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

Elevation 1727 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 5574

Date 4/23/80 Sec. 19 Twp. 18S Range 9W County Rice State Kansas

Test Approved by Jim Musgrove Western Representative Roger Lisenby

Formation Test No. 1 Interval Tested from 3166 ft. to 3220 ft. Total Depth 3220 ft.

Packer Depth 3161 ft. Size 6 3/4 in. Packer Depth 3166 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) 3174 ft. Recorder Number 2603 Cap. 4400

Bottom Recorder Depth (Outside) 3177 ft. Recorder Number 1051 Cap. 4250

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

Drilling Contractor White & Ellis Drlg. Rig #2 Drill Collar Length 285 I. D. 2¼ in.

Mud Type starch Viscosity 39 Weight Pipe Length - I. D. - in.

Weight 10.2 Water Loss 10.4 cc. Drill Pipe Length 2860 I. D. 3.8 in.

Chlorides 95,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make -- Serial Number - Anchor Length 54 ft. Size 5½ with JT DrillPipe 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 1/2 inch in water first opening. Weaker blow barely on top of water second opening.

Recovered 65 ft. of oil cut mud 20% oil;80% mud

Recovered ft. of

Recovered ft. of Chlorides 89,000 ppm

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:40 ~~A.M.~~ P.M. Time Started Off Bottom 2:58 ~~A.M.~~ P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure ..... (A) 1773 P.S.I.

Initial Flow Period ..... Minutes 45 (B) 47 P.S.I. to (C) 50 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 260 P.S.I.

Final Flow Period ..... Minutes 30 (E) 67 P.S.I. to (F) 63 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 200 P.S.I.

Final Hydrostatic Pressure ..... (H) 1726 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 4-23-80 Test Ticket No. 5574

Recorder No. 2603 Capacity 4400 Location 3174 Ft.

Clock No. ---- Elevation 1727 Kelly Bushing Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1773 P.S.I.	Open Tool	12:40 P. M	
B First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	50 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	260 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	67 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	63 P.S.I.			
G Final Closed-in Pressure	200 P.S.I.			
H Final Hydrostatic Mud	1726 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 9 Inc.		Breakdown: 10 Inc.		Breakdown: 6 Inc.		Breakdown: 10 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	47	0	50	0	67	0	63
P 2 5	47	3	62	5	67	3	76
P 3 10	47	6	76	10	Flushed Tool	6	93
P 4 15	47	9	93	15	67	9	113
P 5 20	47	12	122	20	66	12	131
P 6 25	47	15	156	25	65	15	149
P 7 30	47	18	182	30	63	18	160
P 8 35	48	21	209			21	170
P 9 40	49	24	229			24	179
P10 45	50	27	247			27	190
P11		30	260			30	200
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JKt # 5574
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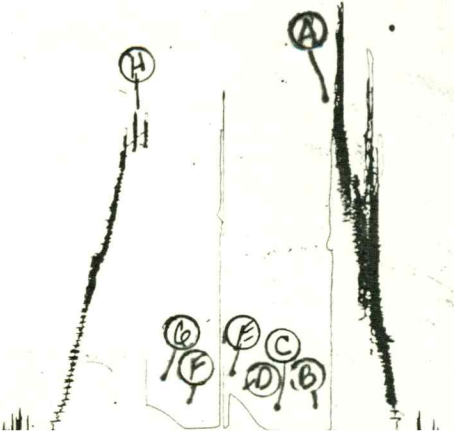

Company Petroleum Energy, Inc. Lease & Well No. Boldt "A"#1

Elevation 1727 Kelly Bushing Formation Arbuckle Effective Pay ----- Ft. Ticket No. 5575

Date 4/23/80 Sec. 19 Twp. 18S Range 9W County Rice State Kansas

Test Approved by Jim Musgrove Western Representative Roger Lisenby

Formation Test No. 2 Interval Tested from 3166 ft. to 3224 ft. Total Depth 3224 ft.

Packer Depth 3161 ft. Size 6 3/4 in. Packer Depth 3166 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) 3178 ft. Recorder Number 2603 Cap. 4400

Bottom Recorder Depth (Outside) 3181 ft. Recorder Number 1051 Cap. 4250

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

Drilling Contractor White & Ellis Drilling Rig#2 Drill Collar Length 285 I. D. 2¼ in.

Mud Type starch Viscosity 39 Weight Pipe Length - I. D. - in.

Weight 10.2 Water Loss 10.4 cc. Drill Pipe Length 2860 I. D. 3.8 in.

Chlorides 95,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make -- Serial Number -- Anchor Length 58 ft. Size 5½ with JT Drill in. Pipe

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 4½XH in.

Blow: 3/4 inches in water decreasing slowly to lne half inch first opening. Very weak second opening, died in six minutes;flushed tool, very weak through rest of opening.

