Company Petroleum Energy, Inc. Lease & Well No. #1 "A" Wilson

Elevation 1826 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 16534

Date 9/15/82 Sec. 16 Twp. 20S Range 10W County Rice State Kansas

Test Approved by Michael J Wreath Western Representative Gregory Saffa

Formation Test No. 1 Interval Tested from 3150 ft. to 3162 ft. Total Depth 3162 ft.

Packer Depth 3145 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3150 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3156 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3157 ft. Recorder Number 13401 Cap. 4000

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

Drilling Contractor White & Ellis Drill Collar Length 275 I. D. 2.2 in.

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

Weight 10.1 Water Loss 15.8 cc. Drill Pipe Length 2854 I. D. 3.8 in.

Chlorides 68,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½ in.

Jars: Make - Serial Number - Anchor Length 12 ft. Size 5½ in.

Did Well Flow? No Reversed Out - 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: Initial flow period started fair and build to strong blow off bottom of bucket in 8 min.
Final flow period strong blow throughout.

Recovered 275 ft. of gas in pipe

Recovered 70 ft. of 31% gas; 14% oil; 20% water ; 35% mud (First 70 ft.)

Recovered 60 ft. of 17% mud; 15% water; 15% oil; 53% gas (Middle 60 ft.)

Recovered 60 ft. of 11% mud; 13% water; 33% oil; 43% gas (Last 60 ft.)

Recovered ft. of Chlorides 90,000 PPM

Remarks:

Time Set Packer(s) 5:00 A.M. P.M. Time Started Off Bottom 7:00 A.M. P.M. Maximum Temperature 110

Initial Hydrostatic Pressure			(A)	1687	P.S.I.	
Initial Flow Period	Minutes	30	(B)	59	P.S.I. to (C)	66 P.S.I.
Initial Closed In Period	Minutes	30	(D)	780	P.S.I.	
Final Flow Period	Minutes	30	(E)	85	P.S.I. to (F)	90 P.S.I.
Final Closed In Period	Minutes	33	(G)	592	P.S.I.	
Final Hydrostatic Pressure			(H)	1687	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 9/15/82

Test Ticket No. 16534

Recorder No. 3659 Capacity 4000 Location 3156 Ft.

Clock No. - Elevation 1826 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1687 P.S.I.	Open Tool	5:00 M	
B First Initial Flow Pressure	59 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	66 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	780 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	85 P.S.I.	Final Closed-in Pressure	30 Mins.	33 Mins.
F Second Final Flow Pressure	90 P.S.I.			
G Final Closed-in Pressure	592 P.S.I.			
H Final Hydrostatic Mud	1687 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	59
P 2 5	59
P 3 10	59
P 4 15	59
P 5 20	62
P 6 25	64
P 7 30	66
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	66
3	93
6	141
9	192
12	259
15	331
18	432
21	533
24	634
27	716
30	780

Second Flow Pressure

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

Point Minutes	Press.
0	85
5	85
10	85
15	86
20	87
25	89
30	90

Final Shut-In

Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	90
3	100
6	122
9	158
12	202
15	247
18	302
21	361
24	429
27	500
30	568
33	592

