Company Kan-Go, Inc./Reed — Lease & Well No. #1 Schaffer

Elevation - , Formation Lansing — Effective Pay - Ft. — Ticket No. 16462

Date 8/3/82 — Sec. 17 — Twp. 19S — Range 13W — County Barton — State Kansas

Test Approved by Bruce A Reed — Western Representative Denis Wondra

Formation Test No. 1 — Interval Tested from 3216 ft. to 3240 ft. — Total Depth 3240 ft.

Packer Depth 3211 ft. — Size 6 5/8 in. — Packer Depth 3216 ft. — Size 6 5/8 in.

Packer Depth - ft. — Size - in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3230 ft. — Recorder Number 3474 — Cap. 3000

Bottom Recorder Depth (Outside) 3233 ft. — Recorder Number 13240 — Cap. 4500

Below Straddle Recorder Depth - ft. — Recorder Number -- — Cap. -

Drilling Contractor H-30 Rig #11 — Drill Collar Length - — I. D. - in.

Mud Type Starch — Viscosity 38 — Weight Pipe Length - — I. D. - in.

Weight 10.0 — Water Loss 16.0 cc. — Drill Pipe Length 3195 — I. D. 3.8 in.

Chlorides 65,000 P.P.M. — Test Tool Length 21 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 24 ft. — Size 5½OD in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½FH in.

Blow: Very weak - died in 10 minutes on initial flow period. No blow on final flow period.

Recovered 5 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:28 ~~A.M.~~ P.M. — Time Started Off Bottom 3:30 ~~A.M.~~ P.M. — Maximum Temperature 107

Initial Hydrostatic Pressure			(A) 1737	P.S.I.		
Initial Flow Period	Minutes 30	(B) 30	P.S.I. to	(C) 30	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 33	P.S.I.			
Final Flow Period	Minutes 30	(E) 29	P.S.I. to	(F) 29	P.S.I.	
Final Closed In Period	Minutes 27	(G) 29	P.S.I.			
Final Hydrostatic Pressure			(H) 1719	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 8/3/82 Test Ticket No. 16462

Recorder No. 3474 Capacity 3000 Location 3230 Ft.

Clock No. - Elevation - Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1737 P.S.I.	Open Tool	1:28P M	
B First Initial Flow Pressure	30 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	30 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	33 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	29 P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	29 P.S.I.			
G Final Closed-in Pressure	29 P.S.I.			
H Final Hydrostatic Mud	1719 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	30
P 2 5	30
P 3 10	30
P 4 15	30
P 5 20	30
P 6 25	30
P 7 30	30
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	30
3	30
6	30
9	30
12	31
15	32
18	33
21	33
24	33
27	33
30	33

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	29
5	29
10	29
15	29
20	29
25	29
30	29

Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	29
3	29
6	29
9	29
12	29
15	29
18	29
21	29
24	29
27	29

WTC - 4

Tk#16462

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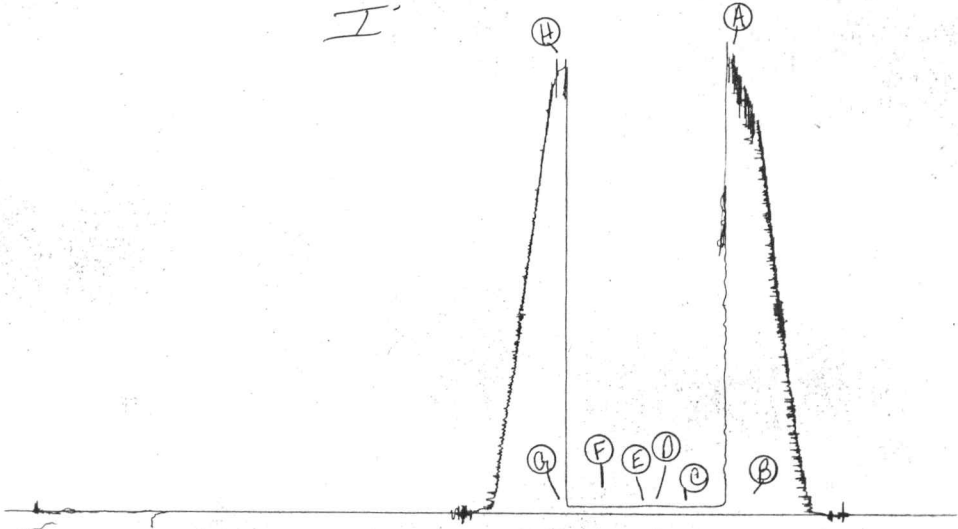


