

Company Pickrell Drilling Company Lease & Well No. Hicks #1-"A"
 Elevation 2357 Kelly Bushing Mississippi Formation --- Effective Pay --- Ft. Ticket No. 3336
 Date 7/31/79 Sec. 11 Twp. 28S Range 21W County Ford State Kansas
 Test Approved by Mike G. Russell Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4496 ft. to 5023 ft. Total Depth 5023 ft.
 Packer Depth 4991 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4996 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set ---

Top Recorder Depth (Inside) 5013 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 5016 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Pickrell Drilling Rig #1 Drill Collar Length 236 I. D. - in.
 Mud Type premix-driscopac Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 9.4 Water Loss 16.4 cc. Drill Pipe Length - I. D. - in.
 Chlorides 28,000 P.P.M. Test Tool Length 28 ft. Tool Size - in.
 Jars: Make WTC Serial Number 410 Anchor Length 27 ft. Size - in.
 Did Well Flow? Yes 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 - in.

Blow: Strong lbow throughout flow periods. Gas to surface in one minute on pre-flow.

Recovered 65 ft. of clean oil (Gravity 36⁰)
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Time Set Packer(s) 4:00 A.M. --- Time Started Off Bottom 8:00 A.M. --- Maximum Temperature 123
 Initial Hydrostatic Pressure (A) 2517 P.S.I.
 Initial Flow Period Minutes 30 (B) 835 P.S.I. to (C) 845 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1454 P.S.I.
 Final Flow Period Minutes 60 (E) 900 P.S.I. to (F) 868 P.S.I.
 Final Closed In Period Minutes 90 (G) 1437 P.S.I.
 Final Hydrostatic Pressure (H) 2403 P.S.I.



GAS FLOW REPORT

Date 7/31/79 Ticket 3336 Company Pickrell Drilling Company
 Well Name and No. Hicks #1-"A" Dst No. 1 Interval Tested 4996'-5023'
 County Ford State Kansas Sec. 11 Twp. 28S Rg. 21W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria 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						
	5 min.	99 lbs.	1 1/2" orifice			6,677,000 CFPD
	10 min.	100 lbs.	1 1/2" orifice			6,737,000 CFPD
	20 min.	100 lbs.	1 1/2" orifice			6,737,000 CFPD
	30 min.	100 lbs.	1 1/2" orifice			6,737,000 CFPD

SECOND FLOW						
	5 min.	90 lbs.	2" orifice			9,980,000 CFPD
	10 min.	100 lbs.	2" orifice			10,900,000 CFPD
	20 min.	100 lbs.	2" orifice			10,900,000 CFPD
	30 min.	100 lbs.	2" orifice			10,900,000 CFPD
	40 min.	100 lbs.	2" orifice			10,900,000 CFPD
	50 min.	100 lbs.	2" orifice			10,900,000 CFPD
	60 min.	100 lbs.	2" orifice			10,900,000 CFPD
			Stabalized after five minutes.			

GAS BOTTLE

Serial No. -- Date Bottle Filled -- Date to be Invoiced 7/31/79

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% per month, equal to 12% 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 Mike G. Russell

WESTERN TESTING CO., INC.

Pressure Data

Date 7/31/79 Test Ticket No. 3336
 Recorder No. 2607 Capacity 4150 Location 5013 Ft.
 Clock No. -- Elevation 2357 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2517	P.S.I.	4:00A	M
B. First Initial Flow Pressure	835	P.S.I.	30	Mins. 30 Mins.
C. First Final Flow Pressure	845	P.S.I.	60	Mins. 60 Mins.
D. Initial Closed-in Pressure	1454	P.S.I.	60	Mins. 60 Mins.
E. Second Initial Flow Pressure	900	P.S.I.	90	Mins. 90 Mins.
F. Second Final Flow Pressure	868	P.S.I.		
G. Final Closed-in Pressure	1437	P.S.I.		
H. Final Hydrostatic Mud	2403	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>90</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	835	0	845	0	900	0	868
P 2	5	845	3	1284	5	900	3	1234
P 3	10	852	6	1347	10	900	6	1297
P 4	15	852	9	1374	15	900	9	1332
P 5	20	852	12	1395	20	900	12	1355
P 6	25	847	15	1410	25	898	15	1376
P 7	30	845	18	1420	30	891	18	1389
P 8			21	1429	35	887	21	1397
P 9			24	1433	40	881	24	1406
P10			27	1437	45	879	27	1412
P11			30	1441	50	877	30	1418
P12			33	1445	55	875	33	1424
P13			36	1446	60	868	36	1427
P14			39	1447			39	1429
P15			42	1448			42	1431
P16			45	1449			45	1431
P17			48	1450			48	1431
P18			51	1451			51	1431
P19			54	1452			54	1431
P20			57	1453			57	1431
			60	1454			60	1431

