

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

KCC

OCT 22

CONFIDENTIAL

API NO. 15- 175-21343-0000 **CONFIDENTIAL**
County Seward
NE - SE - SE Sec. 3 Twp. 32S Rge. 31W E
W

Operator: License # 30606
Name: Murfin Drilling Co., Inc.
Address 250 N. Water, Suite 300
ORIGINAL
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: Paul Godowic

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIGW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, 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 PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
9/26/93 10/11/93
Spud Date Date Reached TD Completion Date

990 Feet from S/W (circle one) Line of Section
330 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Collingwood Well # 1-3
Field Name Unknown
Producing Formation _____
Elevation: Ground 2784 KB 2793
Total Depth 6050 PBD _____
Amount of Surface Pipe Set and Cemented at 1668 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D & A 97 12-13-93
(Data must be collected from the Reserve Pit)
Chloride content 8000 ppm Fluid volume 2500 bbls
Dewatering method used evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name **RELEASED**
Lease Name _____ License No. _____
NOV 21 1994
Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County **FROM CONFIDENTIAL**

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 Larry M. Jack
Title Larry M. Jack, Prod. Mgr. Date 10/20/93
Subscribed and sworn to before me this 20 day of October
19 93
Notary Public Kerran Redington
Date Commission Expires 2/6/94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Received
C Wireline Log Received
C Geologist Report Received
Distribution KCC SWD/Rep NGRA
 KGS Plug CONSERVATION DIVISION
Wichita, Kansas
(Specify)
RECEIVED
OCT 25 1993
10-25-93
P1

KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 2/6/94

Operator Name Murfin Drilling Co., Inc. Lease Name Collingwood Well # 1-3
 Sec. 3 Twp. 32S Rge. 31W County Greeley
 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
 See attached.,

Drill stem test data attached.

CASING RECORD <input type="checkbox"/> Now <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	1668	Lite Class A	550 200	3% GaCl, 1/2% # 1, 3% CaCl

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	Top Bottom			
<input type="checkbox"/> Protect Casing	15' 0" 100'			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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 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 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 _____

Murfin Drilling Company, Inc.
Suite 300
250 North Water Street
Wichita, Kansas 67202

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Gentlemen:

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I have examined samples on the Collingwood No. 1-3 from 1790' to a total depth of 6050' in Spergen (Mississippian) rocks.

A sample log with lithological descriptions, two foot drilling time, gas detector readings, and other pertinent data was plotted on a 5"=100' scale from 2090' to TD.

Samples on this test are being sent to the Kansas Geological Society Sample Cut, 4150 Monroe Street, Wichita, Kansas 67209.

Geological tops corrected to the electrical survey and correlated with the Mustang Oil & Gas Corporation - Saunders No. 1-1 (2970' FSL & 800' FEL of Section 1-T32S-R31W, Seward County, Kansas) a 6055' Spergen test about two miles east, are as follows:

<u>Formation</u> (Elevation Datum)	<u>Murfin</u> <u>Collingwood No. 1-3</u> 2793' KB	<u>Mustang</u> <u>Saunders No. 1-1</u> 2791' KB
Base of Stone Corral	1722 +1071	1732 +1059
Wellington	2196 +597	2194 +597
Wolfcamp	2657 +136	2653 +138
Krider	2721 +72	2717 +74
Winfield	2768 +25	2764 +27
Base of Winfield	2796 -3	2792 -1
Council Grove	3012 -219	3008 -217
Wabaunsee	3547 -754	3534 -743
Base of Heebner	4296 -1505	4299 -1508
Toronto	4310 -1517	4311 -1521
Lansing	4401 -1608	4404 -1613
Swope Limestone	4876 -2083	4866 -2075
Marmaton	4990 -2197	4974 -2183
Cherokee	5208 -2415	5200 -2409
Atoka	5360 -2567	5347 -2556
Morrow	5500 -2707	5496 -2705
Morrow Limestone	5500 -2707	5497 -2707
Morrow Sand	5508 -2715	5501 -2710
Morrow Sand	5534 -2741	
Chester	5564 -2771	5569 -2778
Ste. Genevieve	5747 -2954	5746 -2954
St. Louis	5832 -3039	5834 -3043
Spergen	5982 -3189	?6014 -3223
TD - ES	6054 -3261	6060 -3269
TD - Driller	6050 -3257	6055 -3264

RELEASED

Zones of interest are discussed below:

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FORMATION

TEST

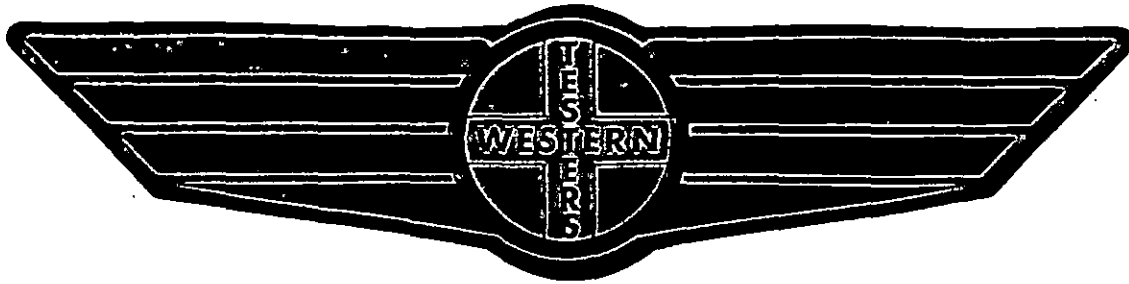
REPORT

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NOV 2 1 1994

FROM CONFIDENTIAL

COMPANY MURFIN DRILLING/MUSTANG OIL/LEASE & WELL NO. #1-3 COLLINGWOOD SEC. 3 TWP. 32S RGE. 31W TEST NO. 1 DATE 9/30/93
CANYON ENERGY
API# 15-175-21343



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 9-30-93	TICKET : 19907
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3 TEST: 1	GEOLOGIST: PAUL GORDEN
ELEVATION: 2793 K.B.	FORMATION: KRIDER
SECTION : 3	TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2708.00 ft	TO: 2758.00 ft	TVD: 2758.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 2715.0 ft	2718.0 ft	
TEMPERATURE: 90.0		

DRILL COLLAR LENGTH: 519.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 2157.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 50.0 ft	ANCHOR SIZE:	4.500 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: 2703.0 ft	SIZE:	6.630 in
PACKER DEPTH: 2708.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN #21	VISCOSITY : 34.00 cp
MUD TYPE : NATIVE	WATER LOSS: 0.000 cc
WEIGHT : 9.200 ppg	
CHLORIDES : 65000 ppm	SERIAL NUMBER: 402
JARS-MAKE : WTC	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

VERY WEAK 1/4" BLOW SLOWLY BUILDING TO 3" IN 30 MINUTES INITIAL FLOW PERIOD. VERY WEAK 1/4" BLOW SLOWLY BUILDING TO 7" IN 60 MINUTES ON FINAL FLOW

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DST REPORT (CONTINUED)

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COMMENTS (CONTINUED)

Comment

PERIOD.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
80.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.3934	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.3934	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1274.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	36.00	46.00
INITIAL SHUT-IN	45.00		480.00
FINAL FLOW	60.00	57.00	72.00
FINAL SHUT-IN	60.00		427.00

FINAL HYDROSTATIC PRESSURE: 1265.00

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DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1287.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	43.00	56.00
INITIAL SHUT-IN	42.00		485.00
FINAL FLOW	60.00	70.00	85.00
FINAL SHUT-IN	57.00		430.00

FINAL HYDROSTATIC PRESSURE: 1287.00

13004-194
A.C. 8.1.1
117 42.1 430.00

OCT 22

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PRESSURE TRANSIENT REPORT

ORIGINAL

GENERAL INFORMATION

DATE : 9-30-93	TICKET : 19907
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3 TEST: 1	GEOLOGIST: PAUL GORDEN
ELEVATION: 2793 K.B.	FORMATION: KRIDER
SECTION : 3	TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	43.00	43.00
5.00	43.00	0.00
10.00	45.00	2.00
15.00	48.00	3.00
20.00	51.00	3.00
25.00	54.00	3.00
30.00	56.00	2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	64.00	64.00	0.00
6.00	78.00	14.00	0.00
9.00	110.00	32.00	0.00
12.00	140.00	30.00	0.00
15.00	199.00	59.00	0.00
18.00	256.00	57.00	0.00
21.00	308.00	52.00	0.00
24.00	353.00	45.00	0.00
27.00	386.00	33.00	0.00
30.00	414.00	28.00	0.00
33.00	438.00	24.00	0.00
36.00	457.00	19.00	0.00
39.00	470.00	13.00	0.00
42.00	485.00	15.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	70.00	70.00
5.00	70.00	0.00
10.00	70.00	0.00
15.00	72.00	2.00
20.00	74.00	2.00
25.00	76.00	2.00
30.00	78.00	2.00
35.00	80.00	2.00
40.00	81.00	1.00
45.00	82.00	1.00
50.00	83.00	1.00
55.00	84.00	1.00
60.00	85.00	1.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	88.00	88.00	0.00
6.00	104.00	16.00	0.00
9.00	127.00	23.00	0.00
12.00	144.00	17.00	0.00
15.00	176.00	32.00	0.00
18.00	203.00	27.00	0.00
21.00	238.00	35.00	0.00
24.00	263.00	25.00	0.00
27.00	288.00	25.00	0.00
30.00	314.00	26.00	0.00
33.00	333.00	19.00	0.00
36.00	350.00	17.00	0.00
39.00	363.00	13.00	0.00
42.00	378.00	15.00	0.00
45.00	391.00	13.00	0.00
48.00	401.00	10.00	0.00
51.00	414.00	13.00	0.00
54.00	425.00	11.00	0.00
57.00	430.00	5.00	0.00