IKT #: 16534

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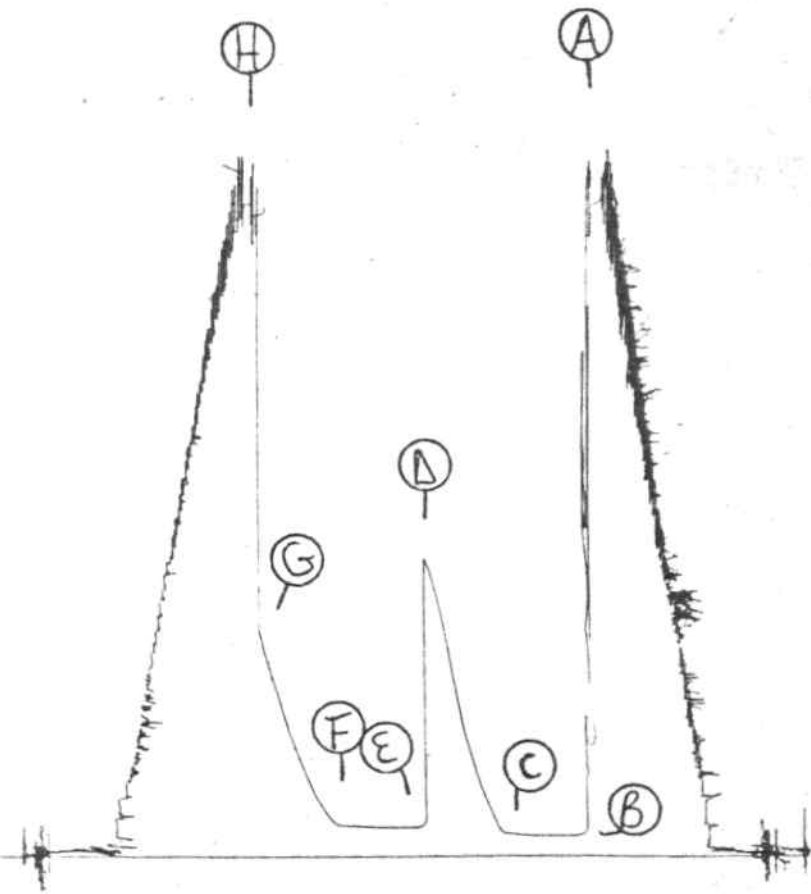

3659

Company Petroleum Energy, Inc. Lease & Well No. #1 "A" Wilson

Elevation 1826 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 16535

Date 9/16/82 Sec. 16 Twp. 20S Range 10W County Rice State Kansas

Test Approved by Michael J Wreath Western Representative Gregory Saffa

Formation Test No. 2 Interval Tested from 3167 ft. to 3219 ft. Total Depth 3219 ft.

Packer Depth 3162 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3167 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3173 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3174 ft. Recorder Number 13401 Cap. 4000

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

Drilling Contractor White & Ellis Drill Collar Length 275 I. D. 2.2 in.

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

Weight 10.1 Water Loss 15.8 cc. Drill Pipe Length 2877 I. D. 3.8 in.

Chlorides 68,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 52 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 4½FH in.

Blow: Weak blow throughout test.

Recovered 60 ft. of very light oil spotted gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:45 A.M. P.M. Time Started Off Bottom 7:15 A.M. P.M. Maximum Temperature 109

Initial Hydrostatic Pressure (A) 1679 P.S.I.

Initial Flow Period Minutes 30 (B) 57 P.S.I. to (C) 57 P.S.I.

Initial Closed In Period Minutes 45 (D) 224 P.S.I.

Final Flow Period Minutes 30 (E) 67 P.S.I. to (F) 67 P.S.I.

Final Closed In Period Minutes 45 (G) 188 P.S.I.

Final Hydrostatic Pressure (H) 1649 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 9/16/82

Test Ticket No. 16535

Recorder No. 3659 Capacity 4000 Location 3173 Ft.

Clock No. - Elevation 1826 Kelly Bushing Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1679 P.S.I.	Open Tool	4:45 M	
B First Initial Flow Pressure	57 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	57 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	224 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	67 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	67 P.S.I.			
G Final Closed-in Pressure	188 P.S.I.			
H Final Hydrostatic Mud	1649 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	57
P 2 5	57
P 3 10	57
P 4 15	57
P 5 20	57
P 6 25	57
P 7 30	57
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	57
3	58
6	62
9	63
12	68
15	76
18	84
21	94
24	105
27	117
30	131
33	145
36	161
39	178
42	202
45	224

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

Point Minutes	Press.
0	67
5	67
10	67
15	67
20	67
25	67
30	67

Final Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	67
3	70
6	72
9	73
12	77
15	84
18	92
21	101
24	111
27	122
30	134
33	146
36	159
39	172
42	185
45	188

