

WELL NAME:
COMPANY:
LOCATION:

Arlie #18-1
Comanche Resources Company
18-31s-19w
Comanche co KS
4/11/00

DATE:

RELEASED

MAY 29 2001

ORIGINAL

KCC

MAY 05 2000

FROM CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

RECEIVED

KANSAS CORPORATION COMMISSION

MAY 16 2000

CONSERVATION DIVISION
WICHITA, KS

OPERATOR : Comanche Resources Co.

DATE 4-7-00

WELL NAME: Arlie #18-1

KB 2130.00 ft

TICKET NO: 12946

DST #1

LOCATION: 18-31s-19w Comanche co KS

GR 2119.00 ft

FORMATION: Swope

INTERVAL : 4718.00 To 4753.00 ft

TD 4753.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 0432 to 0502 hr
SI 60 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0502 to 0602 hr
SF 60 Clock(hrs)	12hr	12hr	elec			SF Fr. 0602 to 0702 hr
FS 120 Depth(ft)	4748.0	4748.0	4721.0	0.0	0.0	FS Fr. 0702 to 0902 hr

	Field	1	2	3	4	
A. Init Hydro	2262.0	2285.0	2238.0	0.0	0.0	T STARTED 0025 hr
B. First Flow	132.0	126.0	78.0	0.0	0.0	T ON BOTM 0426 hr
B1. Final Flow	176.0	176.0	161.0	0.0	0.0	T OPEN 0432 hr
C. In Shut-in	1658.0	1638.0	1649.0	0.0	0.0	T PULLED 0902 hr
D. Init Flow	0.0	0.0	131.0	0.0	0.0	T OUT 1315 hr
E. Final Flow	0.0	0.0	228.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1664.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2262.0	2284.0	2232.0	0.0	0.0	Tool Wt. 2800.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 115000.00 lbs
						Initial Str Wt 106000.00 lbs
						Unseated Str Wt 110000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 594.00 ft
						D.P. Length 4121.00 ft

RECOVERY

Tot Fluid 690.00 ft of 594.00 ft in DC and 96.00 ft in DP
 240.00 ft of Clean oil
 0.00 ft of 100% oil
 180.00 ft of Muddy gassy oil
 0.00 ft of 15% gas 50% oil 35% mud
 120.00 ft of Gas & water cut oil
 0.00 ft of 10% gas 70% oil 20% water
 150.00 ft of Slightly oil cut water
 0.00 ft of 1% oil 99% water
 SALINITY 67000.00 P.P.M. A.P.I. Gravity 43.00

KCC
 MAY 05 2000
 CONFIDENTIAL

RELEASED

MAY 29 2001

FROM CONFIDENTIAL

BLOW DESCRIPTION

Initial Flow:

Strong blow in 3 minutes.

Final Flow:

Strong blow. Gas to surface in 35 minutes.

Final Shut-In:

Had blow back.

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	42.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	111.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	

SAMPLES:

SENT TO:

Tester	Ray Schwager
Co. Rep.	Dale Padgett
Contr.	H-40 Drlg.
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

ORIGINAL

CONFIDENTIAL

GAS RECOVERY

COMPANY: Comanche Resources Co.

DATE: 4-7-00

WELL NAME: Arlie #18-1

KB Elev: 2130.00 ft TICKET #12946 DST #1

WELL LOCATION: 18-31s-19w Comanche co KS

GR Elev: 2119.00 ft FORMATION: Swope

INTERVAL Fr.: 4718.00 To 4753.00 T.D.: 4753.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH orifice

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
40	0.50	0	44	41600.0
50	0.50	0	6	15400.0
60	0.50	0	3	10900.0

RELEASED

1005 9 5 11

FROM CONFIDENTIAL

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Arlie #18-1

LOCATION : 18-31s-19w Comanche co KS

TICKET No. 12946 D.S.T. No. 1 DATE 4-7-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 32

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 35

TOTAL TOOL 67

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands10 Single Total 594

D.P. ABOVE TOOLS.Stands65 Single 1 Total 4121

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4782

TOTAL DEPTH 4753

TOTAL DRILL PIPE ABOVE K.B. 29

REMARKS:

Fluid Sampler Data

Recovery

gas 800 ML

oil 2000 ML Gravity 43 @60F

mud ML

water 1200 ML

pressure 1550 psi

total 4000 ML

Sampler Analysis

RW .12 ohms@ 68 F

Chlorides 67000 ppm

Pit Mud Analysis

RW .7 ohms@ 65 F

Chlorides 5500 ppm

Wt. 9.1

Filtrate 9.6

Vis. 42

P.O. SUB	4564
C.O. SUB	4686
S.I. TOOL	4691
sample-chamber	4696
HMV	4700
JARS	4705
SAFETY JOINT	4710
PACKER	4713
PACKER	4718
DEPTH	4719
ANCHOR 5'perf	4724
5' "	4729
5' "	4734
5' "	4739
Alpine@4721	
Ak-1 @4748	
5'perf	4744
5' "	4749
1' "	4750
BULLNOSE 3'bullplug	4753
T.D.	4753

CALCULATED RECOVERY ANALYSIS

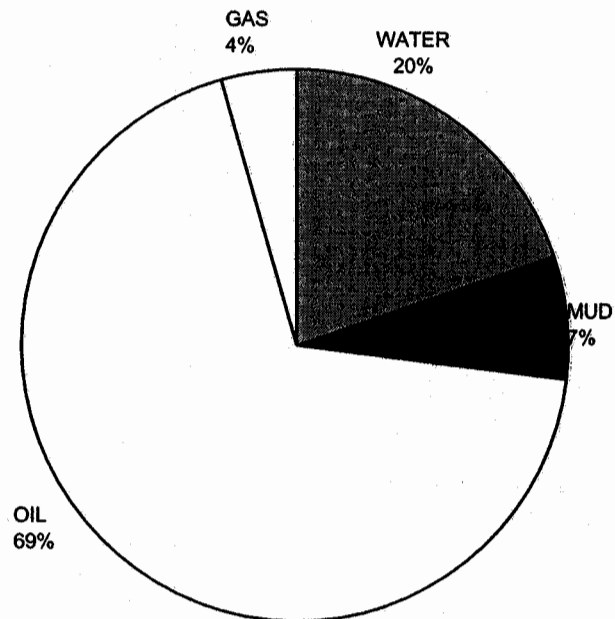
DST 1

TICKET 12946

SAMPLE #		TOTAL		GAS		OIL		WATER		MUD	
		FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL	1	96	0	0	100	96	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
DRILL	1	144	0	0	100	144	0	0	0	0	0
COLLARS	2	180	15	27	50	90	0	0	35	63	
	3	120	10	12	70	84	20	24	0	0	
	4	150	0	0	1	1.5	99	148.5	0	0	
	5	0	0	0	0	0	0	0	0	0	
TOTAL		690	0	39	0	415.5	0	172.5	0	63	

BBL OIL= 2.927475 *
 BBL WATER= 0.843525 *
 BBL MUD= 0.30807
 BBL GAS = 0.19071

HRS OPEN 1.5 =
 BBL/DAY 46.8396
 = 13.4964



TEST HISTORY

12946 DST#1 Arlie #18-1 Comanche Resources Company

Flag Points

t(Min.) P(PSig)

A:	0.00	2238.67
B:	0.00	78.65
C:	29.50	161.56
D:	59.00	1649.73
E:	0.00	131.98
F:	59.00	228.29
G:	122.00	1664.55
Q:	0.00	2232.14

