

Company Kelly Angle & Company Lease & Well No. Wiens #1
 Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 12240
 Date 8/22 /81 Sec. 6 Twp. 19S Range 9W County Rice State Kansas
 Test Approved by Bobby J. Beard Western Representative Darrell Claphan

Formation Test No. 4 Interval Tested from 3207 ft. to 3225 ft. Total Depth 3225 ft.
 Packer Depth 3202 ft. Size 6 5/8 in. Packer Depth 3207 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) 3209 ft. Recorder Number 10980 Cap. 4200
 Bottom Recorder Depth (Outside) 3213 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Red Tiger Drlg. Rig #3 Drill Collar Length - I. D. - in.
 Mud Type starch-salt-clay Viscosity 44 Weight Pipe Length 1394 I. D. 2.7 in.
 Weight 10.1 Water Loss 10.4 cc. Drill Pipe Length 1784 I. D. 3.8 in.
 Chlorides 53,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.
 Jars: Make WTC Serial Number 420 Anchor Length 18 ft. Size 5.5 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 4.5 in.

Blow: Weak blow; died in thirty minutes on initial flow period. No blow on final flow period.

Recovered 5 ft. of mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 12:25 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:55 ~~P.M.~~ ^{A.M.} Maximum Temperature 114°
 Initial Hydrostatic Pressure (A) 1721 P.S.I.
 Initial Flow Period Minutes 60 (B) 56 P.S.I. to (C) 56 P.S.I.
 Initial Closed In Period Minutes 30 (D) 58 P.S.I.
 Final Flow Period Minutes 30 (E) 56 P.S.I. to (F) 56 P.S.I.
 Final Closed In Period Minutes 30 (G) 56 P.S.I.
 Final Hydrostatic Pressure (H) 1710 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/22/81

Recorder No. 10980

Capacity 4200

Test Ticket No. 12240

Clock No. - Elevation --

Location 3209 Ft.

Well Temperature 114 °F

Point	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1721</u>	P.S.I.		<u>12:25A</u>	
B First Initial Flow Pressure	<u>56</u>	P.S.I.	Open Tool	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>56</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>58</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>56</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>56</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
G Final Closed-in Pressure	<u>56</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1710</u>	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 10 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.

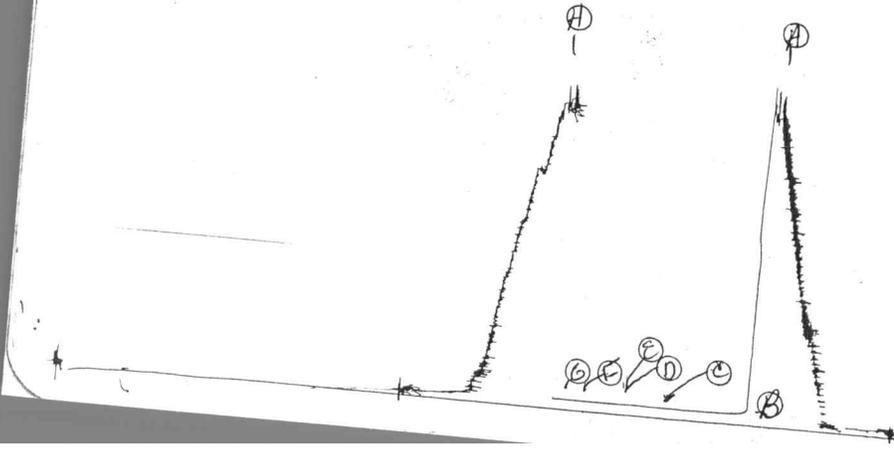
Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>56</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>56</u>
P 2 <u>5</u>	<u>56</u>	<u>3</u>	<u>56</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>56</u>
P 3 <u>10</u>	<u>56</u>	<u>6</u>	<u>56</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>56</u>
P 4 <u>15</u>	<u>56</u>	<u>9</u>	<u>56</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>56</u>
P 5 <u>20</u>	<u>56</u>	<u>12</u>	<u>56</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>56</u>
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>56</u>	<u>25</u>	<u>56</u>	<u>15</u>	<u>56</u>
P 7 <u>30</u>	<u>56</u>	<u>18</u>	<u>56</u>	<u>30</u>	<u>56</u>	<u>18</u>	<u>56</u>
P 8 <u>35</u>	<u>56</u>	<u>21</u>	<u>56</u>			<u>21</u>	<u>56</u>
P 9 <u>40</u>	<u>56</u>	<u>24</u>	<u>56</u>			<u>24</u>	<u>56</u>
P10 <u>45</u>	<u>56</u>	<u>27</u>	<u>57</u>			<u>27</u>	<u>56</u>
P11 <u>50</u>	<u>56</u>	<u>30</u>	<u>58</u>			<u>30</u>	<u>56</u>
P12 <u>55</u>	<u>56</u>						
P13 <u>60</u>	<u>56</u>						
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 12240

