchaser: NCRA
Operator Contact Person: Glenn D. Diehl
Phone: (785) 625-6711
Contractor: Name: Anderson Drilling Company
License: 33237
Wellsite Geologist: Glenn D. Diehl

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. _____

6-20-07	6-27-07	8-22 7-28-07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25649-0000
County: Ellis
NW NW SE Sec. 3 Twp. 12 S. R. 18 East West
2,310 feet from (S) N (circle one) Line of Section
2,310 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Leikam Well #: 3

Field Name: Bemis Shutts
Producing Formation: Arbuckle
Elevation: Ground: 2,158 Kelly Bushing: 2,163
Total Depth: 3,735 Plug Back Total Depth: 3,713
Amount of Surface Pipe Set and Cemented at 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1,436 Feet
If Alternate II completion, cement circulated from 1,436
feet depth to surface w/ 180 ^{sx cmt}

AH-2-79-1/14/09

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 6,000 ppm Fluid volume 500 bbls
Dewatering method used evaporation
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: [Signature]
Title: President Date: 9-27-07
Subscribed and sworn to before me this 11th day of October
2007
Notary Public: Barbara G. Tebow
Date Commission Expires: 02/02/2008

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes No Date: 10/11/07
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 23 2007

NOTARY PUBLIC - State of Kansas
BARBARA G. TEBOW
My Appt. Expires 02/02/2008

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Diehl Oil, Inc. Lease Name: Leikam Well #: 3
 Sec. 3 Twp. 12 S. R. 18 East West County: Ellis

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:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Stone Corral	1,429	+ 734
Topeka	3,141	- 978
Heebner	3,372	-1,209
Toronto	3,392	-1,229
Lansing	3,418	-1,255
Base Kansas City	3,655	-1,492
Arbuckle	3,688	-1,525

Dual Induction, dual compensated porosity, sonic cement bond

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
Surface	12.25	8.625	23#	220	common	150	3% cc 2% gel
Production	7.875	5.50	14#	3,730	common	110	10% salt

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 checked="" type="checkbox"/> Plug Off Zone	3694-3698	common	80	

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
2	3694-98	250 gal, 750 gal	3694-98
2	3694-98	250 gal	3694-98
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TUBING RECORD		Size	Set At	Packer At	Liner Run
		2.375	3,710		<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 8-2-07			Producing Method <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
	2.25	0	20.5		25

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)
 METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
 Production Interval 3694-98

ALLIED CEMENTING CO., INC. 21968

Federal Tax I.D.#

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

SERVICE POINT:
Russell, Ks.

DATE <u>6-20-07</u>	SEC. <u>3</u>	TWP. <u>12S</u>	RANGE <u>18W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>10:45 pm</u>
LEASE <u>Leitam</u>	WELL # <u>3</u>	LOCATION <u>Hays + Hwy 153 9 N</u>			COUNTY <u>Ellis</u>	STATE <u>Ks.</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>3/4 E Nint</u>					

CONTRACTOR AA Drilling R₃ #1

TYPE OF JOB Surface Sol

HOLE SIZE 12 1/4 T.D. 221

CASING SIZE 8 5/8 DEPTH 221

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 661

OWNER _____

CEMENT AMOUNT ORDERED 150 Con 3.2 cc 2.8 Gc 1

EQUIPMENT

PUMP TRUCK CEMENTER Shane

366 HELPER Robert

BULK TRUCK DRIVER Rocky

395

BULK TRUCK DRIVER _____

COMMON	<u>150</u>	@	<u>11⁰⁰</u>	<u>1665⁰⁰</u>
POZMIX		@		4495
GEL	<u>3</u>	@	<u>16⁶⁵</u>	<u>4995</u>
CHLORIDE	<u>5</u>	@	<u>46⁶⁰</u>	<u>233⁰⁰</u>
ASC		@		
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OCT 23 2007				
CONSERVATION DIVISION				
WICHITA, KS				
HANDLING	<u>158</u>	@	<u>1²⁰</u>	<u>300²⁰</u>
MILEAGE	<u>99/5K/mile</u>	@		<u>497²⁰</u>
TOTAL				<u>2745⁸⁵</u>

