15-067-21454 27-30s-38w

TRILOBITE TESTING L.L.C.

OPERATOR : Zinkey & Trumbo DATE 10-5-99
WELL NAME: Parr #1-27 KB 3148.00 ft TICKET NO: 12185 DST #1
LOCATION : 27-30S-38W Grant co KS GR 3143.00 ft FORMATION: Upper Morrow
INTERVAL : 5225.00 To 5367.00 ft TD 5367.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	10993	10993	3030		
SI 60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF 60	Clock(hrs)	12HR.	12HR.	Elet.		
FS 120	Depth(ft)	5264.0	5264.0	5229.0	0.0	0.0

TIME DATA----------
PF Fr. 1933 to 2003 hr
IS Fr. 2003 to 2103 hr
SF Fr. 2103 to 2203 hr
FS Fr. 2203 to 0003 hr

	Field	1	2	3	4
A. Init Hydro	2718.0	2722.0	2691.0	0.0	0.0
B. First Flow	920.0	922.0	804.0	0.0	0.0
B1. Final Flow	952.0	942.0	872.0	0.0	0.0
C. In Shut-in	1017.0	1022.0	972.0	0.0	0.0
D. Init Flow	974.0	977.0	852.0	0.0	0.0
E. Final Flow	984.0	984.0	904.0	0.0	0.0
F. Fl Shut-in	995.0	1006.0	975.0	0.0	0.0
G. Final Hydro	2686.0	2705.0	2563.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1715 hr
T ON BOTM 1931 hr
T OPEN 1933 hr
T PULLED 0003 hr
T OUT hr

TOOL DATA----------

Tool Wt.	1800.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	90000.00 lbs
Initial Str Wt	50000.00 lbs
Unseated Str Wt	51000.00 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	0.00 ft
D.P. Length	5334.00 ft

RECOVERY
Tot Fluid 1.00 ft of 0.00 ft in DC and 1.00 ft in DP
1.00 ft of Drilling 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

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	47.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	N

BLOW DESCRIPTION
Initial Flow:
Strong blow bottom of bucket
in 1 min. gas to surface in 5 mins.
18 mins. misting mud MCF at 5543
Final Flow:
Strong blow bottom of bucket as soon
as open tool gas MCF at 4946

Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 F
Hole Condition	Good
% Porosity	15.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Mike Colantonio
Co. Rep.	Ken LeBlanc
Contr.	Val Energy
Rig #	1
Unit #	
Pump T.	

SAMPLES: Yes 1
SENT TO:Caraway Lab Liberal.

Test Successful: Y

NATURAL GAS ANALYSIS REPORT

Sampled by:	Analyzed by:
Trilobite Testing, L. L. C.	Caraway Analytical, Inc
Hays, Kansas	P. O. Box 2137
Scott City, Kansas	Liberal, Kansas 67905
Phone: 800-728-5369	Phone: 316-624-5389
Fax: 913-625-5620	Fax: 316-626-7108

Lab Number:	995462	Analyzed:	10/11/99
Sample From:	Parr 1-27 DST 1	Pressure:	
Producer:	Zinke & Trumbo	Temperature:	
Date:		Location:	27-30-38
Time:		County:	Grant
Sampler:	Mike Colontonio	State:	Kansas
Source:		Formation:	U. Morr.

		Mole %	GPM
Helium	He:	0.351	0.000
Hydrogen	H2:	0.002	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	17.403	0.000
Carbon Dioxide	CO2:	0.222	0.000
Methane	C1:	74.428	0.000
Ethane	C2:	4.106	1.098
Propane	C3:	2.313	0.637
Iso Butane	iC4:	0.245	0.080
Normal Butane	nC4:	0.453	0.143
Iso Pentane	iC5:	0.121	0.044
Normal Pentane	nC5:	0.124	0.045
Hexanes Plus	C6+:	0.232	0.101
	TOTAL:	100.000	2.149
	Z Fact:	0.9980	
	SP.GR.:	0.6915	
	BTU (SAT):	914.8 @ 14.73 psia	
	BTU (DRY):	931.0 @ 14.73 psia	
	OCTANE RATING:	104.1	

