

ORIGINAL

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

CONFIDENTIAL

API NO. 15- 199-20220-00-00

County Wallace

70 - E E/2 E/2 Sec. 26 Twp. 15S Rge. 41W E

2640 Feet from S (circle one) Line of Section

490 Feet from E (circle one) Line of Section

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

Lease Name Akers Trust Well # 1-26

Field Name Unknown

Producing Formation

Elevation: Ground 3717 KB 3727

Total Depth 5350 PBTB

Amount of Surface Pipe Set and Cemented at 370 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cnt.

Drilling Fluid Management Plan D & A JH 12-14-94
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume 2500 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

County Docket No.

Operator: License # 30606

Name: Murfin Drilling Co., Inc.

Address 250 N. Water, Suite 300

City/State/Zip Wichita, KS 67202

Purchaser:

Operator Contact Person: Larry M. Jack

Phone 267-3241

Contractor Name: Murfin Drilling Co., Inc.

License: 30606

Wellsite Geologist: Scott Banks

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SIOH Temp. Abd.
Gas ENHR SIOH
X Dry Other (Core, 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
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

7/17/94 7/25/94

Spud Date Date Reached TD Completion Date

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 By: Larry M. Jack

Title Larry M. Jack, Prod. Mgr. Date 8/4/94

Subscribed and sworn to before me this 4 day of August 19 94

Notary Public Kerran Redington
Date Commission Expires 2/6/98

KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp.

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Operator Name **Murfin Drilling Co., Inc.**

Lease Name **Akers Trust**

Well # **1-26**

Sec. **26** Twp. **15S** Rge. **41W**

East
 West

County **Wallace**

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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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ANHYDRITE	2751	+ 976
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOPEKA	3864	-137
List All E.Logs Run:		HEEBNER	4116	-389
BOREHOLE COMPENSATED SONIC MORROW SHALE		LANSING	4172	-445
DUAL INDUCTION		MARMATON	4592	-865
See attached.		ATOKA	4846	-1119
COMPENSATED NEUTRON		MORROW SAND	4982	-1255
		MORROW LIME	5096	-1369
		MISSISSIPPI	5106	-1379
			5182	-1455

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	24#	370	Pozmix	250	2%gel, 3%cc

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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 N/A Bbls.	Gas N/A Mcf	Water N/A 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 _____

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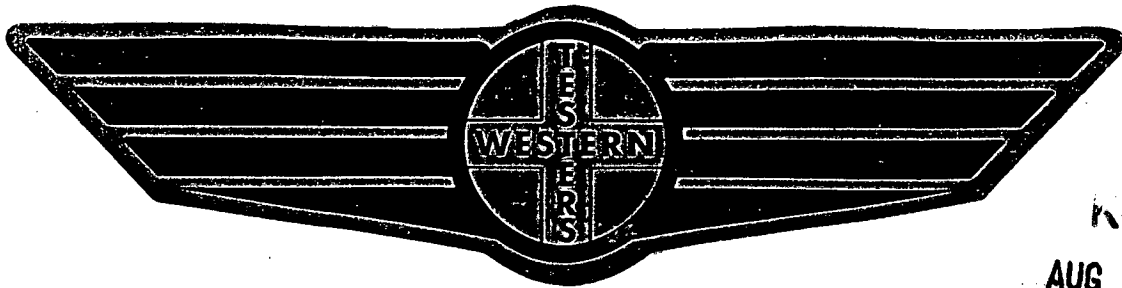
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FORMATION TEST REPORT

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OCT 26 1995

FROM CONFIDENTIAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

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STATE COMMISSION

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CONSERVATION DIVISION
WICHITA, KANSAS

COMPANY MURFIN DRILLING CO., INC. LEASE & WELL NO. #1-26 AKERS TRUST SEC. 26 TWP. 15S RGE. 41W TEST NO. 1 DATE 7/23/94

JAMICIRO

DST REPORT

GENERAL INFORMATION

DATE : 7/23/94
CUSTOMER : MURFIN DRILLING CO., INC
WELL : #1-26 TEST: 1
ELEVATION: 3717 GR EST
SECTION : 26
RANGE : 41W COUNTY: WALLACE
GAUGE SN#: 13760 RANGE : 3950
TICKET : 20068
LEASE : AKERS TRUST
GEOLOGIST: BANKS
FORMATION: MORROW
TOWNSHIP : 15S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4970.00 ft TO: 5110.00 ft TVD: 5110.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4978.0 ft 4981.0 ft
TEMPERATURE: 136.0
DRILL COLLAR LENGTH: 473.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4465.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 32.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 140.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE: 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4965.0 ft SIZE: 6.750 in
PACKER DEPTH: 4970.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN RIG 14
MUD TYPE : CHEMICAL VISCOSITY : 55.00 cp
WEIGHT : 9.300 ppg WATER LOSS: 9.600 cc
CHLORIDES : 4000 ppm
JARS-MAKE : WTC SERIAL NUMBER: 414
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD OPENED TO WEAK BLOW - 1/2 INCH
INCREASED TO 5 INCHES IN WATER. FINAL FLOW PERIOD
OPENED TO WEAK BLOW - INCREASED TO 4 INCHES IN