REMARKS:

Cement Circ 1

CHARGE TO: Diach Oil, Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE			<u>85⁰⁰</u>	
EXTRA FOOTAGE	@			
MILEAGE	<u>35</u>	@	<u>6⁰⁰</u>	
MANIFOLD	@			
	@			
	@			
TOTAL				<u>1025⁰⁰</u>

PLUG & FLOAT EQUIPMENT

	@			
	@			
<u>5 7/8 Wood Plug</u>	@		<u>60⁰⁰</u>	
	@			
TOTAL				<u>60⁰⁰</u>

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.

Signature: Eldo Senesac

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

Signature: Eldo Senesac

PRINTED NAME

ALLIED CEMENTING CO., INC.

31682

Federal Tax I.C.

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

SERVICE POINT:
Russell

DATE <u>6-27-07</u>	SEC. <u>3</u>	TWP. <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>8:00 p.m.</u>
LEASE <u>Leifer</u>	WELL# <u>3</u>	LOCATION <u>Hays N to St Andrews</u>		COUNTY <u>Ellis</u>	STATE <u>Ks.</u>		
<input checked="" type="radio"/> OLD OR <input type="radio"/> NEW (Circle one)		RD <u>3/4 E N. 12th</u>					

CONTRACTOR AA Drilling Rig #1 OWNER _____

TYPE OF JOB Production String

HOLE SIZE 2 7/8 T.D. 3235

CASING SIZE 5 1/2 DEPTH 3735

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL P.C. DEPTH 1432'

PRES. MAX 1100 psi. MINIMUM _____

MEAS. LINE _____ SHOE JOINT 12'

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 90 3/4 611

EQUIPMENT

PUMP TRUCK CEMENTER Shane, Craig

366 HELPER John

BULK TRUCK

213 DRIVER Doug

BULK TRUCK

_____ DRIVER _____

REMARKS:

Rat Hole 15 str.

Insert @

Cased Plug @ 1100 psi.

Float Held 1

CHARGE TO: Dickl Oil Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

CEMENT	AMOUNT ORDERED <u>125 Con 109, salt</u>		
	<u>500 Gal WFR-2</u>		
COMMON	<u>125</u>	@ <u>11.10</u>	<u>1387.50</u>
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
WFR ²	<u>500 Gal</u>	@ <u>1.00</u>	<u>500.00</u>
Salt	<u>12 pbv</u>	@ <u>19.20</u>	<u>230.40</u>
		@	
		@	
		@	
		@	
HANDLING	<u>137</u>	@ <u>1.90</u>	<u>260.30</u>
MILEAGE	<u>SK/mi/09</u>		<u>493.20</u>
			<u>2871.40</u>

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1610.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>40</u>	@ <u>6.00</u>	<u>240.00</u>
MANDOL	@	
COMMISSION	@	
	@	
TOTAL		<u>1850.00</u>

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CONSERVATION DIVISION

PLUG & FLOAT EQUIPMENT

<u>5/8 Plug</u>		<u>65.00</u>
<u>P.C. Blue</u>	@	<u>1750.00</u>
<u>1-Basket</u>	@	<u>165.00</u>
<u>G-Coats</u>	@ <u>50.00</u>	<u>300.00</u>
<u>AFU-Insert</u>	@	<u>260.00</u>
<u>Guid Shoe</u>	@	<u>170.00</u>
TOTAL		<u>2710.00</u>

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.

Thanks!

SIGNATURE Eldo Senesac

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Eldo Senesac

ALLIED CEMENTING CO., INC.