Recovered ft. of

Recovered 60 ft. of oil cut mud 5% oil;95% mud

Recovered ft. of Chlorides 89,000 ppm

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:45 A.M. P.M. Time Started Off Bottom 2:17 A.M. P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure			(A)	1780	P.S.I.	
Initial Flow Period	Minutes 45	(B)	53	P.S.I. to (C)	53	P.S.I.
Initial Closed In Period	Minutes 30	(D)	202	P.S.I.		
Final Flow Period	Minutes 45	(E)	62	P.S.I. to (F)	62	P.S.I.
Final Closed In Period	Minutes 30	(G)	147	P.S.I.		
Final Hydrostatic Pressure		(H)	1720	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 4-23-80 Test Ticket No. 5575

Recorder No. 2603 Capacity 4400 Location 3178 Ft.

Clock No. ---- Elevation 1727 Kelly Bushing Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1780 P.S.I.	Open Tool	11:45 P M	
B First Initial Flow Pressure	53 P.S.I.	First Flow Pressure	45 Mins.	45 Mins.
C First Final Flow Pressure	53 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	202 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	62 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	62 P.S.I.			
G Final Closed-in Pressure	147 P.S.I.			
H Final Hydrostatic Mud	1720 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: 10 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: 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	53	0	53	0	62	0	62
P 2 5	53	3	62	5	62	3	71
P 3 10	53	6	84	10	Flushed Tool 62	6	84
P 4 15	53	9	102	15	62	9	98
P 5 20	53	12	122	20	62	12	107
P 6 25	53	15	142	25	62	15	117
P 7 30	53	18	154	30	62	18	124
P 8 35	53	21	167	35	62	21	130
P 9 40	53	24	178	40	62	24	136
P10 45	53	27	190	45	62	27	141
P11		30	202			30	147
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

2603
Test # 24

JK #5575
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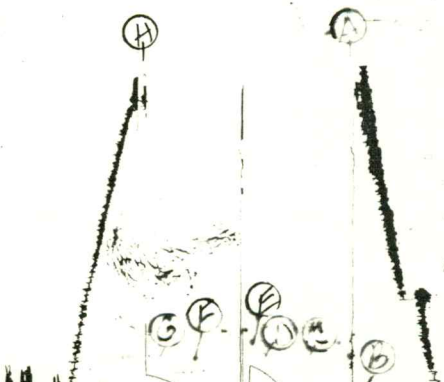

Company Petroleum Energy, Inc. Lease & Well No. Boldt "A"#1

Elevation 1727 Kelly Bushing Formation Arbuckle Effective Pay -- Ft. Ticket No. 5526

Date 4/24/80 Sec. 19 Twp. 18S Range 9W County Rice State Kansas

Test Approved by Jim Musgrove Western Representative Roger Lisenby

Formation Test No. 3 Interval Tested from 3166 ft. to 3228 ft. Total Depth 3228 ft.

Packer Depth 3161 ft. Size 6 3/4 in. Packer Depth 3166 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 2603 Cap. 4400

Bottom Recorder Depth (Outside) 3185 ft. Recorder Number 1051 Cap. 4250

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

Drilling Contractor White & Ellis Drlg Rig #2 Drill Collar Length 285 I. D. 2¼ in.

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

Weight 10.2 Water Loss 10.4 cc. Drill Pipe Length 2860 I. D. 3.8 in.

Chlorides 95,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make -- Serial Number - Anchor Length 62 ft. Size 5½ with JT Drill in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 Pipe in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH in.

Blow: Weak blow 1/2 inch in water first opening. Weaker blow barely on top of water on second opening.

Recovered 50 ft. of oil cut mud 8% oil;92% mud (no water)

Recovered ft. of

Recovered ft. of

Recovered ft. of Chlorides 89,000 ppm

Recovered ft. of

Remarks:

Time Set Packer(s) 10:40 A.M. ~~P.M.~~ Time Started Off Bottom 12:42 ~~A.M.~~ P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure			(A) 1791	P.S.I.		
Initial Flow Period	Minutes 30	(B) 60	P.S.I. to	(C) 60	P.S.I.	
Initial Closed In Period	Minutes 33	(D) 645	P.S.I.			
Final Flow Period	Minutes 30	(E) 70	P.S.I. to	(F) 70	P.S.I.	
Final Closed In Period	Minutes 33	(G) 648	P.S.I.			
Final Hydrostatic Pressure			(H) 1740	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 4-24-80 Test Ticket No. 5526

Recorder No. 2603 Capacity 4400 Location 3182 Ft.

Clock No. -- Elevation 1727 Kelly Bushing Well Temperature 115 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1791	P.S.I.
B	First Initial Flow Pressure	60	P.S.I.
C	First Final Flow Pressure	60	P.S.I.
D	Initial Closed-in Pressure	645	P.S.I.
E	Second Initial Flow Pressure	70	P.S.I.
F	Second Final Flow Pressure	70	P.S.I.
G	Final Closed-in Pressure	648	P.S.I.
H	Final Hydrostatic Mud	1740	P.S.I.

