

7/3/09

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

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

ORIGINAL

Operator: License # 5135
Name: John O. Farmer, Inc.
Address: P.O. Box 352
City/State/Zip: Russell, KS 67665
Purchaser: NCRA
Operator Contact Person: Marge Schulte
Phone: (785) 483-3145, Ext. 214
Contractor: Name Discovery Drilling Company, Inc.
License: 31548
Wellsite Geologist: Randall Kilian

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. _____

<u>3-22-07</u>	<u>3-29-07</u>	<u>5-10-07</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 135-24,625-00-00
County: Ness
SW - SW - NE - SE Sec. 3 Twp. 17 S. R. 25 East West
1590 feet from (S) N (circle one) Line of Section
1210 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Mollenkamp Well #: 1
Field Name: (wildcat)

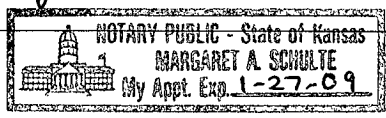
Producing Formation: Mississippi
Elevation: Ground: 2499' Kelly Bushing: 2507'
Total Depth: 4535' Plug Back Total Depth: 4510'
Amount of Surface Pipe Set and Cemented at 210 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set Port Collar @ 1876 Feet
If Alternate II completion, cement circulated from 1865
feet depth to surface w/ 275 sx cmt.

Drilling Fluid Management Plan AAI N 010209
(Data must be collected from the Reserve Pit)
Chloride content 15,000 ppm Fluid volume 300 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: John O. Farmer III
Title: President Date: 7-3-07
Subscribed and sworn to before me this 3rd day of July,
2007.
Notary Public: Margaret A. Schulte
Date Commission Expires: _____



KCC Office Use ONLY

Y Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received **RECEIVED**
 UIC Distribution **KANSAS CORPORATION COMMISSION**

JUL 05 2007

Operator Name: John O. Farmer, Inc. Lease Name: Mollenkamp Well #: 1
 Sec. 3 Twp. 17 S. R. 25 East West County: Ness

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	
	Anhydrite 1860' (+647)	
	Base/Anhydrite 1888' (+619)	
	Heebner Shale 3839' (-1332)	
	Toronto 3857' (-1350)	
	Lansing 3876' (-1369)	
	Base/KC 4169' (-1662)	
	Ft. Scott 4374' (-1867)	
	Mississippi 4478' (-1971)	

Microresistivity Log, Dual Induction Log, Dual Compensated Porosity Log

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	12-1/4"	8-5/8"	23#	210'	Common	150	3% C.C., 2% Gel
Production	7-7/8"	5-1/2"	14#	4534'	EA-2	150	
Port Collar				1865'	ALHD	275	

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				

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 SPF	4477-82' (Mississippi)	250 gals. 15% NE	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	4506"		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
May 18, 2007	<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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
	17.00		35.00		37.5°

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 4477-82' (Mississippi)
 (If vented, Submit ACO-18.) Other (Specify) _____



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: **John O. Farmer, Inc. LIC# 5135**
370 West Wichita Avenue
Russell, KS 67665

Contractor: **Discovery Drilling Co., Inc. LIC#31548**
PO Box 763
Hays, KS 67601

Lease: Mollenkamp #1

Location: 60' S & 230' W of SW / NE / SE
Sec. 3 / 17S / 25W
Ness Co., KS

Loggers Total Depth: 4535'
Rotary Total Depth: 4535'
Commenced: 3/22/2007
Casing: 8 5/8" @ 210.30' w / 150 sks
5 1/2" @ 4534' w / 150 sks
(Port Collar @ 1865')

API#15- 135-24, 625-00-00
Elevation: 2499' GL / 2507' KB
Completed: 3/29/2007
Status: Oil Well

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	0'	Shale	1889'
Dakota Sand	787'	Shale & Lime	2438'
Shale	876'	Shale	2977'
Cedar Hill Sand	1327'	Shale & Lime	3452'
Red Bed Shale	1590'	Lime & Shale	3985'
Anhydrite	1861'	RTD	4535'
Base Anhydrite	1889'		

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

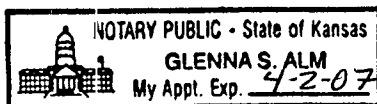
Thomas H. Alm

Subscribed and sworn to before me on 4-2-07

My Commission expires: 8-9-07

(Place stamp or seal below)

Notary Public



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JUL 03 2007
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 05 2007

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 30139

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

SERVICE POINT:

M.B.