TKT # 16535

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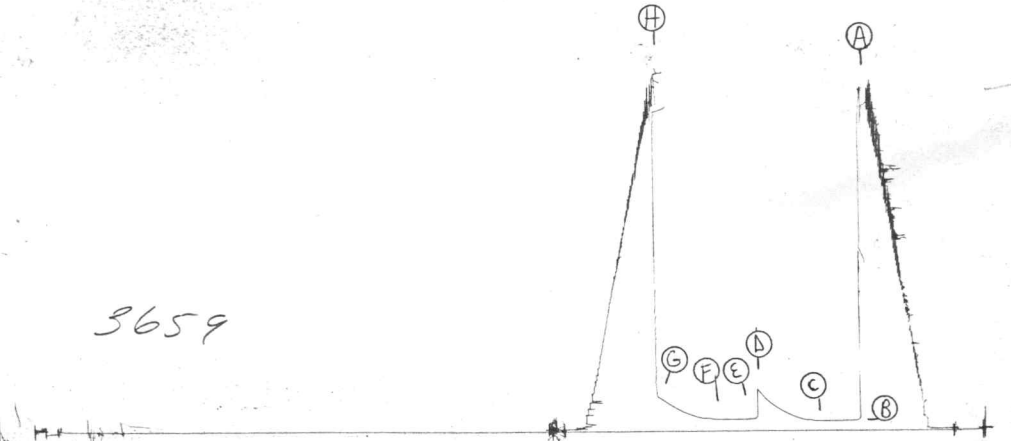

9659

Company Petroleum Energy, Inc. Lease & Well No. #1 "A" Wilson

Elevation 1826 Kelly Bushing Formation Marmaton Effective Pay - Ft. Ticket No. 16536

Date 9/17/82 Sec. 16 Twp. 20S Range 10W County Rice State Kansas

Test Approved by Michael J Wreath Western Representative Gregory Saffa

Formation Test No. 3 Interval Tested from 3320 ft. to 3340 ft. Total Depth 3340 ft.

Packer Depth 3315 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3320 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3332 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3333 ft. Recorder Number 13401 Cap. 4000

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

Drilling Contractor White & Ellis Drill Collar Length 275 I. D. 2.2 in.

Mud Type Starch Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 11.2 Water Loss 18.0 cc. Drill Pipe Length 3024 I. D. - in.

Chlorides 51,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½ in.

Jars: Make No Serial Number - Anchor Length 20 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 4½FH in.

Blow: Initial flow period weak blow - died in 11 minutes.
Final flow period no blow - flushed tool - still no blow.

Recovered 6 ft. of mud with very light oil spots

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:45 A.M. P.M. Time Started Off Bottom 11:45 A.M. P.M. Maximum Temperature 109

Initial Hydrostatic Pressure			(A)	1769	P.S.I.	
Initial Flow Period	Minutes 15	(B)	54	P.S.I. to (C)	54	P.S.I.
Initial Closed In Period	Minutes 15	(D)	61	P.S.I.		
Final Flow Period	Minutes 15	(E)	55	P.S.I. to (F)	54	P.S.I.
Final Closed In Period	Minutes 15	(G)	56	P.S.I.		
Final Hydrostatic Pressure		(H)	1769	P.S.I.		

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 9/17/82 Test Ticket No. 16536

Recorder No. 3659 Capacity 4000 Location 3332 Ft.

Clock No. - Elevation 1826 Kelly Bushing Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1769 P.S.I.	Open Tool	10:45 M	
B First Initial Flow Pressure	54 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	54 P.S.I.	Initial Closed-in Pressure	15 Mins.	15 Mins.
D Initial Closed-in Pressure	61 P.S.I.	Second Flow Pressure	15 Mins.	15 Mins.
E Second Initial Flow Pressure	55 P.S.I.	Final Closed-in Pressure	15 Mins.	15 Mins.
F Second Final Flow Pressure	54 P.S.I.			
G Final Closed-in Pressure	56 P.S.I.			
H Final Hydrostatic Mud	1769 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 5 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 3 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 5 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	54	0	54	0	55	0	54
P 2 5	54	3	55	5	58 Flushed Tool	3	54
P 3 10	54	6	56	10	55	6	55
P 4 15	54	9	57	15	54	9	55
P 5		12	59			12	56
P 6		15	61			15	56
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 16536