3-14-57

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OCT 22

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FLUID SAMPLE REPORT

ORIGINAL

GENERAL INFORMATION

DATE	: 9-30-93	TICKET	: 19907
CUSTOMER	: MURFIN/ MUSTANG/ CANYON	LEASE	: COLLINGWOOD
WELL	: #1-3	GEOLOGIST	: PAUL GORDEN
ELEVATION	: 2793 K.B.	FORMATION	: KRIDER
SECTION	: 3	TOWNSHIP	: 32S
RANGE	: 31W	STATE	: KS
GAUGE SN#	: 3849	CLOCK	: 12
	COUNTY: SEWARD		
	RANGE : 4200		

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	38.00 PSIG	BHT:	90.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	2950.00 cc		
	OIL: 0.00 cc		
	WATER: 0.00 cc		
	MUD: 2950.00 cc		
	GAS: 0.00 cc		
	OTHER: 0.00 cc		

RESISTIVITY

DRILLING MUD:	.018 AT 60 DEG. F.	CHLORIDE CONTENT:	44000.00 ppm
MUD PIT SAMPLE:	.014 AT 60 DEG. F.	CHLORIDE CONTENT:	58000.00 ppm
GAS/OIL RATIO:		GRAVITY:	
WHERE WAS SAMPLE DRAINED:	ON LOCATION		
REMARKS:			

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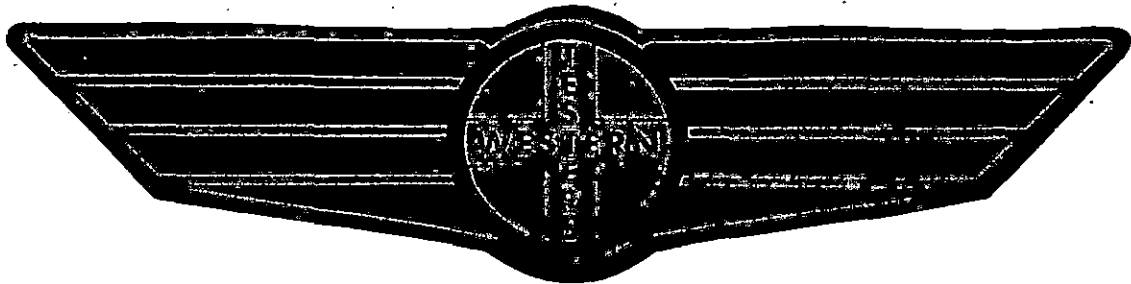
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FORMATION

TEST

REPORT

COMPANY MURFIN DRILLING/MUSTANG OIL/LEASE & WELL NO. #1-3 COLLINGWOOD SEC. 3 TWP. 32S RGE. 31W TEST NO. 2 DATE 10/1/94
CANYON ENERGY AP# 15-175-21343



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

RELEASED

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FROM CONFIDENTIAL

DST REPORT

GENERAL INFORMATION

DATE : 10/4/93	TICKET : 19908
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3 TEST: 2	GEOLOGIST: GODOWIN
ELEVATION: 2793 K.B.	FORMATION: SWOPE L S
SECTION : 3	TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4857.00 ft	TO: 4898.00 ft	TVD: 4898.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4879.0 ft	4882.0 ft	
TEMPERATURE: 118.0		

DRILL COLLAR LENGTH: 519.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4306.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 41.0 ft	ANCHOR SIZE:	4.500 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: 4852.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4857.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN #21	VISCOSITY : 42.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 8.800 cc
WEIGHT : 8.900 ppg	
CHLORIDES : 5000 ppm	SERIAL NUMBER: 402
JARS-MAKE : WTC	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - BUILT TO STRONG BLOW - BOTTOM OF BUCKET IN 5 MINUTES. FINAL FLOW PERIOD WEAK TO STRONG BLOW IN 8 MINUTES.

3849

10/4/93

10/4/93

DST REPORT (CONTINUED)

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COMMENTS (CONTINUED)

Comment

OIL RECOVERED ON DST COULD HAVE COME FROM MUD SYSTEM.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	90 FT GAS ABOVE FLUID
100.0	3.0	0.0	52.0	45.0	SL OIL, HVY MUD CUT WATER
1270.0	0.0	0.0	100.0	0.0	GASSY SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 195000 PPM

RATE INFORMATION

OIL VOLUME:	0.0421 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	1.2241 STB/D
MUD VOLUME:	0.6312 STB	AVERAGE WATER RATE:	230.5935 STB/D
WATER VOLUME:	13.8153 STB		
TOTAL FLUID :	14.4886 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2317.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	91.00	365.00
INITIAL SHUT-IN	45.00		1447.00
FINAL FLOW	60.00	412.00	667.00
FINAL SHUT-IN	60.00		1433.00

FINAL HYDROSTATIC PRESSURE: 2279.00

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FROM CONFIDENTIAL

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2338.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	102.00	383.00
INITIAL SHUT-IN	45.00		1464.00
FINAL FLOW	60.00	436.00	686.00
FINAL SHUT-IN	66.00		1449.00