WESTERN TESTING CO., INC.
Pressure Data

Date 7/31/79 Test Ticket No. 3336
 Recorder No. 2607 Capacity 4150 Location 5013 Ft.
 Clock No. --- Elevation 2357 Kelly Bushing Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2517	P.S.I.	4:00A	M
B First Initial Flow Pressure	835	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	845	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1454	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	900	P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	868	P.S.I.		
G Final Closed-in Pressure	1437	P.S.I.		
H Final Hydrostatic Mud	2403	P.S.I.		

PRESSURE BREAKDOWN

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

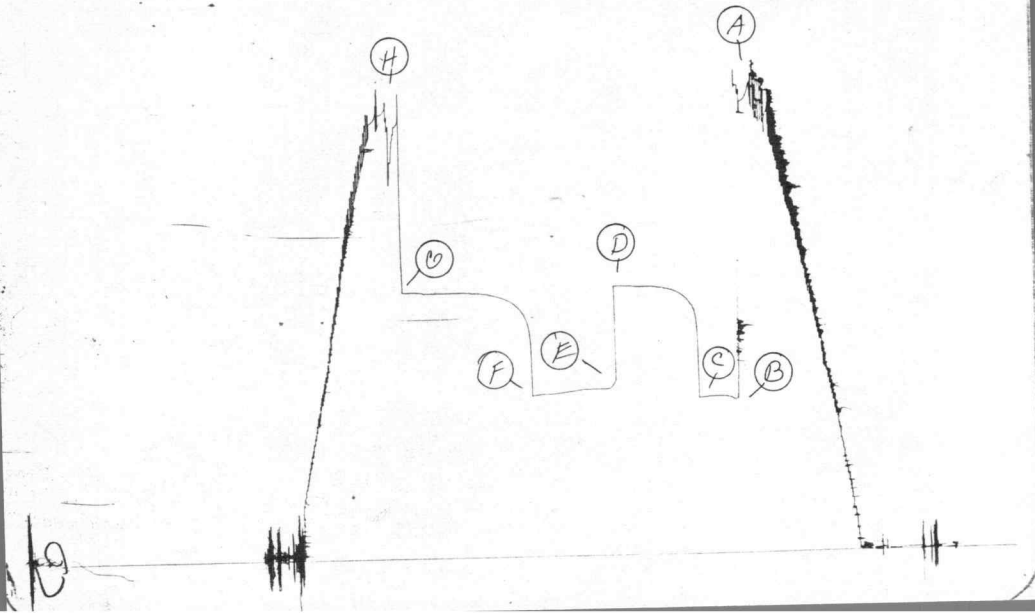
Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 90 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						63	1431
P 2						66	1431
P 3						69	1431
P 4						72	1431
P 5						75	1431
P 6						78	1435
P 7						81	1437
P 8						84	1437
P 9						87	1437
P10						90	1437
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 3336
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Company Pickrell Drilling Company Lease & Well No. Hicks "A" #1
 Elevation 2357 Kelly Bushing Mississippi Formation Effective Pay -- Ft. Ticket No. 3337
 Date 7/31/79 Sec. 11 Twp. 28S Range 21W County Ford State Kansas
 Test Approved by Mike G. Russell Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 5023' ft. to 5043' ft. Total Depth 5043' ft.

Packer Depth 5018 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 5023 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 5033 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 5036 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Pickrell Drilling Drill Collar Length 236 I. D. 2 1/4 in.

Mud Type premix-driscpac Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 15.4 cc. Drill Pipe Length 4763 I. D. 3.8 in.

Chlorides 21,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 410 Anchor Length 15 ft. Size 5 1/2 OD in.

Did Well Flow? Yes 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 1/2 FH in.

