

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 5134

Name: Graham-Michaëlis Corporation

Address P. O. Box 247

City/State/Zip Wichita, KS 67201

Purchaser: Koch Oil Co.

Operator Contact Person: Jack L. Yinger

Phone (316) 264-8394

Contractor: Name: \_\_\_\_\_

License: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SUD  S10W  Temp. Abd.  
 Gas  ENHR  S1GW  
 Dry  Other (Core, MSW, Expl., Cathodic, etc)

INJECTION WELL

If Workover/Re-Entry: old well info as follows:

Operator: Graham-Michaelis Corp.

Well Name: Schultze 2-27

Comp. Date 4/20/81 Old Total Depth 3691'

Deepening  Re-perf.  Conv. to Inj/SUD  
 Plug Back  PSTD  
 Coamingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SUD or Inj?) Docket No. E-26,620

Rework: 11/79/92 11/10/92 1/21/93  
Spud Date Date Reached TD Completion Date

API NO. 15- 15,141-20,089 0001

County Osborne

CE/2 NE NW NW Sec. 27 Twp. 9S Rge. 15W

330 Feet from S/N (circle one) Line of Section

1155 Feet from E/N (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Schultze Well # 2-27 INJECTION

Field Name Round Mound North WELL

Producing Formation Lansing

Elevation: Ground 2005 KB 2009

Total Depth 3691' PSTD 3642'

Amount of Surface Pipe Set and Cemented at 248' Feet

Multiple Stage Cementing Collar Used?  Yes  No  
Cement circulated from surface to 1190'.

If yes, show depth set \_\_\_\_\_ Feet  
Perf 1190' cement w/125 sx. Perf 700', cement

If Alternate II completion, cement circulated from \_\_\_\_\_  
w/275 sx. Perf 450', cement w/150 sx. Ran MIT.OK.  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cnt.

Drilling Fluid Management Plan 3-12-91  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Jack L. Yinger

Title Jack L. Yinger, Vice President Date 2/11/93

Subscribed and sworn to before me this 11th day of February, 19 93.

Notary Public Aldine M. Johnson

Date Commission Expires \_\_\_\_\_

Aldine M. Johnson  
NOTARY PUBLIC  
State of Kansas  
MY APPT. EXPIRES 3-19-93

RECEIVED  
STATE CORPORATION COMMISSION  
2-12-1993  
FEB 12 1993  
OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Geologist Report Received  
Wichita, Kansas  
Distribution  
 KCC  SUD/Rep  NGPA  
 KGS  Plug  Other (Specify)

**ORIENTAL**  
 Operator Name Graham-Michaelis Corp.

SIDE TWO

Lessee Name Schultze Well # 2-27  
 County Osborne

Sec. 27 Twp. 9S Rge. 15W  
 East  
 West

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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:

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum

Copy of original ACO-1 attached.

Copy of original ACO-1 attached.

CASING RECORD <input 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	12-1/4"	8-5/8"	24#	248'	common	190	3% CC, 2% gel
Production	7-7/8"	4-1/2"		3689'		200	

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				
	Cement circulated from surface to perf 700', cmt w/275 sx; perf 450'			190. Perf 1190', cmt w/125 sx; cmt w/150 sx. Ran MIT. O.K.

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	3212-3423' OA	15,600 gallons 28% mud acid 3212-3423' OA.

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
		2-3/8"	3645'			
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input 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	

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 \_\_\_\_\_

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

2143

ORIGINAL

Date	10-19-92	Sec.	27	Twp.	9 <sup>s</sup>	Range	15 <sup>w</sup>	Called Out	7:00 A.M.	On Location	9:15 A.M.	Job Start	9:45 A.M.	Finish	1:15 P.M.
Lease	Schultze	Well No.	2-27	Location		Natoma (E. side) 4N 1/4 E 1/2 S		County	Osborne	State	Ks.				
Contractor	Maier Well Service														
Type Job	Squeeze														
Hole Size	7 7/8"	T.D.													
Csg.	4 1/2"	Depth													
Tbg. Size	2"	Depth													
Drill Pipe	Bridge Plug	Depth	3010'												
Tool	Special	Depth	596'												
Cement Left in Csg.	50' ±	Shoe Joint													
Press Max.	1500 #	Minimum													
Meas Line		Displace	X												

Owner Some

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 listed.