COMMENTS: 0.000

GAS RECOVERY

COMPANY: Zinkey & Trumbo
WELL NAME: Parr #1-27
WELL LOCATION: 27-30S-38W
INTERVAL Fr.: 5225.00 To 5367.00 T.D.: 5367.00 ft

DATE: 10-5-99
KB Elev: 3148.00 ft TICKET #12185 DST #1
GR Elev: 3143.00 ft FORMATION: Upper Morrow
TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Data

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.50	25	0	2258000.0
10	1.50	33	0	2737000.0
15	1.50	47	0	3573000.0
20	1.50	62	0	4468000.0
25	1.50	74	0	5185000.0
30	1.50	80	0	5543000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.50	18	0	1824000.0
10	1.50	45	0	3454000.0
15	1.50	50	0	3752000.0
20	1.50	70	0	4946000.0
30	1.50	70	0	4946000.0
40	1.50	70	0	4964000.0
50	1.50	70	0	4964000.0
60	1.50	70	0	4964000.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Parr #1-27

LOCATION : 27-30S-38W

TICKET No. 12185 D.S.T. No. 1 DATE 10-5-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 20

OTAL TOOL 50

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands 2 Single Total 122

OTAL ASSEMBLY 172

.C. ABOVE TOOLS.Stands Single Total

.P. ABOVE TOOLS.Stands81 Single Total 5212

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5384

OTAL DEPTH 5367

OTAL DRILL PIPE ABOVE K.B. 17ft

MARKS:

SAMPLER DATA

.2 Cubic Ft Gas

0Ml Mud

00ml Total

0 PSI.

P.O. SUB Top tool 5199
C.O. SUB 1ft 5200
S.I. TOOL Sterling 5205
3ft Sampler 5208
HMV Sterling 5213
JARS Sterling 5218
SAFETY JOINT Bowens 5219
PACKER 5ft 5520
PACKER 5ft 5525
DEPTH
STUBB 1ft 5526
ANCHOR
3ft Perf 5229
Alpine rec. 5229
T.C.
DEPTH
5ft P U Sub 5234
5ft Perf 5239
BULLNOSE 124ft Pipe Subs 5363
T.D. 4ft & AK-1 Rec @ 5367

TEST HISTORY

12185 DST #1 Parr #1-27 Zinkey & Trumbo

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2691.95
B:	0.00	804.66
C:	27.25	872.79
D:	61.50	972.83
E:	0.00	852.58
F:	59.25	904.07
G:	117.75	975.14
Q:	0.00	2563.79