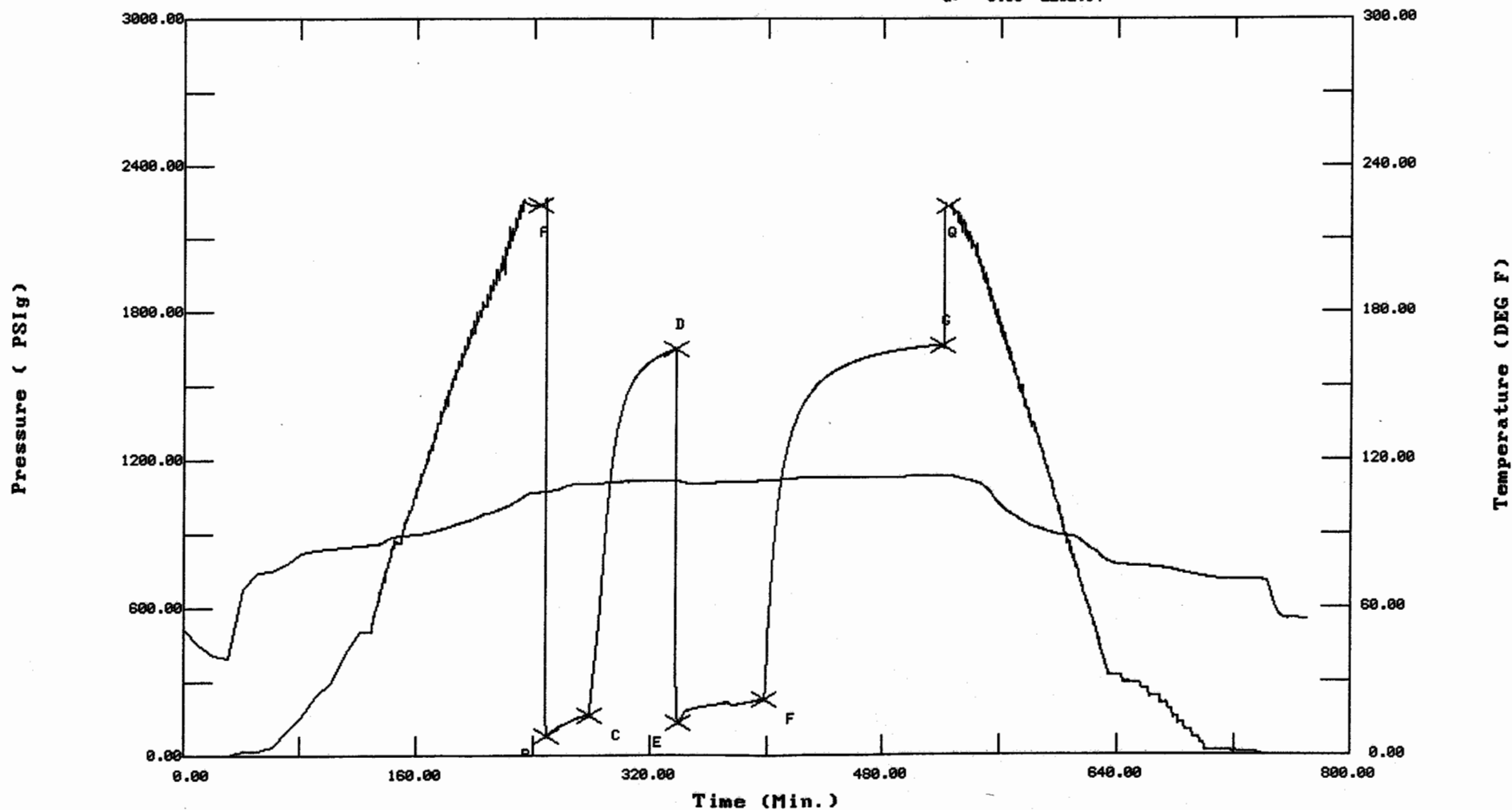
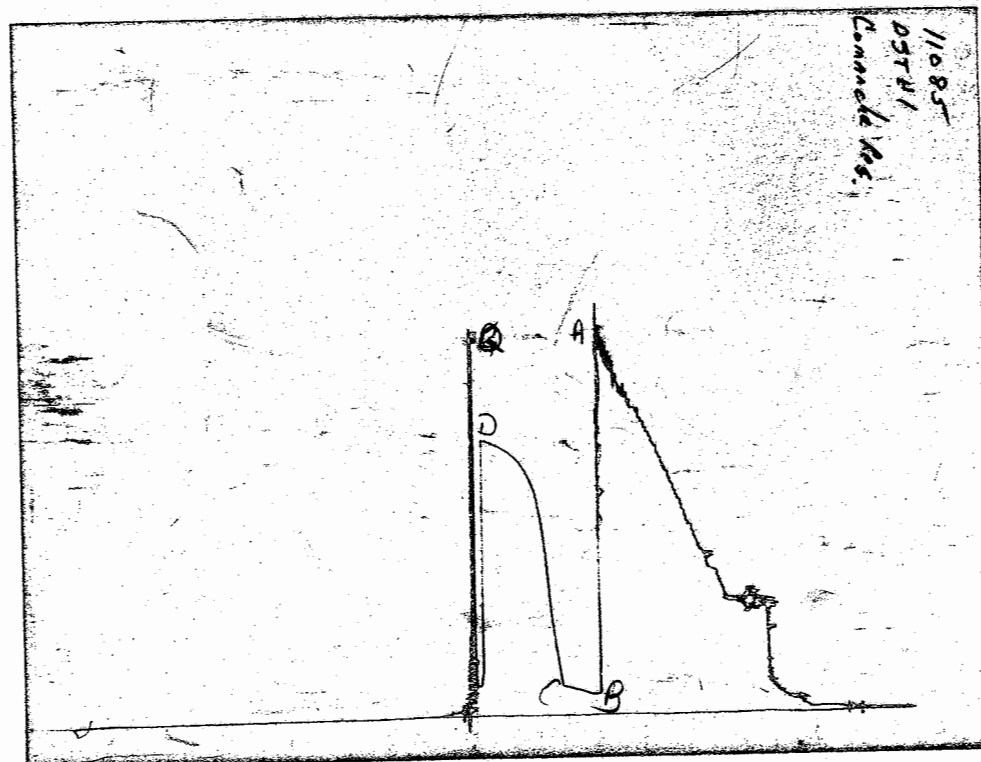