Charge To Graham-Michaelis Corp.  
Street P.O. Box 232  
City Russell State Ks. 67665

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. X Norman R. [Signature]

**CEMENT**

Perfo 3 holes at 700'

**EQUIPMENT**

Amount Ordered	200 sks 6 9/40 for 4 bags,	
Consisting of	75 sks com 3 loc. C. + 7 sks gel.	
Common	195 sks @ 5.50/sk.	1072.50
Poz. Mix	80 sks @ 2.50/sk.	200.00
Gel.	11 sks @ 6.75/sk (Used 14 sks)	74.25
Chloride	2 sks @ 21.00/sk.	42.00
Quickset		
Sales Tax		

No.	Cementer	<u>Gary H.</u>
Pumptrk #191	Helper	<u>Marlyn K.</u>
No.	Cementer	
Pumptrk	Helper	
	Driver	<u>Joe S.</u>
Bulktrk #212		
Bulktrk #160	Driver	<u>Walt D.</u>

DEPTH of Job		
Reference #4	Pumptrack squeeze day	380.00
#13	mileage @ 2.00/mi.	40.00
Sub Total		420.00
Tax		
Total		

Handling	¢1.00/sk. (275 sks)	275.00
Mileage	¢0.47/sk/mi. (20 mi.)	220.00
Sub Total		1883.75
Total		
Floating Equipment	<u>Thanks</u>	

Remarks: Perforated 4 1/2" csg. at 700'. Ran packer and set at 596'. Took injection rate of 2 1/2 bbls./min. at 500#. Mixed cement and squeezed to 1500#. Cleared tbg. and 60' of csg. Pulled packer, Put 500# on squeeze and shut in.

RECEIVED  
STATE COOPERATION COMMISSION  
MAR 11 1993  
3-11-1993  
CONSERVATION DIVISION  
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

15-141-20,089-00-01

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

5260 ORIGINAL

OID

Date	10-15-92	Sec.	27	Twp.	9 <sup>s</sup>	Range	15 <sup>w</sup>	Called Out		On Location	10:30 AM	Job Start		Finish	6:00 PM
Lease	Schultz	Well No.	2-27	Location	Matoma							County	Osborne	State	Kan

Contractor	Maier Well Service	
Type Job	Circ. Cement	
Hole Size		T.D.
Csg.	4 1/2	Depth
Tbg. Size	2"	Depth
Drill Pipe		Depth
Tool	1085'	Depth Special
Cement Left in Csg.		Shoe Joint
Press Max.		Minimum
Meas Line		Displace
Perf.	1190'	3010'

Owner	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 listed.	
Charge To	Graham-Michealis	
Street	Box 232	
City	Russell	State Kansas
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.		
X	Norman R. Riehl	
	<b>CEMENT</b>	
Amount Ordered	2-Sand 75 sks com, 3% cc, 275 60/40 por, 4%	
Consisting of		
Common	105 @ 55 <sup>o</sup>	5775 <sup>o</sup>
Poz. Mix	20 @ 25 <sup>o</sup>	500 <sup>o</sup>
Gel.		
Chloride	2 @ 21 <sup>o</sup>	42 <sup>o</sup>
Quickset		
Sand	2 @ 475	950
Sales Tax		
Handling	1 <sup>o</sup> per sk	125 <sup>o</sup>
Mileage	4¢ per sk/mile	100 <sup>o</sup>
Sub Total		
Total		904 <sup>o</sup>
Floating Equipment		

**EQUIPMENT**

Pumptrk	No.	Cementer	Walt
	153	Helper	Deve
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	212	Driver	Joe
Bulktrk		Driver	

<b>DEPTH of Job</b>		
Reference:	Pumptrick	380 <sup>o</sup>
	2 <sup>o</sup> per mile	40 <sup>o</sup>
	Sub Total	
	Tax	
	Total	420 <sup>o</sup>

Remarks: Test Plug @ 1500 psi, Spotted 2-Sand, Set Tool above Perfs, mixed 9 sks Gel down tubing, pressure increased, mixed 50 sks 60/40 por, 4% Gel Followed w/ 75 com, 3% cc, staged it

Thank You

RECEIVED  
 STATE CORPORATION COMMISSION  
 MAR 11 1993  
 3-11-1993  
 CONSERVATION DIVISION  
 Wichita, Kansas

15-141-20, 089-00-01

TO: Graham Michaelis  
Box 232  
Russell, KS 67665

INVOICE NO. 62757  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Schultze #2-27  
DATE Oct. 15, 1992

SERVICE AND MATERIALS AS FOLLOWS:

**ORIGINAL**

Common 105 sks @\$5.50	\$577.50
Pozmix 20 sks @\$2.50	50.00
Chloride 2 sks @\$21.00	42.00
Sand 2 sks @\$4.75	9.50
Handling 125 sks @\$1.00	125.00
Mileage (20) @\$.04¢ per sk per mi	100.00
Circ. cement	380.00
Mi @\$2.00 pmp trk chg	40.00

*Crawford 568.66*  
*Schultze 568.66*

\$ 679.00

645.00

Sales tax 78.12

Total \$1,402.12

**RECEIVED**

*D. R. Cloud*

OCT 20 1992

Thank you! If account **CURRENT** 20% discount will be allowed **ONLY** if paid within **30** days from date of invoice.