Blow: Strong blow throughout flow periods. Gas to surface in seven minutes on pre-flow. See attached sheet for gas measurements.

Recovered 190 ft. of muddy oil

Recovered 120 ft. of muddy water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:30 ^{A.M.}/_{P.M.} Time Started Off Bottom 12:30 ^{A.M.}/_{P.M.} Maximum Temperature 124

Initial Hydrostatic Pressure 2548 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 104 P.S.I. to (C) 95 P.S.I.

Initial Closed In Period 60 Minutes (D) 1439 P.S.I.

Final Flow Period 60 Minutes (E) 127 P.S.I. to (F) 121 P.S.I.

Final Closed In Period 90 Minutes (G) 1448 P.S.I.

Final Hydrostatic Pressure 2521 (H) P.S.I.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 7/31/79 Ticket 3337 Company Pickrell Drilling Company
Well Name and No. Hicks #1-A Dst No. 2 Interval Tested 5028'-5043'
County Ford State Kansas Sec. 11 Twp. 28S Rg. 21W

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 7 minutes.						
	12 min.	16" of water	1" orifice			103,000 CFPD
	17 min.	15" of water	1" orifice			101,000 CFPD
	27 min.	15" of water	1" orifice			101,000 CFPD

SECOND FLOW						
	5 min.	26" of water	1 1/4" orifice			224,000 CFPD
	10 min.	19" of water	1 1/4" orifice			191,000 CFPD
	20 min.	9 " of water	1 1/4" orifice			132,000 CFPD
	30 min.	8" of water	1 1/4" orifice			124,000 CFPD
	40 min.	8" of water	1 1/4" orifice			124,000 CFPD
	50 min.	8" of water	1 1/4" orifice			124,000 CFPD
	60 min.	8" of water	1 1/4" orifice			124,000 CFPD

GAS BOTTLE

Serial No. 615 Date Bottle Filled 7/31/79 Date to be Invoiced 7/31/79

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% per month, equal to 12% 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 Mike G. Russell

WESTERN TESTING CO., INC.
Pressure Data

Date 7/31/79 Test Ticket No. 3337
 Recorder No. 2607 Capacity 4150 Location 5033 Ft.
 Clock No. -- Elevation 2357 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2548	P.S.I.	8:30P	M
B. First Initial Flow Pressure	104	P.S.I.	30	30 Mins.
C. First Final Flow Pressure	95	P.S.I.	60	60 Mins.
D. Initial Closed-in Pressure	1439	P.S.I.	60	60 Mins.
E. Second Initial Flow Pressure	127	P.S.I.	90	90 Mins.
F. Second Final Flow Pressure	121	P.S.I.		
G. Final Closed-in Pressure	1448	P.S.I.		
H. Final Hydrostatic Mud	2521	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: 12 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	0	0	104	0	95	0	127
P 2	5	3	99	3	693	3	123
P 3	10	6	95	6	929	6	114
P 4	15	9	95	9	1063	9	114
P 5	20	12	95	12	1153	12	114
P 6	25	15	95	15	1219	15	114
P 7	30	18	95	18	1259	18	114
P 8		21		21	1295	21	114
P 9		24		24	1324	24	114
P10		27		27	1347	27	118
P11		30		30	1364	30	118
P12		33		33	1382	33	121
P13		36		36	1395	36	121
P14		39		39	1406	39	
P15		42		42	1412	42	
P16		45		45	1420	45	
P17		48		48	1424	48	
P18		51		51	1431	51	
P19		54		54	1433	54	
P20		57		57	1435	57	
		60		60	1439	60	

WESTERN TESTING CO., INC.
Pressure Data

Date 7/31/79 Test Ticket No. 3337
 Recorder No. 2607 Capacity 4150 Location 5033 Ft.
 Clock No. -- Elevation 2357 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2548	P.S.I.	8:30P	M
B First Initial Flow Pressure	104	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	95	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1439	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	127	P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	121	P.S.I.		
G Final Closed-in Pressure	1448	P.S.I.		
H Final Hydrostatic Mud	2521	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>12</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						63	1442
P 2						66	1443
P 3						69	1444
P 4						72	1445
P 5						75	1445
P 6						78	1446
P 7						81	1447
P 8						84	1448
P 9						87	1448
P10						90	1448
P11							
P12							
P13							
P14							
P15							
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