

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

30-32-18W

OPERATOR : Samuel Gary Jr. & Ass. inc
WELL NAME: Griffith Farms #30-2
LOCATION : 30-32s-18w Comanche co KS
INTERVAL : 5211.00 To 5243.00 ft

DATE 10/09/1994
KB 2131.00 ft TICKET NO: 12317 DST #1
GR 2118.00 ft FORMATION: Miss
TD 5243.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 5 Rec.	10991	10991	3246			PF Fr. 1649 to 1654 hr
SI 45 Range (Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1654 to 1744 hr
SF 60 Clock (hrs)	12hr.	12hr.	elec.			SF Fr. 1744 to 1844 hr
FS 120 Depth (ft)	5240.0	5240.0	5217.0	0.0	0.0	FS Fr. 1844 to 2044 hr

	Field	1	2	3	4	
A. Init Hydro	2523.0	2515.0	2538.0	0.0	0.0	T STARTED 1430 hr
B. First Flow	43.0	58.0	43.0	0.0	0.0	T ON BOTM 1646 hr
B1. Final Flow	42.0	44.0	33.0	0.0	0.0	T OPEN 1649 hr
C. In Shut-in	1300.0	1298.0	1321.0	0.0	0.0	T PULLED 2044 hr
D. Init Flow	21.0	38.0	45.0	0.0	0.0	T OUT 2215 hr
E. Final Flow	11.0	15.0	12.0	0.0	0.0	
F. Fl Shut-in	1226.0	1228.0	1251.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2554.0	2507.0	2504.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 80000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 70000.00 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 265.55 ft
						D.P. Length 4918.45 ft

RECOVERY

Tot Fluid 35.00 ft of 35.00 ft in DC and 0.00 ft in DP
5149.00 ft of Gas in pipe
35.00 ft of Very slight gas cut mud
0.00 ft of 2% gas 98% 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:
Strong blow bottom of bucket in 15 secs.
Initial Shut-in:
No blow back gas to surface in 4 mins.
Final Flow:
Strong blow bottom of bucket in 10 secs. gauge gas
Final Shut-in:
Bled down for 30 mins. no blow back

SAMPLES: Caraway Analytical 728 n. Rosevelt
SENT TO: Liberal, Ks

Test Successful: Y

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MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	46.00 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.	Dale Padgett
Contr.	Duke
Rig #	
Unit #	none
Pump T.	no

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GAS RECOVERY

ORIGINAL

COMPANY: Samuel Gary Jr. & Ass. inc

DATE: 10/09/199

WELL NAME: Griffith Farms #30-2

KB Elev: 2131.00 ft TICKET #12317 DST #1

WELL LOCATION: 30-32s-18w Comanche co KS

GR Elev: 2118.00 ft FORMATION: Miss

INTERVAL Fr.: 5211.00 To 5243.00 T.D.: 5243.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adj.choke

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	8	0	67300.0
20	0.25	0	32	9500.0
30	0.25	0	34	9790.0
40	0.25	0	27	8890.0
50	0.25	0	24	8220.0
60	0.25	0	21	7510.0

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TOOL DIAGRAM *** CONVENTIONAL

ORIGINAL

WELL NAME: Griffith Farms #30-2

LOCATION : 30-32s-18w Comanche co KS

WELL No. 12317 D.S.T. No. 1 DATE 10/09/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 31

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 63

WELL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY

C. ABOVE TOOLS.Stands4 Single 1 Total 265.55

P. ABOVE TOOLS.Stands82 Single 1 Total 4918.45

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5247.00

TOTAL DEPTH 5243.00

TOTAL DRILL PIPE ABOVE K.B. 4

MARKS:

Fluid sampler

sampler recovery pit mud analysis
as---4000-1.5cfML. Chlorides----5000---
ml-----ML. res.--1---ohms.@--80'F
ad-----ML. viscosity-----46----
ster-----ML. mud wt.----9.1+-----
her-----ML. filtrate-----8.8-----
essure--350--PSI. other.1-1/2#L.C.M-----
tal--4000-----ML.