Graham Michaelis Corp.  
Wichita, Kansas

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

*-264.00*  
1,137.12

TELEPHONE: \_\_\_\_\_  
AREA CODE 913 483-2427

**ALLIED CEMENTING COMPANY, INC.**  
P. O. BOX 31  
RUSSELL, KANSAS 67665

*1309*

TO: Graham Michaelis Corp.  
Box 232  
Russell, KS 67665

INVOICE NO. 62759  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Schultze #2-27  
DATE Oct. 19, 1992

SERVICE AND MATERIALS AS FOLLOWS:

Common 195 sks @\$5.50	\$1,072.50
Pozmix 80 sks @\$2.50	200.00
Gel 11 sks @\$6.75	74.25
Chloride 2 sks @\$21.00	42.00
Handling 275 sks @\$1.00	275.00
Mileage (20) @\$.04¢ per sk per mi	220.00
Squeeze	380.00
Mi @\$2.00 pmp trk chg	40.00

*Crawford 983.70*  
*Schultze 983.70*

\$1,388.75

915.00

Sales tax 124.40

Total \$2,428.15

**RECEIVED**

*D. R. Cloud*

OCT 20 1992

If account **CURRENT** 20% discount will be allowed **ONLY** if paid within **30** days from date of invoice.

Graham Michaelis Corp.  
Wichita, Kansas

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

*-460.75*  
1,267.40

**RECEIVED**  
CONSERVATION DIVISION  
Wichita, Kansas

MAR 11 1993  
3-11-1993

15-141-20089-00-0

AREA CODE 913 483-7627 P. O. BOX 31 RUSSELL, KANSAS 67665

TO: Graham Michaelis  
Box 232  
Russell, KS 67665

INVOICE NO. 62758  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Schultze #2-27  
DATE Oct. 21, 1992

ORIGINAL

SERVICE AND MATERIALS AS FOLLOWS:

Common 150 sks @\$5.50	\$825.00
Chloride 5 sks @\$21.00	<u>105.00</u>
Handling 150 sks @\$1.00	150.00
Mileage (20) @\$.04¢ per sk per mi	120.00
Squeeze	380.00
Mi @\$2.00 pmp trk chg	<u>40.00</u>

*Crawford 695.79*  
*Schultze 695.79*  
\$ 930.00  
  
690.00  
  
Sales tax 95.58  
Total \$1,715.58 ✓  
*- 324.00*  
1,391.58

RECEIVED

OCT 20 1992 *D. A. Clark*

Graham-Michaelis Corp  
Wichita Kansas

Thank you!

If account CURRENT 20% discount will be allowed ONLY if paid within 30 days from date of invoice.

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

TELEPHONE: AREA CODE 913 483-7627

ALLIED CEMENTING COMPANY, INC.  
P. O. BOX 31  
RUSSELL, KANSAS 67665

1309

TO: Graham Michaelis Corp.  
Box 232  
Russell, KS 67665

INVOICE NO. 62760  
PURCHASE ORDER NO. \_\_\_\_\_  
LEASE NAME Schultze #2-27  
DATE Oct. 22, 1992

SERVICE AND MATERIALS AS FOLLOWS:

Common 70 sks @\$5.50	\$385.00
Gel 2 sks @\$21.00	<u>42.00</u>
Handling 70 sks @\$1.00	70.00
Mileage (20) @\$.04¢ per sk per mi	56.00
Squeeze	380.00
Mi @\$2.00 pmp trk chg	<u>40.00</u>

*Crawford 417.91*  
*Schultze 417.90*  
\$ 427.00  
  
546.00  
  
Sales tax 57.41  
Total \$1,030.41 ✓  
*- 194.60*  
835.81

RECEIVED

OCT 20 1992

Graham-Michaelis Corp  
Wichita Kansas

Thank you!

*D. A. Clark*

If account CURRENT 20% discount will be allowed ONLY if paid within 30 days from date of invoice.