33244

Federal Tax I.D.#

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

SERVICE POINT:

Russell

DATE <u>7-20-07</u>	SEC. <u>3</u>	TWP. <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30am</u>	JOB FINISH <u>12:00pm</u>
LEASE <u>Leikam</u>	WELL # <u>3</u>	LOCATION <u>Hays n Buckeye Rd 2 n 74E</u>				COUNTY <u>WABAS</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD OR NEW (Circle one)		<u>Kinto</u>					

CONTRACTOR Express

TYPE OF JOB KB Squeeze

HOLE SIZE _____ T.D. _____

CASING SIZE 5/8 DEPTH _____

TUBING SIZE 2" DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Bus DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT 1150 80% 200

AMOUNT ORDERED 200 200 Com 1 Bag 11.10. Del note

COMMON	<u>20</u>	@	<u>11.10</u>	<u>222.00</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>200</u>	@	<u>1.90</u>	<u>380.00</u>
MILEAGE	<u>9.254</u>	MILE		<u>630.91</u>
TOTAL				<u>1898.91</u>

EQUIPMENT

PUMP TRUCK CEMENTER Craig

409 HELPER Abrian

BULK TRUCK

345 DRIVER John

BULK TRUCK

_____ DRIVER _____

REMARKS:

Hole from 3194-98 Packerst - 3.552. Test hole pressure pack side 500 psi Hold. Took injection rate at 4.51 @ 1200 psi Max 80% + 2.5 flow. Prepared to 1500 Wash Clean. Put gas joints + pressure pack side full out at hole from to casing shut in 500 psi. Thanks.

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 955.00

EXTRA FOOTAGE @ _____

MILEAGE 35 @ 6.00 210.00

MANIFOLD @ _____

TOTAL 1165.00

CHARGE TO: Glen Seckel

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

RECEIVED

KANSAS CORPORATION COMMISSION

OCT 23 2007

CONSERVATION DIVISION WICHITA, KS

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 _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

PRINTED NAME _____

ALLIED CEMENTING CO., INC.

25609

Federal Tax I.D.#

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

SERVICE POINT:

Russell

DATE <u>8-22-07</u>	SEC. <u>3</u>	TWP. <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>6:30 PM</u>
LEASE <u>Leitam</u>		WELL # <u>3</u>	LOCATION <u>Hays #2-70 9 N</u>		COUNTY <u>Ellis</u>	STATE <u>Ks.</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)			<u>3/4 E Ninta</u>				

CONTRACTOR Express Well Service OWNER _____

TYPE OF JOB Circulate Cement

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2 7/8 DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL P.C. _____ DEPTH 1436

PRES. MAX 1000 psi MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 7 1/4 121

CEMENT Used 180 sks 2 sand

AMOUNT ORDERED 350 6 1/2 67.6 gal

1/4 # Fl. 2-sand

COMMON	<u>108</u>	@ <u>11.10</u>	<u>1198.80</u>
POZMIX	<u>72</u>	@ <u>6.20</u>	<u>446.40</u>
GEL	<u>11</u>	@ <u>16.65</u>	<u>183.15</u>
CHLORIDE		@	
ASC		@	
FLO-SEAL	<u>650</u>	@ <u>2.00</u>	<u>1300.00</u>
SAND	<u>2</u>	@ <u>10.50</u>	<u>21.00</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>373</u>	@ <u>1.20</u>	<u>447.60</u>
MILEAGE	<u>91/100</u>		<u>1174.93</u>
TOTAL			<u>3833.00</u>

REMARKS:

Tested tools to 1000psi
Spotted Sand @ 1434. Pulled up
to 1436 to Open P.C. Got
Circulation. Mixed 180 sks
& Displaced 4 1/2 bbl. Closed
P.C. Test to 1000psi. Hold Run
5 hrs. Washed Clean. Washed
Sand at B.P. and Out of
hole. Cement Circulated.

CHARGE TO: Glen Deihl

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>955.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>35</u>	@ <u>6.00</u>	<u>210.00</u>
MANIFOLD		@	
		@	
TOTAL			<u>1165.00</u>

PLUG & FLOAT EQUIPMENT
RECEIVED
KANSAS CORPORATION COMMISSION

OCT 23 2007

CONSERVATION DIVISION
WICHITA, KS

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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.

SIGNATURE Thanks!
[Signature]

PRINTED NAME _____