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

Elevation 1772 Kelly Bushing Formation Lansing Effective Pay ---- Ft. Ticket No. 4216

Date 12/17/78 Sec. 17 Twp. 20S Range 9W County Rice State Kansas

Test Approved by David P. Williams Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 3069 ft. to 3087 ft. Total Depth 3087 ft.

Packer Depth 3064 ft. Size 6 3/4 in. Packer Depth 3069 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) 3077 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3080 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Duke Drilling Rig #2 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 55 Weight Pipe Length 370 I. D. 2.8 in.

Weight 10.4 Water Loss 7.0 cc. Drill Pipe Length 2677 I. D. 3.8 in.

Chlorides 68,000 P.P.M. Test Tool Length 22 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number -- Anchor Length 18 ft. Size 5½OD 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 4½XH in.

Blow: Steady one inch blow throughout first flow period. Fair throughout second opening.

Recovered 40 ft. of watery mud

Recovered 45 ft. of muddy water Chlorides 150,000 ppm

Recovered ft. of some oil on top of tool.

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:18 A.M. P.M. Time Started Off Bottom 6:20 A.M. P.M. Maximum Temperature 99°

Initial Hydrostatic Pressure ..... (A) 1743 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 58 P.S.I. to (C) 44 P.S.I.

Initial Closed In Period ..... Minutes 33 (D) 906 P.S.I.

Final Flow Period ..... Minutes 30 (E) 71 P.S.I. to (F) 62 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 854 P.S.I.

Final Hydrostatic Pressure ..... (H) 1721 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/17/79 Test Ticket No. 4216

Recorder No. 3474 Capacity 3000 Location 3077 Ft.

Clock No. ---- Elevation 1772 Kelly Bushing Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1743 P.S.I.	Open Tool	4:18A M	
B First Initial Flow Pressure	58 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	44 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D Initial Closed-in Pressure	906 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	71 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	854 P.S.I.			
H Final Hydrostatic Mud	1721 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 11 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	58	0	44	0	71	0	62
P 2 5	39	3	86	5	59	3	86
P 3 10	38	6	212	10	56	6	217
P 4 15	38	9	394	15	58	9	394
P 5 20	37	12	562	20	59	12	533
P 6 25	41	15	668	25	61	15	637
P 7 30	44	18	745	30	62	18	711
P 8		21	800			21	759
P 9		24	844			24	795
P10		27	871			27	826
P11		30	892			30	854
P12		33	906				
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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Tkt # 4216
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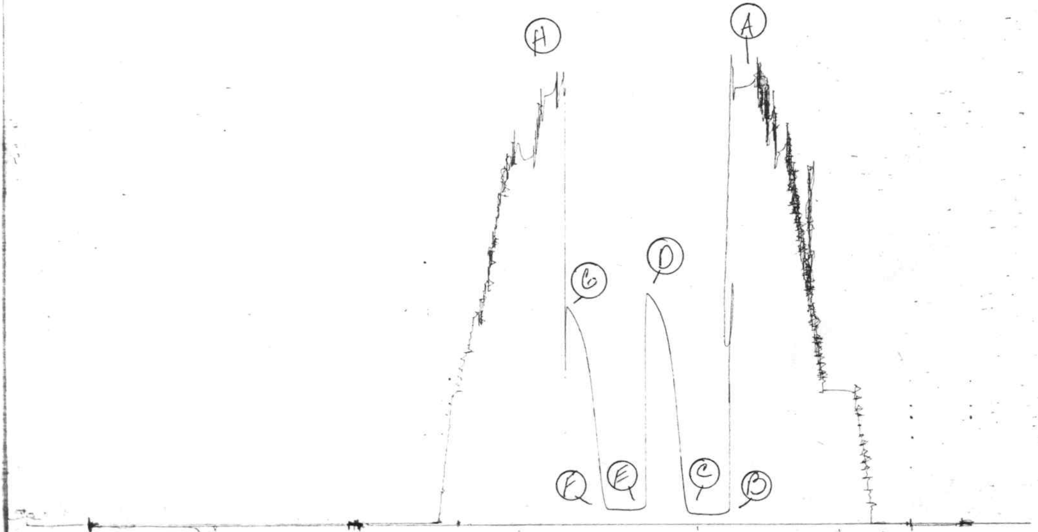

Company Petroleum Energy, Inc. Lease & Well No. Melcher #1

Elevation 1772 Kelly Bushing Formation Arbuckle Effective Pay ---- Ft. Ticket No. 4217

Date 12/18/79 Sec. 17 Twp. 20S Range 9W County Rice State Kansas

Test Approved by David P. Williams Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 3305 ft. to 3311 ft. Total Depth 3311 ft.

Packer Depth 3300 ft. Size 6 3/4 in. Packer Depth 3305 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) 3295 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3307 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Duke Drilling Rig #2 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 48 Weight Pipe Length 865 I. D. 2.8 in.

Weight 10.7 Water Loss 11.6 cc. Drill Pipe Length 2415 I. D. 3.8 in.

Chlorides 76,000 P.P.M. Test Tool Length 27 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number -- Anchor Length 6 ft. Size 5½OD 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 4½XH in.

Blow: Very weak ; died in twenty five minutes on first flow period. No blow on second opening.

Recovered 10 ft. of very slightly oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:28 ~~A.M.~~ P.M. Time Started Off Bottom 3:00 ~~A.M.~~ P.M. Maximum Temperature 103

Initial Hydrostatic Pressure ..... (A) 1901 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 21 P.S.I. to (C) 16 P.S.I.

