

WELL NAME

Fark (L) #1-1

COMPANY

Southwind Pet., Co.

LOCATION

1-28s-18w

Kiowa co Kansas

DATE

1/11/01

TRILOBITE TESTING L.L.C.

OPERATOR : Southwind Pet, Co.

DATE 01/01/200

WELL NAME: Fark(L)#1-1

KB 2209.00 ft

TICKET NO: 13270

DST #1

LOCATION : 1-28s-18w Kiowa co KS

GR 2198.00 ft

FORMATION: Howard

INTERVAL : 3501.00 To 3536.00 ft

TD 3536.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1555 to 1625 hr
SI 45 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1625 to 1710 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1710 to 1755 hr
FS 60 Depth(ft)	3533.0	3533.0	3507.0	0.0	0.0	FS Fr. 1755 to 1855 hr

	Field	1	2	3	4	
A. Init Hydro	1650.0	0.0	1584.0	0.0	0.0	T STARTED 1241 hr
B. First Flow	96.0	0.0	39.0	0.0	0.0	T ON BOTM 1552 hr
B1. Final Flow	96.0	0.0	56.0	0.0	0.0	T OPEN 1555 hr
C. In Shut-in	1162.0	0.0	1134.0	0.0	0.0	T PULLED 1855 hr
D. Init Flow	106.0	0.0	52.0	0.0	0.0	T OUT 2100 hr
E. Final Flow	106.0	0.0	86.0	0.0	0.0	
F. Fl Shut-in	1183.0	0.0	1123.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1660.0	0.0	1535.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 48000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 234.41 ft
						D.P. Length 3249.59 ft

RECOVERY

Tot Fluid 235.00 ft of 235.00 ft in DC and 0.00 ft in DP
 3249.00 ft of Gas in pipe
 235.00 ft of Very slightly gas cut mud
 0.00 ft of 4% gas 96% 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

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

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in 30 seconds.

Initial Shut-In:

Bled down for 10 minutes. Built back to 1/2" in diesel bucket.

Final Flow:

Strong blow bottom bo bucket in 15 seconds. Gas to surface. Gauge gas.

Final Shut-In:

Bled down for 15 minutes. No blow back.

SAMPLES: Caraway Analytical 728 N.Roosevelt

SENT TO: Liberal, Kansas. 67901

MUD DATA-----

Mud Type Chemical
 Weight 8.70 lb/cf
 Vis. 48.00 S/L
 W.L. 9.60 in3
 F.C. 0.32 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 122.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 n
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Darren L. Amerine
 Co. Rep. Willis Nigh
 Contr. Duke
 Rig # 1
 Unit # none
 Pump T. none

Test Successful: Y

GAS RECOVERY

COMPANY: Southwind Pet, Co.

DATE: 01/01/200

WELL NAME: Fark(L)#1-1

KB Elev: 2209.00 ft TICKET #13270 DST #1

WELL LOCATION: 1-28s-18w Kiowa co KS

GR Elev: 2198.00 ft FORMATION: Howard

INTERVAL Fr.: 3501.00 To 3536.00 T.D.: 3536.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	12	0	34000.0
20	0.25	10	0	30800.0
30	0.25	9	0	29000.0
40	0.25	8	0	27000.0
45	0.25	8	0	27000.0

[illegible]

REMARKS :

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number: 20010007

Analyzed: 01/03/01

Sample From: Fark (L) 1-1 DST 1
Producer: Southwind Petroleum Corp.

