

RELEASED

MAR 28 2001

ORIGINAL

FROM CONFIDENTIAL

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MAR 06 2000

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Well Name: Clawson Trust #1-20
Company: QuinQue Operating Company
Location: 20-32s-18w
Meade county Kansas
Date: 11-23-99
APR 15 15:119.21010.0000

RECEIVED
STATE CORPORATION COMMISSION

MAR 7 - 2000

CONSERVATION DIVISION
Wichita, Kansas

60-52-28W

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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Quinque Operating Co.

DATE 11-21-99

WELL NAME: Clawson Trust #1-20

KB 2903.00 ft

TICKET NO: 11998

DST #1

LOCATION : 20-32S-38W Meade co KS

GR 2495.00 ft

FORMATION: Morrow

INTERVAL : 5415.00 To 5486.00 ft

TD 5486.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 10 Rec.	13339	13339	3024			PF Fr. 0858 to 0908 hr
SI 30 Range(Psi)	4024.0	4024.0	4995.0	0.0	0.0	IS Fr. 0908 to 0938 hr
SF 60 Clock(hrs)	12 HR	12	ALP			SF Fr. 0938 to 1038 hr
FS 90 Depth(ft)	5442.0	5442.0	5417.0	0.0	0.0	FS Fr. 1038 to 1208 hr

	Field	1	2	3	4	
A. Init Hydro	2662.0	2690.0	2678.0	0.0	0.0	T STARTED 0657 hr
B. First Flow	104.0	117.0	48.0	0.0	0.0	T ON BOTM 0856 hr
B1. Final Flow	104.0	117.0	77.0	0.0	0.0	T OPEN 0858 hr
C. In Shut-in	1752.0	1767.0	1822.0	0.0	0.0	T PULLED 1208 hr
D. Init Flow	83.0	91.0	61.0	0.0	0.0	T OUT 1430 hr
E. Final Flow	83.0	91.0	76.0	0.0	0.0	
F. Fl Shut-in	1822.0	1845.0	1877.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2573.0	2600.0	2655.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 82000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 235.00 ft
						D.P. Length 5184.00 ft

RECOVERY

Tot Fluid 210.00 ft of 210.00 ft in DC and 0.00 ft in DP
 210.00 ft of Slight gassy mud 5%gas 95%mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 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 0.00

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BLOW DESCRIPTION

Initial Flow:

Fair to strong blow off bottom in
 3 mins.

Initial Shut-in:

Gas to surface while bleeding off
 blow no return blow

Final Flow:

Strong blow - gauged 80"/water on 1"
 orifice = 231 mcf/d

Final Shut-in:

No return blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	47.00 S/L
W.L.	10.40 in3
F.C.	0.00 in

Mud Drop N

Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 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	Rod Steinbrink
Co. Rep.	Gary Wilkens
Contr.	Abercrombie
Rig #	4
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

CONFIDENTIAL

COMPANY: Quinque Operating Co.

DATE: 11-21-99

WELL NAME: Clawson Trust #1-20

KB Elev: 2903.00 ft TICKET #11998 DST #1

WELL LOCATION: 20-32S-38W Meade co KS

GR Elev: 2495.00 ft FORMATION: Morrow

INTERVAL Fr.: 5415.00 To 5486.00 T.D.: 5486.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH 2" Merla Gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.00	0	70	216000.0
20	1.00	0	70	216000.0
30	1.00	0	68	213000.0
40	1.00	0	74	224000.0
50	1.00	0	76	225000.0
60	1.00	0	80	231000.0

OK
CIS 80
11/23/99

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Clawson Trust #1-20

LOCATION : 20-32S-38W Meade co KS

TICKET No. 11998 D.S.T. No. 1 DATE 11-21-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 40

BOTTOM PACKERS AND ANCHOR

TOTAL TOOL 67

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 98

D.C. ABOVE TOOLS.Stands4 Single Total 235

D.P. ABOVE TOOLS.Stands83 Single 1 Total 5184

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5517

TOTAL DEPTH 5486

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

Sampler Data;

Gas; 4000 ml

Oil;

Wtr;

Mud;

Total Volume; 4000 ml

Pressure; 75# psi

P.O. SUB 1' Above 120' DC 5265

C.O. SUB 1' 5385

S.I. TOOL 5' 5391

3' Sampler 5394

HMV 5' 5399

JARS 5' 5404

SAFETY JOINT 2' 5406

PACKER 4' 5410

PACKER 5' 5415

DEPTH

STUBB 1' 5416

ANCHOR

ALP Rec. @ 5417

AK-1 Rec. @ 5442

32' Perf 5448

1' c/o sub 5449

31' DP 5480

1' c/o sub 5481

T.C.

