

Company <u>Pickrell Drilling Company</u>				Lease & Well No. <u>Komarek "A" #1</u>			
Elevation <u>1747 Kelly Bushing</u> <u>Indian Cave</u>				Effective Pay <u>-</u> Ft. Ticket No. <u>12918</u>			
Date <u>8/14/81</u> Sec. <u>11</u> Twp. <u>29S</u> Range <u>10W</u>				County <u>Kingman</u> State <u>Kansas</u>			
Test Approved by <u>Thomas Funk</u>				Western Representative <u>Jeff Piotrowski</u>			
Formation Test No. <u>1</u>		Interval Tested from <u>2486</u>		ft. to <u>2580</u>		ft. Total Depth <u>2580</u>	
Packer Depth <u>2481</u> ft.		Size <u>6 3/4</u> in.		Packer Depth <u>-</u> ft.		Size <u>-</u> in.	
Packer Depth <u>2486</u> ft.		Size <u>6 3/4</u> in.		Packer Depth <u>-</u> ft.		Size <u>-</u> in.	
Depth of Selective Zone Set <u>-</u>							
Top Recorder Depth (Inside)		<u>2489</u> ft.		Recorder Number <u>5673</u>		Cap. <u>5400</u>	
Bottom Recorder Depth (Outside)		<u>2492</u> ft.		Recorder Number <u>1565</u>		Cap. <u>4900</u>	
Below Straddle Recorder Depth		<u>-</u> ft.		Recorder Number <u>-</u>		Cap. <u>-</u>	
Drilling Contractor <u>Pickrell Drilling Rig #10</u>				Drill Collar Length <u>-</u> I. D. <u>-</u> in.			
Mud Type <u>drispac</u>		Viscosity <u>35</u>		Weight Pipe Length <u>540</u>		I. D. <u>3.2</u> in.	
Weight <u>9.5</u>		Water Loss <u>-</u> cc.		Drill Pipe Length <u>1926</u>		I. D. <u>3.8</u> in.	
Chlorides <u>50,000</u>		P.P.M.		Test Tool Length <u>20</u> ft.		Tool Size <u>5 1/2</u> OD in.	
Jars: Make <u>-</u>		Serial Number <u>-</u>		Anchor Length <u>DP 60 - 34</u> ft.		Size <u>5 1/2</u> OD in.	
Did Well Flow? <u>Yes</u>		Reversed Out <u>Yes</u>		Surface Choke Size <u>3/4</u> in.		Bottom Choke Size <u>3/4</u> in.	
				Main Hole Size <u>7 7/8</u> in.		Tool Joint Size <u>4 1/2</u> XH in.	
Blow: <u>Strong; gas to surface four minutes on final flow. See attached sheet for gas measurements.</u>							
Recovered <u>780</u> ft. of		<u>salt water</u>					
Recovered <u> </u> ft. of							
Recovered <u> </u> ft. of							
Recovered <u> </u> ft. of							
Recovered <u> </u> ft. of							
Remarks: <u>Started blowing salt water thirty minutes on final flow.</u>							
Time Set Packer(s) <u>1:50</u> <u>A.M.</u>		Time Started Off Bottom <u>5:35</u> <u>A.M.</u>		Maximum Temperature <u>103</u>			
Initial Hydrostatic Pressure		(A) <u>1268</u> P.S.I.					
Initial Flow Period		Minutes <u>30</u> (B) <u>142</u> P.S.I. to (C) <u>257</u> P.S.I.					
Initial Closed In Period		Minutes <u>60</u> (D) <u>980</u> P.S.I.					
Final Flow Period		Minutes <u>45</u> (E) <u>262</u> P.S.I. to (F) <u>325</u> P.S.I.					
Final Closed In Period		Minutes <u>90</u> (G) <u>975</u> P.S.I.					
Final Hydrostatic Pressure		(H) <u>1200</u> P.S.I.					

GAS FLOW REPORT

Date 8/14/81 Ticket 12918 Company Pickrell Drilling Company
 Well Name and No. Komarek "A" #1 Dst No. 1 Interval Tested 2486'-2580'
 County Kingman State Kansas Sec. 11 Twp. 29S Rg. 10W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						

Gas to surface in four minutes.		SECOND FLOW				
10 min	20" of water	1 1/4" orifice	196,000	CFPD		
20 min	11" of water	1 1/4" orifice	145,000	CFPD		
30 min	20" of water	1 1/4" orifice	196,000	CFPD		
						Started blowing salt water
						30 minutes on final flow.