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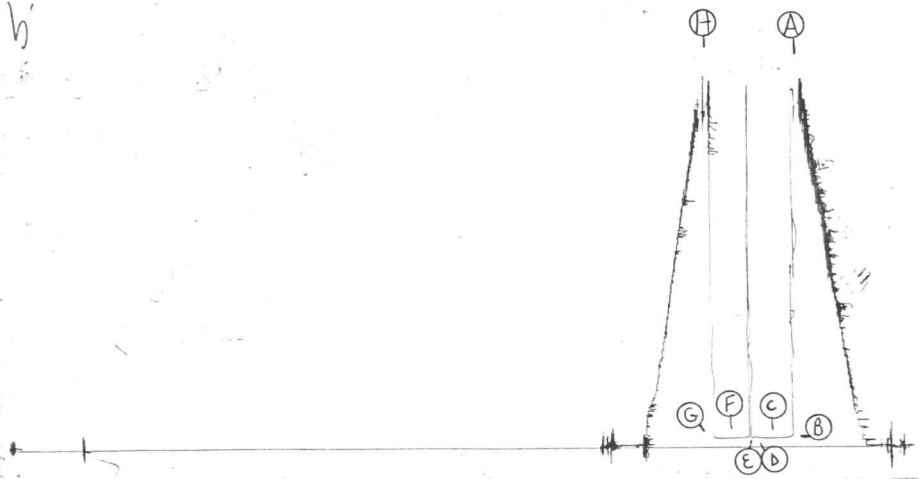

Company Petroleum Energy, Inc. Lease & Well No. #1 "A" Wilson

Elevation 1826 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 16537

Date 9/17/82 Sec. 16 Twp. 20S Range 10W County Rice State Kansas

Test Approved by Michael J Wreath Western Representative Gregory Saffa

Formation Test No. 4 Interval Tested from 3359 ft. to 3375 ft. Total Depth 3375 ft.

Packer Depth 3354 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3359 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3370 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3371 ft. Recorder Number 13401 Cap. 4000

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

Drilling Contractor White & Ellis Drill Collar Length 275 I. D. 2.2 in.

Mud Type Starch Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 16.0 cc. Drill Pipe Length 3063 I. D. 3.8 in.

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

Jars: Make No Serial Number - Anchor Length 16 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 4½FH in.

Blow: Weak blow died in 9 minutes - flushed tool no blow - on initial flow period.
No blow on final flow period.

Recovered 5 ft. of very light oil spotted drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:50 A.M. P.M. Time Started Off Bottom 4:10 A.M. P.M. Maximum Temperature 110

Initial Hydrostatic Pressure			(A)	1792	P.S.I.	
Initial Flow Period	Minutes	25	(B)	57	P.S.I. to (C)	57 P.S.I.
Initial Closed In Period	Minutes	18	(D)	1036	P.S.I.	
Final Flow Period	Minutes	20	(E)	61	P.S.I. to (F)	61 P.S.I.
Final Closed In Period	Minutes	21	(G)	1033	P.S.I.	
Final Hydrostatic Pressure			(H)	1783	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 9/17/82 Test Ticket No. 16537

Recorder No. 3659 Capacity 4000 Location 3370 Ft.

Clock No. - Elevation 1826 Kelly Bushing Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1792 P.S.I.	Open Tool	2:50 M	
B First Initial Flow Pressure	57 P.S.I.	First Flow Pressure	20 Mins.	25 Mins.
C First Final Flow Pressure	57 P.S.I.	Initial Closed-in Pressure	20 Mins.	18 Mins.
D Initial Closed-in Pressure	1036 P.S.I.	Second Flow Pressure	20 Mins.	20 Mins.
E Second Initial Flow Pressure	61 P.S.I.	Final Closed-in Pressure	20 Mins.	21 Mins.
F Second Final Flow Pressure	61 P.S.I.			
G Final Closed-in Pressure	1033 P.S.I.			
H Final Hydrostatic Mud	1783 P.S.I.			