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 12946 Date 4-7-00
Company Name Comanche Resources Company
Lease Aelic #18-1 Test No. 1
County Comanche Sec. 18 Twp. 31^s Rng. 19^w

SAMPLER RECOVERY

Gas 800 ML
Oil 2000 ML
Mud - ML
Water 1200 ML
Other - ML
Pressure 1550 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 5500 ppm.
Resistivity .7 ohms @ 65 F
Viscosity 42
Mud Weight 9.1
Filtrate 9.6
Other _____

SAMPLER ANALYSIS

Resistivity .12 ohms @ 68 F
Chlorides 67000 ppm.
Gravity 43 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity .12 ohms @ 68 F
Chlorides 67000 ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12946

Test Ticket

Well Name & No.	<u>ARLIE #18-1</u>		Test No.	<u>1</u>	Date	<u>4-7-00</u>	
Company	<u>Comanche Resources Company</u>		Zone Tested	<u>SWOPE</u>			
Address	<u>9520 N. MAY, SUITE 370 OKLAHOMA CITY, OK. 73120</u>		Elevation	KB <u>2119</u> GL			
Co. Rep / Geo.	<u>Dale Padgett</u>	Cont.	<u>H-40 Drllg 1193</u>	Est. Ft. of Pay	-	Por.	- %
Location: Sec.	<u>18</u>	Twp.	<u>31^S</u>	Rge.	<u>19^W</u>	Co.	<u>Comanche</u> State <u>KO</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	-	Turnkey (Y, N)	-	Evaluation (Y, N)	-

Interval Tested	<u>4718-4753</u>	Initial Str Wt/Lbs	<u>106000</u>	Unseated Str Wt/Lbs	<u>110000</u>
Anchor Length	<u>35</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs	<u>115000</u>
Top Packer Depth	<u>4713</u>	Tool Weight	<u>2800</u>		
Bottom Packer Depth	<u>4718</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>4753</u>	Wt. Pipe Run	-	Drill Collar Run	<u>594</u>
Mud Wt. <u>9.1</u> LCM - Vis. <u>42</u> WL <u>9.6</u>		Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4121</u>
Blow Description	<u>IFP - STRONG BLOW IN 3 min</u>				
	<u>FFP - STRONG BLOW GAS TO SURFACE IN 35 min</u>				
	<u>HAD BLOW BACK ON SHUT-IN</u>				

Recovery — Total Feet	<u>690</u>	GIP		Ft. in DC	<u>594</u>	Ft. in DP	<u>96</u>
Rec. <u>240</u>	Feet Of	<u>CLEAN OIL</u>	%gas	%oil	%water	%mud	
Rec. <u>180</u>	Feet Of	<u>MGO</u>	<u>15</u> %gas	<u>50</u> %oil	%water	<u>35</u> %mud	
Rec. <u>120</u>	Feet Of	<u>GWCO</u>	<u>10</u> %gas	<u>70</u> %oil	<u>20</u> %water	%mud	
Rec. <u>150</u>	Feet Of	<u>50CW</u>	%gas	<u>1</u> %oil	<u>99</u> %water	%mud	
Rec.	Feet Of		%gas	%oil	%water	%mud	
BHT <u>111</u>	°F Gravity	<u>43</u>	°API D@	<u>60</u>	°F Corrected Gravity	<u>43</u>	°API
RW <u>.12</u>	@	<u>68</u>	°F Chlorides	<u>67000</u>	ppm Recovery	Chlorides <u>5500</u>	ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	<u>2262</u>	<u>2238</u>	PSI	Recorder No.	<u>3027</u>	T-On Location	<u>1930</u>
(B) First Initial Flow Pressure	<u>132</u>	<u>78</u>	PSI	(depth)	<u>4721</u>	T-Started	<u>0025</u>
(C) First Final Flow Pressure	<u>176</u>	<u>161</u>	PSI	Recorder No.	<u>11085</u>	T-Open	<u>0432</u>
(D) Initial Shut-In Pressure	<u>1658</u>	<u>1649</u>	PSI	(depth)	<u>4748</u>	T-Pulled	<u>0902</u>
(E) Second Initial Flow Pressure	-	<u>131</u>	PSI	Recorder No.	-	T-Out	<u>1315</u>
(F) Second Final Flow Pressure	-	<u>228</u>	PSI	(depth)	-	T-Off Location	<u>1400</u>
(G) Final Shut-in Pressure	-	<u>1664</u>	PSI	Initial Opening	<u>30</u>	Test	✓
(Q) Final Hydrostatic Mud	<u>2262</u>	<u>2232</u>	PSI	Initial Shut-in	<u>60</u>	Jars	✓
				Final Flow	<u>60</u>	Safety Joint	✓
				Final Shut-in	<u>120</u>	Straddle	

