Company: George Norman Kimpler — Lease & Well No.: Kimpler #1-31

Elevation: 1837 Kelly Bushing — Formation: Kansas City — Effective Pay: --- Ft. — Ticket No.: 4806

Date: 4/25/80 — Sec.: 31 — Twp.: 18S — Range: 11W — County: Barton — State: Kansas

Test Approved by: David P. Williams — Western Representative: Darrell Claphan

Formation Test No.: 1 — Interval Tested from: 3126 ft. to: 3175 ft. — Total Depth: 3175 ft.

Packer Depth: 3121 ft. — Size: 6 3/4 in. — Packer Depth: 3126 ft. — Size: 6 3/4 in.

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

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 3139 ft. — Recorder Number: 10266 — Cap.: 4650

Bottom Recorder Depth (Outside): 3142 ft. — Recorder Number: 6233 — Cap.: 4000

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

Drilling Contractor: Mustang Drlg, Inc. — Drill Collar Length: 90 — I. D.: 2.2 in.

Mud Type: starch — Viscosity: 42 — Weight Pipe Length: -- — I. D.: - in.

Weight: 9.7 — Water Loss: 10.4 cc. — Drill Pipe Length: 3014 — I. D.: 3.8 in.

Chlorides: 60,000 P.P.M. — Test Tool Length: 22 ft. — Tool Size: 4½OD in.

Jars: Make: -- — Serial Number: - — Anchor Length: 49 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: 4½ in.

Blow: First - fair building to good blow four to seven inches.

Second - fair building to good blow four to nine inches.

Recovered: 120 ft. of gas in pipe

Recovered: 140 ft. of oil and gas cut mud

Recovered: ft. of

Recovered: ft. of

Recovered: ft. of

Remarks: Slid tool fifteen feet to bottom.

Time Set Packer(s): 5:10 A.M. P.M. — Time Started Off Bottom: 7:10 A.M. P.M. — Maximum Temperature: 110°

Initial Hydrostatic Pressure			(A)	1637	P.S.I.	
Initial Flow Period	Minutes 20	(B)	99	P.S.I. to (C)	89	P.S.I.
Initial Closed In Period	Minutes 27	(D)	214	P.S.I.		
Final Flow Period	Minutes 30	(E)	89	P.S.I. to (F)	81	P.S.I.
Final Closed In Period	Minutes 27	(G)	146	P.S.I.		
Final Hydrostatic Pressure			(H)	1623	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 4/25/80 Test Ticket No. 4806

Recorder No. 10266 Capacity 4650 Location 3175 Ft.

Clock No. - Elevation 1837 Kelly Bushing Well Temperature 110 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1637	P.S.I.	Open Tool	5:10P	M		
B	First Initial Flow Pressure	99	P.S.I.	First Flow Pressure	30	Mins.	20	Mins.
C	First Final Flow Pressure	89	P.S.I.	Initial Closed-in Pressure	30	Mins.	27	Mins.
D	Initial Closed-in Pressure	214	P.S.I.	Second Flow Pressure	30	Mins.	30	Mins.
E	Second Initial Flow Pressure	89	P.S.I.	Final Closed-in Pressure	30	Mins.	27	Mins.
F	Second Final Flow Pressure	81	P.S.I.					
G	Final Closed-in Pressure	146	P.S.I.					
H	Final Hydrostatic Mud	1623	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc. of 5 mins. and a final inc. of 0 Min.

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

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

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

	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	99	0	89	0	89	0	81
P 2	5 Plugging action		3	89	5	85	3	81
P 3	10Plugging action		6	96	10	81	6	81
P 4	15Plugging acgion		9	113	15	81	9	87
P 5	20	89	12	129	20	81	12	96
P 6			15	146	25	81	15	106
P 7			18	164	30	81	18	116
P 8			21	181			21	127
P 9			24	197			24	139
P10			27	214			27	146
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

