

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

Operator: License # 3258
 Name: Lansing Energy Operations, Inc.
 Address: 107 North Market - Suite 1115
 City/State/Zip: Wichita, Kansas 67202
 Purchaser: NCRA
 Operator Contact Person: Richard Cornett
 Phone (316) 262-7595
 Contractor: Name: Duke Drilling Co., Inc.
 License: 5929
 Wellsite Geologist: Richard Cornett
 Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

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

Operator: _____
 Well Name: _____
 Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Casing/Log Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10-09-97 10-17-97 10-18-97
 Spud Date Date Reached TD Completion Date

API NO. 15- 063-21,510-0000
 County Gove County, Kansas
 SW NW - SW - Sec. 17 Twp. 14S Rge. 28 X W
 Feet from S (circle one) Line of Section
330 39 Feet from E (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE, SE, NW or SW (circle one)
 Lease Name Heard "N" Well # 1
 Field Name Mabel
 Producing Formation Ft. Scott
 Elevation: Ground 2674' KB 2683'
 Total Depth 4480' PBTB 4500'
 Amount of Surface Pipe Set and Cemented at 262 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set 2138' Feet
 If Alternate II completion, cement circulated from 2138'
 feet depth to Surf. w/ 345 sx cnt.
 Drilling Fluid Management Plan Alt. 2, 5-29-98 VC.
 (Data must be collected from the Reserve Pit)

Chloride content 2500 ppm Fluid volume 150 bbls
 Dewatering method used evaporation
 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: [Signature]
 Title: Pres Date: 3-6-98
 Subscribed and sworn to before me this 11th day of MARCH
 19 1998
 Notary Public: Janice K. Bright
 Date Commission Expires: MAR. 26, 2001

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)



SIDE TWO

Operator Name Lansing Energy Operations, Inc. Lease Name Heard "N" Well # 1
 Sec. 17 Twp. 14S Rge. 28 East West
 County Gove County, Kansas

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: RA Guard Log

Log Formation (Top), Depth and Dates Sample Name
 E-Log & Sample tops (see Geological report)

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	20#	262'	60/40 Poz	190	3%cc 2%gel
Production	7-7/8"	4-1/2"		4471'	ASC	175	5#/sk gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2138	60/40 pos 6% gel,	345	sx

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	4328-32 & 4311-16		A 1500 gal, 15% NEFE

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 3/8"	4349'			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.				Producing Method			
01-02-98				<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
	15		-0-		-0-		39

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

ORIGINAL

ALLIED CEMENTING CO., INC. 9416

Federal Tax I.D.# 48-0727860

P.O. BOX 31
RUSSELL, KANSAS 67665

RECEIVED
KANSAS CORP COMM

SERVICE POINT: Russell

DATE <u>11-6-97</u>	SEC. <u>17</u>	TWP. <u>14</u>	RANGE <u>28</u>	CALLS OUT: <u>6:00 AM</u>	ON LOCATION <u>11:00 AM</u>	JOB START <u>12:15 PM</u>	JOB FINISH <u>1:30 PM</u>
LEASE <u>HEARD</u>	WELL # <u>1</u>	LOCATION <u>Grove 10 S 2E 1 1/2 N F into</u>			COUNTY <u>Gove</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Phain's Well Service</u>	OWNER
TYPE OF JOB <u>Open Port Collar (Circ. Cement)</u>	CEMENT <u>(USED 345 SK)</u>
HOLE SIZE _____ T.D. _____	AMOUNT ORDERED <u>450 SK 69 1/40 6 1/2 GEL</u>
CASING SIZE <u>4 1/2</u> DEPTH _____	<u>1/4 # FIO Seal Per SK</u>
TUBING SIZE <u>2 7/8</u> DEPTH _____	
GEAR <u>George</u> DEPTH <u>MID-CON</u>	
TOOL <u>Port Collar</u> DEPTH <u>2138</u>	
PRES. MAX <u>1,000 #</u> MINIMUM _____	COMMON <u>207 SK @ 7.55 = 1562.85</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>138 SK @ 3.25 = 448.50</u>
CEMENT LEFT IN CSG. _____	GEL <u>18 SK @ 9.50 = 171.00</u>
PERFS. _____	CHLORIDE _____ @ _____
DISPLACEMENT _____	<u>FIO Seal 85 # @ 1.15 = 97.75</u>
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Alm</u>	HANDLING <u>450 SK @ 1.05 = 472.50</u>
# <u>177</u> HELPER <u>Will</u>	MILEAGE <u>47 Ten Mile @ .04 = 846.00</u>
BULK TRUCK	
# <u>291</u> DRIVER <u>Darin</u>	
BULK TRUCK	
# _____ DRIVER _____	TOTAL <u>3598.60</u>

REMARKS: Pressured CSG to 1,000# (Held)
Opened Port Collar, Pumped on
& got good circulation, mixed
345 SK cement & cement circulated
to surface, disp. 7 BBL, closed port
collar, rechecked to 1,000# (Held)
Ran JTS, & Circ Hole Clean, came
out of hole w/ tool. THANKS

SERVICE: DEPTH OF JOB _____
PUMP TRUCK CHARGE 580.00
EXTRA FOOTAGE _____ @ _____
MILEAGE 47 @ 2.85 = 133.95
PLUG _____ @ _____
TOTAL 713.95

CHARGE TO: LANSING ENERGY OPER, INC.
STREET 107 N Market, ST # 115
CITY Wichita STATE Kan ZIP 67202

Cement DID CIRCULATE ✓
ALLIED CEMENTER Alm Lintso
OPERATOR - Rick L. Corn
Midcon - Doug M. Mnd
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.

