

2-18s-43W 15.071-20587

Computer Inventory

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL  
COPY

## Drill-Stem Test Data

Well Name COYOTE #2 Test No. 1 Date 5/22/93  
 Company MURFIN/AXEN/DCX Zone MORROW  
 Address 250 N WATER SWT #300 WICHITA KS 67202 Elevation 3898  
 Co. Rep./Geo. SCOTT BANKS Cont. MURFIN #24 Est. Ft. of Pay 19  
 Location: Sec. 2 Twp. 18S Rge. 43W Co. GREELEY State KS

Interval Tested 5038-5170 Drill Pipe Size 4.5" XH  
 Anchor Length 132 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 5033 Drill Collar - 2.25 Ft. Run 356  
 Bottom Packer Depth 5038 Mud Wt. 9.3 lb/Gal.  
 Total Depth 5170 Viscosity 50 Filtrate 8.0

Tool Open @ 6:33 PM Initial Blow GOOD BLOW OFF BOTTOM IN 1 MINUTE  
GAS TO SURFACE IN 13 MINUTES  
 Final Blow GOOD BLOW OFF BOTTOM IN 15 SECONDS  
7.88 MCF/DAY

Recovery - Total Feet 1525 Flush Tool? NO

Rec. 3483 Feet of GAS IN PIPE  
 Rec. 1525 Feet of CLEAN GASSY OIL 20%GAS/80%OIL APR 1 1996  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ FROM CONFIDENTIAL  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

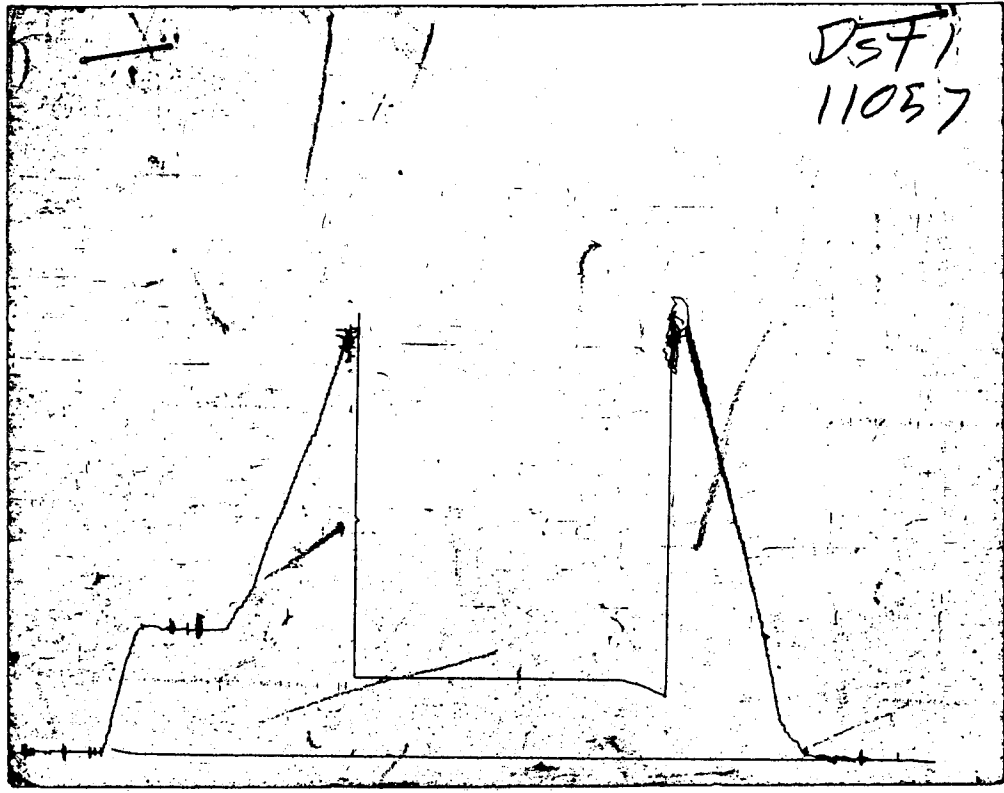
BHT 120 °F Gravity 37 °API @ 70 °F Corrected Gravity 36 °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2506.7 PSI AK1 Recorder No. 13308 Range 4700  
 (B) First Initial Flow Pressure 386.9 PSI @ (depth) 5040 w/ Clock No. 22992  
 (C) First Final Flow Pressure 460.1 PSI AK1 Recorder No. 11057 Range 4500  
 (D) Initial Shut-in Pressure 468.4 PSI @ (depth) 5165 w/ Clock No. 7452  
 (E) Second Initial Flow Pressure 464.9 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 468.4 PSI @ (depth) RECEIVED w/ Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 468.4 PSI Initial Opening JUN 28 1993 Final Flow 60  
 (H) Final Hydrostatic Mud 2479.5 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative MARK HERSKOWITZ