GAS BOTTLE

Serial No. Date Bottle Filled Date to be Invoiced 8/14/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Pickrell Drilling Company
 Authorized by Thomas Funk

WESTERN TESTING CO., INC.

Pressure Data

Date 8/14/81

Test Ticket No. 12918

Recorder No. 5673

Capacity 5400

Location 2489 Ft.

Clock No. - Elevation 1747 Kelly Bushing

Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1268	P.S.I.	1:50A	M
B First Initial Flow Pressure	142	P.S.I.	30	Mins.
C First Final Flow Pressure	257	P.S.I.	60	Mins.
D Initial Closed-in Pressure	980	P.S.I.	45	Mins.
E Second Initial Flow Pressure	262	P.S.I.	90	Mins.
F Second Final Flow Pressure	325	P.S.I.		
G Final Closed-in Pressure	975	P.S.I.		
H Final Hydrostatic Mud	1200	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	142	0	257	0	262	0	325
P 2 5	142	3	358	5	264	3	658
P 3 10	158	6	464	10	270	6	833
P 4 15	186	9	607	15	284	9	902
P 5 20	213	12	732	20	295	12	929
P 6 25	235	15	839	25	303	15	940
P 7 30	257	18	904	30	317	18	948
P 8		21	937	35	331	21	956
P 9		24	951	40	328	24	961
P10		27	962	45	325	27	964
P11		30	967			30	966
P12		33	969			33	968
P13		36	971			36	970
P14		39	973			39	971
P15		42	975			42	972
P16		45	978			45	973
P17		48	979			48	973
P18		51	980			51	973
P19		54	980			54	974
P20		57	980			57	974
		60	980			60	975

WESTERN TESTING CO., INC.

Pressure Data

Date 8/14/81

Test Ticket No. 12918

Recorder No. 5673

Capacity 5400

Location 2489 Ft.

Clock No. - Elevation 1747 Kelly Bushing

Well Temperature 103 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1268</u> P.S.I.	Open Tool	<u>1:50A</u> M	
B First Initial Flow Pressure	<u>142</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>257</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>980</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>262</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>325</u> P.S.I.			
G Final Closed-in Pressure	<u>975</u> P.S.I.			
H Final Hydrostatic Mud	<u>1200</u> P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