10266

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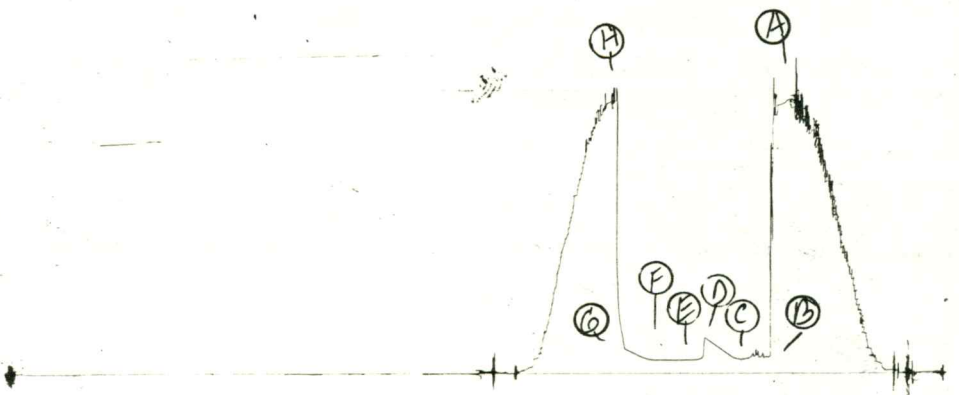

Company George Norman Kimpler | Lease & Well No. Kimpler #1-31

Elevation 1837 Kelly Bushing | Formation Kansas City | Effective Pay --- Ft. | Ticket No. 4807

Date 4/26/80 | Sec. 31 | Twp. 18S | Range 11W | County Barton | State Kansas

Test Approved by David P. Williams | Western Representative Darrell Claphan

Formation Test No. 2 | Interval Tested from 3180 ft. to 3209 ft. | Total Depth 3209 ft.

Packer Depth 3175 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size 6 3/4 in.

Packer Depth - ft. | Size - in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3182 ft. | Recorder Number 10266 | Cap. 4650

Bottom Recorder Depth (Outside) 3185 ft. | Recorder Number 6233 | Cap. 4000

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

Drilling Contractor Mustang Drlg. Inc. Rig #1 | Drill Collar Length 122 | I. D. 2.2 in.

Mud Type starch | Viscosity 42 | Weight Pipe Length - | I. D. - in.

Weight 9.7 | Water Loss 10.4 cc. | Drill Pipe Length 3036 | I. D. 3.8 in.

Chlorides 60,000 P.P.M. | Test Tool Length 22 ft. | Tool Size 4½ in.

Jars: Make No | Serial Number - | Anchor Length 29 ft. | Size 5½ 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 4½ in.

Blow: First - good blow building to strong in four minutes six to fifteen inches.
Second - strong blow throughout fifteen inches.

Recovered 540 ft. of gas in pipe

Recovered 62 ft. of slightly oil and gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:50 ~~A.M.~~ ~~P.M.~~ | Time Started Off Bottom 7:50 ~~A.M.~~ ~~P.M.~~ | Maximum Temperature 110°

Initial Hydrostatic Pressure			(A) 1709 P.S.I.			
Initial Flow Period	Minutes 25	(B) 75 P.S.I.	to (C) 70 P.S.I.			
Initial Closed In Period	Minutes 27	(D) 129 P.S.I.				
Final Flow Period	Minutes 30	(E) 75 P.S.I.	to (F) 92 P.S.I.			
Final Closed In Period	Minutes 27	(G) 113 P.S.I.				
Final Hydrostatic Pressure			(H) 1663 P.S.I.			

WESTERN TESTING CO., INC.
Pressure Data

Date 4/26/80 Test Ticket No. 4807

Recorder No. 10266 Capacity 4650 Location 3209 Ft.

Clock No. - Elevation 1837 Kelly Bushing Well Temperature 110 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1709	P.S.I.	Open Tool	5:50A	M		
B	First Initial Flow Pressure	75	P.S.I.	First Flow Pressure	30	Mins.	25	Mins.
C	First Final Flow Pressure	70	P.S.I.	Initial Closed-in Pressure	30	Mins.	27	Mins.
D	Initial Closed-in Pressure	129	P.S.I.	Second Flow Pressure	30	Mins.	30	Mins.
E	Second Initial Flow Pressure	75	P.S.I.	Final Closed-in Pressure	30	Mins.	27	Mins.
F	Second Final Flow Pressure	92	P.S.I.					
G	Final Closed-in Pressure	113	P.S.I.					
H	Final Hydrostatic Mud	1663	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 9 Inc.		Breakdown: 6 Inc.		Breakdown: 9 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	75	0	70	0	75	0	92
P 2 5	70	3	82	5	75	3	87
P 3 10	70	6	94	10	73	6	92
P 4 15	70	9	103	15	75	9	96
P 5 20	70	12	110	20	75	12	102
P 6 25	70	15	117	25	77	15	107
P 7		18	120	30	92	18	109
P 8		21	124			21	111
P 9		24	127			24	113
P10		27	129			27	113
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

10266

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