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 Dale Padgett

Our Representative Ray Schurmer Thank you

Circ. Sub
Sampler ✓
Extra Packer
Elec. Rec. ✓
Mileage
Other
TOTAL PRICE \$ ✓

TRILOBITE TESTING L.L.C.

OPERATOR : Comanche Resources Co.

DATE 4-9-00

WELL NAME: Arlie #18-1

KB 2130.00 ft

TICKET NO: 12947 DST #2

LOCATION : 18-31s-19w Comanche co KS

GR 2119.00 ft

FORMATION: Mississippi

INTERVAL : 5095.00 To 5136.00 ft

TD 5136.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 0015 to 0045 hr
SI 60 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0045 to 0145 hr
SF 60 Clock(hrs)	12hr	12hr	elec			SF Fr. 0145 to 0245 hr
FS 120 Depth(ft)	5107.0	5107.0	5098.0	0.0	0.0	FS Fr. 0245 to 0445 hr

	Field	1	2	3	4	
A. Init Hydro	2424.0	2534.0	2471.0	0.0	0.0	T STARTED 2048 hr
B. First Flow	66.0	73.0	43.0	0.0	0.0	T ON BOTM 0011 hr
B1. Final Flow	77.0	82.0	71.0	0.0	0.0	T OPEN 0015 hr
C. In Shut-in	1722.0	1741.0	1737.0	0.0	0.0	T PULLED 0445 hr
D. Init Flow	88.0	92.0	46.0	0.0	0.0	T OUT 0838 hr
E. Final Flow	121.0	127.0	109.0	0.0	0.0	
F. Fl Shut-in	1755.0	1760.0	1748.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2424.0	2520.0	2428.0	0.0	0.0	Tool Wt. 2800.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 130000.00 lbs
						Initial Str Wt 110000.00 lbs
						Unseated Str Wt 110000.00 lbs

RECOVERY

Tot Fluid 245.00 ft of 245.00 ft in DC and 0.00 ft in DP

65.00 ft of Slightly oil & gas cut mud

0.00 ft of 2% gas 3% oil 95% mud

180.00 ft of Heavily oil & gas cut mud

0.00 ft of 25% gas 25% oil 50% mud

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 39.00

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	41.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:

Strong blow throughout.

Initial Shut-In:

Gas surfaced 5 minutes into shut-in.

Final Flow:

Gas to surface, to weak to gauge.

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Dale Padgett
Contr.	H-40 Drlg.
Rig #	3
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

GAS RECOVERY

COMPANY: Comanche Resources Co.

DATE: 4-9-00

WELL NAME: Arlie #18-1

KB Elev: 2130.00 ft TICKET #12947 DST #2

WELL LOCATION: 18-31s-19w Comanche co KS

GR Elev: 2119.00 ft FORMATION: Mississippi

INTERVAL Fr.: 5095.00 To 5136.00 T.D.: 5136.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH orifice

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	0	0	0.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Arlie #18-1

LOCATION : 18-31s-19w Comanche co KS

TICKET No. 12947 D.S.T. No. 2 DATE 4-9-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 32

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 41

TOTAL TOOL 73

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands10 Single Total 594

D.P. ABOVE TOOLS.Stands71 Single 1 Total 4494

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5161

TOTAL DEPTH 5136

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

Fluid Sampler Data

Sampler Recovery

Gas 1000 ML

Oil 1000 ML Gravity 39 @ 60 F

Mud 2000 ML

Water ----- ML

Pressure 1600 PSI

Total 4000 ML

Sampler Analysis

RW -- ohms@ -- F

Chlorides ----- ppm

Pit mud Analysis

RW .48 ohms@ 70F

Chlorides 8000 ppm

WT 9.1

Filtrate 8.8

Viscosity 41

P.O. SUB	4942
C.O. SUB	5064
S.I. TOOL	5069
sample-chamber	5074
HMV	5078
JARS	5082
SAFETY JOINT	5087
PACKER	5090
PACKER	5095
DEPTH	5096
ANCHOR 5'perf	5101
5' "	5106
5' "	5111
5' "	5116
5' "	5121
Alpine@5098	
Ak-1 @5107	
5'perf	5126
5' "	5131
2' "	5133
BULLNOSE 3'bullplug	5136
T.D.	5136