P.O. SUB Top of tool @ 5181

C.O. SUB 5182

S.I. TOOL 5187

3'sp.chamber 5190

HMV 5195

JARS 5200

SAFETY JOINT 5202

PACKER 5206

PACKER 5211

DEPTH 5211

STUBB 1'to 5212

ANCHOR 26'of perfs.to 5238

Aloine rec.@ 5217

5238

T.C.
DEPTH

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5238

Ak-1 rec.@ 5240

BULLNOSE 5'bullnose to 5243

T.D.

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Tk12317 DST#1 Griffith Farms #30-2 Samuel Gary Jr.

TEST HISTORY

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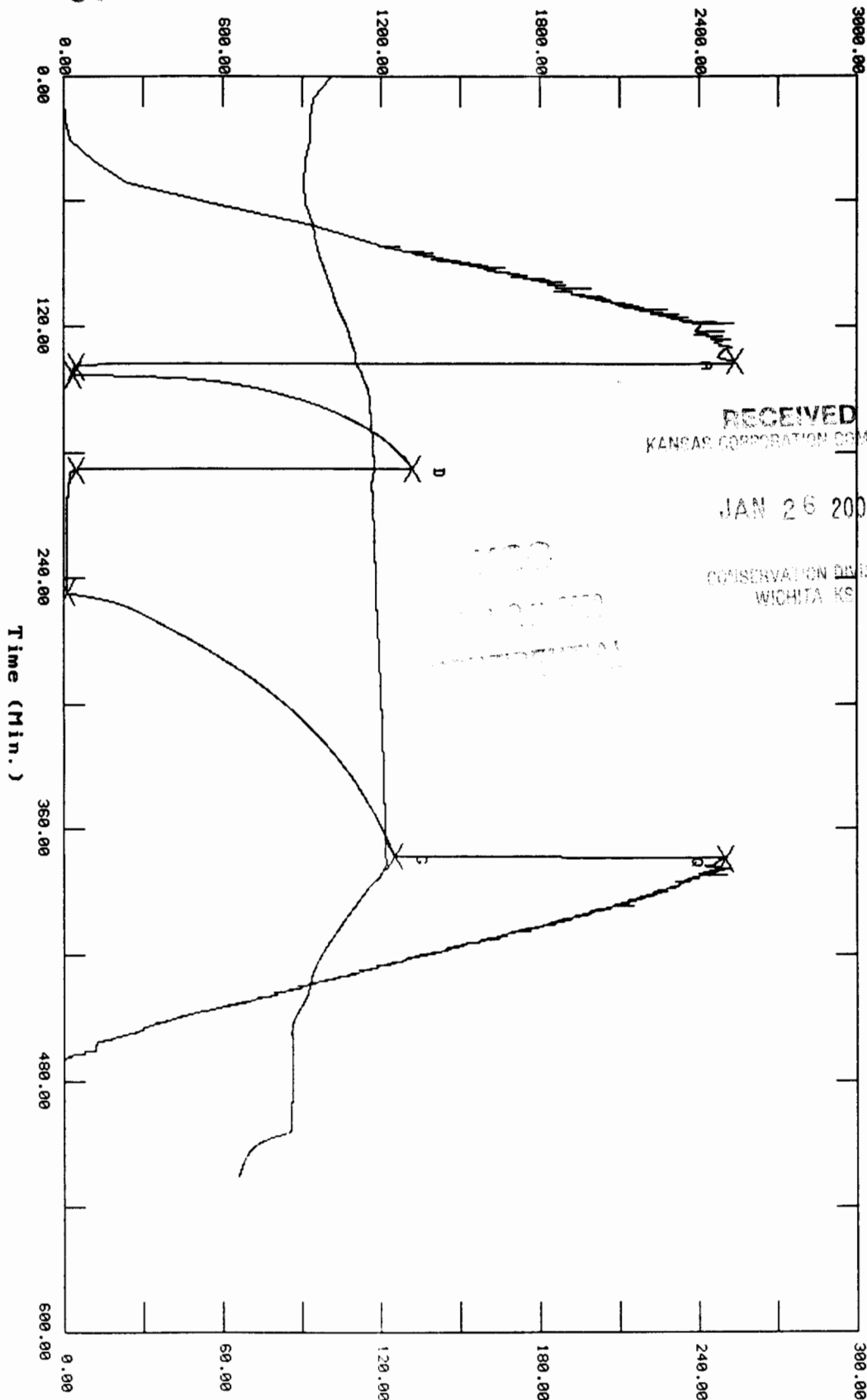
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Pressure (PSIg)