STATE CORPORATION COMMISSION  
 WICHITA, KANSAS

284-281-6



This is an actual photograph of recorder chart

RELEASED

APR 1 1996

FROM CONFIDENTIAL

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2490	2506.7
(B) FIRST INITIAL FLOW PRESSURE	358	386.9
(C) FIRST FINAL FLOW PRESSURE	448	460.1
(D) INITIAL CLOSED-IN PRESSURE	448	468.4
(E) SECOND INITIAL FLOW PRESSURE	448	464.9
(F) SECOND FINAL FLOW PRESSURE	448	468.4
(G) FINAL CLOSED-IN PRESSURE	448	468.4
(H) FINAL HYDROSTATIC MUD	2468	2479.5

RECEIVED  
 STATE CORPORATION COMMISSION  
 JUN 28 1993  
 CONSERVATION DIVISION  
 Wichita, Kansas

COYOTE #2  
INITIAL

DSI #1  
- SHUTIN  
30 INITIAL FLOW TIME

SLOPE 2.0 PSI/CYCLE  
P\* 468.75 PSI

	TIME(MIN)	Pws (psi)	Horn T	Log <> PRESSURE	Horn T
	3	464.9	1.041	464.9	11
X	6	467.2	0.778	2.3	6
	9	468.4	0.637	1.2	4
	12	468.4	0.544	0.0	4
	15	468.4	0.477	0.0	3
	18	468.4	0.426	0.0	3
	21	468.4	0.385	0.0	2
	24	468.4	0.352	0.0	2
	27	468.4	0.325	0.0	2
	30	468.4	0.301	0.0	2
	33	468.4	0.281	0.0	2
	36	468.4	0.263	0.0	2
	39	468.4	0.248	0.0	2
	42	468.4	0.234	0.0	2
	45	468.4	0.222	0.0	2
	48	468.4	0.211	0.0	2
	51	468.4	0.201	0.0	2
	54	468.4	0.192	0.0	2
	57	468.4	0.184	0.0	2
X	60	468.4	0.176	0.0	2

COYOTE #2  
FINAL

DST #1  
SHUTIN  
90 TOTAL FLOW TIME

SLOPE 0.0 PSI/CYCLE  
P\* 468.4 PSI

ORIGINAL

		Pws (psi)	Horn T	Log <> PRESSURE	Horn T
X	6	468.4	1.204	468.4	16
	12	468.4	0.929	0.0	9
	18	468.4	0.778	0.0	6
	24	468.4	0.677	0.0	5
	30	468.4	0.602	0.0	4
	36	468.4	0.544	0.0	4
	42	468.4	0.497	0.0	3
	48	468.4	0.459	0.0	3
	54	468.4	0.426	0.0	3
	60	468.4	0.398	0.0	3
	66	468.4	0.374	0.0	2
	72	468.4	0.352	0.0	2
	78	468.4	0.333	0.0	2
	84	468.4	0.316	0.0	2
X	90	468.4	0.301	0.0	2