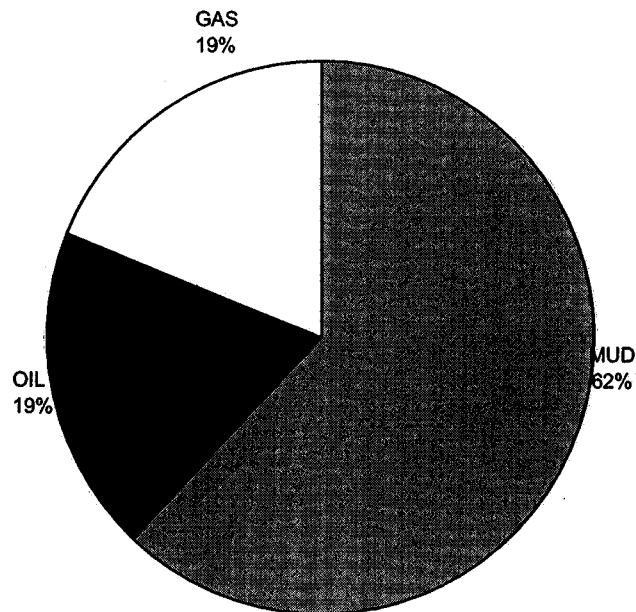
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 12947

SAMPLE #		TOTAL		GAS		OIL		WATER		MUD	
		FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL PIPE	1	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0
WEIGHT PIPE	1	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
DRILL	1	65	2	1.3	3	1.95	0	0	95	61.75	
COLLARS	2	180	25	45	25	45	0	0	50	90	
	3	0	0	0	0	0	0	0	0	0	
	4	0	0	0	0	0	0	0	0	0	
	5	0	0	0	0	0	0	0	0	0	
TOTAL		245	0	46.3	0	46.95	0	0	0	151.75	

BBL OIL= 0.2295855 * HRS OPEN 1.5 = BBL/DAY 3.673368
 BBL WATER= 0 * = 0
 BBL MUD= 0.7420575
 BBL GAS = 0.226407



TEST HISTORY

12947 DST#2 Arlie #18-1 Comanche Resources Company

Flag Points

t(Min.) P(PSig)

A: 0.00 2471.73
B: 0.00 43.14
C: 29.50 71.14
D: 59.00 1737.41
E: 0.00 46.59
F: 60.00 109.57
G: 126.00 1748.12
Q: 0.00 2428.55