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DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

WATER.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
240.0	0.0	0.0	0.0	100.0	MUD
266.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	RW .4 @ 80 DEGREES F
0.0	0.0	0.0	0.0	0.0	CHLORIDES 32000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	85.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	1.4361	STB	AVERAGE WATER RATE:	21.1860	STB/D
WATER VOLUME:	1.2506	STB			
TOTAL FLUID :	2.6866	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2404.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	78.00	146.00
INITIAL SHUT-IN	45.00		974.00
FINAL FLOW	60.00	214.00	273.00
FINAL SHUT-IN	60.00		955.00

FINAL HYDROSTATIC PRESSURE: 2354.00

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DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2603.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	88.00	166.00
INITIAL SHUT-IN	45.00		994.00
FINAL FLOW	60.00	220.00	280.00
FINAL SHUT-IN	60.00		988.00

FINAL HYDROSTATIC PRESSURE: 2510.00

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PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/23/94	TICKET : 20068
CUSTOMER : MURFIN DRILLING CO., INC	LEASE : AKERS TRUST
WELL : #1-26 TEST: 1	GEOLOGIST: BANKS
ELEVATION: 3717 GR EST	FORMATION: MORROW
SECTION : 26	TOWNSHIP : 15S
RANGE : 41W COUNTY: WALLACE	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	88.00	88.00
5.00	101.00	13.00
10.00	111.00	10.00
15.00	148.00	37.00
20.00	150.00	2.00
25.00	166.00	16.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	834.00	834.00	0.00
6.00	877.00	43.00	0.00
9.00	910.00	33.00	0.00
12.00	926.00	16.00	0.00
15.00	935.00	9.00	0.00
18.00	941.00	6.00	0.00
21.00	947.00	6.00	0.00
24.00	957.00	10.00	0.00
27.00	964.00	7.00	0.00
30.00	968.00	4.00	0.00
33.00	974.00	6.00	0.00
36.00	978.00	4.00	0.00
39.00	984.00	6.00	0.00
42.00	988.00	4.00	0.00
45.00	994.00	6.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	220.00	220.00
5.00	214.00	-6.00
10.00	218.00	4.00
15.00	234.00	16.00
20.00	244.00	10.00
25.00	253.00	9.00
30.00	263.00	10.00
35.00	263.00	0.00
40.00	269.00	6.00
45.00	275.00	6.00
50.00	280.00	5.00
55.00	280.00	0.00
60.00	280.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	640.00	640.00	0.00
6.00	838.00	198.00	0.00
9.00	861.00	23.00	0.00
12.00	877.00	16.00	0.00
15.00	887.00	10.00	0.00
18.00	898.00	11.00	0.00
21.00	910.00	12.00	0.00
24.00	918.00	8.00	0.00
27.00	926.00	8.00	0.00
30.00	933.00	7.00	0.00
33.00	941.00	8.00	0.00
36.00	945.00	4.00	0.00
39.00	951.00	6.00	0.00
42.00	955.00	4.00	0.00
45.00	959.00	4.00	0.00
48.00	965.00	6.00	0.00
51.00	970.00	5.00	0.00
54.00	976.00	6.00	0.00
57.00	982.00	6.00	0.00
60.00	988.00	6.00	0.00

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15-199-20220-00-00
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FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 7/23/94	TICKET	: 20068
CUSTOMER	: MURFIN DRILLING CO., INC	LEASE	: AKERS TRUST
WELL	: #1-26 TEST: 1	GEOLOGIST	: BANKS
ELEVATION	: 3717 GR EST	FORMATION	: MORROW
SECTION	: 26	TOWNSHIP	: 15S
RANGE	: 41W COUNTY: WALLACE	STATE	: KS
GAUGE SN#	: 13760 RANGE : 3950	CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	200.00 PSIG	BHT:	136.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	2900.00 cc		
OIL:	0.00 cc		
WATER:	2300.00 cc		
MUD:	600.00 cc		
GAS:	0.00 cc		
OTHER:	0.00 cc		

RESISTIVITY

DRILLING MUD:	.4 @ 80 DEGREES F	CHLORIDE CONTENT:	32000.00 ppm
MUD PIT SAMPLE:	1.9 @ 80 DEGREES F	CHLORIDE CONTENT:	4000.00 ppm
GAS/OIL RATIO:		GRAVITY:	
WHERE WAS SAMPLE DRAINED:			
REMARKS:			

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OCT 26 1995
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15-199-20220-00-00