COPY

DATE <i>3-22-07</i>	SEC. <i>3</i>	TWP. <i>17s</i>	RANGE <i>25w</i>	CALLED OUT <i>3pm</i>	ON LOCATION <i>7pm</i>	JOB START <i>8pm</i>	JOB END <i>9pm</i>
NAME <i>Mallen Kamp</i>			LOCATION <i>Arnold 1w 235 w/s</i>			COUNTY <i>Ness</i>	STATE <i>K.S.</i>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR *Discovery Rig 3*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/2* T.D. *211ft*

CASING SIZE *8 1/2* DEPTH *210ft*

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. *15ft*

PERFS. _____

DISPLACEMENT *12m³ bbl*

OWNER _____

CEMENT AMOUNT ORDERED *Used 150 sks, 160 cu Common 3cc 28 gal*

COMMON	<i>160 cu.</i>	@	<i>10.65</i>	<i>1704.00</i>
POZMIX		@		
GEL	<i>3 cu.</i>	@	<i>16.65</i>	<i>49.95</i>
CHLORIDE	<i>5 cu.</i>	@	<i>46.60</i>	<i>233.00</i>
ASC		@		
HANDLING	<i>160 cu.</i>	@	<i>1.90</i>	<i>319.20</i>
MILEAGE	<i>188 mi.</i>	@	<i>24</i>	<i>362.88</i>
TOTAL				<i>2669.03</i>

EQUIPMENT _____

PUMP TRUCK CEMENTER *Mike M.*

224 HELPER *Jim W.*

BULK TRUCK

342 DRIVER *Steve T.*

BULK TRUCK

_____ DRIVER _____

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REMARKS:

*Circulate Hole with Rig mud pump
Mix Cement + Release Plug
Displace Plug Down with water*

*Cement did circulate to
Surface*

SERVICE

DEPTH OF JOB	<i>210ft</i>			
PUMP TRUCK CHARGE				<i>815.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>24</i>	@	<i>6.00</i>	<i>144.00</i>
MANIFOLD		@		
TOTAL				<i>959.00</i>

CHARGE TO: *John O. Farmer Inc*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			
TOTAL				

*Thank
You*

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 *Dale Lauder*

PRINTED NAME _____

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 05 2007
CONSERVATION DIVISION
WICHITA, KS

JOB LOG

SWIFT Services, Inc.

COPY

DATE 3-29-07 PAGE NO.

CUSTOMER JOHN O. FARMER WELL NO. #1 LEASE MOLLENKAMP JOB TYPE 5 1/2" LONGSTRENG TICKET NO. 11965

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION
	1430							START 5 1/2" CASING IN WELL
								TD- 4535 SET TP- 4539 5 1/2" / F 15.5 ST- 20' CENTRALISERS- 1, 4, 6, 8, 10, 12, 65 CMT BSPTS- 2, 13, 66 PORT COLLAR c 1865' TOP ST # 66
	1615							DROP BALL - CALCULATE ROTATE
	1648	6	12		✓		500	PUMP 500 GAL MUDFLUSH " KCC
	1650	6	20		✓		500	PUMP 20 BBL KCL - FLUSH JUL 03 2007 " CONFIDENTIAL
	1656		4/2					PLUG RH-MH
	1700	5 1/2	42		✓		350	MIX COMNT - 175 SK SA-2 " K 15 SKS, in rat hole
	1708							WASH OUT PUMP - LEVES 10 SKS. in mouse hole
	1710							RELEASE LATCH DOWN
	1712	7	0		✓			DISPLACE PUG " "
		6 1/2	97				800	SHUT OFF ROTATING
	1728	6 1/2	107.6				1500	PLUG DOWN - PSE UP LATCH IN PUG
	1730						OK	RELEASE PSE - HELD RECEIVED KANSAS CORPORATION COMMISSION
								WASH TRUCK JUL 05 2007 CONSERVATION DIVISION WICHITA, KS
	1900							JOB COMPLETE THANK YOU WAVE, DUSTY, SHAWE