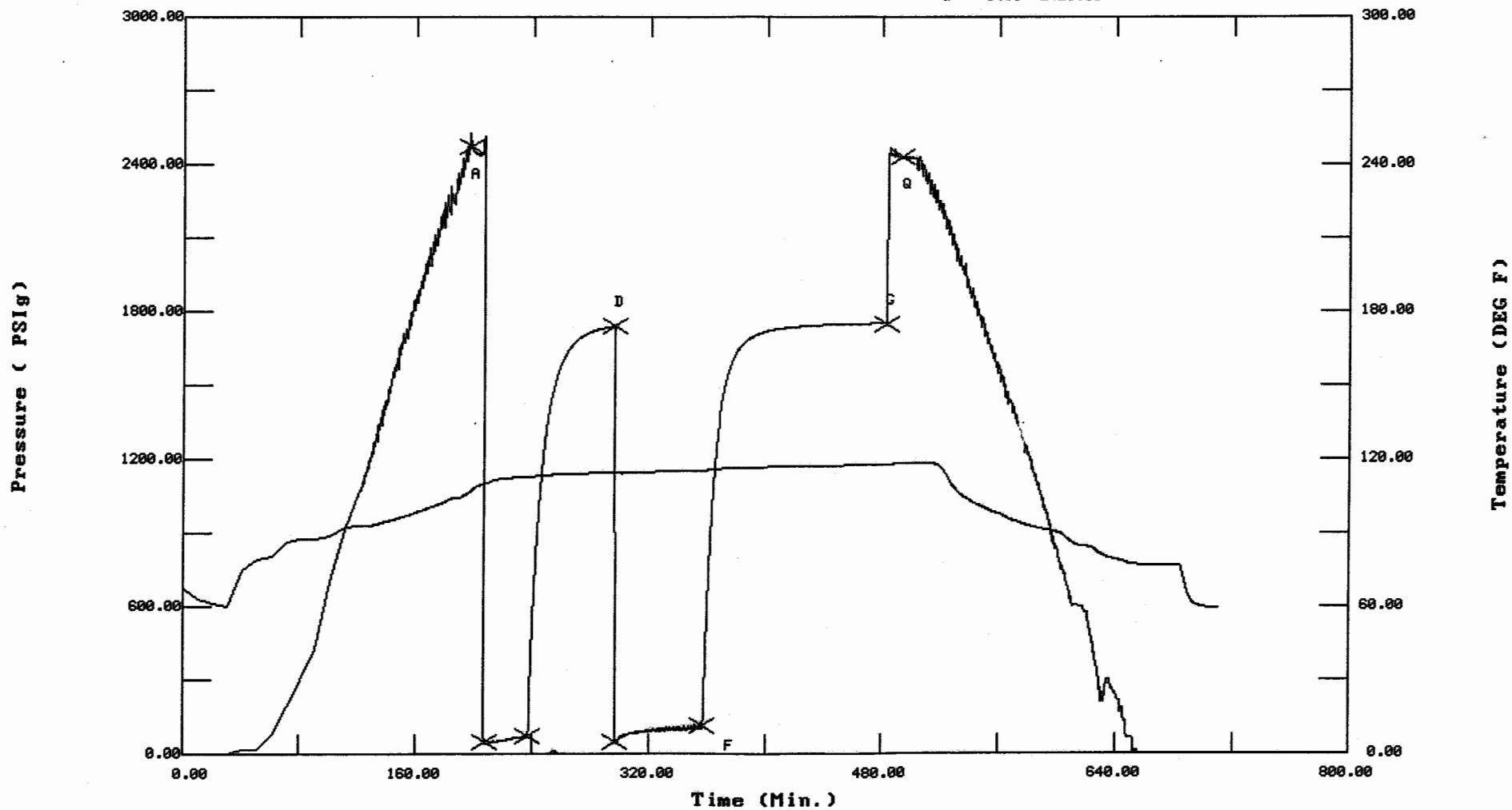
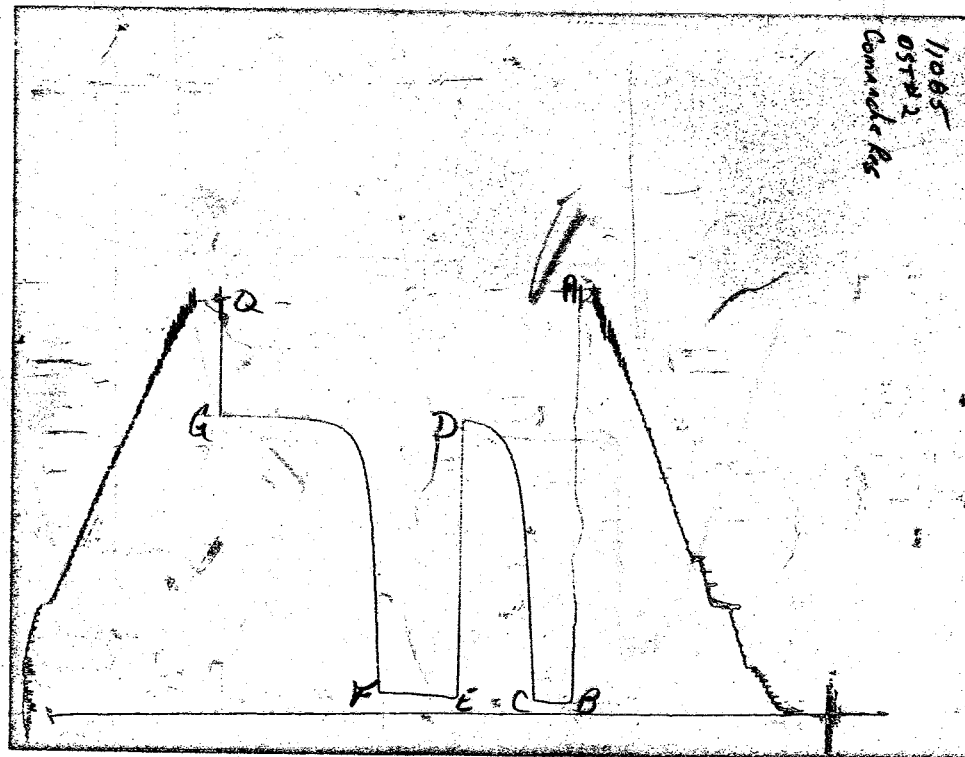