FINAL HYDROSTATIC PRESSURE: 2282.00

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PRESSURE TRANSIENT REPORT

007 2 2

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GENERAL INFORMATION

DATE : 10/4/93	TICKET : 19908
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3	TEST: 2
ELEVATION: 2793 K.B.	GEOLOGIST: GODOWIN
SECTION : 3	FORMATION: SWOPE L S
RANGE : 31W	TOWNSHIP : 32S
COUNTY: SEWARD	STATE : KS
RANGE : 4200	CLOCK : 12
GAUGE SN#: 3849	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	102.00	102.00
5.00	128.00	26.00
10.00	221.00	93.00
15.00	284.00	63.00
20.00	319.00	35.00
25.00	355.00	36.00
30.00	383.00	28.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1136.00	1136.00	0.00
6.00	1274.00	138.00	0.00
9.00	1330.00	56.00	0.00
12.00	1361.00	31.00	0.00
15.00	1384.00	23.00	0.00
18.00	1402.00	18.00	0.00
21.00	1415.00	13.00	0.00
24.00	1425.00	10.00	0.00
27.00	1434.00	9.00	0.00
30.00	1441.00	7.00	0.00
33.00	1448.00	7.00	0.00
36.00	1453.00	5.00	0.00
39.00	1457.00	4.00	0.00
42.00	1461.00	4.00	0.00
45.00	1464.00	3.00	0.00

RELEASED

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FROM CONFIDENTIAL

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	436.00	436.00
5.00	440.00	4.00
10.00	462.00	22.00
15.00	489.00	27.00
20.00	516.00	27.00
25.00	541.00	25.00
30.00	565.00	24.00
35.00	589.00	24.00
40.00	614.00	25.00
45.00	636.00	22.00
50.00	659.00	23.00
55.00	676.00	17.00
60.00	686.00	10.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1153.00	1153.00	0.00
6.00	1274.00	121.00	0.00
9.00	1313.00	39.00	0.00
12.00	1336.00	23.00	0.00
15.00	1356.00	20.00	0.00
18.00	1370.00	14.00	0.00
21.00	1382.00	12.00	0.00
24.00	1386.00	4.00	0.00
27.00	1395.00	9.00	0.00
30.00	1402.00	7.00	0.00
33.00	1407.00	5.00	0.00
36.00	1413.00	6.00	0.00
39.00	1416.00	3.00	0.00
42.00	1420.00	4.00	0.00
45.00	1424.00	4.00	0.00
48.00	1427.00	3.00	0.00
51.00	1430.00	3.00	0.00
54.00	1433.00	3.00	0.00
57.00	1436.00	3.00	0.00
60.00	1439.00	3.00	0.00
63.00	1444.00	5.00	0.00
66.00	1449.00	5.00	0.00

Final Flow

Final Shut In

Pressure Transient Report

FLUID SAMPLE REPORT

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CONFIDENTIAL

GENERAL INFORMATION

DATE	: 10/4/93	TICKET	: 19908
CUSTOMER	: MURFIN/ MUSTANG/ CANYON	LEASE	: COLLINGWOOD
WELL	: #1-3	TEST:	2
ELEVATION	: 2793 K.B.	GEOLOGIST	: GODOWIN
SECTION	: 3	FORMATION	: SWOPE L S
RANGE	: 31W	TOWNSHIP	: 32S
GAUGE SN#	: 3849	STATE	: KS
	COUNTY: SEWARD	CLOCK	: 12
	RANGE : 4200		

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	245.00 PSIG	BHT:	118.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	2900.00 cc		
OIL:	0.00 cc		
WATER:	2900.00 cc		
MUD:	0.00 cc		
GAS:	2.29 cc		
OTHER:	0.00 cc		

RESISTIVITY

DRILLING MUD:	.054 @ 65 DEGREES F	CHLORIDE CONTENT:	195000.00 ppm
MUD PIT SAMPLE:	.80 @ 65 DEGREES F	CHLORIDE CONTENT:	8000.00 ppm
GAS/OIL RATIO:		GRAVITY:	
WHERE WAS SAMPLE DRAINED:	ON LOCATION		
REMARKS:	CHECKED WATER W/CHEMICAL 118000 NITRATED CHLORIDES		

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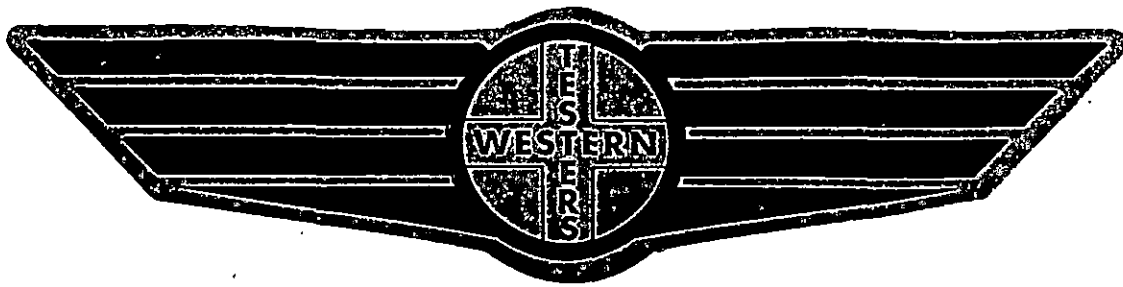
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FORMATION