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JUN 28 1993  
REGISTRATION DIVISION  
SANTA FE, NEW MEXICO

INITIAL FLOW

RECORDER #13308

DST # 1

ORIGINAL

TIME(MIN)	PRESSURE	<>PRESSURE
3	386.9	386.9
6	386.9	0.0
9	390.4	3.5
12	404.6	14.2
15	416.5	11.9
18	427.1	10.6
21	435.4	8.3
24	445.8	10.4
27	451.9	6.1
30	455.4	3.5
33	460.1	4.7

COPY

FINAL FLOW

RECORDER #13308

DST # 1

TIME(MIN)	PRESSURE	<> PRESSURE
3	464.9	464.9
6	467.2	2.3
9	468.4	1.2
12	468.4	0.0
15	468.4	0.0
18	468.4	0.0
21	468.4	0.0
24	468.4	0.0
27	468.4	0.0
30	468.4	0.0
33	468.4	0.0
36	468.4	0.0
39	468.4	0.0
42	468.4	0.0
45	468.4	0.0
48	468.4	0.0
51	468.4	0.0
54	468.4	0.0
57	468.4	0.0
60	468.4	0.0

RECEIVED  
STATE INFORMATION COMMISSION

JUN 28 1993

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

COMPUTER OIL EVALUATION BY TRILOBITE TESTING, L.L.C.

MURFIN/AXEN/DCX

COYOTE #2

DST 1

2 18S 43W

GREELEY KS

COYOTE

\*\*\*\*\*

ELEVATION:	3898	KB	EST. PAY	19	FT
DATUM:	-5041		ZONE TESTED:	MORROW	
TEST INTERVAL:	5038-5170		TIME INTERVALS:	30-60-60-90	
RECORDER DEPTH:	5040		VISCOSITY:	4.53	CP
BOTTOM HOLE TEMP:	120		HOLE SIZE:	7.875	IN

\*\*\*\*\*

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CUBIC FEET OF GAS IN PIPE:	278				
TOTAL FEET OF RECOVERY:	1525.00		CORRECTED PIPE FILLUP:	1279.781	
TOTAL BARRELS OF RECOVERY:	18.36		CORR. BARRELS OF RECOVERY:	14.880	BBL
BARRELS IN DRILL PIPE:	16.62		API GRAVITY:	36	
BARRELS IN WEIGHT PIPE:	0.00		FLUID GRADIENT:	0.366	
BARRELS IN DRILL COLLARS:	1.74				
GAS OIL RATIO:	15.14		CU.FT/BBL		
BUBBLE POINT PRESSURE:	121				
UNCORRECTED INITIAL PRODUCTION:				293.82	BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE:				238.08	BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:				209.539	

\*\*\*\*\*

INITIAL SLOPE	1.9928548	PSI/CYCL	FINAL SLOPE	0.1	PSI/CYCLE
INITIAL P*	468.75	PSI	FINAL P*	468.4	PSI

\*\*\*\*\*

TRANSMISSIBILITY	387121.20	(MD.-FT./CP.)
PERMEABILITY	92364.79	(MD.)
INDICATED FLOW CAPACITY	1754930.98	(MD.FT)
PRODUCTIVITY INDEX	437.45	(BARREL/DAY/PSI)
DAMAGE RATIO	0.00	
RADIUS OF INVESTIGATION	2883.20	(FT,)
POTENTIOMETRIC SURFACE	-3953.78	(FT.)
DRAWDOWN FACTOR	0.075	(%)