	Time Given	Time Computed
Open Tool	10:40 A. M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	33 Mins.
Second Flow Pressure	30 Mins.	30 Mins.
Final Closed-in Pressure	30 Mins.	33 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	60
P 2 5	60
P 3 10	60
P 4 15	60
P 5 20	60
P 6 25	60
P 7 30	60
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	60
3	67
6	116
9	202
12	278
15	347
18	402
21	458
24	509
27	555
30	606
33	645

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

Point Minutes	Press.
0	70
5	70
10	70
15	70
20	70
25	70
30	70

Final Shut-In
Breakdown: 11 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	70
3	136
6	222
9	296
12	358
15	413
18	467
21	513
24	557
27	595
30	628
33	648

TK #5526
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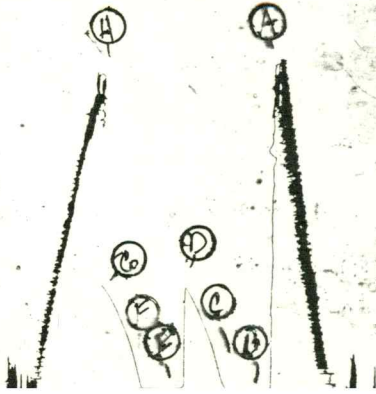

Company Petroleum Energy, Inc. Lease & Well No. Boldt #1

Elevation 1739 Kelly Bush. Formation Arbuckle Effective Pay - Ft. Ticket No. 5455

Date 4-16-80 Sec. 24 Twp. 18S Range 10W County Rice State Kansas

Test Approved by Jim Musgrove Western Representative Rod Tritt

Formation Test No. 4 Interval Tested from 3177 ft. to 3241 ft. Total Depth 3241 ft.

Packer Depth 3172 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3177 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3179 ft. Recorder Number 10207 Cap. 5400

Bottom Recorder Depth (Outside) 3182 ft. Recorder Number 6234 Cap. 4500

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

Drilling Contractor White & Ellis Drlg. Drill Collar Length 310 I. D. 2 1/4 in.

Mud Type Starch Salt Gel Viscosity 43 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 16.4 cc. Drill Pipe Length 2878 I. D. 3.8 in.

Chlorides 72,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 33 & 31 D.P. -64 ft. Size 5½OD + D.P. 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: Weak blow (3" into water) to 1/2" into water on initial flow period. Weak to fair blow 4 1/2" into water on final flow period.

Recovered 20 ft. of thin mud

Recovered 120 ft. of slightly oil cut mud

Recovered 180 ft. of oil cut mud with a trace of water (60% mud, 25-30% oil, 7 % water)

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:10 ~~A.M.~~ P.M. Time Started Off Bottom 4:40 ~~A.M.~~ P.M. Maximum Temperature 122

Initial Hydrostatic Pressure			(A) 1670	P.S.I.		
Initial Flow Period	Minutes 30	(B) 95	P.S.I. to	(C) 108	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 1097	P.S.I.			
Final Flow Period	Minutes 45	(E) 136	P.S.I. to	(F) 217	P.S.I.	
Final Closed In Period	Minutes 45	(G) 1037	P.S.I.			
Final Hydrostatic Pressure			(H) 1665	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 4-16-80 Test Ticket No. 5455

Recorder No. 10207 Capacity 5400 Location 3179 Ft.

Clock No. - Elevation 1739 Kelly Bushing Well Temperature 122 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1670	P.S.I.
B	First Initial Flow Pressure	95	P.S.I.
C	First Final Flow Pressure	108	P.S.I.
D	Initial Closed-in Pressure	1097	P.S.I.
E	Second Initial Flow Pressure	136	P.S.I.
F	Second Final Flow Pressure	217	P.S.I.
G	Final Closed-in Pressure	1037	P.S.I.
H	Final Hydrostatic Mud	1665	P.S.I.

	Time Given	Time Computed
Open Tool	2:10P. M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 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: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 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	95	0	108	0	136	0	217
P 2	5	PLUGGING ACTION	3	1049	5	136	3	984
P 3	10	PLUGGING ACTION	6	1076	10	143	6	997
P 4	15	PLUGGING ACTION	9	1086	15	160	9	1005
P 5	20	PLUGGING ACTION	12	1095	20	176	12	1013
P 6	25	PLUGGING ACTION	15	1097	25	Plugging action	15	1016
P 7	30	108	18	1097	30	Plugging action	18	1019
P 8			21	1097	35	Plugging action	21	1022
P 9			24	1097	40	Plugging action	24	1025
P10			27	1097	45	217	27	1028
P11			30	1097			30	1030
P12							33	1032
P13							36	1034
P14							39	1035
P15							42	1036
P16							45	1037
P17								
P18								
P19								
P20								

TLC #5455-
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