TEST

REPORT

COMPANY MURFIN DRILLING/MUSTANG OIL/ LEASE & WELL NO. #1-3 COLLINGWOOD SEC. 3 TWP. 22S RGE. 24E TEST NO. DATE
CANYON ENERGY API#15-175-21343



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

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DST REPORT

GENERAL INFORMATION

DATE : 10/7/93	TICKET : 19909
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3 TEST: 3	GEOLOGIST: GODOWIN
ELEVATION: 2793 K.B.	FORMATION: MORROW
SECTION : 3	TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD	STATE : KS
GAUGE SN#: 2604 RANGE : 4150	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5492.00 ft	TO: 5522.00 ft	TVD: 5522.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 5509.0 ft	5512.0 ft	
TEMPERATURE: 128.0		

DRILL COLLAR LENGTH: 519.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4941.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 30.0 ft	ANCHOR SIZE:	4.500 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: 5487.0 ft	SIZE:	6.630 in
PACKER DEPTH: 5492.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN #21	
MUD TYPE : CHEMICAL	VISCOSITY : 54.00 cp
WEIGHT : 8.900 ppg	WATER LOSS: 9.600 cc
CHLORIDES : 3500 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 402
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK 1/4 INCH BLOW -
 SLOWLY BUILT TO 2 INCHES IN BUCKET IN 30 MINUTES.
 FINAL FLOW PERIOD WEAK 1 1/2 INCH BLOW - DECREASED

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10/10/93

10/10/93 5:00 PM

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DST REPORT (CONTINUED)

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COMMENTS (CONTINUED)

Comment

TO 1 INCH IN BUCKET IN 45 MINUTES.
OIL IN MUD COULD HAVE COME FROM MUD SYSTEM.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	100 FT GAS ABOVE FLUID
20.0	0.0	0.0	0.0	100.0	MUD W/FEW SPECKS OF OIL

RATE INFORMATION

OIL VOLUME: 0.0000 STB	TOTAL FLOW TIME: 75.0000 min.
GAS VOLUME: 0.0000 SCF	AVERAGE OIL RATE: 0.0000 STB/D
MUD VOLUME: 0.0983 STB	AVERAGE WATER RATE: 0.0000 STB/D
WATER VOLUME: 0.0000 STB	
TOTAL FLUID : 0.0983 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2773.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	29.00	29.00
INITIAL SHUT-IN	45.00		80.00
FINAL FLOW	45.00	34.00	34.00
FINAL SHUT-IN	60.00		80.00

FINAL HYDROSTATIC PRESSURE: 2699.00

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DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2782.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	64.00	64.00
INITIAL SHUT-IN	45.00		75.00
FINAL FLOW	45.00	64.00	64.00
FINAL SHUT-IN	60.00		78.00

FINAL HYDROSTATIC PRESSURE: 2679.00

CREATED

DATE

BY

ORIGINAL CONFIDENTIAL

KPC

PRESSURE TRANSIENT REPORT

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CONFIDENTIAL

GENERAL INFORMATION

DATE : 10/7/93	TICKET : 19909
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3 TEST: 3	GEOLOGIST: GODOWIN
ELEVATION: 2793 K.B.	FORMATION: MORROW
SECTION : 3	TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD	STATE : KS
GAUGE SN#: 2604 RANGE : 4150	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	64.00	64.00
5.00	64.00	0.00
10.00	64.00	0.00
15.00	64.00	0.00
20.00	64.00	0.00
25.00	64.00	0.00
30.00	64.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	64.00	64.00	0.00
6.00	64.00	0.00	0.00
9.00	64.00	0.00	0.00
12.00	64.00	0.00	0.00
15.00	64.00	0.00	0.00
18.00	64.00	0.00	0.00
21.00	64.00	0.00	0.00
24.00	64.00	0.00	0.00
27.00	65.00	1.00	0.00
30.00	66.00	1.00	0.00
33.00	67.00	1.00	0.00
36.00	69.00	2.00	0.00
39.00	71.00	2.00	0.00
42.00	73.00	2.00	0.00
45.00	75.00	2.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	64.00	64.00
5.00	64.00	0.00
10.00	64.00	0.00
15.00	64.00	0.00
20.00	64.00	0.00
25.00	64.00	0.00
30.00	64.00	0.00
35.00	64.00	0.00
40.00	64.00	0.00
45.00	64.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	64.00	64.00	0.00
6.00	64.00	0.00	0.00
9.00	64.00	0.00	0.00
12.00	64.00	0.00	0.00
15.00	64.00	0.00	0.00
18.00	64.00	0.00	0.00
21.00	64.00	0.00	0.00
24.00	64.00	0.00	0.00
27.00	64.00	0.00	0.00
30.00	64.00	0.00	0.00
33.00	64.00	0.00	0.00
36.00	65.00	1.00	0.00
39.00	66.00	1.00	0.00
42.00	67.00	1.00	0.00
45.00	68.00	1.00	0.00
48.00	70.00	2.00	0.00
51.00	72.00	2.00	0.00
54.00	74.00	2.00	0.00
57.00	76.00	2.00	0.00
60.00	78.00	2.00	0.00