Pressure:
Temperature:

Date: Location: 1-28-18

Time:
Sampler:
Source:

County: Kiowa
State: Kansas
Formation: Howard

	Mole %	GPM
Helium	He: 0.620	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 30.145	0.000
Carbon Dioxide	CO2: 0.034	0.000
Methane	C1: 64.237	0.000
Ethane	C2: 2.175	0.582
Propane	C3: 1.177	0.324
Iso Butane	iC4: 0.233	0.076
Normal Butane	nC4: 0.442	0.139
Iso Pentane	iC5: 0.181	0.066
Normal Pentane	nC5: 0.199	0.072
Hexanes Plus	C6+: 0.557	0.243

TOTAL: 100.000 1.503

Z Fact: 0.9984

SP.GR.: 0.7317

BTU (SAT): 772.1 @ 14.73 psia
BTU (DRY): 785.7 @ 14.73 psia
OCTANE RATING: 87.9

COMMENTS:

0.000

TK#13270 DST#1Fark(L)#1-1 Southwind Pet., Co.

TEST HISTORY

Flag Points
t(Min.) P(PSig)

A:	0.00	1584.80
B:	0.00	39.19
C:	28.00	56.31
D:	46.33	1133.60
E:	0.00	52.28
F:	41.33	85.85
G:	65.67	1123.70
H:	0.00	1535.62