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10980/



Company Kelly Angle & Company Lease & Well No. Wiens #1
 Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 12241
 Date 8/22/81 Sec. 6 Twp. 19S Range 9W County Rice State Kansas
 Test Approved by Bobby J. Beard Western Representative Darrell Claphan

Formation Test No. 5 Interval Tested from 3223 ft. to 3235 ft. Total Depth 3235 ft.
 Packer Depth 3218 ft. Size 6 5/8 in. Packer Depth 3223 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) 3225 ft. Recorder Number 10980 Cap. 4200
 Bottom Recorder Depth (Outside) 3229 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Red Tiger Drlg. Rig #3 Drill Collar Length - I. D. - in.
 Mud Type starch-salt-clay Viscosity 39 Weight Pipe Length 1394 I. D. 2.7 in.
 Weight 9.9 Water Loss 15.0 cc. Drill Pipe Length 1882 I. D. 3.8 in.
 Chlorides 52,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.
 Jars: Make WTC Serial Number 420 Anchor Length 12 ft. Size 5.5 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 4.5 in.

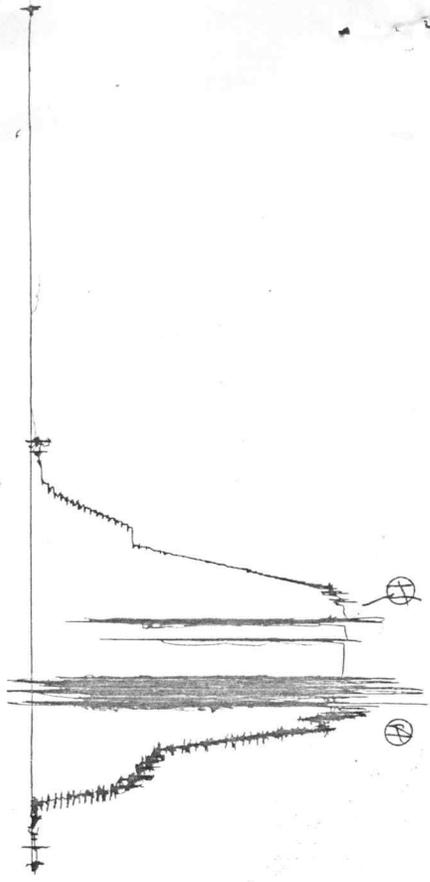
Blow: Weak blow; died in less than ten minutes on initial flow period. Packers failed on final flow period.

Recovered 1330 ft. of mud
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____ **PACKER FAILURE** **MISRUN**
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: COULD NOT GET A GOOD PACKER SEAT: PULLED LOOSE AND RESET. GOT PACKERS TO SET ON THIRD TRY. PAKCERS FAILED WHEN OPENED TOOL FOR SECOND OPENING: PULLED LOOSE.