Company Kan-Go, Inc./Reed — Lease & Well No. #1 Schaffer

Elevation - Formation Kansas City — Effective Pay - Ft. Ticket No. 16463

Date 8/4/82 Sec. 17 Twp. 19S Range 13W — County Barton State Kansas

Test Approved by Bruce A Reed — Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 3400 ft. to 3417 ft. Total Depth 3417 ft.

Packer Depth 3395 ft. Size 6 5/8 in. — Packer Depth 3400 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. — Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3407 ft. — Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3410 ft. — Recorder Number 13240 Cap. 4500

Below Straddle Recorder Depth - ft. — Recorder Number - Cap. -

Drilling Contractor H-30 Rig #11 — Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 40 — Weight Pipe Length - I. D. - in.

Weight 10.1 Water Loss 20.0 cc. — Drill Pipe Length 3379 I. D. 3.8 in.

Chlorides 62,000 P.P.M. — Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - — Anchor Length 17 ft. Size 5½OD in.

Did Well Flow? No Reversed Out No — Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH in.

Blow: 3 inch decreasing to 1 inch blow by end of initial flow period.
1 inch decreasing blow throughout final flow period.

Recovered 165 ft. of gas in pipe

Recovered 15 ft. of slight oil & gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:48 A.M. P.M. Time Started Off Bottom 7:05 A.M. P.M. Maximum Temperature 113

Initial Hydrostatic Pressure			(A)	1836	P.S.I.	
Initial Flow Period	Minutes 30	(B)	27	P.S.I. to (C)	28	P.S.I.
Initial Closed In Period	Minutes 30	(D)	44	P.S.I.		
Final Flow Period	Minutes 30	(E)	30	P.S.I. to (F)	30	P.S.I.
Final Closed In Period	Minutes 48	(G)	43	P.S.I.		
Final Hydrostatic Pressure			(H)	1819	P.S.I.	

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 8/4/82 Test Ticket No. 16463

Recorder No. 3474 Capacity 3000 Location 3407 Ft.

Clock No. - Elevation - Well Temperature 113 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	1836 P.S.I.	Open Tool	4:48P	M		
B	First Initial Flow Pressure	27 P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure	30	Mins.	30	Mins.
D	Initial Closed-in Pressure	44 P.S.I.	Second Flow Pressure	30	Mins.	30	Mins.
E	Second Initial Flow Pressure	30 P.S.I.	Final Closed-in Pressure	45	Mins.	48	Mins.
F	Second Final Flow Pressure	30 P.S.I.					
G	Final Closed-in Pressure	43 P.S.I.					
H	Final Hydrostatic Mud	1819 P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	27
P 2	5	27
P 3	10	27
P 4	15	27
P 5	20	28
P 6	25	28
P 7	30	28
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	28
	3	29
	6	31
	9	33
	12	35
	15	37
	18	39
	21	41
	24	42
	27	43
	30	44