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WICHITA KS

Flag Points
t(Min.) P(PSIg)

A:	0.00	2537.72
B:	0.00	43.30
C:	3.50	33.13
D:	45.00	1321.30
E:	0.00	45.11
F:	59.00	11.82
G:	125.75	1251.09
Q:	0.00	2503.69

Temperature (DEG F)

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR ~~CONFIDENTIAL~~ Gary Jr. & Ass. inc

WELL NAME: Griffith-Farms #30-2

LOCATION : 30-32s-18w Comanche co KS

INTERVAL : 5684.00 To 5718.00 ft

DATE 10/11/199

KB 2131.00 ft

GR 2118.00 ft

TD 5718.00 ft

TICKET NO: 12318 DST #2

FORMATION: Osage

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 5 Rec.	10332	10332	3246			PF Fr. 1917 to 1922 hr
SI 60 Range(Psi)	4050.0	4050.0	4995.0	0.0	0.0	IS Fr. 1922 to 2022 hr
SF 90 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2022 to 2152 hr
FS 360 Depth(ft)	5715.0	5715.0	5690.0	0.0	0.0	FS Fr. 2152 to 0352 hr

	Field	1	2	3	4	
A. Init Hydro	2894.0	2878.0	2858.0	0.0	0.0	T STARTED 1647 hr
B. First Flow	81.0	96.0	33.0	0.0	0.0	T ON BOTM 1914 hr
B1. Final Flow	81.0	96.0	33.0	0.0	0.0	T OPEN 1917 hr
C. In Shut-in	1998.0	2018.0	2044.0	0.0	0.0	T PULLED 0352 hr
D. Init Flow	51.0	74.0	27.0	0.0	0.0	T OUT 0615 hr
E. Final Flow	81.0	65.0	88.0	0.0	0.0	
F. Fl Shut-in	1957.0	1961.0	2017.0	0.0	0.0	
G. Final Hydro	2864.0	2842.0	2833.0	0.0	0.0	
Inside/Outside	O	O	I			

RECOVERY

Tot Fluid 130.00 ft of 130.00 ft in DC and 0.00 ft in DP
 5563.00 ft of Gas in pipe
 130.00 ft of Gas and water cut mud
 0.00 ft of 10% gas 30% water 60% 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 8000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket
 in 20 secs.
 Initial Shut-in:
 Bled down for 5 mins.
 Final Flow:
 Strong blow bottom of bucket in
 10 secs. gas to surface in 6 mins.
 gauge gas
 Final Shut-in:
 Bled down for 20 mins.no blow back.

SAMPLES: Caraway Analytical, 728 N.Roosevelt
 SENT TO: Liberal, Ks

Test Successful: Y

TOOL DATA-----
 Tool Wt. 2100.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 80000.00 lbs
 Initial Str Wt 78000.00 lbs
 Unseated Str Wt 78000.00 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 294.82 ft
 D.P. Length 5388.18 ft

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c:
Vis.	48.00 S/L
W.L.	8.60 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	5.75 in
No. of Packers	3
Cushion Amt.	3.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L. Amerine
Co. Rep.	Dale Padgett
Contr.	Duke
Rig #	7
Unit #	no
Pump T.	none

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GAS RECOVERY

ORIGINAL

COMPANY: Samuel Gary Jr. & Ass. inc

DATE: 10/11/199

WELL NAME: Griffith-Farms #30-2

KB Elev: 2131.00 ft TICKET #12318 DST #2

WELL LOCATION: 30-32s-18w Comanche co KS

GR Elev: 2118.00 ft FORMATION: Osage

INTERVAL Fr.: 5684.00 To 5718.00 T.D.: 5718.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adj.choke

*** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
16	0.38	9	0	61400.0
26	0.38	17	0	90000.0
36	0.38	20	0	100000.0
46	0.38	24	0	113000.0
56	0.38	29	0	129000.0
66	0.38	33	0	140000.0
76	0.38	36	0	150000.0
86	0.38	37	0	153000.0
90	0.38	40	0	161000.0

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*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Griffith-Farms #30-2

LOCATION : 30-32s-18w Comanche co KS

TICKET No. 12318 D.S.T. No. 2 DATE 10/11/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 31

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 65

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.Stands5 Single Total 294.82

D.P. ABOVE TOOLS.Stands88 Single Total 5388.18

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5748.00

TOTAL DEPTH 5718.00

TOTAL DRILL PIPE ABOVE K.B. 30

REMARKS:

Fluid sampler data.

sampler recovery	pit mud analysis
gas-4000-4.5--ML.	Chlorides---6000-----ppm.
oil-----ML.	res.-.9---Ohms@--80--F'
mud-----ML.	viscosity-----48-----
water-----ML.	mud wt.-----9.1+-----
other-----ML.	filtrate-----8.6-----
pressure-1150-PSI.	other-----6#LCM-----
total--4000---ML.	-----

P.O. SUB Top of tool@	5654
C.O. SUB	5655

S.I. TOOL	5660
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3'sp.Chamber	5663
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HMV	5668
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JARS	5673
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SAFETY JOINT	5675
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PACKER	5679
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PACKER	5684
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DEPTH 5684	
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STUBB 1'to	5685
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ANCHOR 28'of perfs.to	5713
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Alpine rec.@ 5690

T.C.	
DEPTH	

5713

Ak-1 rec. @ 5715

BULLNOSE 5'bullnose to	5718
T.D.	

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Pressure (PSIg)