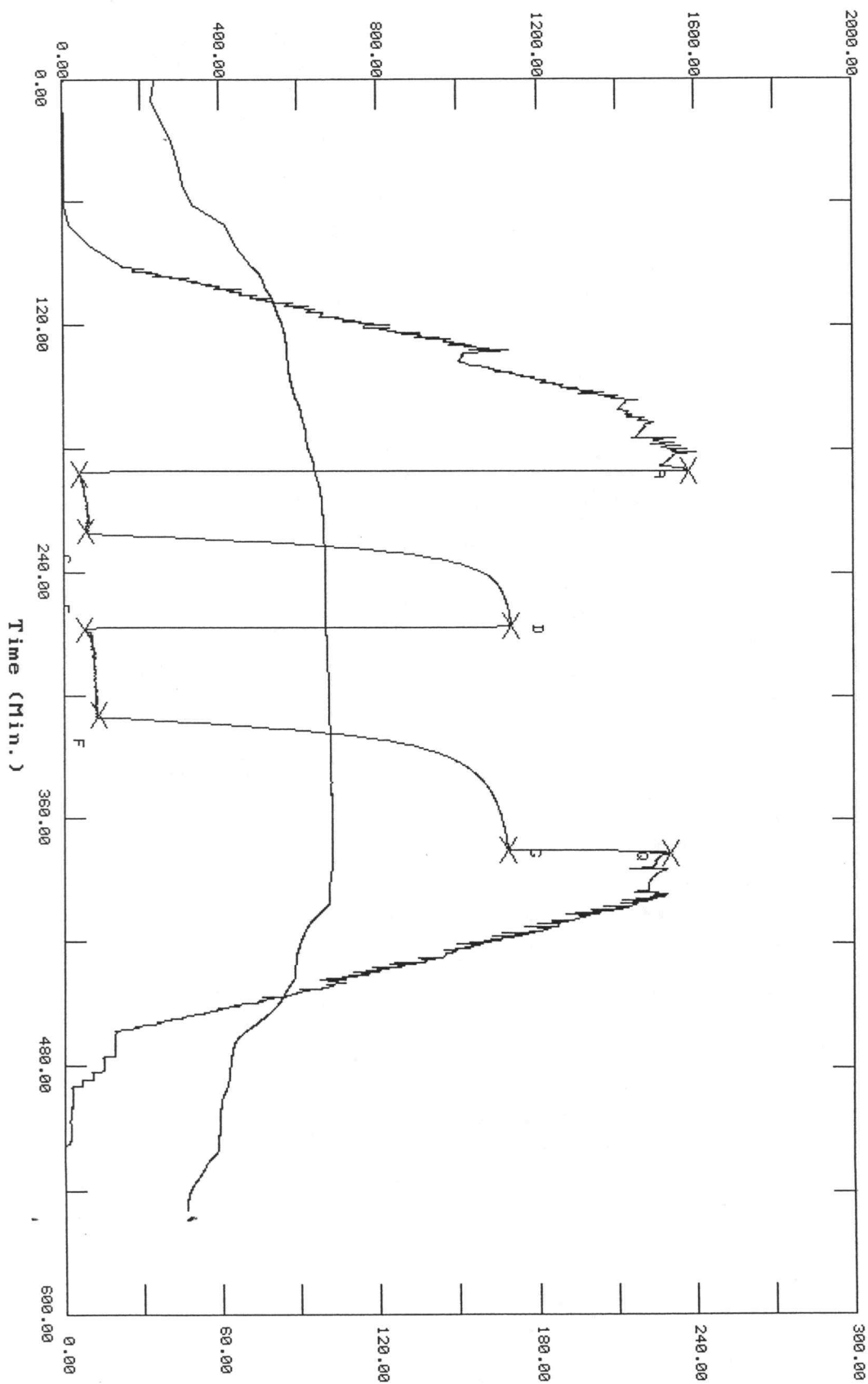
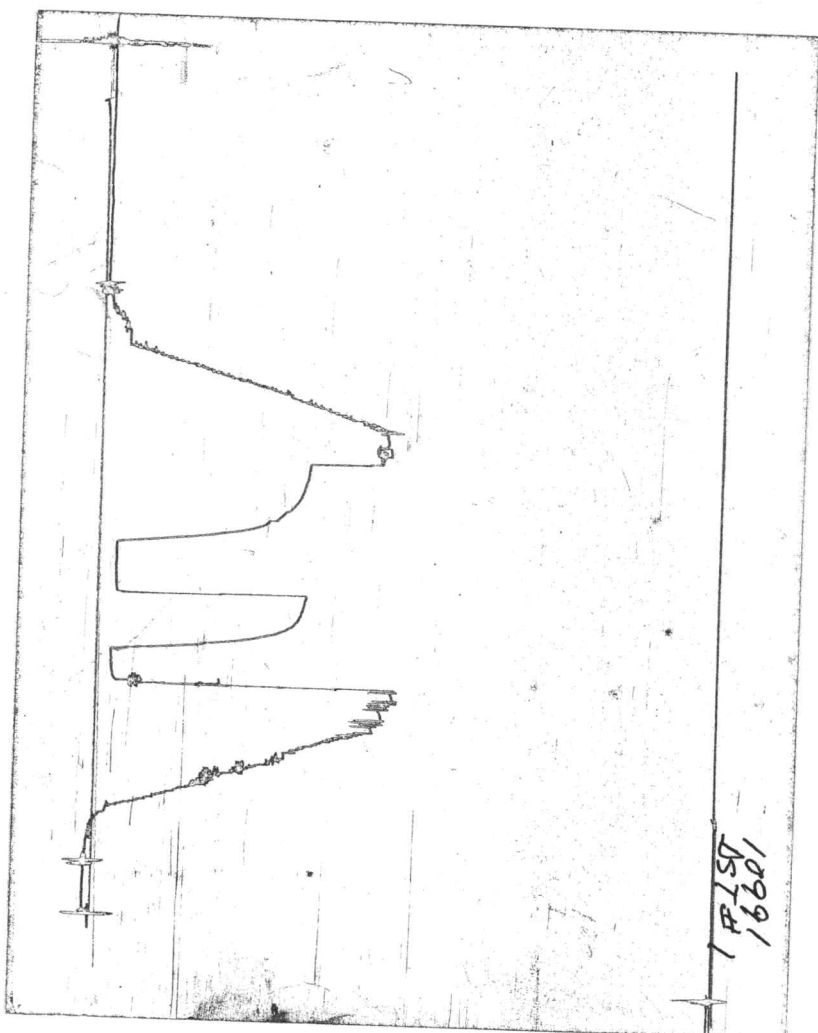


CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Southwind Pet., Co.