Initial Closed In Period ..... Minutes 15 (D) 45 P.S.I.

Final Flow Period ..... Minutes 20 (E) 24 P.S.I. to (F) 18 P.S.I.

Final Closed In Period ..... Minutes 20 (G) 48 P.S.I.

Final Hydrostatic Pressure ..... (H) 1886 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 12/18/79 Test Ticket No. 4217

Recorder No. 3474 Capacity 3000 Location 3295 Ft.

Clock No. ---- Elevation 1772 Kelly Bushing Well Temperature 103 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1901	P.S.I.
B	First Initial Flow Pressure	21	P.S.I.
C	First Final Flow Pressure	16	P.S.I.
D	Initial Closed-in Pressure	45	P.S.I.
E	Second Initial Flow Pressure	24	P.S.I.
F	Second Final Flow Pressure	18	P.S.I.
G	Final Closed-in Pressure	48	P.S.I.
H	Final Hydrostatic Mud	1886	P.S.I.

	Time Given	Time Computed
Open Tool	1:28P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	20 Mins.	15 Mins.
Second Flow Pressure	20 Mins.	20 Mins.
Final Closed-in Pressure	20 Mins.	20 Mins.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 5 Inc.		Breakdown: 4 Inc.		Breakdown: 6 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 2 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	21	0	16	0	24	0	18
P 2 5	21	3	21	5	24	3	18
P 3 10	16	6	24	10	20	6	21
P 4 15	16	9	32	15	19	9	24
P 5 20	16	12	39	20	18	12	30
P 6 25	16	15	45			15	34
P 7 30	16					18	39
P 8						21	48
P 9							
P10							
P11							
P12							
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P15							
P16							
P17							
P18							
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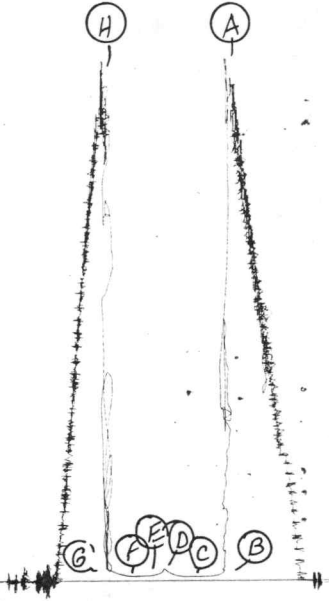
P20							

TKL # 4217



Company Petroelum Energy, Inc. Lease & Well No. Melcher #1

Elevation 1772 Kelly Bushing Formation Arbuckle Effective Pay ---- Ft. Ticket No. 4218

Date 12/19/79 Sec. 17 Twp. 20S Range 9W County Rice State Kansas

Test Approved by David P. Williams Western Representative Denis Wondra

Formation Test No. 3 Interval Tested from 3305 ft. to 3319 ft. Total Depth 3319 ft.

Packer Depth 3297 ft. Size 6 3/4 in. Packer Depth 3305 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) 3309 ft. Recorder Number 3474 Cap. 3000

Bottom Recorder Depth (Outside) 3312 ft. Recorder Number 3659 Cap. 4000

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

Drilling Contractor Duke Drilling Rig #2 Drill Collar Length -- I. D. - in.

Mud Type starch Viscosity 48 Weight Pipe Length 865 I. D. 2.8 in.

Weight 10.7 Water Loss 11.6 cc. Drill Pipe Length 2616 I. D. 3.8 in.

Chlorides 76,000 P.P.M. Test Tool Length 24 ft. Tool Size 5½OD in.

Jars: Make -- Serial Number -- Anchor Length 14 ft. Size 5½OD 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 4½XH in.

Blow: Good. Increased to very good by end of first flow period. Very good throughout second opening.

Recovered 20 ft. of heavily oil cut mud

Recovered 185 ft. of 50% mud; 20% water ;30% oil

Recovered 125 ft. of oil cut muddy water chlorides 50,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:33 A.M. P.M. Time Started Off Bottom 3:35 A.M. P.M. Maximum Temperature 105°

Initial Hydrostatic Pressure ..... (A) 1889 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 47 P.S.I. to (C) 108 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 977 P.S.I.

Final Flow Period ..... Minutes 30 (E) 132 P.S.I. to (F) 164 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 929 P.S.I.

Final Hydrostatic Pressure ..... (H) 1857 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12/19/79 Test Ticket No. 4218

Recorder No. 3474 Capacity 3000 Location 3309 Ft.

Clock No. --- Elevation 1772 Kelly Bushing Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1889 P.S.I.	Open Tool	1:33A M	
B First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	108 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	977 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	132 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	164 P.S.I.			
G Final Closed-in Pressure	929 P.S.I.			
H Final Hydrostatic Mud	1857 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 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	108	0	132	0	164
P 2 5	61	3	455	5	132	3	500
P 3 10	74	6	683	10	138	6	670
P 4 15	80	9	786	15	145	9	759
P 5 20	98	12	847	20	153	12	812
P 6 25	98	15	885	25	159	15	848
P 7 30	108	18	912	30	164	18	871
P 8		21	932			21	886
P 9		24	950			24	902
P10		27	964			27	914
P11		30	977			30	929
P12							
P13							
P14							
P15							
P16							
P17							
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P20							

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