ORIGINAL

Tk#12318 DST#2 Griffith-Farms#30-2 Samuel Gary Jr, & Ass. Inc

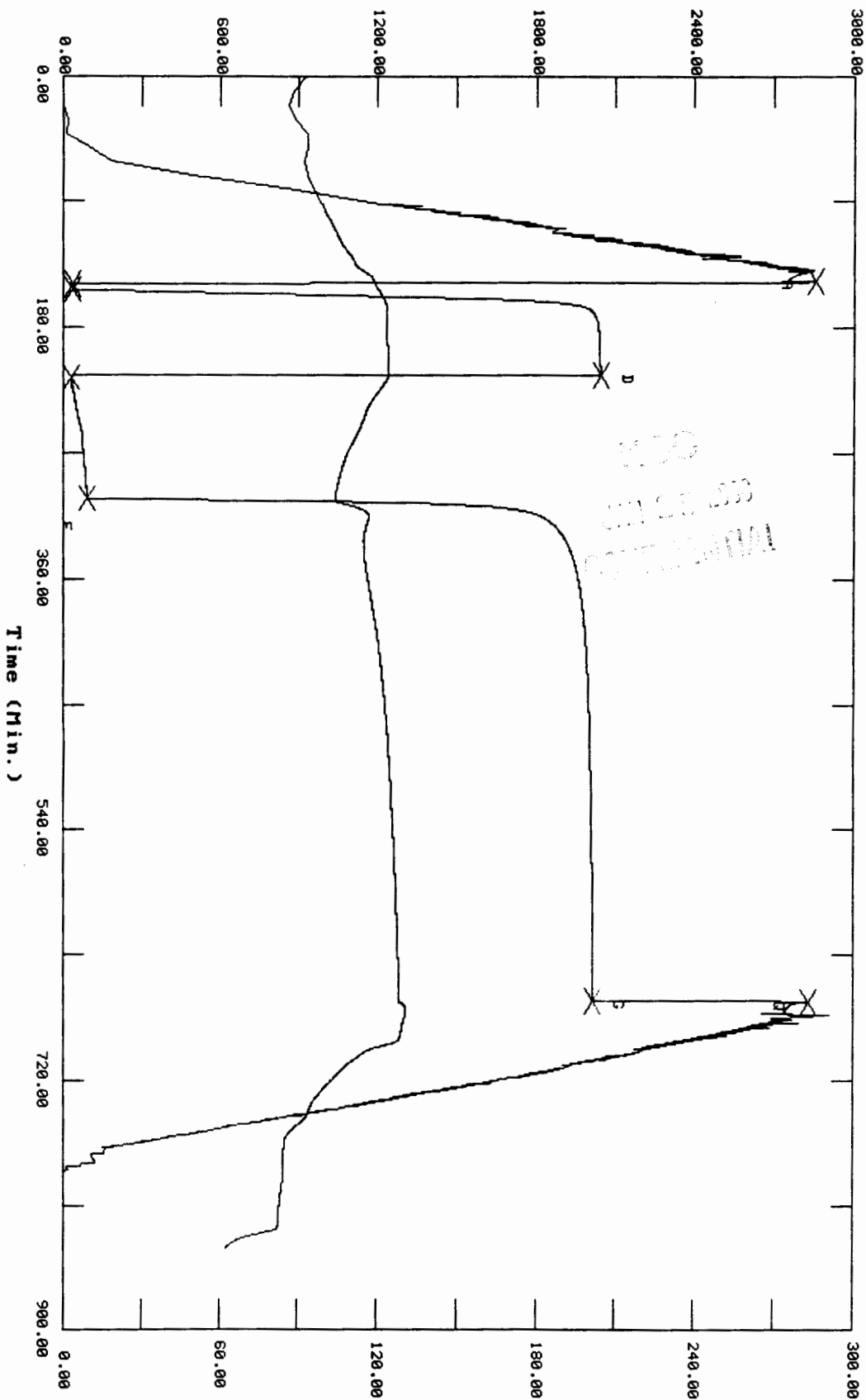
TEST HISTORY

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	t (Min.)	P (PSIg)	Flag Points
A:	0.00	2858.27	
B:	0.00	32.75	
C:	4.00	32.69	
D:	60.75	2044.02	
E:	0.00	26.82	
F:	86.75	88.00	
G:	360.50	2017.15	
H:	0.00	2832.60	



Temperature (DEG F)

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TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Samuel Gary Jr. & Assoc.

DATE 10-14-99

WELL NAME: Griffin Farms 30-2

KB 2131.00 ft

TICKET NO: 12057 DST #3

LOCATION : 30-32s-18w Comanche co KS

GR 0.00 ft

FORMATION: viola

INTERVAL : 5761.00 To 5841.00 ft

TD 6125.00 ft

TEST TYPE: CONV.STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 5 Rec.	11085	11085	3027		13548	PF Fr. 2044 to 2049 hr
SI 60 Range(Psi)	4300.0	4300.0	4995.0	0.0	4225.0	IS Fr. 2049 to 2149 hr
SF 60 Clock(hrs)	12hr	12	elec		12hr	SF Fr. 2149 to 2249 hr
FS 120 Depth(ft)	5769.0	5769.0	5765.0	0.0	5870.0	FS Fr. 2249 to 0049 hr

	Field	1	2	3	4	
A. Init Hydro	2748.0	2731.0	2797.0	0.0	0.0	T STARTED 1828 hr
B. First Flow	77.0	97.0	87.0	0.0	0.0	T ON BOTM 2041 hr
B1. Final Flow	77.0	97.0	60.0	0.0	0.0	T OPEN 2044 hr
C. In Shut-in	1668.0	1681.0	1726.0	0.0	0.0	T PULLED 0049 hr
D. Init Flow	77.0	83.0	81.0	0.0	0.0	T OUT 0334 hr
E. Final Flow	44.0	59.0	54.0	0.0	0.0	
F. Fl Shut-in	1452.0	1480.0	1495.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2705.0	2708.0	2724.0	0.0	0.0	Tool Wt. 2500.00 lbs
Inside/Outside	o	o	i		s	Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 86000.00 lbs
						Initial Str Wt 83000.00 lbs
						Unseated Str Wt 83000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.50 in
						D. Pipe ID 3.80 in
						D.C. Length 304.00 ft
						D.P. Length 5441.00 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
 120.00 ft of Gas cut 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