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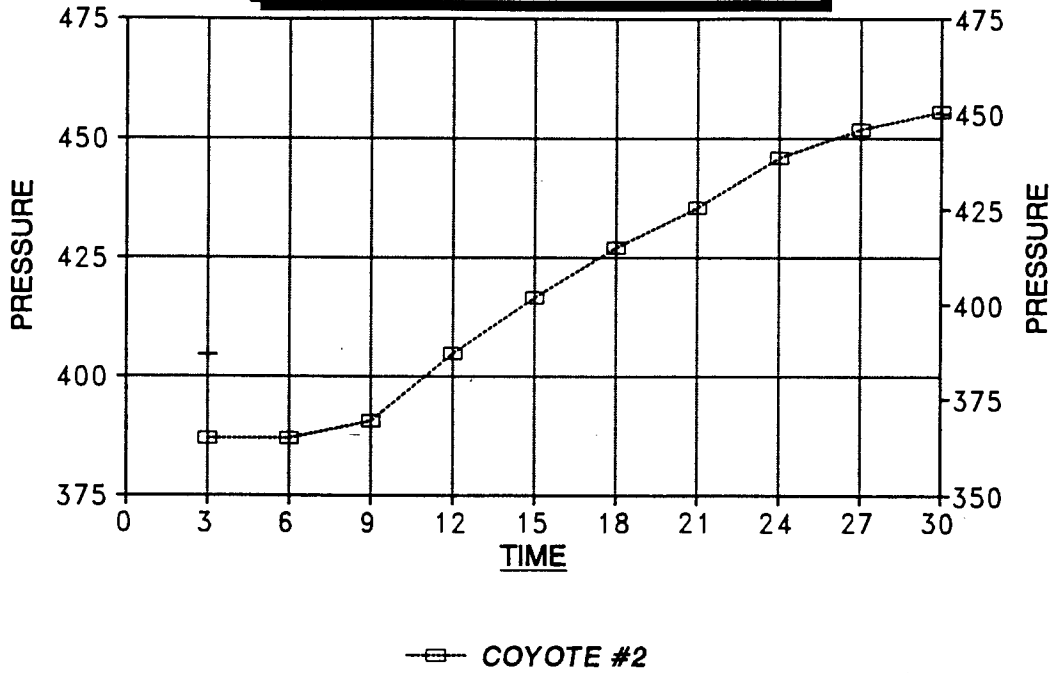
JUN 28 1993

CONSERVATION DIVISION  
Wichita Kansas

# DELTA T DELTA P

FINAL FLOW / DST #1

ORIGINAL



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

209.539

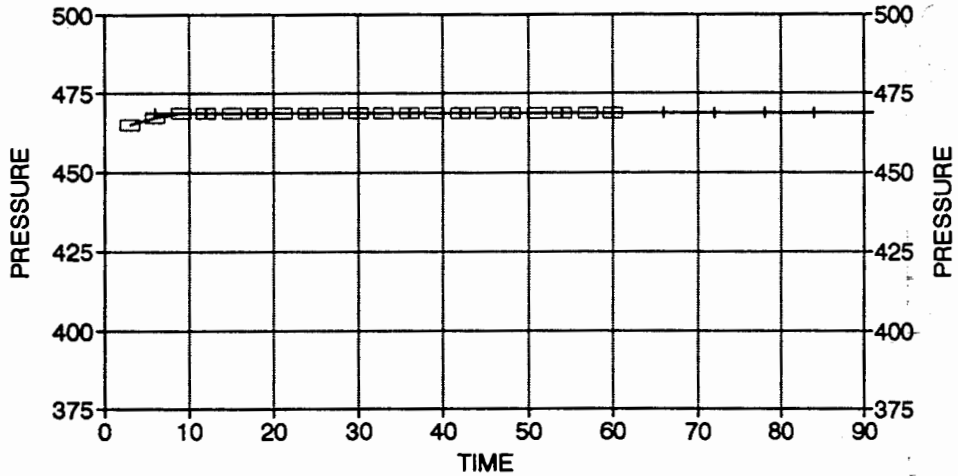
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Wichita, Kansas