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 12947 Date 4-9-00
Company Name Comanche Resources Company
Lease Aplic #18-1 Test No. 2
County Comanche Sec. 18 Twp. 31^s Rng. 19^w

SAMPLER RECOVERY

Gas 1000 ML
Oil 1000 ML
Mud 2000 ML
Water - ML
Other - ML
Pressure 1600 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 8000 ppm.
Resistivity .48 ohms @ 70 F
Viscosity 41
Mud Weight 9.1
Filtrate 8.8
Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity 39 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12947

Test Ticket

Well Name & No.	<u>Arlic #18-1</u>	Test No.	<u>2</u>	Date	<u>4-9-00</u>
Company	<u>Comanche Resources Company</u>	Zone Tested	<u>Miss</u>		
Address	<u>9520 N. May, Suite 370 Oklahoma City, OK 73120</u>	Elevation	<u>2130</u>	KB	<u>2119</u> GL
Co. Rep / Geo.	<u>Dale Padgett</u>	Cont.	<u>H-40 Only rig 3</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>18</u>	Twp.	<u>31^S</u>	Rge.	<u>19^W</u> Co. <u>Comanche</u> State <u>Ks</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)	<u>-</u>	Turnkey (Y, N)	<u>-</u> Evaluation (Y, N) <u>-</u>

Interval Tested	<u>5095-5136</u>	Initial Str Wt./Lbs.	<u>110000</u>	Unseated Str Wt./Lbs.	<u>110000</u>
Anchor Length	<u>41</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>130000</u>
Top Packer Depth	<u>5090</u>	Tool Weight	<u>2800</u>		
Bottom Packer Depth	<u>5095</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>5136</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>594</u>
Mud Wt.	<u>9.1</u> LCM <u>-</u> Vis. <u>41</u> WL <u>8.8</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4494</u>
Blow Description	<u>IFP - STRONG BLOW THROUGHOUT</u> <u>FFP - GAS TO SURFACE, TO WEAK TO GAUGE</u> <u>GAS SURFACED 5 min into INITIAL SHUT-IN</u>				

Recovery — Total Feet	<u>245</u>	GIP	<u>-</u>	Ft. in DC	<u>245</u>	Ft. in DP	<u>-</u>
Rec.	<u>65</u>	Feet Of	<u>50 x 6 CM</u>	<u>2</u> %gas <u>3</u> %oil		%water <u>95</u> %mud	
Rec.	<u>180</u>	Feet Of	<u>H 0 x 6 CM</u>	<u>25</u> %gas <u>25</u> %oil		%water <u>50</u> %mud	
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>118</u>	°F Gravity	<u>39</u>	°API D@	<u>60</u>	°F Corrected Gravity	<u>39</u> °API
RW	<u>-</u>	@	<u>-</u>	°F Chlorides	<u>-</u>	ppm Recovery	Chlorides <u>8000</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2424</u>	<u>2471</u>	PSI Recorder No.	<u>3027</u>	T-On Location <u>1930</u>
(B) First Initial Flow Pressure	<u>66</u>	<u>43</u>	PSI (depth)	<u>5098</u>	T-Started <u>2048</u>
(C) First Final Flow Pressure	<u>77</u>	<u>71</u>	PSI Recorder No.	<u>11085</u>	T-Open <u>0015</u>
(D) Initial Shut-In Pressure	<u>1722</u>	<u>1737</u>	PSI (depth)	<u>5007</u>	T-Pulled <u>0445</u>
(E) Second Initial Flow Pressure	<u>88</u>	<u>46</u>	PSI Recorder No.	<u>-</u>	T-Out <u>0838</u>
(F) Second Final Flow Pressure	<u>121</u>	<u>109</u>	PSI (depth)	<u>-</u>	T-Off Location <u>1000</u>
(G) Final Shut-in Pressure	<u>1755</u>	<u>1748</u>	PSI Initial Opening	<u>30</u>	Test ☒
(Q) Final Hydrostatic Mud	<u>2424</u>	<u>2428</u>	PSI Initial Shut-in	<u>60</u>	Jars ☒
			Final Flow	<u>60</u>	Safety Joint ☒
			Final Shut-in	<u>120</u>	Straddle <u>-</u>
					Circ. Sub <u>-</u>
					Sampler ☒
					Extra Packer <u>-</u>
					Elec. Rec. ☒
					Mileage <u>-</u>
					Other <u>-</u>
					TOTAL PRICE \$ <u>-</u>

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 Dale Padgett

Our Representative RAY SCHWAGER Thank you