DEPTH

BULLNOSE 5'

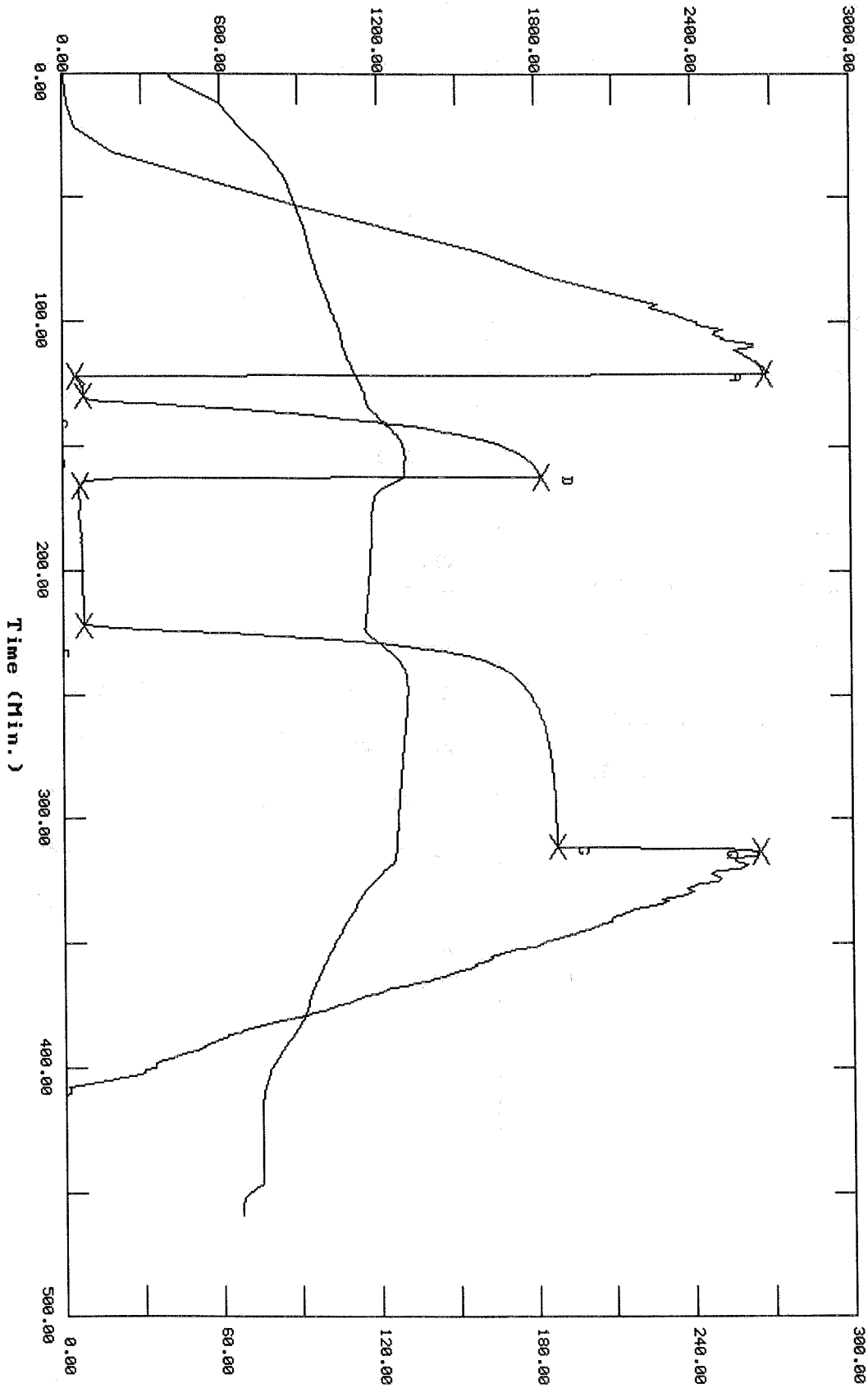
T.D. 5486

TEST HISTORY

11998 DST #1 Clawson Trust #1-20 Quinque Oper.

Flag Points
t(Min.) P(PSig)

R:	0.00	2676.69
B:	0.00	48.13
C:	8.00	77.21
D:	32.00	1822.00
E:	0.00	51.85
F:	56.00	76.19
G:	89.00	1877.32
A:	0.00	2655.32