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 6 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 7 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	57		0	57		0	61		0	61
P 2	5	57		3	422		5	61		3	194
P 3	10	57		6	715		10	61		6	550
P 4	15	Flushed Tool		9	871		15	61		9	787
P 5	20	57		12	960		20	61		12	912
P 6	25	57		15	1006					15	978
P 7				18	1036					18	1016
P 8										21	1033
P 9											
P10											
P11											
P12											
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P15											
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TKT # 16537

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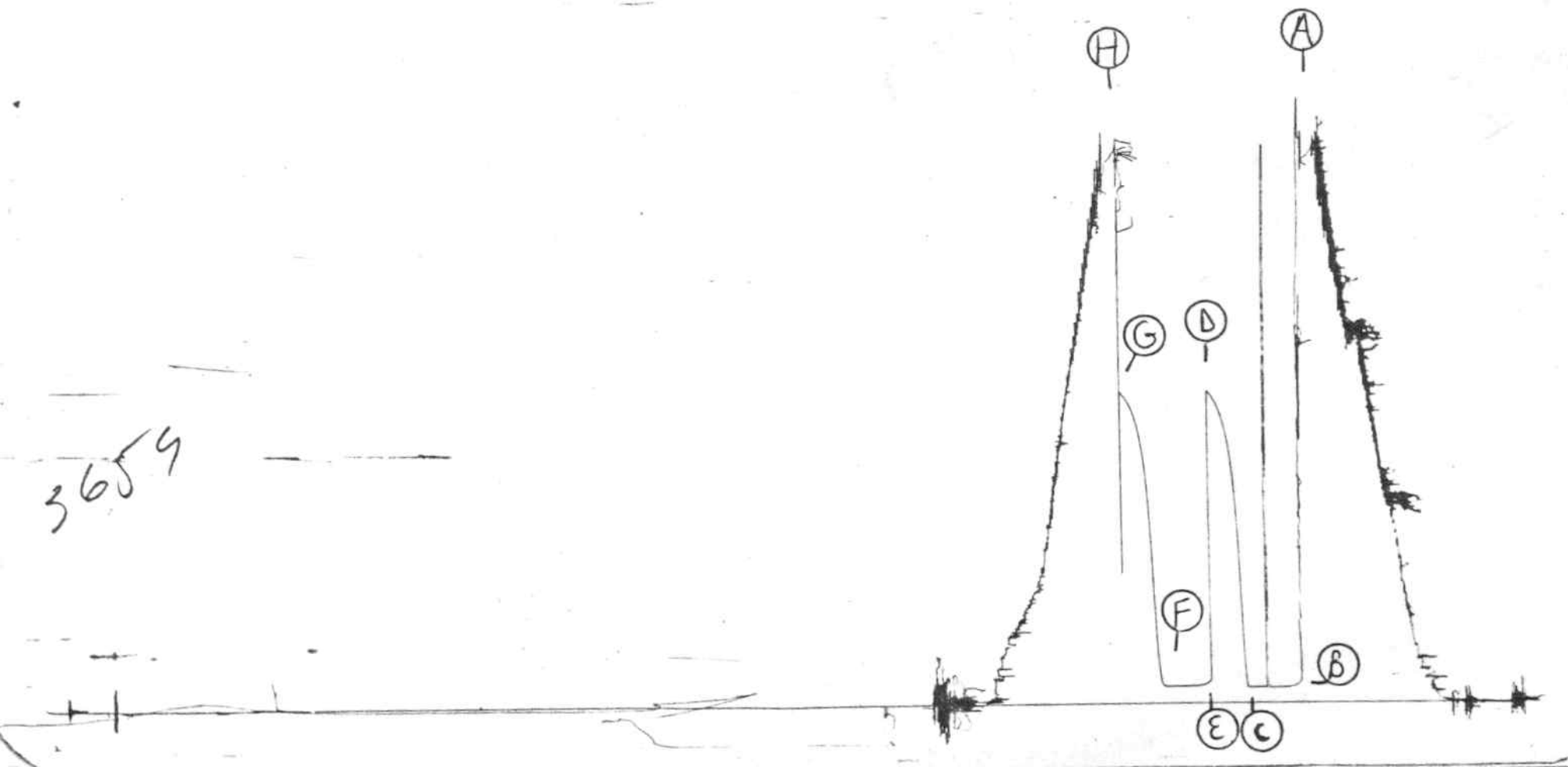