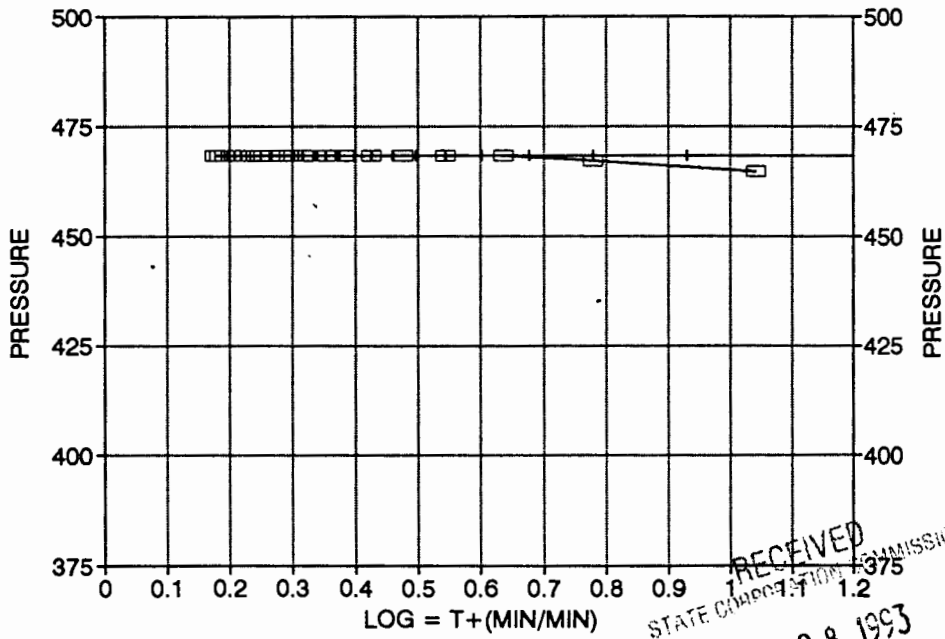
# COYOTE #2 / DST #1 DELTA T DELTA P

ORIGINAL



—□— INITIAL —+— FINAL

# HORNER PLOT



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STATE COMMISSION

JUN 28 1993

CONSERVATION DIVISION  
Wichita, Kansas

GAS VOLUME REPORT

ORIGINAL

MURFIN/AXEN/DCX

COYOTE #2

DST # 1

MIN	INCHES	ORIFICE	MCF/D	MIN	INCHES	ORIFICE	MCF/D
	WATER				WATER		
5	6	1	63.3	1	8	1.25	4.76
10	4	1	51.6	5	16	1.25	6.72
15	2	1	36.5	10	20	1.25	7.51
20	30	0.5	34.3	15	20	1.25	7.51
25	24	0.5	30.7	20	20	1.25	7.51
30	18	0.5	26.6	25	21	1.25	7.69
				30	22	1.25	7.88
				35	22	1.25	7.88
				40	22	1.25	7.88
				45	22	1.25	7.88
				50	22	1.25	7.88
				55	22	1.25	7.88
				60	22	1.25	7.88

Remarks: GAS TO SURFACE IN 13 MINUTES

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 JUN 28 1993  
 CONSERVATION DIVISION  
 Wichita Kansas

FLUID SAMPLER DATA

ORIGINAL

Ticket No.: 5798 Date: 5/22/93  
 Company: MURFIN/AXEN/DCX  
 Lease: COYOTE #2 Test No.: 1  
 County: GREELEY Sec.: 2 Twp.: 18S Rng.: 43W

SAMPLER RECOVERY

Gas 2.50 CF  
 Oil 1375  
 Mud  
 Water  
 Other  
 Pressure 225  
 TOTAL 4000

PIT MUD ANALYSIS

Chlorides 7000  
 Resistivity ohms<sup>e</sup> F  
 Viscosity 50  
 Mud Wt. 9.3  
 Filtrate 8.0  
 Other