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FLUID SAMPLE REPORT

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GENERAL INFORMATION

DATE	: 10/7/93	TICKET	: 19909
CUSTOMER	: MURFIN/ MUSTANG/ CANYON	LEASE	: COLLINGWOOD
WELL	: #1-3	TEST:	3
ELEVATION	: 2793 K.B.	GEOLOGIST	: GODWIN
SECTION	: 3	FORMATION	: MORROW
RANGE	: 31W	TOWNSHIP	: 32S
COUNTY	: SEWARD	STATE	: KS
GAUGE SN#	: 2604	RANGE	: 4150
		CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	15.00 PSIG	BHT:	128.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	2550.00 cc		
OIL:	0.00 cc		
WATER:	0.00 cc		
MUD:	2550.00 cc		
GAS:	0.18 cc		
OTHER:	0.00 cc		

RESISTIVITY

DRILLING MUD:	1.1 @ 65 DEGREES F	CHLORIDE CONTENT:	5900.00 ppm
MUD PIT SAMPLE:	1.2 @ 60 DEGREES F	CHLORIDE CONTENT:	5800.00 ppm
GAS/OIL RATIO:		GRAVITY:	
WHERE WAS SAMPLE DRAINED:	ON LOCATION		
REMARKS:			

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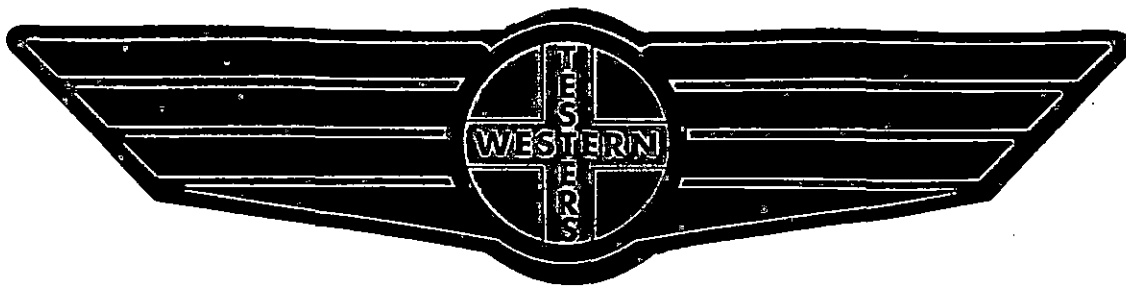
FORMATION

TEST

REPORT

COMPANY MURFIN DRILLING/MUSTANG OIL LEASE & METL. NO. #1-3 CULLINGWOOD SFC. TWP. RGE. TEST NO. DATE
CANYON ENERGY

API #15-175-21343



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

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FROM CONFIDENTIAL

DST REPORT

GENERAL INFORMATION

DATE : 10/8/93 TICKET : 19910
CUSTOMER : MURFIN/ MUSTANG/ CANYON LEASE : COLLINGWOOD
WELL : #1-3 TEST: 4 GEOLOGIST: GODOWIN
ELEVATION: 2793 K.B. FORMATION: MORROW & UP. CHESTER
SECTION : 3 TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD STATE : KS
GAUGE SN#: 2604 RANGE : 4150 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5494.00 ft TO: 5585.00 ft TVD: 5585.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 5511.0 ft 5514.0 ft
TEMPERATURE: 129.0

DRILL COLLAR LENGTH: 519.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4943.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 32.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 91.0 ft ANCHOR SIZE: 4.500 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: 5489.0 ft SIZE: 6.630 in
PACKER DEPTH: 5494.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : MURFIN #21
MUD TYPE : CHEMICAL VISCOSITY : 45.00 cp
WEIGHT : 8.900 ppg WATER LOSS: 8.000 cc
CHLORIDES : 3500 ppm
JARS-MAKE : WTC SERIAL NUMBER: 402
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 1 INCH BLOW TO STRONG -
BOTTOM OF BUCKET IN 10 MINUTES. FINAL FLOW PERIOD
FAIR 5 INCH BLOW TO STRONG IN 26 MINUTES.