BLOW DESCRIPTION

Initial Flow:
 Strong blow gas to surface in
 3 mins.
 Final Flow:
 Strong blow gas to surface

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MUD DATA-----

Mud Type	chemical
Weight	9.10 lb/cf
Vis.	48.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

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	4
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Tom Larson
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

SAMPLES: gas bottle
 SENT TO: liberal

Test Successful: Y

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GAS RECOVERY

ORIGINAL

COMPANY: Samuel Gary Jr. & Assoc.

DATE: 10-14-99

WELL NAME: Farms 30-2

KB Elev: 2131.00 ft TICKET #12057 DST #3

WELL LOCATION: 30-32s-18w Comanche co KS

GR Elev: 0.00 ft FORMATION: viola

INTERVAL Fr.: 5761.00 To 5841.00 T.D.: 6125.00 ft TEST TYPE: CONV.STRADDLE

GAS RECOVERY MEASURED WITH orifice

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***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
3	1.50	2	0	195000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.25	0	30	241000.0
15	1.00	0	11	85900.0
25	1.00	0	6	63300.0
35	1.00	0	5	57700.0
45	1.00	0	4	51600.0
55	1.00	0	3	44700.0
60	1.00	0	3	44700.0

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*** TOOL DIAGRAM *** CONV.STRADDLE

ORIGINAL

WELL NAME: Griffin Farms 30-2

LOCATION : 30-32s-18w Comanche co KS

TICKET No. 12057 D.S.T. No. 3 DATE 10-14-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 36

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 80

TOTAL TOOL 116

DRILL COLLAR ANCHOR IN INTERVAL tailpipe

D.C. ANCHOR STND.Stands Single Total 34perf

D.P. ANCHOR STND.Stands 4 Single Total 250pipe

TOTAL ASSEMBLY 400

D.C. ABOVE TOOLS.Stands5 Single Total 304

D.P. ABOVE TOOLS.Stands87 Single 1 Total 5441

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6145

TOTAL DEPTH 6125

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

Fluid Sampler Data

Sampler Recovery

Gas 600 ML

Mud 3400 ML

Pressure 1500 PSI

total 4000 ML

Sampler Analysis

Res .76 ohms@ 75 F

Chlorides 4500 ppm

Pit Mud Analysis

Res .76 ohms@ 75F

Chlorides 4500 ppm

Vis 48

Wt. 9.1

WL 8

Lcm 6#

P.O. SUB	5608
C.O. SUB	5730
S.I. TOOL	5734
sampler	5739
HMV	5743
JARS	5748
SAFETY JOINT	5753
PACKER	5756
PACKER	5761
DEPTH	5762
STUBB	5767
ANCHOR 5'perf	5769
2' "	5832
63'pipe&subs	5837
Alpine@5765	
AK-1 @5769	
5'perf	5840
T.C. &blankoff	5841
DEPTH	5846
PACKER	5847
PACKER	5854
stubb	6104
7'perf	6109
250'pipe&subs	6114
5'perf	6119
5' "	6122
5' "	
3' "	
AK-1@5870	
BULLNOSE 3'bullplug	6125
T.D.	6125

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Pressure (PSIg)

ORIGINAL

12057 DST#3 Griffin Farms 30-2 Sam Gary Jr.

TEST HISTORY

RELEASED

MAY 21 2002

FROM CONFIDENTIAL

Flag Points	
t (Min.)	P (PSIg)
A:	0.00 2797.61
B:	0.00 87.22
C:	2.50 60.71
D:	59.50 1726.59
E:	0.00 81.05
F:	57.00 54.50
G:	120.50 1495.26
H:	0.00 2724.47