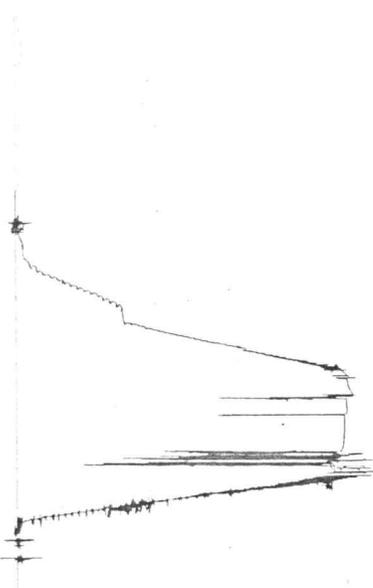
Time Set Packer(s) 2:25 ~~A.M.~~ P.M. Time Started Off Bottom 3:15 ~~A.M.~~ P.M. Maximum Temperature ?
 Initial Hydrostatic Pressure (A) 1648 P.S.I.
 Initial Flow Period (B) _____ Minutes _____ P.S.I. to (C) _____ P.S.I.
 Initial Closed In Period (D) _____ Minutes _____ P.S.I.
 Final Flow Period (E) _____ Minutes _____ P.S.I. to (F) _____ P.S.I.
 Final Closed In Period (G) _____ Minutes _____ P.S.I.
 Final Hydrostatic Pressure (H) 1648 P.S.I.

TKT # 12241
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10980

TKT # 12241
O



6233

Company Kelly Angle & Company Lease & Well No. Wiens #1
 Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 12242
 Date 8/22/81 Sec. 6 Twp. 19S Range 9W County Rice State Kansas
 Test Approved by Bobby J. Beard Western Representative Darrell Claphan

Formation Test No. 6 Interval Tested from 3206 ft. to 3235 ft. Total Depth 3235 ft.
 Packer Depth 3201 ft. Size 6 5/8 in. Packer Depth 3206 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) 3213 ft. Recorder Number 10980 Cap. 4200
 Bottom Recorder Depth (Outside) 3217 ft. Recorder Number 6233 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Red Tiger Drlg. Rig #3 Drill Collar Length - I. D. - in.
 Mud Type starch-salt-clay Viscosity 39 Weight Pipe Length 1394 I. D. 2.7 in.
 Weight 9.9 Water Loss 15.0 cc. Drill Pipe Length 1783 I. D. 3.8 in.
 Chlorides 52,000 P.P.M. Test Tool Length 29 ft. Tool Size 4.5 in.
 Jars: Make WIC Serial Number 420 Anchor Length 29 ft. Size 5.5 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 4.5 in.

Blow: Weak building to fair blow one half inch to seven inches on initial flow period. Weak blow building one half inch to three inches on final flow period.

Recovered 240 ft. of gas in pipe
 Recovered 3 ft. of free oil 39 gravity
 Recovered 180 ft. of gassy mud cut oil
 Recovered - ft. of 44% oil; 25% mud; 25% gas
 Recovered - ft. of -

Remarks: _____

Time Set Packer(s) 7:30 A.M. Time Started Off Bottom 10:30 A.M. Maximum Temperature 117°
 Initial Hydrostatic Pressure (A) 1710 P.S.I.
 Initial Flow Period Minutes 55 (B) 94 P.S.I. to (C) 107 P.S.I.
 Initial Closed In Period Minutes 27 (D) 1004 P.S.I.
 Final Flow Period Minutes 55 (E) 123 P.S.I. to (F) 142 P.S.I.
 Final Closed In Period Minutes 30 (G) 949 P.S.I.
 Final Hydrostatic Pressure (H) 1710 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 8/22/81
Recorder No. 10980

12242
Test Ticket No. 3213
Location Ft.
Well Temperature 117 °F

Clock No. -- Elevation -- Capacity 4200

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1710	P.S.I.	7:30P	
B First Initial Flow Pressure	94	P.S.I.	60	55
C First Final Flow Pressure	107	P.S.I.	30	27
D Initial Closed-in Pressure	1004	P.S.I.	60	55
E Second Initial Flow Pressure	123	P.S.I.	30	30
F Second Final Flow Pressure	142	P.S.I.		
G Final Closed-in Pressure	949	P.S.I.		
H Final Hydrostatic Mud	1710	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 11 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: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	94	0	107	0	123	0	142
P 2 5	94	3	557	5	123	3	511
P 3 10	94	6	764	10	123	6	715
P 4 15	94	9	855	15	123	9	811
P 5 20	94	12	902	20	215	12	847
P 6 25	94	15	932	25	127	15	877
P 7 30	95	18	955	30	219	18	896
P 8 35	97	21	979	35	132	21	913
P 9 40	99	24	994	40	135	24	930
P10 45	102	27	1004	45	137	27	943
P11 50	104			50	140	30	949
P12 55	107			55	142		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT #12242

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10950