SAMPLER ANALYSIS

Resistivity ohms<sup>e</sup> F  
 Chlorides ppm.  
 Gravity corrected @60F

PIPE RECOVERY

TOP  
 Resistivity ohms<sup>e</sup> F  
 Chlorides ppm  
 MIDDLE  
 Resistivity ohms<sup>e</sup> F  
 Chlorides ppm  
 BOTTOM  
 Resistivity ohms<sup>e</sup> F  
 Chlorides ppm

CALCULATED RECOVERY ANALYSIS

DST

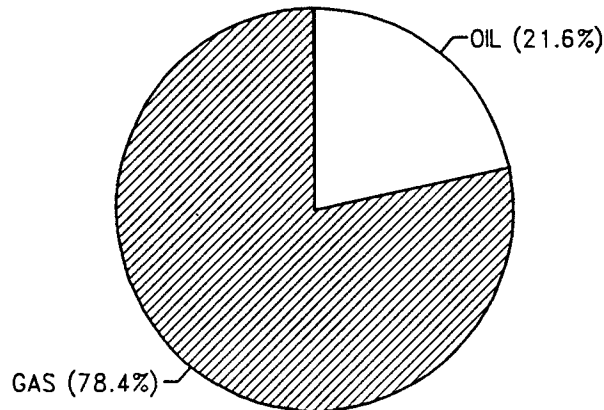
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TICKET #

5798

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	3483	100	3483		0		0		0
PIPE 2	1169	20	233.8	80	935.2		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1	356	20	71.2	80	284.8		0		0
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	5008		3788		1220		0		0

	HRS OPEN	BBL/DAY
BBL OIL=	14.691216 *	1.5 235.05946
BBL WATER=	0 *	0
BBL MUD=	0	
BBL GAS =	53.201064	





ORIGINAL

ANALYTICAL LABORATORY, INC.  
424 Greenwood • Wichita, Kansas 67211 • (316) 269-4200

\*\*\*\*\*  
\*EXTENDED NATURAL GAS ANALYSIS\*  
\*\*\*\*\*

COMPANY NAME: MURFIN DRILLING CO      LAB# 9315923  
 SAMPLE ID: COYOTE 2 / DST-1 / MORROW FORMATION / TD 5038-5170  
 SETT #: N/A  
 COUNTY: GREELEY      LEGAL LOCATION: 2-18S-43W  
 DATE SAMPLED: N/A 0      SAMPLER: TRILOBITE  
 SAMPLE PRESSURE: N/A      TEMPERATURE (F): N/A  
 DATE ANALYZED: MAY 26 1993  
 QUALITY CONTROL DATE: MAY 26 1993

\*\*\*\*\*ANALYSIS\*\*\*\*\*CALCULATED AT 14.65 PSIA, AT 60 F\*\*NORMALIZED\*\*\*\*\*

HYDROCARBONS	MOLAL%	LIQUID VOLUME%	BTU AMOUNT	GPM
METHANE	35.52	37.77	357.63	0
ETHANE	6.26	10.51	110.43	0
PROPANE	4.95	8.56	124.16	1.36
ISO-BUTANE	.82	1.69	26.58	.27
NORMAL-BUTANE	1.75	3.46	56.91	.55
ISO-PENTANE	.53	1.22	21.14	.19
NORMAL-PENTANE	.52	1.18	20.78	.19
3-METHYLPENTANE	*			
2,3-DIMETHYLBUTANE	*			
2-METHYLPENTANE	*			
CYCLOPENTANE	*			
NORMAL HEXANE	*			
HEXANES+	.8	2.08	40.4	.35
NITROGEN	46.25	31.97	0	0
OXYGEN	1.8	1	0	0
CARBON DIOXIDE	.1	.11	0	0
HELIUM	.7	.45	0	
HYDROGEN	TRACE (<.01)			
TOTALS*****	100	100	758.03	2.91