DATE 1-3-01

WELL NAME: Fark (L) #1-1

KB 2209.00 ft

TICKET NO: 13271 DST #2

LOCATION : 1-28s-18w Kiowa co KS

GR 2198.00 ft

FORMATION: Lansing (A)

INTERVAL : 4180.00 To 4202.00 ft

TD 4202.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991				PF Fr. 1450 to 1520 hr
SI 60 Range(Psi)	4200.0	4200.0	0.0	0.0	0.0	IS Fr. 1520 to 1620 hr
SF 30 Clock(hrs)	12	12				SF Fr. 1620 to 1650 hr
FS 60 Depth(ft)	4199.0	4199.0	0.0	0.0	0.0	FS Fr. 1650 to 1750 hr

	Field	1	2	3	4	
A. Init Hydro	2092.0	2068.0	0.0	0.0	0.0	T STARTED 1230 hr
B. First Flow	192.0	197.0	0.0	0.0	0.0	T ON BOTM 1445 hr
Bl. Final Flow	192.0	167.0	0.0	0.0	0.0	T OPEN 1450 hr
C. In Shut-in	596.0	589.0	0.0	0.0	0.0	T PULLED 1750 hr
D. Init Flow	160.0	157.0	0.0	0.0	0.0	T OUT 1945 hr
E. Final Flow	160.0	138.0	0.0	0.0	0.0	
F. Fl Shut-in	511.0	510.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2103.0	2097.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	I	I				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 40000.00 lbs
						Unseated Str Wt 40000.00 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 4156.00 ft

RECOVERY

Tot Fluid 160.00 ft of 0.00 ft in DC and 160.00 ft in DP
 3986.00 ft of Gas in pipe
 40.00 ft of Slightly gas cut mud
 0.00 ft of 10% gas 90% mud
 60.00 ft of Gas & water cut mud
 0.00 ft of 20% gas 10% water 70% mud
 60.00 ft of Very slightly mud & gas cut water
 0.00 ft of 13% gas 85% water 2% mud
 0.00 ft of
 SALINITY 55000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 30 seconds. Gas to surface in 4 minutes
 Initial Shut-In:
 Bled down for 15 minutes. Built back to 1" in diesel bucket
 Final Flow:
 Strong blow bottom of bucket in 15 seconds. Gauge gas.
 Final Shut-In:
 Bled down for 15 minutes. No blow back.

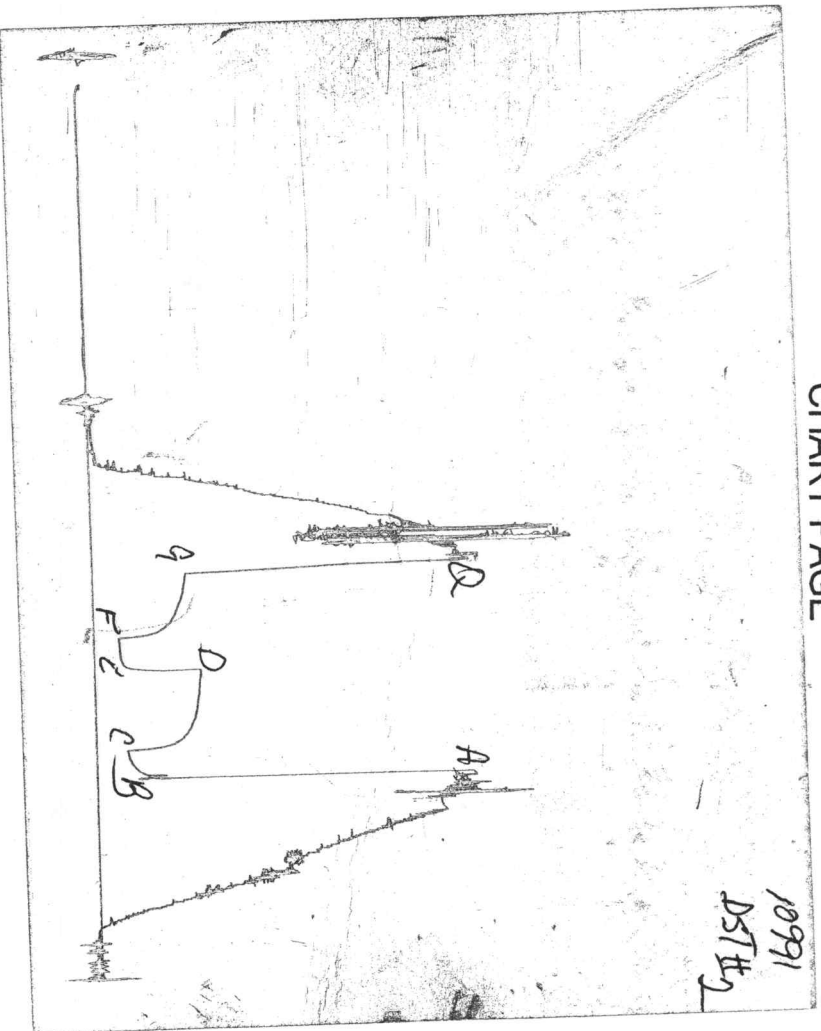
SAMPLES:

SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.20 lb/cf
 Vis. 44.00 S/L
 W.L. 12.80 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 121.00 F
 Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased
 Tester Darren Amerine
 Co. Rep. Willis Nigh
 Contr. Duke
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Southwind Pet., Co.

DATE 1-4-01

WELL NAME: Fark (L) #1-1

KB 2209.00 ft

TICKET NO: 13272 DST #3

LOCATION : 1-28s-18w Kiowa co KS

GR 2198.00 ft

FORMATION: Lansing (B)

INTERVAL : 4214.00 To 4237.00 ft

TD 4237.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991				PF Fr. 1130 to 1200 hr
SI 60 Range(Psi)	4200.0	4200.0	0.0	0.0	0.0	IS Fr. 1200 to 1300 hr
SF 45 Clock(hrs)	12	12				SF Fr. 1300 to 1345 hr
FS 90 Depth(ft)	4234.0	4234.0	0.0	0.0	0.0	FS Fr. 1345 to 1515 hr

	Field	1	2	3	4	
A. Init Hydro	2092.0	2046.0	0.0	0.0	0.0	T STARTED 0915 hr
B. First Flow	75.0	78.0	0.0	0.0	0.0	T ON BOTM 1125 hr
B1. Final Flow	75.0	78.0	0.0	0.0	0.0	T OPEN 1130 hr
C. In Shut-in	138.0	145.0	0.0	0.0	0.0	T PULLED 1515 hr
D. Init Flow	53.0	79.0	0.0	0.0	0.0	T OUT 1800 hr
E. Final Flow	53.0	68.0	0.0	0.0	0.0	
F. Fl Shut-in	298.0	314.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2092.0	2046.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	I	I				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 40000.00 lbs
						Unseated Str Wt 40000.00 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 4189.00 ft

RECOVERY

Tot Fluid 20.00 ft of 0.00 ft in DC and 20.00 ft in DP
 120.00 ft of Gas in pipe
 20.00 ft of Very slightly oil & gas cut mud
 0.00 ft of 10% gas 1% oil 89% 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

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

BLOW DESCRIPTION

Initial Flow:

Fair blow built to 6" in H2O bucket

Initial Shut-In:

Bled down for 15 minutes. Built back to 1/2" in H2O bucket

Final Flow:

Fair blow built to 8" in H2O bucket

Final Shut-In:

Bled down for 5 minutes. No blow back

SAMPLES:

SENT TO:

MUD DATA-----

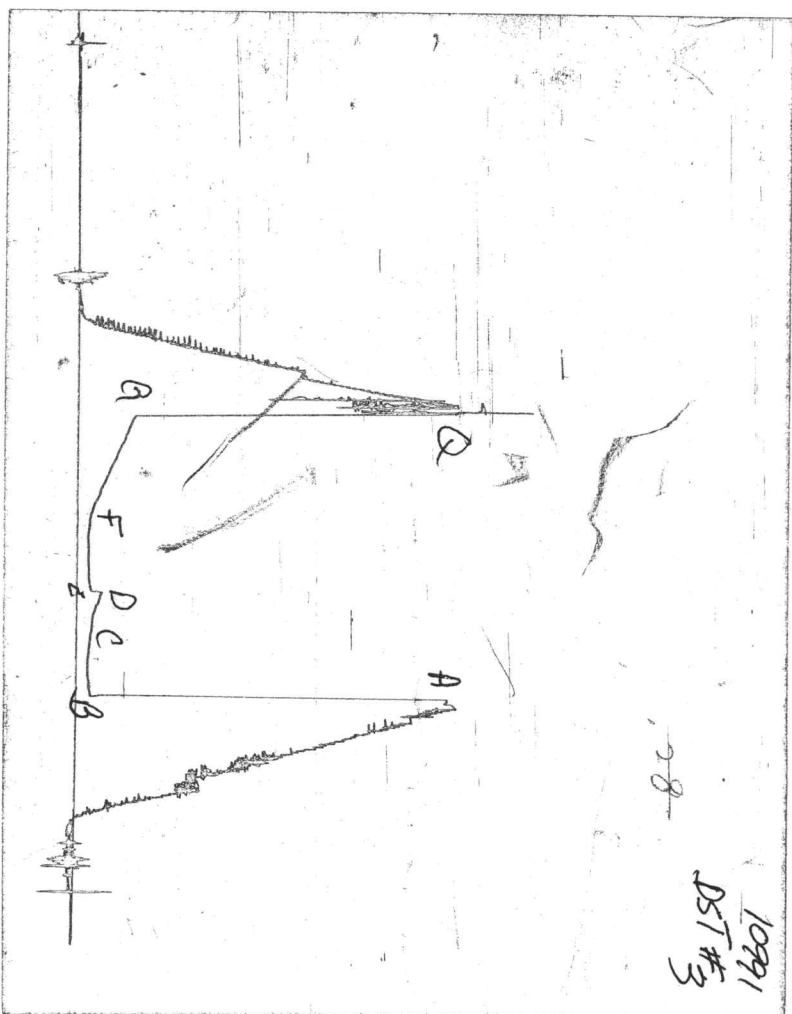
Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	50.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	128.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

Tester	Darren Amerine
Co. Rep.	Willis Nigh
Contr.	Duke
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Southwind Pet., Co.
WELL NAME: Fark(L)#1-1
LOCATION : 1-28s-18w Kiowa co KS
INTERVAL : 4737.00 To 4786.00 ft

DATE 01/06/01
KB 2209.00 ft TICKET NO: 13273 DST #4
GR 2198.00 ft FORMATION: Mississippi
TD 4786.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	10991	10991	2350			PF Fr. 1205 to 1250 hr
SI 60 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1250 to 1350 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1350 to 1450 hr
FS 90 Depth(ft)	4783.0	4783.0	4743.0	0.0	0.0	FS Fr. 1450 to 1620 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2196.0	0.0	0.0	T STARTED 0925 hr
B. First Flow	0.0	0.0	15.0	0.0	0.0	T ON BOTM 1202 hr
Bl. Final Flow	0.0	0.0	38.0	0.0	0.0	T OPEN 1205 hr
C. In Shut-in	0.0	0.0	873.0	0.0	0.0	T PULLED 1620 hr
D. Init Flow	0.0	0.0	27.0	0.0	0.0	T OUT 1800 hr
E. Final Flow	0.0	0.0	48.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	884.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2122.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 45000.00 lbs
						Unseated Str Wt 45000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 4751.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 50.00 ft of 0.00 ft in DC and 50.00 ft in DP
4701.00 ft of Gas in pipe
50.00 ft of Very slightly gas cut mud
0.00 ft of 4% gas 96% mud
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

BLOW DESCRIPTION

Initial Flow:
Fair blow bottom of bucket in 75 seconds. Gas to surface in 20 minutes
Gauge gas
Initial Shut-In:
Bled down for 10 minutes. Built back to bottom of bucket in 20 minutes.
Final Flow:
Strong blow bottom of bucket in 10 seconds. Gauge gas
Final Shut-In:
Bled down for 30 minutes. No blow back.