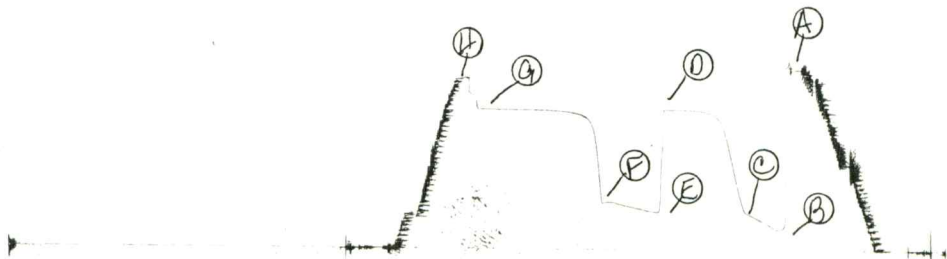
Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 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>63</u>	<u>975</u>
P 2						<u>66</u>	<u>975</u>
P 3						<u>69</u>	<u>975</u>
P 4						<u>72</u>	<u>975</u>
P 5						<u>75</u>	<u>975</u>
P 6						<u>78</u>	<u>975</u>
P 7						<u>81</u>	<u>975</u>
P 8						<u>84</u>	<u>975</u>
P 9						<u>87</u>	<u>975</u>
P10						<u>90</u>	<u>975</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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TK#12918
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Company <u>Pickrell Drilling Company</u>				Lease & Well No. <u>Komarek "A" #1</u>			
Elevation <u>1747 Kelly Bushing Mississippi</u>				Effective Pay <u>-</u> Ft. Ticket No. <u>13009</u>			
Date <u>8/18/81</u> Sec. <u>11</u> Twp. <u>29S</u> Range <u>10W</u>				County <u>Kingman</u> State <u>Kansas</u>			
Test Approved by <u>Joyce McNeil</u>				Western Representative <u>Rod Tritt</u>			
Formation Test No. <u>2</u>		Interval Tested from <u>4247</u> ft. to <u>4256</u> ft.		Total Depth <u>4256</u> ft.			
Packer Depth <u>4245</u> ft.		Size <u>6 3/4</u> in.		Packer Depth <u>-</u> ft.		Size <u>-</u> in.	
Packer Depth <u>4247</u> ft.		Size <u>6 3/4</u> in.		Packer Depth <u>-</u> ft.		Size <u>-</u> in.	
Depth of Selective Zone Set <u>-</u>							
Top Recorder Depth (Inside)		<u>4247</u> ft.		Recorder Number <u>2606</u>		Cap. <u>4150</u>	
Bottom Recorder Depth (Outside)		<u>4252</u> ft.		Recorder Number <u>4332</u>		Cap. <u>4200</u>	
Below Straddle Recorder Depth		<u>-</u> ft.		Recorder Number <u>-</u>		Cap. <u>-</u>	
Drilling Contractor <u>Pickrell Drilling</u>				Drill Collar Length <u>-</u> I. D. <u>-</u> in.			
Mud Type <u>drispac</u> Viscosity <u>48</u>				Weight Pipe Length <u>-</u> I. D. <u>-</u> in.			
Weight <u>9.6</u> Water Loss <u>20</u> cc.				Drill Pipe Length <u>4227</u> I. D. <u>3.8</u> in.			
Chlorides <u>25,000</u> P.P.M.				Test Tool Length <u>20</u> ft. Tool Size <u>5 1/2 OD</u> in.			
Jars: Make <u>No</u> Serial Number <u>-</u>				Anchor Length <u>9</u> ft. Size <u>5 1/2 OD</u> in.			
Did Well Flow? <u>No</u> Reversed Out <u>NO</u>				Surface Choke Size <u>3/4</u> in. Bottom Choke Size <u>3/4</u> in.			
				Main Hole Size <u>7 7/8</u> in. Tool Joint Size <u>4 1/2 FH</u> in.			
Blow: <u>Weak blow for twenty minutes on initial flow period. Weak blow five minutes on final flow period. Flushed tool.</u>							
Recovered <u>65</u> ft. of <u>oil spotted mud</u>							
Recovered <u> </u> ft. of <u> </u>							
Recovered <u> </u> ft. of <u> </u>							
Recovered <u> </u> ft. of <u> </u>							
Recovered <u> </u> ft. of <u> </u>							
Remarks: <u> </u>							
Time Set Packer(s) <u>4:30</u> A.M. P.M. Time Started Off Bottom <u>5:45</u> A.M. P.M. Maximum Temperature <u>124°</u>							
Initial Hydrostatic Pressure		(A) <u>2167</u>		P.S.I.			
Initial Flow Period		Minutes <u>25</u> (B)		<u>17</u>		P.S.I. to (C) <u>19</u> P.S.I.	
Initial Closed In Period		Minutes <u>27</u> (D)		<u>1180</u>		P.S.I.	
Final Flow Period		Minutes <u>15</u> (E)		<u>56</u>		P.S.I. to (F) <u>62</u> P.S.I.	
Final Closed In Period		Minutes <u>--</u> (G)		<u>--</u>		P.S.I.	
Final Hydrostatic Pressure		(H) <u>2125</u>		P.S.I.			

WESTERN TESTING CO., INC.

Pressure Data

Date 8/18/81 Recorder No. 2606 Capacity 4150 Test Ticket No. 13009
 Clock No. -- Elevation 1747 Kelly Bushing Location 4249 Ft. --
 Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2167	P.S.I.	4:30P	M
B First Initial Flow Pressure	17	P.S.I.	30	25 Mins.
C First Final Flow Pressure	19	P.S.I.	30	27 Mins.
D Initial Closed-in Pressure	1180	P.S.I.	15	15 Mins.
E Second Initial Flow Pressure	56	P.S.I.	--	-- Mins.
F Second Final Flow Pressure	62	P.S.I.		
G Final Closed-in Pressure	--	P.S.I.		
H Final Hydrostatic Mud	2125	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>0</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>17</u>	<u>0</u>	<u>19</u>	<u>0</u>	<u>56</u>		
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>40</u>	<u>5</u>	<u>56</u>		
P 3 <u>10</u>	<u>17</u>	<u>6</u>	<u>148</u>	<u>10</u>	<u>62</u>		
P 4 <u>15</u>	<u>17</u>	<u>9</u>	<u>356</u>	<u>15</u>	<u>62</u>		
P 5 <u>20</u>	<u>17</u>	<u>12</u>	<u>566</u>				
P 6 <u>25</u>	<u>19</u>	<u>15</u>	<u>740</u>				
P 7		<u>18</u>	<u>892</u>				
P 8		<u>21</u>	<u>1019</u>				
P 9		<u>24</u>	<u>1120</u>				
P10		<u>27</u>	<u>1180</u>				
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

2606 DST #2

TRT # 13009
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