DST REPORT (CONTINUED)

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FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	585 FT GAS ABOVE FLUID
60.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	120.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.2950 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.2950 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2677.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	51.00	51.00
INITIAL SHUT-IN	45.00		161.00
FINAL FLOW	90.00	55.00	55.00
FINAL SHUT-IN	120.00		541.00

FINAL HYDROSTATIC PRESSURE: 2637.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2718.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	84.00	84.00
INITIAL SHUT-IN	51.00		180.00
FINAL FLOW	90.00	88.00	88.00
FINAL SHUT-IN	123.00		544.00

FINAL HYDROSTATIC PRESSURE: 2667.00

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PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/8/93	TICKET : 19910
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3 TEST: 4	GEOLOGIST: GODOWIN
ELEVATION: 2793 K.B.	FORMATION: MORROW & UP. CHESTER
SECTION : 3	TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD	STATE : KS
GAUGE SN#: 2604 RANGE : 4150	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	84.00	84.00
5.00	84.00	0.00
10.00	84.00	0.00
15.00	84.00	0.00
20.00	84.00	0.00
25.00	84.00	0.00
30.00	84.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	85.00	85.00	0.00
6.00	86.00	1.00	0.00
9.00	87.00	1.00	0.00
12.00	89.00	2.00	0.00
15.00	91.00	2.00	0.00
18.00	97.00	6.00	0.00
21.00	101.00	4.00	0.00
24.00	108.00	7.00	0.00
27.00	115.00	7.00	0.00
30.00	117.00	2.00	0.00
33.00	132.00	15.00	0.00
36.00	138.00	6.00	0.00
39.00	145.00	7.00	0.00
42.00	155.00	10.00	0.00
45.00	163.00	8.00	0.00
48.00	170.00	7.00	0.00
51.00	180.00	10.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

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<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	88.00	88.00
5.00	88.00	0.00
10.00	88.00	0.00
15.00	88.00	0.00
20.00	88.00	0.00
25.00	88.00	0.00
30.00	88.00	0.00
35.00	88.00	0.00
40.00	88.00	0.00
45.00	88.00	0.00
50.00	88.00	0.00
55.00	88.00	0.00
60.00	88.00	0.00
65.00	88.00	0.00
70.00	88.00	0.00
75.00	88.00	0.00
80.00	88.00	0.00
85.00	88.00	0.00
90.00	88.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	88.00	88.00	0.00
6.00	88.00	0.00	0.00
9.00	91.00	3.00	0.00
12.00	95.00	4.00	0.00
15.00	101.00	6.00	0.00
18.00	109.00	8.00	0.00
21.00	118.00	9.00	0.00
24.00	128.00	10.00	0.00
27.00	137.00	9.00	0.00
30.00	149.00	12.00	0.00
33.00	160.00	11.00	0.00
36.00	170.00	10.00	0.00
39.00	183.00	13.00	0.00
42.00	196.00	13.00	0.00
45.00	207.00	11.00	0.00
48.00	219.00	12.00	0.00
51.00	230.00	11.00	0.00
54.00	240.00	10.00	0.00
57.00	251.00	11.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	264.00	13.00	0.00
63.00	275.00	11.00	0.00
66.00	291.00	16.00	0.00
69.00	304.00	13.00	0.00
72.00	318.00	14.00	0.00
75.00	331.00	13.00	0.00
78.00	345.00	14.00	0.00
81.00	356.00	11.00	0.00
84.00	369.00	13.00	0.00
87.00	386.00	17.00	0.00
90.00	395.00	9.00	0.00
93.00	409.00	14.00	0.00
96.00	424.00	15.00	0.00
99.00	436.00	12.00	0.00
102.00	450.00	14.00	0.00
105.00	463.00	13.00	0.00
108.00	475.00	12.00	0.00
111.00	490.00	15.00	0.00
114.00	505.00	15.00	0.00
117.00	523.00	18.00	0.00
120.00	533.00	10.00	0.00
123.00	544.00	11.00	0.00

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FLUID SAMPLE REPORT

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GENERAL INFORMATION

DATE : 10/8/93	TICKET : 19910
CUSTOMER : MURFIN/ MUSTANG/ CANYON	LEASE : COLLINGWOOD
WELL : #1-3 TEST: 4	GEOLOGIST: GODOWIN
ELEVATION: 2793 K.B.	FORMATION: MORROW & UP. CHESTER
SECTION : 3	TOWNSHIP : 32S
RANGE : 31W COUNTY: SEWARD	STATE : KS
GAUGE SN#: 2604 RANGE : 4150	CLOCK : 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER: 28.00 PSIG BHT: 129.0 DEG F

TOTAL VOLUME OF SAMPLER: 3150.00 cc

TOTAL VOLUME OF SAMPLE: 2850.00 cc

OIL: 0.00 cc

WATER: 0.00 cc

MUD: 2850.00 cc

GAS: 0.29 cc

OTHER: 0.00 cc

RESISTIVITY

DRILLING MUD: .42 @ 65 DEGREES F CHLORIDE CONTENT: 16000.00 ppm

MUD PIT SAMPLE: .52 @ 60 DEGREES F CHLORIDE CONTENT: 14000.00 ppm

GAS/OIL RATIO: GRAVITY:

WHERE WAS SAMPLE DRAINED: ON LOCATION

REMARKS:

RELEASED

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FROM CONFIDENTIAL

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

KCC
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ORIGINAL
 CONFIDENTIAL

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

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

4829

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date 10/11/93	Sec. 3	Twp. 32S	Range 31W	10/10 Called Out 10 PM	10/11 On Location 02:30	Job Start 04:30	Finish 08:15
Lease Callingwood	Well No. 1-3	Location Plains 6W on 160 NW 1/4 N14		County Seward	State Ks.		
Contractor Co Tools #21				Owner Same			
Type Job Rotary Plug				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. 6050			Charge To			
Csg. 8 5/8	Depth 1667'			Murtin Drilling Co Inc.			
Tbg. Size	Depth			Street 250 N. Water Suite 300			
Drill Pipe 4 1/2	Depth 3015			City Wichita State Ks. 67202			
Tool	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.	Shoe Joint			Purchase Order No.			
Press Max.	Minimum			X <i>[Signature]</i>			
Meas Line	Displace			CEMENT			
Perf.				Amount Ordered 235 60/40 6% Gel			

EQUIPMENT

Pumptrk 158	No.	Cementor	Gary
		Helper	
Pumptrk	No.	Cementor	
		Helper	
		Driver	Bill
Bulktrk 116		Driver	
Bulktrk		Driver	

DEPTH of Job

Reference:	Pump Truck	525.00
21	Mileage	47.25
Liberal	8 5/8" OHP	21.00
	Sub-Feed	
	Total	593.25

Remarks:

100 sx @ 3015
 50 sx @ 1700'
 50 sx @ 650' Thank you!
 10 sx @ 40'
 15 sx @ RH *[Signature]*
 10 sx @ MH

Consisting of			
Common	141	5.85	965.85
Poz. Mix	94	3.00	282.00
Gel.	14	2.00	98.00
Chloride			
Quickset			
Handling	235	1.00	235.00
Mileage	45		423.00
Angoton	RELEASED		
	NOV 21 1994		
Floating Equipment			
	FROM CONFIDENTIAL		
	Total \$ 2597.10		
	Disc - 519		
	RECEIVED		
	STATE CORPORATION COMMISSION		
	\$ 20 OCT 25 1993		
	CONSERVATION DIVISION		
	Wichita, Kansas		

Total 2003.8

627, Russell, Kansas
 793-5861, Great Bend, Kansas OCT 22

KCC

ORIGINAL
 CONFIDENTIAL

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

ALLIED CEMENTING CO., INC. 3569
 Home Office P. O. Box 31 Russell, Kansas 67665

New

Date	9/27/93	Sec.	3	Twp.	32S	Range	31W	Called Out	3:00 PM	On Location	7:00 PM	Job Start	9:51 PM	Finish	11:00 P
Lease	Collingwood	Well No.	1-3	Location	Plains	4W on 160 NW 1/4 S			County	Seward	State	KS			

Contractor	MURFIN Drilling Rig #21		
Type Job	CMT 8 3/4 Surface Csg		
Hole Size	12 1/4	T.D.	1670
Csg.	8 3/4 24#	Depth	1667
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	45	Shoe Joint	45
Press Max.	850	Minimum	125
Meas Line		Displace	103.3
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 Company
 Street 250 N. Water Suite 301
 City Wichita State Ks 67202
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Bill Wynn
CEMENT
 Amount 550 SKS Allied Lite + 370 ccd 1/4 Flo Seal
 Ordered 200 SKS Class A + 170 ccd 1/2

EQUIPMENT

No.	Cementor	<u>Max Ball</u>
Pumptrk	266	Helper <u>Justin Hart</u>
No.	Cementor	
Pumptrk		Helper
Bulktrk	257	Driver <u>John Kelley</u>
Bulktrk	259	Driver <u>Mark Brummitt</u>

Consisting of	
Common	200 6.85 1370.0
Poz. Mix	550 Lite 5.85 3217.5
Gel.	
Chloride	23 25.00 575.0
Quickset	
Flo Seal	130 RELEASED 1.10 151.8
Handling	750 NOV 21 1994 1.00 750.0
Mileage	45 FROM CONFIDENTIAL 1350.0
Dugout	
Total \$9399.55	
Disc - 1879.91	
Total \$7519.64	

DEPTH of Job	1667'
Reference:	Pump Charge 980.00
21	Mileage 47.25
Liberal	8 3/4 Top Rubber Plug 83.00
	Sub-Total
	Tax
	Total \$1110.25

Floating Equipment	1-8 3/4 Saw Tooth Guide Shot - 224.0
	1-8 3/4 AFU Insert - 258.0
	3-8 3/4 Centralizers - 183.0
	1-8 3/4 Cement Basket - 80.0
	1-Thread Lock - 30.0
	875.0

Remarks:
 CMT 8 3/4 Surface Csg with 550 SKS Lite
 + 200 SKS Class A Drop Plug Displace
 103.3 OBL Land Plug Float Held
 CMT Did Circulate

Thank you

OCT 25 1993
 CONSERVATION DIVISION
 Wichita, Kansas