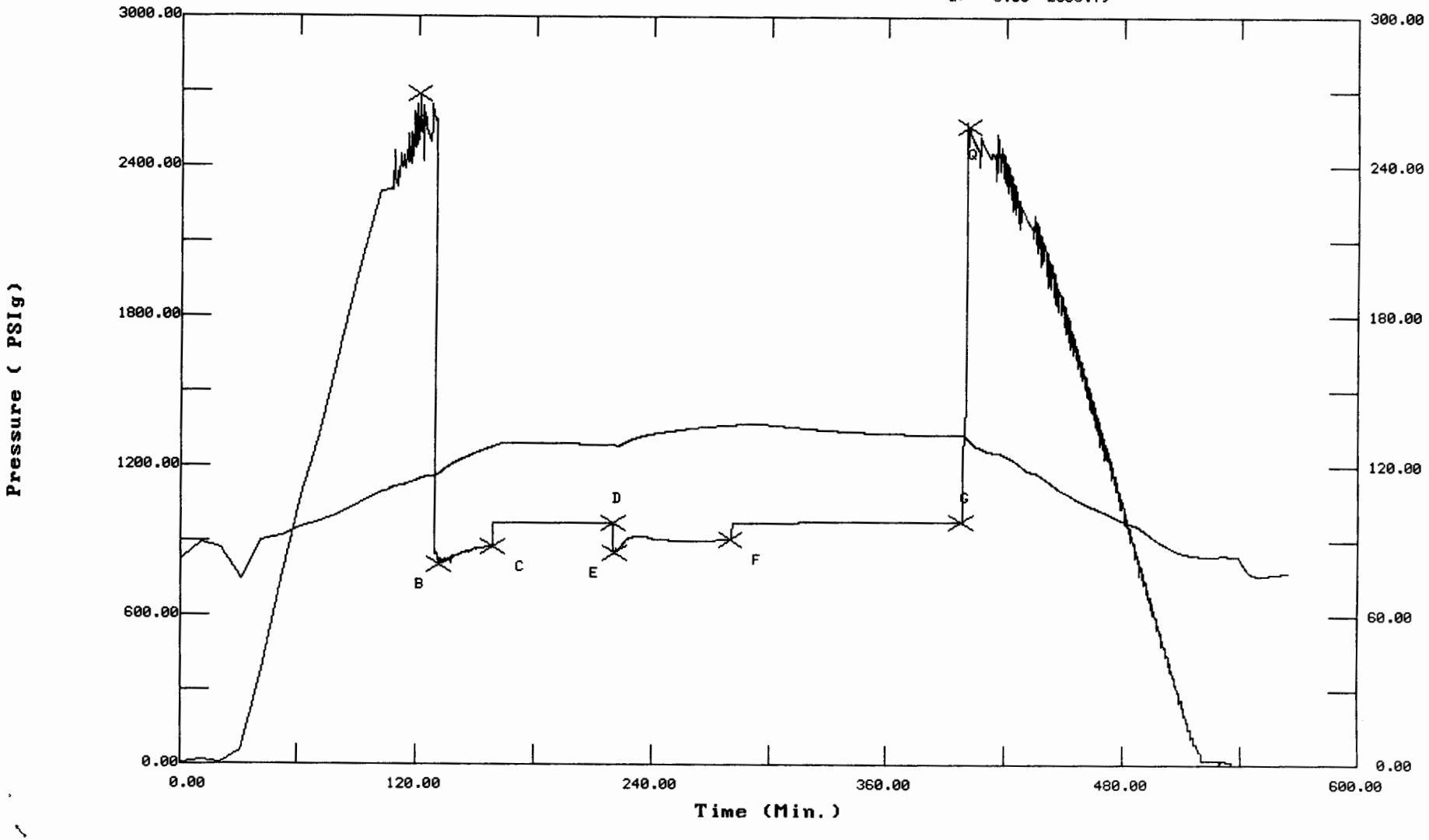
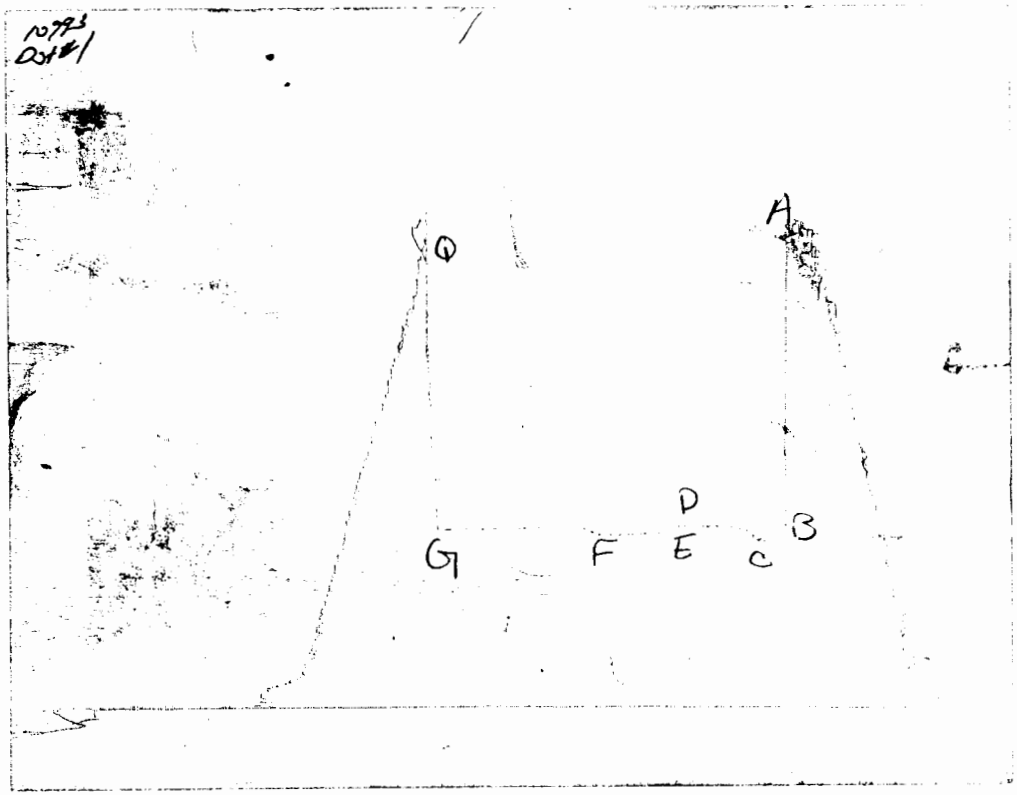