ALLIED CEMENTING CO., INC. 21385

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

SERVICE POINT:

Russell

COPY

DATE <u>5-7-07</u>	SEC <u>3</u>	TWP. <u>15S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00 am</u>	JOB FINISH <u>12:00 pm</u>
LEASE <u>Mollenkamp</u>		WELL # <u>1</u>	LOCATION <u>Arnold 1w 2 1/2 S W into</u>		COUNTY <u>1015</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)							

CONTRACTOR Michael's Well Service

TYPE OF JOB Port collar

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2 1/2 DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Pinhardt's tool ch's DEPTH 1862

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 275 ALHD 9% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Craig

409 HELPER Adrian

BULK TRUCK

362 DRIVER Doug

BULK TRUCK

_____ DRIVER _____

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	<u>10</u>	<u>165</u> <u>165</u>
CHLORIDE	@	_____	_____
ASC	@	_____	_____
ALHD	@	<u>275</u>	<u>1890</u> <u>5197.50</u>
HANDLING	@	<u>285</u>	<u>190</u> <u>541.50</u>
MILEAGE	@	<u>94/SK/mile</u>	<u>641.25</u>
TOTAL			<u>6516.75</u>

REMARKS:

Found tool Pressure up to 1000psi. Held Brake
Circulation mixed 275 sk. Cemented; did not
Circulate. Close tool Pressure up to 1000psi. Held
Ran 5 joints washed clean.

Thanks!

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 955.00

EXTRA FOOTAGE @ _____

MILEAGE 25 @ 6.00 150.00

MANIFOLD @ _____

TOTAL 1105.00

CHARGE TO: J.D. Farwell

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
TOTAL		_____	_____

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SIGNATURE Walt

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME

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JUL 05 2007

CONSERVATION DIVISION
WICHITA, KS

DISCOVERY DRILLING

P. O. BOX 763 HAYS, KANSAS 67601



(785) 623-2920

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JUL 05 2007

Contractor Discovery Drilling Co., Inc. Rig No. 3 CONSERVATION DIVISION
 Company John O. Farmer, Inc. State KANSAS County Ness Field Wildcat Well No. 1
 API # 135-24,625 Elevation 2507 K.B. R.T.D. 4535 Spot SW NE SE Section 3 Township 17S RN 25W
 Tool Joint Conn. XH Drill Pipe Size 4 1/2 Drill Collars No. 15 O.D. 6 1/4" I.D. 2 1/4" Pump No. EMSCO 8375
 Tool Pusher Calen Gaschlar Driller Ross Wilson Driller Jerry Wilson Driller Greg Ernst

Cat	Run No.	Size	Make	Type	Jet Size	Serial	Depth		Hours	Feet Per Hour	Weight 1000 Lbs.	RPM	Vert. Dev.	Pump Press.	Formation Tops
							From	To							
	1	12 1/4	HTC	MKS11	3 1/4	5033159	0	211	2 1/4	93.78	1120	100	1°	600	Dakota Sand
	2	7 1/8	HTC	6200	3 1/4	5109652	211	4535	4324	87 1/2	49.42	7490		900	Cedar Hills Sand
Water-Hauling															Anhydrite (1861-1887)
Testing															Topeka
Cement Surface															Heebner
Loggers															Toronto
Casing Crew															LKC-BKC
Fuel															Marmaton
Mud Company															Arbuckle
Surface Mud Used															
Mud Up @															
1' Drig. Time @															
Mud Cost - \$															
Surface Pipe - Co. Trucks															
No. of Mud -															
Water Well															
Frac Tank															
Motel															
Back Hoe															
Welder															
Reserve Pit Chlorides															
Pit Liner															

(4535 @ 89.75 HPS = 50.53 FPH)