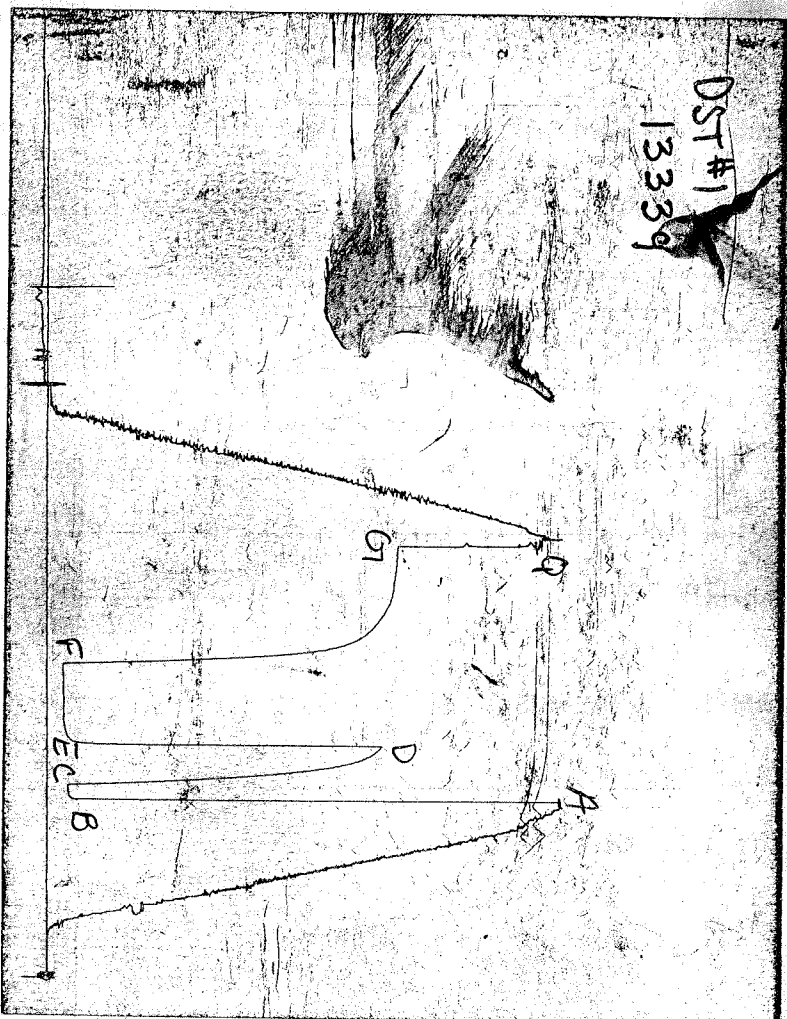


Pressure (PSig)

Temperature (DEG F)

Time (Min.)

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. 11998 Date 11-21-99
Company Name Quinque Dper. Co. Cont. Abercrombie #4
Lease Clawson Trust #1-20 Test No. #1 Morrow
County Meade KS Sec. 20 Twp. 32S Rng. 38W

SAMPLER RECOVERY

Gas 4,000 ML
Oil _____ ML
Mud _____ ML
Water _____ ML
Other _____ ML
Pressure 75# PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 2,400 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 47
Mud Weight 9.1
Filtrate 10.4
Other LCM 1# / bbl.

SAMPLER ANALYSIS

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

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.



GAS VOLUME REPORT

Clawson Trust #1-20

DST N

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 11998

Test Ticket

Well Name & No. Clawson Trust #1-20 Test No. 1 Date 11-21-99
Company Quinque Operating Company Zone Tested Morrow
Address P.O. Box 2738 Liberal KS. 67905-2738 Elevation 2503 KB 2495 GL
Co. Rep / Geo. Gary Wilkins Cont. Abercrombie #4 Est. Ft. of Pay Por. %
Location: Sec. 20 Twp. 32^S Rge. 38^W Co. Meade State KS
No. of Copies 7 Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 5415 - 5486 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 82,000
Anchor Length 71' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 95,000
Top Packer Depth 5410 Tool Weight 2,000
Bottom Packer Depth 5415 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 5486 Wt. Pipe Run Drill Collar Run 235' (4)
Mud Wt. 9.1 LCM # 1 Vis. 47 WL 10.4 Drill Pipe Size 4 1/2" XH Ft. Run 5184' (83)
Blow Description IF: Fair to strong blow off btm in 3 mins
ISI: GTS while bleeding off blow - no return blow
FF: Strong blow gauged 80" wtr on 1" orifice = 231 mcF/d
FSI: No return blow

Recovery — Total Feet 210' GIP GTS - ISI Ft. in DC Ft. in DP
Rec. Feet Of %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud
Rec. 210' Feet Of SGM 5 %gas %oil %water 95 %mud
Rec. Feet Of %gas %oil %water %mud
Rec. Feet Of %gas %oil %water %mud
BHT 130° °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 2,400 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2662	2678	PSI	Recorder No. <u>3024</u>	T-On Location	<u>0615</u>
(B) First Initial Flow Pressure	104	48	PSI	(depth) <u>5417</u>	T-Started	<u>0657</u>
(C) First Final Flow Pressure	104	77	PSI	Recorder No. <u>13339</u>	T-Open	<u>0858</u>
(D) Initial Shut-In Pressure	1752	1822	PSI	(depth) <u>5442</u>	T-Pulled	<u>1208</u>
(E) Second Initial Flow Pressure	83	61	PSI	Recorder No. <u> </u>	T-Out	<u>1430</u>
(F) Second Final Flow Pressure	83	76	PSI	(depth) <u> </u>	T-Off Location	<u>1530</u>
(G) Final Shut-in Pressure	1822	1877	PSI	Initial Opening <u>10</u>	Test	<u> </u>
(Q) Final Hydrostatic Mud	2573	2655	PSI	Initial Shut-in <u>30</u>	Jars	<u>X</u>
				Final Flow <u>60</u>	Safety Joint	<u>X</u>
				Final Shut-in <u>90</u>	Straddle	<u> </u>

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Approved By [Signature]
Our Representative Rod Steinbrink

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