CHART PAGE



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

TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Linky Trump Co — OPERATOR

Parr #1-27 — WELL NAME AND NO.

DST #1 — DST NO.

GTS 5 min

2nd opening

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5	25	1.5	2258	5	18	1.5	1804
10	33	1.5	2737	10	45	1.5	3454
15	47	1.5	3573	15	50	1.5	3752
20	62	1.5	4468	20	70	1.5	4946
25	74	1.5	5185	25	70	1.5	4946
30	80	1.5	5543	30	70	1.5	4946
				35	70	1.5	4946
				40	70	1.5	4946
				45	70	1.5	4946
				50	70	1.5	4946
				55	70	1.5	4946
				60	70	1.5	4946

Remarks: GAS Will Burn.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 Nº 12185

Test Ticket

Well Name & No. PARA #1-27 Test No. #1 Date 10-15-99

Company Zinkel & Trumbo Zone Tested Upper Morrow

Address Tulsa Okl. Elevation 3148 KB 3163 GL

Co. Rep / Geo. Ken LaBlanc Cont. Val Energy Rig #1 Est. Ft. of Pay 7 Por. 15 %

Location: Sec. 27 Twp. 30S Rge. 38W Co. Grant State KS

No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5225 - 5367 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 51,000

Anchor Length 142' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 90,000

Top Packer Depth 5220 Tool Weight 1500

Bottom Packer Depth 5225 Hole Size — 7 7/8" X Rubber Size — 6 3/4" X

Total Depth 5367 Wt. Pipe Run — Drill Collar Run —

Mud Wt. 9.2 LCM 3# Vis. 47 WL 8.0 Drill Pipe Size 4.5 X-H Ft. Run 5334 86 stds

Blow Description Strong Blow B.O.B 1 min GTS 5 min 18 min Misting Mud MCF@ 55#3

Strong Blow B.O.B 30 sec as open Tool Gas MCF@ 4946

Recovery — Total Feet 1 GIP _____ Ft. in DC _____ Ft. in DP 1

Rec. 1 Feet Of Oily Mud %gas %oil %water 100 %mud

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 123 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2718	2691	PSI	Recorder No.	3030	T-On Location 3:30pm
(B) First Initial Flow Pressure	930	804	PSI	(depth)	5209	T-Started 5:15pm
(C) First Final Flow Pressure	952	872	PSI	Recorder No.	10993	T-Open 7:33pm
(D) Initial Shut-In Pressure	1017	972	PSI	(depth)	5264	T-Pulled 12:03am
(E) Second Initial Flow Pressure	974	852	PSI	Recorder No.		T-Out 3:00Am
(F) Second Final Flow Pressure	984	904	PSI	(depth)		T-Off Location
(G) Final Shut-in Pressure	995	915	PSI	Initial Opening	30 min	Test Comes from 1,800
(Q) Final Hydrostatic Mud	2686	2563	PSI	Initial Shut-in	60 min	Jars ✓ 200
				Final Flow	60 min	Safety Joint ✓ 50
				Final Shut-in	120 min	Straddle _____
						Circ. Sub ✓ N/C
						Sampler ✓ 280
						Extra Packer _____
						Elec. Rec. ✓ 150
						Mileage _____
						Other _____
						TOTAL PRICE $ 1400

Approved By Ken LaBlanc

Our Representative Mike Coleman