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

RECEIVED  
STATE REGENERATION COMMISSION  
MAR 11 1993  
3-11-1993  
CONSERVATION DIVISION  
Wichita, Kansas

Phone 913-433-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

15-141-20,089-00-01

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

OLD

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

5265 ORIGINAL

Date	10-22-92	Sec.	27	Twp.	9 <sup>s</sup>	Range	15 <sup>W</sup>	Called Out		On Location	3:30 PM	Job Start		Finish	6:30 PM
Lease	Schultze	Well No.	2-27	Location	Natama	4N-14E-5S.		County	Ostborne	State	Kan				

Contractor	Maier Well Service	
Type Job	Squeeze	
Hole Size		T.D.
Csg.	4 1/2"	Depth
Tbg. Size	2"	Depth
Drill Pipe		Depth
Tool	Special	Depth 348'
Cement Left in Csg.		Shoe Joint
Press Max.		Minimum
Meas Line		Displace
Perf.	450'	

### EQUIPMENT

Pumptrk #	No.	Cementer	Walt berald
153		Helper	
Pumptrk #	No.	Cementer	Jason
160		Helper	
Bulktrk #		Driver	
Bulktrk #		Driver	

DEPTH of Job	
Reference:	Pumptruck
	200 per mile
	380 <sup>00</sup>
	40 <sup>00</sup>
	Sub Total
	Tax
	Total 420 <sup>00</sup>

Remarks: Pumped into Perfs @ 1BPM @ 800psi  
 mixed 70 SKs cement, staged it,  
 Squeezed @ 1000 psi, cleared Tubing  
 Check Squeeze, washed out  
 1-ft, came out of hole, pressured casing to 500psi, shot

Owner	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 listed.
Charge To	Graham-Michealis
Street	Box 232
City	Russell State Kansas
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	Norman Rodine

### CEMENT

Amount Ordered	70-com, 3% CC
Consisting of	
Common	70 @ 5.50 = 385 <sup>00</sup>
Poz. Mix	
Gel.	2 @ 21 <sup>00</sup> = 42 <sup>00</sup>
Chloride	
Quickset	
	Sales Tax
Handling	1.00 per SK = 70 <sup>00</sup>
Mileage	4¢ per SK/mile = 56 <sup>00</sup>
(20)	Sub Total
	Total 553 <sup>00</sup>

Floating Equipment

RECEIVED  
 STATE CORPORATION COMMISSION  
 MAR 11 1993  
 CONSERVATION DIVISION  
 Wichita, Kansas

# ALLIED CEMENTING CO., INC.

No 2250

Home Office P. O. Box 31

Russell, Kansas 67665

Old

ORIGINAL

Date	10-21-92	Sec.	27	Twp.	9	Range	15	Called Out		On Location	9:00AM	Job Start	9:30AM	Finish	
Lease	Schulze	Well No.	2-27	Location	Natoma	4N 1N	Osburne	County		State	Kansas				
Contractor	Main Well Service														
Type Job	Squeeze Well Service														
Hole Size	7 7/8	T.D.													
Csg.	4 1/2	Depth													
Tbg. Size	2 1/2	Depth	352												
Drill Pipe		Depth													
Tool	Special	Depth	352												
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace													
Perf.	EQUIPMENT														

Pumptrk	No.	Cementer	R. Davis
		Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	212	Driver	
		Driver	Joe

DEPTH of Job		
Reference:		380 <sup>00</sup>
	2 <sup>00</sup> Per Mile	40 <sup>00</sup>
	Sub Total	
	Tax	
	Total	420 <sup>00</sup>

Remarks:

Owner	Same	
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 listed.		
Charge To	Graham-Michaelis	
Street	Box 232	
City	Russell State Kansas	
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.		
X	Norman Rodie	
	CEMENT	
Amount Ordered	150 Common 30% CC	
Consisting of		
Common	150 Sha @ 55 <sup>00</sup> 825 <sup>00</sup>	
Poz. Mix		
Gel.		
Chloride	5 @ 21 <sup>00</sup> 105 <sup>00</sup>	
Quickset		
Sales Tax		
Handling	@ 1 <sup>00</sup> 150 <sup>00</sup>	
Mileage	44/SK/Mile 120 <sup>00</sup>	
	(20)	
	Sub Total	
	Total	1200 <sup>00</sup>
Floating Equipment		

RECEIVED  
STATE COMMISSION  
MAR 11 1993  
3-11-1993  
REGISTRATION DIVISION  
Wichita, Kansas