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Company Petroleum Energy, Inc. Lease & Well No. #1 "A" Wilson

Elevation 1826 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 16538

Date 9/18/82 Sec. 16 Twp. 20S Range 10W County Rice State Kansas

Test Approved by Michael J Wreath Western Representative Gregory Saffa

Formation Test No. 5 Interval Tested from 3359 ft. to 3380 ft. Total Depth 3380 ft.

Packer Depth 3354 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3359 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3372 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3373 ft. Recorder Number 13401 Cap. 4000

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

Drilling Contractor White & Ellis Drill Collar Length 275 I. D. 2.2 in.

Mud Type Starch Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 16.0 cc. Drill Pipe Length 3063 I. D. 3.8 in.

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

Jars: Make No Serial Number - Anchor Length 21 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 4½FH in.

Blow: Strong blow throughout test. Gas to surface on both flow periods - not enought to guage.

Recovered 30 ft. of clean oil

Recovered 1148 ft. of 20% gas; 40% water; 40% oil

Recovered 186 ft. of water Chlorides 52,000 PPM

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:15 A.M. P.M. Time Started Off Bottom 4:15 A.M. P.M. Maximum Temperature 114

Initial Hydrostatic Pressure			(A)	1797	P.S.I.	
Initial Flow Period	Minutes 45	(B)	106	P.S.I. to (C)	460	P.S.I.
Initial Closed In Period	Minutes 45	(D)	1114	P.S.I.		
Final Flow Period	Minutes 45	(E)	505	P.S.I. to (F)	689	P.S.I.
Final Closed In Period	Minutes 45	(G)	1111	P.S.I.		
Final Hydrostatic Pressure		(H)	1787	P.S.I.		

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 9/18/82 Test Ticket No. 16538

Recorder No. 3659 Capacity 4000 Location 3372 Ft.

Clock No. - Elevation 1826 Kelly Bushing Well Temperature 114 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	1797 P.S.I.	Open Tool	1:15	M		
B	First Initial Flow Pressure	106 P.S.I.	First Flow Pressure	45	Mins.	45	Mins.
C	First Final Flow Pressure	460 P.S.I.	Initial Closed-in Pressure	45	Mins.	45	Mins.
D	Initial Closed-in Pressure	1114 P.S.I.	Second Flow Pressure	45	Mins.	45	Mins.
E	Second Initial Flow Pressure	505 P.S.I.	Final Closed-in Pressure	45	Mins.	45	Mins.
F	Second Final Flow Pressure	689 P.S.I.					
G	Final Closed-in Pressure	1111 P.S.I.					
H	Final Hydrostatic Mud	1787 P.S.I.					

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 15 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: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point	First Flow Pressure Mins.	First Flow Pressure Press.	Initial Shut-In Point Minutes	Initial Shut-In Press.	Second Flow Pressure Point Minutes	Second Flow Pressure Press.	Final Shut-In Point Minutes	Final Shut-In Press.
P 1	0	106	0	460	0	505	0	689
P 2	5	195	3	1076	5	513	3	1096
P 3	10	222	6	1092	10	537	6	1101
P 4	15	289	9	1099	15	563	9	1104
P 5	20	313	12	1104	20	589	12	1106
P 6	25	363	15	1106	25	613	15	1108
P 7	30	379	18	1108	30	635	18	1109
P 8	35	407	21	1109	35	657	21	1110
P 9	40	441	24	1110	40	679	24	1111
P10	45	460	27	1111	45	689	27	1111
P11			30	1112			30	1111
P12			33	1113			33	1111
P13			36	1114			36	1111
P14			39	1114			39	1111
P15			42	1114			42	1111
P16			45	1114			45	1111
P17								
P18								
P19								
P20								