BTU/FT<sup>3</sup> DRY (IDEAL GROSS): 758.03  
 BTU/FT<sup>3</sup> SATURATED (IDEAL GROSS): 745.64  
 IDEAL SPECIFIC GRAVITY: .91  
 COMPRESSIBILITY: .9981  
 GPM: 2.91  
 \*=COMBINED WITH HEXANES+

RECEIVED  
STATE PROBATION COMMISSION

JUN 28 1993

CONSERVATION DIVISION  
Wichita, Kansas

RESPECTFULLY SUBMITTED

*Richard J. Fisher*

PRIORITY ANALYTICAL LAB

NOTE: VERY Low Volume of gas  
 in cylinder. Oxygen indicates  
 atmospheric contamination.  
 Analysis may not be accurate.

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Test Ticket

No 5798

Well Name & No. COYOTE 2<sup>nd</sup> Test No. 1 Date 5-22-93  
 Company MURFIN/AVEN/PCX Zone Tested MORROW  
 Address 252 N WATER ST #300 WICHITA Elevation \_\_\_\_\_  
 Co. Rep./Geo. SCOTT BONKS cont. MURFIN Rig 24 Est. Ft. of Pay 19  
 Location: Sec. 2 Twp. 18s Rge. 43W Co. GREELEY State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 5038 - 5170 Drill Pipe Size 4 1/2 X H  
 Anchor Length 132 Top Choke - 1" \_\_\_\_\_ Bottom Choke - 3/4" \_\_\_\_\_  
 Top Packer Depth 5033 Hole Size - 7 7/8" \_\_\_\_\_ Rubber Size - 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 5038 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 5170 Drill Collar - 2.25 Ft. Run 350

Mud Wt. 9.3 LCM lb/gal Viscosity 50 Filtrate 8.0  
 Tool Open @ 6:33 PM Initial Blow Good Blow OFF BOTTOM 1 MIN  
GAS TO SUR IN 13 MIN

Final Blow Good Blow OFF BOTTOM 15 SEC  
22" TO WATER ON 1/4" ORIFICE = 7.88 MCF/DAY

Recovery - Total Feet 1525 Feet of Gas in Pipe 3483 Flush Tool?

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>1525</u>	<u>C GAS 0.1</u>	<u>20%</u>	<u>80%</u>		
_____	Feet Of _____	%gas _____	%oil _____	%water _____	%mud _____
_____	Feet Of _____	%gas _____	%oil _____	%water _____	%mud _____
_____	Feet Of _____	%gas _____	%oil _____	%water _____	%mud _____
_____	Feet Of _____	%gas _____	%oil _____	%water _____	%mud _____

BHT 120 °F Gravity 37 °API @ 70 °F Corrected Gravity 36 °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2490 PSI AK1 Recorder No. 13308 Range 4700  
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 (E) Second Initial Flow Pressure 448 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 448 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 448 PSI Initial Opening 30 Test  700  
 (H) Final Hydrostatic Mud 2468 PSI Initial Shut-In 60 Jars  200

Final Flow 60 Safety Joint  50  
 Final Shut-In 90

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]  
 Our Representative [Signature]

Printcraft Printers - Hays, KS

RECEIVED STATE PRODUCTION COMMISSION JUN 20 1993  
 Straddle   
 Circ. Sub  3500  
 Sampler  200  
 Extra Packer \_\_\_\_\_  
 Other eval 50  
 TOTAL PRICE \$ 1200



# PRIORITY

ANALYTICAL LABORATORY, INC.