Russell, KS

Phone 913-625-5516, Hays, KS

Phone 316-886-5926, Medicine Lodge, KS

Phone 316-793-5861, Great Bend, KS

Phone 913-672-3471, Oakley, KS

Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31 Russell, Kansas 67665

CONFIDENTIAL

7687
ORIGINAL

NEW

Date	7-17-94	Sec.	26	Wp.	155	Range	41W	Called Out	8:10 PM	On Location	10:45 PM	Job Start	1:50 AM	Finish	2:20 AM
Lease	AKERS TRUST	Well No.	1-26	Location	SHARON SPRINGS	SOUTH TO CO. LINE SW-1/2N		County	WALLACE	State	KS				
Contractor	MURFIN RIG #14														
Type Job	SURFACE														
Hole Size	12 1/4	T.D.	373'												
Csg.	8 5/8	Depth	372'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool	RELEASED														
Cement Left in Csg.	44'	Shoe Joint	44'												
Press Max.	OCT 26 1973														
Meas Line	FROM CONFIDENTIAL 21 DBL														
Perf.															

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 MURFIN DRILLING CO. INC.

Street 250 N Water # 300

City Wichita State Kan 67202

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

Purchase Order No.

X James R. [Signature]

CEMENT

Amount Ordered	225 SKS 60/40 P23%CC 28 GEL				
Consisting of					
Common	135	SKS	2	6.83	924.75
Poz. Mix	90	SKS	2	3.00	270.00
Gel.	4	SKS	2	9.00	36.00
Chloride	7	SKS	2	2.50	175.00
Quickset					

EQUIPMENT

Pumptrk	No.	Cementer	TERRY
	191	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	218	Driver	R.G.
		Driver	

Handling	1.00 per SK	225.00
Mileage	4¢ per SK mile	657.00
	73 mile	
Sub Total		2,287.75
Total		

DEPTH of Job		
Reference:	Pump TRUCK	430.00
	8 5/8 SURFACE P/46	42.00
	2.25 PER MILE	164.25
	39¢ PER FT @ 300'	28.08
	Sub Total	664.33
	Tax	
	Total	664.33

Floating Equipment 8 5/8

1- BAFFLE PLATE - 105.00

1- CENTRALIZER - 63.00

Total = 1168.75

CEMENT IN CELLAR ONLY

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HAWK YOU NATION DIVISION

11 1994

Russell, KS
5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

15-199-20220-00-00
Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC. 7314

Home Office P. O. Box 31 Russell, Kansas 67665

new

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ORIGINAL

Date	7-25-94	Sec.	26	Twp.	15	Range	41	Called Out	AL	On Location	1:30 PM	Job Start	5:00 PM	Finish	5:00 PM
Lease	AKERS-Trust	Well No.	1-26	Location	Sharon Spgs - Sta. 4 1/2 mi			County	Wallace	State	Kans				
Contractor	MurFin Drls Co #14											Owner	Same		
Type Job	P.T.A.											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.			
Hole Size	7 7/8		T.D.	5350'											
Csg.												Charge To	MurFin Drls Co. Inc		
Tbg. Size												Street	250 N Water #300		
Drill Pipe												City	Wichita	State	Kan 67202
Tool												The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.												Purchase Order No.			
Press Max.												X	James R. ...		
Meas Line												CEMENT			
Perf.												Amount Ordered	200 SKS 60/40 P02, 6% Gel		

RELEASED
OCT 26 1995

FROM CONFIDENTIAL

EQUIPMENT

Pumptrk	No.	Cementer	Ualt
	191	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	218	Driver	Dean
		Driver	

DEPTH of Job

Reference:	Pump truck	525 ⁰⁰
	225 per mile	164 ²⁵
	8 5/8 D.H. Plug	21 ⁰⁰
	Sub Total	
	Tax	
	Total	710 ²⁵

Remarks:

25	SKS @ 2740'	
100	SKS @ 1670'	
40	SKS @ 420'	
10	SKS @ 40'	
15	SKS in R.H.	
10	SKS in W.H.	

Consisting of	200 SKS 60/40 P02, 6% Gel		
Common	120	SKS @ 6 ⁹⁵	822 ⁰⁰
Poz. Mix	80	SKS @ 3 ⁰⁰	240 ⁰⁰
Gel.	10	SKS @ 9 ⁰⁰	90 ⁰⁰
Chloride			
Fluoride	Flu-Seal	50 # @ 1 ¹⁰	55 ⁰⁰
Sales Tax			
Handling	1 ⁰⁰	per SK	200 ⁰⁰
Mileage	4¢	per SK 1 mile	584 ⁰⁰
	73 mile		
Sub Total			1991 ⁰⁰
Total			

Floating Equipment: *none*

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STATE COMMISSION
CONSERVATION DIVISION
WICHITA, KANSAS

Thal Car