TKT # 16538

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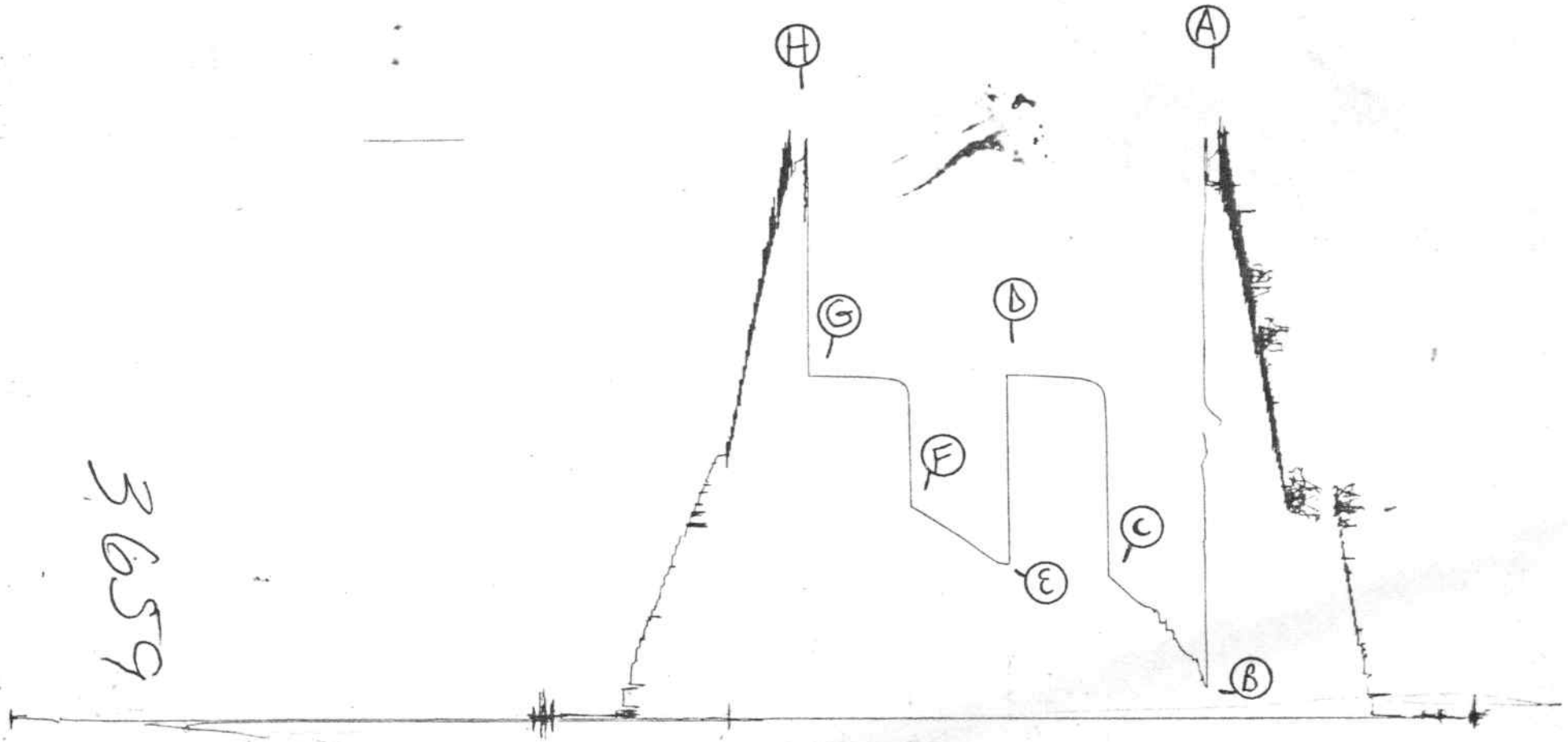

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