SAMPLES: Caraway Analytical
SENT TO: Liberal, Kansas. 67901

Test Successful: Y

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 56.00 S/L
W.L. 8.80 in3
F.C. 0.32 in
Mud Drop N
Amt. of fill 0.00 ft
Btm. H. Temp. 122.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00 n
Cushion Type none
Reversed Out N
Tool Chased N
Tester Darren L. Amerine
Co. Rep. Willis Nigh
Contr. Duke
Rig # 1
Unit # none
Pump T. none

GAS RECOVERY

COMPANY: Southwind Pet., Co.

DATE: 01/06/01

WELL NAME: Fark(L)#1-1

KB Elev: 2209.00 ft TICKET #13273 DST #4

WELL LOCATION: 1-28s-18w Kiowa co KS

GR Elev: 2198.00 ft FORMATION: Mississippi

INTERVAL Fr.: 4737.00 To 4786.00 T.D.: 4786.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla gauge

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
25	0.25	6	0	21800.0
30	0.25	9	0	27000.0
35	0.25	11	0	32400.0
40	0.25	12	0	33400.0
45	0.25	12	0	34950.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	12	0	34000.0
20	0.25	15	0	39200.0
30	0.25	16	0	41650.0
40	0.25	18	0	43900.0
50	0.25	19	0	45500.0
60	0.25	20	0	47100.0

WELL NAME: Fark(L) #1-1

TICKET No. 13273 D.S.T. No. 4 DATE 01/06/01

INTERVAL TOOL

TOTAL TOOL 47

D.C. ANCHOR	STND.Stands	Single	Total
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1
5	1	1	1
6	1	1	1
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1
12	1	1	1
13	1	1	1
14	1	1	1
15	1	1	1
16	1	1	1
17	1	1	1
18	1	1	1
19	1	1	1
20	1	1	1
21	1	1	1
22	1	1	1
23	1	1	1
24	1	1	1
25	1	1	1
26	1	1	1
27	1	1	1
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29	1	1	1
30	1	1	1
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32	1	1	1
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39	1	1	1
40	1	1	1
41	1	1	1
42	1	1	1
43	1	1	1
44	1	1	1
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46	1	1	1
47	1	1	1
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49	1	1	1
50	1	1	1
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87	1	1	1
88	1	1	1
89	1	1	1
90	1	1	1
91	1	1	1
92	1	1	1
93	1	1	1
94	1	1	1
95	1	1	1
96	1	1	1
97	1	1	1
98	1	1	1
99	1	1	1
100	1	1	1

D.P. ANCHOR STND.Stands	Single 1	Total 30
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TOTAL ASSEMBLY 77

D.C. ABOVE TOOLS.Stands	Single	Total
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D.P. ABOVE TOOLS.Stands76 Single 1 Total 4721

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4798

TOTAL DEPTH 4786

TOTAL DRILL PIPE ABOVE K.B. 12

REMARKS:

P.O. SUB Top of tool @	4710
C.O. SUB	4711
S.I. TOOL	4716
HMV	4721
JARS	4726
SAFETY JOINT	4728
PACKER	4732
PACKER	4737
DEPTH 4737	
1'to	4738
ANCHOR 15'of perfs.to	4753
Alpine rec. @ 4743	
30'of drillpipe to	4783
Ak-1 rec. @ 4783	
BULLNOSE 3'bullnose to	4786
T.D.	

TK#13273 DST#4 Fark(L)#1-1 Southwind Pet, Co.

TEST HISTORY

Flag Points
t(min.) Pk PSig)

R:	0.00	2196.38
B:	0.00	14.93
C:	44.00	38.35
D:	56.33	872.51
E:	0.00	27.18
F:	61.33	47.75
G:	91.00	884.34
O:	0.00	2121.69