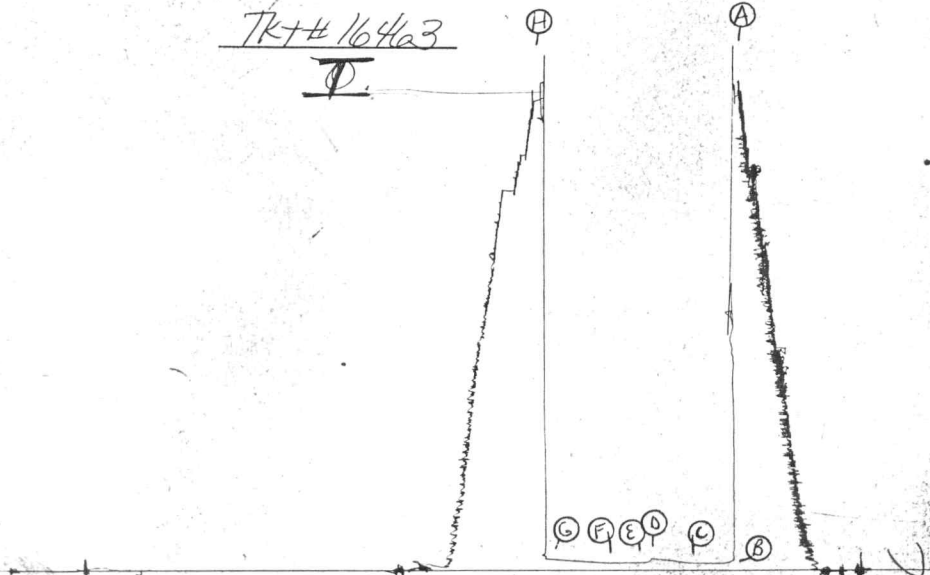
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	30
	5	30
	10	30
	15	30
	20	30
	25	30
	30	30

Final Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	30
	3	30
	6	31
	9	32
	12	33
	15	34
	18	35
	21	36
	24	37
	27	38
	30	39
	33	40
	36	41
	39	42
	42	43
	45	43
	48	43

Trk # 16463



Company Kan-Go, Inc./Reed — Lease & Well No. #1 Schaffer

Elevation - Formation Arbuckle — Effective Pay - Ft. — Ticket No. 16464

Date 8/5/82 — Sec. 17 — Twp. 19S — Range 13W — County Barton — State Kansas

Test Approved by George Reed — Western Representative Denis Wondra

Formation Test No. 3 — Interval Tested from 3437 ft. to 3479 ft. — Total Depth 3479 ft.

Packer Depth 3432 ft. — Size 6 5/8 in. — Packer Depth 3437 ft. — Size 6 5/8 in.

Packer Depth - ft. — Size - in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3469 ft. — Recorder Number 3474 — Cap. 3000

Bottom Recorder Depth (Outside) 3472 ft. — Recorder Number 13240 — Cap. 4500

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor H-30 Rig #11 — Drill Collar Length - — I. D. - in.

Mud Type Starch — Viscosity 40 — Weight Pipe Length - — I. D. - in.

Weight 10.1 — Water Loss 20.0 cc. — Drill Pipe Length 3416 — I. D. 3.8 in.

Chlorides 65,000 P.P.M. — Test Tool Length 21 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 42 ft. — Size 5½OD in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½FH in.

Blow: 1 inch decreased to ½ inch blow by end of initial flow period.
Very weak & died in 10 minutes on final flow period.

Recovered 30 ft. of mud with few spots of oil in top 2 feet.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:28 ~~P.M.~~ A.M. — Time Started Off Bottom 11:30 ~~P.M.~~ A.M. — Maximum Temperature 114

Initial Hydrostatic Pressure (A) 1887 P.S.I.

Initial Flow Period Minutes 30 (B) 41 P.S.I. to (C) 43 P.S.I.

Initial Closed In Period Minutes 30 (D) 891 P.S.I.

Final Flow Period Minutes 30 (E) 48 P.S.I. to (F) 48 P.S.I.

Final Closed In Period Minutes 30 (G) 830 P.S.I.

Final Hydrostatic Pressure (H) 1848 P.S.I.

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 8/5/82 Test Ticket No. 16464

Recorder No. 3474 Capacity 3000 Location 3469 Ft.

Clock No. - Elevation - Well Temperature 114 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1887 P.S.I.		Open Tool	9:28A M	
B	First Initial Flow Pressure	41 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	43 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	891 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	48 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	48 P.S.I.				
G	Final Closed-in Pressure	830 P.S.I.				
H	Final Hydrostatic Mud	1848 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	41
P 2	5	41
P 3	10	41
P 4	15	41
P 5	20	41
P 6	25	42
P 7	30	43
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	43
	3	44
	6	76
	9	192
	12	364
	15	535
	18	642
	21	730
	24	789
	27	841
	30	891

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	48
	5	48
	10	48
	15	48
	20	48
	25	48
	30	48

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	48
	3	109
	6	220
	9	370
	12	489
	15	588
	18	664
	21	724
	24	772
	27	816
	30	830

Trk # 16464