Plugging Report
 Surface Pipe
 Ran 5 jts. used new 23# 8 5/8" casing
 Talley 200 30 set @ 210.30 K.B.
 Cemented w/ 150 sks. Common 2 1/2 Gel & 3 1/2 CC
 Cement 150 Circulate
 Plug Down @ 8:55 A.M. 3,22.07
 Spud @ 3:15 A.M. 3,22.07
 Drilled Plug @ 4:15 A.M. 3,23.07
 Job By: Allied Cementing
 WATER INFORMATION (Provided By JOF)
 Name: Brian Mishler
 Address: _____ Phone #: _____
 City: _____
 Plug Down @ 5:30 A.M. 3,29.07
 Rig Release @ 6:00 A.M. 3,29.07
 Job By: Swift Services, LLC

Geo. Name Randal Kilgus
 Phone (785) 628-6061
 Dst #1 (4355-4400) 45
 Dst #2 (4415-4490) 75
 Dst #3
 Dst #4
 Dst #5
 Dst #6
 Dst #7
 Dst #8
 Dst #9
 Dst #10
 Dst #11
 Dst #12

Mollenkamp # 1

Completion report

4-30-07 Rig up Perf-Tech portable mast, run Dual Receiver, Cement Bond log. Found TD at 4510', top fo cement at 3480'.

5-4-07 Move in and rig up J & M Well Service double drum unit.

5-7-07 Run 2 7/8" tubing with Reinhardts Services port collar tool to 1862', locate port collar. Hook up Allied Cementing pump truck, pressure casing to 1000#, held. Open port collar, pump into collar, good blow. Mix and pump 275 sxs ALHD Cement with 4% gel. had good circulation for the first 250 sxs, lost circulation, stopped pumping for 15 minutes. Finished pumping cement with no circulation. Run 5 jts circulate clean. Pull tubing and tool. Fill casing with fresh water. Shut down.

5-8-07 Rig up Perf-Tech, run temperature log, found top of cement at 320', KCC rep Mike Maier. Will need to pressure annulus to 300# pressure. Swab down to 2900', perforate Mississippi Zone 4477-82' (5') (4 SPF) with 27.5 gram expendable charges. Run 2 7/8" tubing with Reinhardts Services packer to 4456'. Swab water from well, set packer and swab down. Let set 45 minutes, 100' fluid, 50% oil, let set 30 minutes, dry. Hookup Allied Acidizing pump truck to annulus, pump 4.8 bbls water to fill. Pressured annulus to 200# pressure, rubber leaking in braden head. Called Mike Maier with KCC, he said it was fine. Lower packer and spot acid on bottom of well, pull 11jts tubing, fill tubing and annulus with KCL water. Total load pumped 91 bbls. Used 250 gallons 15% NE acid. Shut well in. Shut down.

5-9-07 Fluid 1300' from surface. Lower packer, swab water from well. Set packer and swab down. Steady swabbing, recovered 14 bbls in 1 hour. Swab test:

Time	Fluid	Oil
1st hour	10.73 bbls	100%
2nd hour	9.28 bbls	100%
3rd hour	9.57bbls	100%
4th hour	8.99bbls	100%

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WICHITA, KS

Pull tubing and packer. Shut down.

5-10-07 Sand pump well clean. Run tubing:

**15.00' 2 7/8" Perforated mud anchor
1.10' 2 7/8" Seating nipple
4474.78' 142 jts 2 7/8" 8rd EUE tubing (New LS)
12.00' 2 7/8" x 4, 8' tubing subs**

Tubing is landed 4' off bottom.

Pump and rods:

**2 1/2" x 1 1/2" x 12' RWTC DV Insert pump with 6' gas anchor
7/8" X 2' Pony rod with spiral guide
118 3/4" Sucker rods (New)
60 7/8" Sucker rods (New)
7/8" x 6', 8' Pony rods
1 1/4" x 16' Polished rod with 6' liner**

Longstroke, good blow. Rig down move off.

Val Dreher

Val Dreher Production Foreman

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JUL 05 2007

**CONSERVATION DIVISION
WICHITA, KS**