ORIGINAL

424 Greenwood • Wichita, Kansas 67211 • (316) 269-4200

\*\*\*\*\*  
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 \*\*\*\*\*

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 SAMPLE PRESSURE: N/A      TEMPERATURE (F): N/A  
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2,3-DIMETHYLBUTANE	*			
2-METHYLPENTANE	*			
CYCLOPENTANE	*			
NORMAL HEXANE	*			
HEXANES+	.8	2.08	40.4	.35
NITROGEN	46.25	31.97	0	0
OXYGEN	1.8	1	0	0
CARBON DIOXIDE	.1	.11	0	0
HELIUM	.7	.45	0	0
HYDROGEN	TRACE (<.01)			
<b>TOTALS*****</b>	<b>100</b>	<b>100</b>	<b>758.03</b>	<b>2.91</b>

BTU/FT<sup>3</sup> DRY (IDEAL GROSS): 758.03  
 BTU/FT<sup>3</sup> SATURATED (IDEAL GROSS): 745.64  
 IDEAL SPECIFIC GRAVITY: .91  
 COMPRESSIBILITY: .9981  
 GPM: 2.91  
 \*=COMBINED WITH HEXANES+

RECEIVED  
 STATE CORPORATION COMMISSION

JUN 28 1993

CONSERVATION DIVISION  
 Wichita, Kansas

RESPECTFULLY SUBMITTED

*Richard D. Johnson*

PRIORITY ANALYTICAL LAB

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P.O. Box 362 • Hays, Kansas 67601

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No 5798

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 Co. Rep./Geo. SCOTT BONKS Cont. MURFIN Rig 24 Est. Ft. of Pay 19  
 Location: Sec. 2 Twp. 18S Rge. 43W Co. GREILEY State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 5038 - 5170 Drill Pipe Size 4 1/2 XH  
 Anchor Length 132 Top Choke - 1" \_\_\_\_\_ Bottom Choke - 1/4" \_\_\_\_\_  
 Top Packer Depth 5033 Hole Size - 7 7/8" \_\_\_\_\_ Rubber Size - 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 5038 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Total Depth 5170 Drill Collar - 2.25 Ft. Run 350  
 Mud Wt. 9.3 LCM \_\_\_\_\_ lb/gal Viscosity 50 Filtrate 8.0  
 Tool Open @ 6:33 PM Initial Blow Good Blow OFF BOTTOM 1 MIN

Gas to surface in 13 MIN  
 Final Blow Good Blow OFF BOTTOM 15 SEC  
22" TO WATER ON 1/4" ORIFICE = 7.88 MCF/DAY  
 Recovery - Total Feet 1525 Feet of Gas in Pipe 3483 Flush Tool? \_\_\_\_\_

Rec.	Feet Of	% gas	% oil	% water	% mud
<u>1525</u>	<u>C GAS 0.1</u>	<u>20%</u>	<u>80%</u>		
Rec. _____	Feet Of _____	% gas _____	% oil _____	% water _____	% mud _____
Rec. _____	Feet Of _____	% gas _____	% oil _____	% water _____	% mud _____
Rec. _____	Feet Of _____	% gas _____	% oil _____	% water _____	% mud _____
Rec. _____	Feet Of _____	% gas _____	% oil _____	% water _____	% mud _____

BHT 120 °F Gravity 37 °API @ 70 °F Corrected Gravity 36 °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2490 PSI AK1 Recorder No. 13308 Range 4700  
 (B) First Initial Flow Pressure 358 PSI @ (depth) 5040 w/Clock No. 22992  
 (C) First Final Flow Pressure 448 PSI AK1 Recorder No. 11057 Range 4500  
 (D) Initial Shut-In Pressure 448 PSI @ (depth) 5165 w/Clock No. 7452  
 (E) Second Initial Flow Pressure 448 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 448 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 448 PSI Initial Opening 30 Test  700  
 (H) Final Hydrostatic Mud 2468 PSI Initial Shut-In 60 Jars  200

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]  
 Our Representative [Signature]

Final Flow 60 Safety Joint  50  
 Final Shut-In 90  
 Straddle   
 Circ. Sub  35.00  
 Sampler  200  
 Extra Packer \_\_\_\_\_  
 Other eval 50  
 TOTAL PRICE \$ 1200

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