FLOAT EQUIPMENT 4312.55
15% DISCOUNT = 646.88
TO TOTAL # 3665.67

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

PAID
CR # 1308

SIGNATURE Rick L. Corn

PRINTED NAME

ORIGINAL

ALLIED CEMENTING CO., INC. 8607

Federal Tax I.D.# 48-0727860

ALLIED CEMENTING CO. (1982) 48-0727860
KANSAS CORP CO. (1982) 48-0727860
KANSAS CORP CO. (1982) 48-0727860

MAILING ADDRESS: P.O. BOX 31
RUSSELL, KANSAS 67665

RECEIVED
KANSAS CORP CO.
SERVICE POINT: Oakley

DATE	10-18-97	SEC.	17	TWP.	14	RANGE	29	CALLED OUT		ON LOCATION #	12:30 AM	JOB START	5:30 AM	JOB FINISH	7:15 AM
LEASE	Heard	WELL #	N-1	LOCATION	Cave 105-2E-W-E.S.			COUNTY	Cave	STATE	Kan.				
OLD OR <u>NEW</u> (Circle one)															

CONTRACTOR	Duke Dr. #4	OWNER	Same
TYPE OF JOB	Production string		
HOLE SIZE	T.D. 4480'	CEMENT	
CASING SIZE	DEPTH 4471'	AMOUNT ORDERED	175 SKS ASC, 5 th per sk
TUBING SIZE	DEPTH		500 gal WFR-2
DRILL PIPE	DEPTH		
TOOL	Port Collar	DEPTH	2136'
PRES. MAX	MINIMUM	COMMON	@
MEAS. LINE	SHOE JOINT 32.23	POZMIX	@
CEMENT LEFT IN CSG.	32'	GEL	@
PERFS.		CHLORIDE	@
DISPLACEMENT			

500 gal WFR-2	@	1.00	500.00
ASC 175 SKS	@	9.05	1583.25
Gelsante 875#	@	39¢	332.25
HANDLING 175 SKS	@	1.05	183.75
MILEAGE 4¢ per SK/mile			329.00
TOTAL			2929.00

EQUIPMENT	
PUMP TRUCK CEMENTER	Dean, Walt
# 191 HELPER	Jeff
BULK TRUCK DRIVER	Andrew
# 315	
BULK TRUCK DRIVER	
#	

REMARKS:

Float Held

Walt Dean

CHARGE TO: Lansing Energy
STREET 107 N Market # 115
CITY Wichita STATE Kansas ZIP 67202

SERVICE

DEPTH OF JOB	4471'
PUMP TRUCK CHARGE	1,145.00
EXTRA FOOTAGE	@
MILEAGE 49-miles	@ 2.85 133.95
PLUG 4 1/2 Rubber	@ 38.00
	@
	@
TOTAL	1,316.95

FLOAT EQUIPMENT

4 1/2	
1- Guide Shoe	@ 140.00
1- RFU insert	@ 235.00
1- Basket	@ 125.00
1- Port Collar	@ 2,340.00
7- Centralizers	@ 371.00
TOTAL	3,215.00

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 Barney Papp

PRINTED NAME _____

ALLIED CEMENTING CO., INC. 8549

Federal Tax I.D.# 48-0727860

P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

RECEIVED
KANSAS CORP COM.

SERVICE POINT:

OAKLEY

DATE: 10-9-97	SEC: 17	TWP: 14S	RANGE: 28W	CALLED OUT: 11:00 AM	ON LOCATION: 2:00 PM	JOB START: 9:15 AM	JOB FINISH: 9:45 AM
LEASE: HEARD "N"	WELL#: 1	LOCATION: COVE 105-2E-14N			COUNTY: COVE	STATE: KS	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR: DUKE DRUG. #16 #4

OWNER: SAME

TYPE OF JOB: SURFACE

HOLE SIZE: <u>12 1/4"</u>	T.D.: <u>262'</u>
CASING SIZE: <u>8 5/8"</u>	DEPTH: <u>262'</u>
TUBING SIZE:	DEPTH:
DRILL PIPE:	DEPTH:
TOOL:	DEPTH:
PRES. MAX:	MINIMUM:
MEAS. LINE:	SHOE JOINT:
CEMENT LEFT IN CSG.: <u>15'</u>	
PERFS.:	
DISPLACEMENT: <u>15 3/4 BBL</u>	

EQUIPMENT

PUMP TRUCK # 300 CEMENTER: TERRY
HELPER: WAYNE

BULK TRUCK # 315 DRIVER: LOWNIE

BULK TRUCK # _____ DRIVER: _____

CEMENT	AMOUNT ORDERED	<u>190 SKS 60/40 P&Z 3% CC 2866L</u>
COMMON	<u>114 SKS @ 6.35</u>	<u>723.90</u>
POZMIX	<u>76 SKS @ 3.25</u>	<u>247.00</u>
GEL	<u>3 SKS @ 9.50</u>	<u>28.50</u>
CHLORIDE	<u>5 SKS @ 28.00</u>	<u>140.00</u>
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>190 SKS @ 1.02</u>	<u>199.80</u>
MILEAGE	<u>4¢ per skload</u>	<u>357.20</u>
TOTAL		<u>1,696.10</u>

REMARKS:

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>470.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>47 miles</u>	@ <u>2.85</u> <u>133.95</u>
PLUG <u>8 5/8 SURFACE</u>	@ <u>45.00</u>
	@
	@

TOTAL 648.95

CHARGE TO: LANSING ENERGY Oper Inc.
STREET: 107 N MARKET, ST. # 1115
CITY: Wichita STATE: Kan ZIP: 67202

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

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: Rich Wheeler

PRINTED NAME _____