Company Petroleum, Inc. Lease & Well No. Nichols "D"#1

Elevation --- Formation Lansing Effective Pay -- Ft. Ticket No. 15129

Date 12/23/81 Sec. 20 Twp. 29S Range 18W County Kiowa State Kansas

Test Approved by Kenneth Dean Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 4454 ft. to 4480 ft. Total Depth 4480 ft.

Packer Depth 4449 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4454 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4457 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4560 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor DNB Drlg. Rig #2 Drill Collar Length 30 I. D. 2.2 in.

Mud Type starch Viscosity 38 Weight Pipe Length 690 I. D. 3.2 in.

Weight 9.8 Water Loss 12.8 cc. Drill Pipe Length 3705 I. D. 3.8 in.

Chlorides 24,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 405 Anchor Length 26 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: Strong. Gas to surface in four minutes. See attached sheet for gas measurements.

Recovered 240 ft. of slightly oil cut gassy mud

Recovered ft. of Top three stands 42% mud; 8% water; 20% oil; 30% gas

Recovered ft. of Bottom; 18% mud; 10% water; 22% oil; 50% gas

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:45 ~~A.M.~~ P.M. Time Started Off Bottom 7:00 ~~A.M.~~ P.M. Maximum Temperature 119°

Initial Hydrostatic Pressure (A) 2244 P.S.I.

Initial Flow Period Minutes 15 (B) 123 P.S.I. to (C) 91 P.S.I.

Initial Closed In Period Minutes 30 (D) 1571 P.S.I.

Final Flow Period Minutes 60 (E) 82 P.S.I. to (F) 104 P.S.I.

Final Closed In Period Minutes 90 (G) 1575 P.S.I.

Final Hydrostatic Pressure (H) 2244 P.S.I.

GAS FLOW REPORT

Date 12/23/81 Ticket 15129 Company Petroleum, Inc.

Well Name and No. Nichols "D"#1 Dst No. 1 Interval Tested 4454'-4480'

County Kiowa State Kansas Sec. 20 Twp. 29S Rg. 18W

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
Gas to surface in four minutes.				**PRE FLOW**		
	10 min.	11.0 PSIG		1/2" orifice		121,000 CFPD
	15 min.	12.0 PSIG		1/2" orifice		129,000 CFPD
				SECOND FLOW		
	10 min.	22.0 PSIG		1/2" orifice		189,000 CFPD
	20 min.	22.0 PSIG		1/2" orifice		189,000 CFPD
	30 min.	22.0 PSIG		1/2" orifice		189,000 CFPD
	40 min.	22.0 PSIG		1/2" orifice		189,000 CFPD
	50 min.	22.0 PSIG		1/2" orifice		189,000 CFPD
	60 min.	22.0 PSIG		1/2" orifice		189,000 CFPD

GAS BOTTLE

Serial No. ---- Date Bottle Filled ---- Date to be Invoiced 12/23/81

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% 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 Petroleum, Inc.

Kenneth Dean

Authorized by

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 12/23/81 Test Ticket No. 15129

Recorder No. 5673 Capacity 5400 Location 4457 Ft.

Clock No. - Elevation - Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2244 P.S.I.	Open Tool	3:45P M	
B First Initial Flow Pressure	123 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	91 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1571 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	82 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	104 P.S.I.			
G Final Closed-in Pressure	1575 P.S.I.			
H Final Hydrostatic Mud	2244 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	123
P 2 5	100
P 3 10	90
P 4 15	91
P 5	
P 6	
P 7	
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	91
3	869
6	1370
9	1468
12	1509
15	1534
18	1547
21	1556
24	1563
27	1566
30	1571

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

Point Minutes	Press.
0	82
5	82
10	82
15	82
20	86
25	89
30	92
35	95
40	98
45	100
50	102
55	103
60	104

Final Shut-In
Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	104
3	1183
6	1379
9	1454
12	1490
15	1512
18	1525
21	1537
24	1545
27	1550
30	1553
33	1556
36	1559
39	1562
42	1564
45	1566
48	1567
51	1568
54	1569
57	1570
60	1571

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WESTERN TESTING CO., INC.

Pressure Data

Date 12/23/81 Test Ticket No. 15129

Recorder No. 5673 Capacity 5400 Location 4457 Ft.

Clock No. - Elevation - Well Temperature 119 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2244 P.S.I.		Open Tool	3:45P M	
B	First Initial Flow Pressure	123 P.S.I.		First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	91 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1571 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	82 P.S.I.		Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	104 P.S.I.				
G	Final Closed-in Pressure	1575 P.S.I.				
H	Final Hydrostatic Mud	2244 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: 10 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						63	1572
P 2						66	1573
P 3						69	1574
P 4						72	1575
P 5						75	1575
P 6						78	1575
P 7						81	1575
P 8						84	1575
P 9						87	1575
P10						90	1575
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

5673
DSI 41

TKT # 15129

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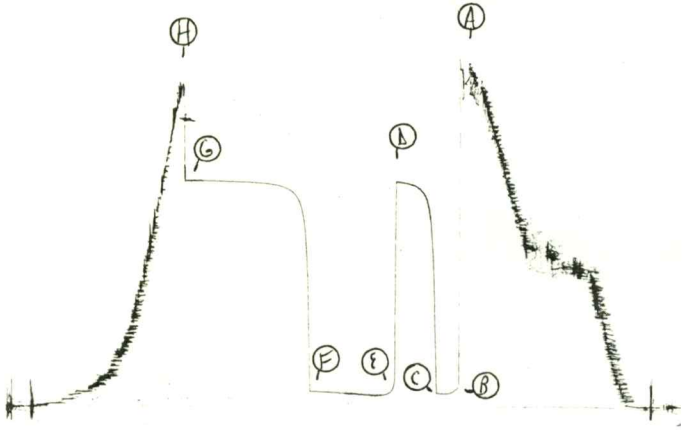

Company Petroleum, Inc. Lease & Well No. Nichols "D"#1

Elevation --- Formation Lansing Effective Pay - Ft. Ticket No. 15130

Date 12/27 /81 Sec. 20 Twp. 29S Range 18W County Kiowa State Kansas

Test Approved by Kenneth Dean Western Representative Jeff Piotrowski

Formation Test No. 2 Interval Tested from 4552 ft. to 4572 ft. Total Depth 4572 ft.

Packer Depth 4547 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4552 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4555 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4558 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor DNB Drilling Rig #2 Drill Collar Length 30 I. D. 2.2 in.

Mud Type starch Viscosity 47 Weight Pipe Length 690 I. D. 3.2 in.

Weight 9.5 Water Loss 13.8 cc. Drill Pipe Length 3812 I. D. 3.8 in.

Chlorides 50,000 P.P.M. Test Tool Length ft. Tool Size 5½OD in.

Jars: Make Serial Number Anchor Length 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: Strong. Gas to surface in six minutes. See attached sheet for gas measurements.

Recovered 60 ft. of clean oil

Recovered 900 ft. of froggy oil

Recovered 5 ft. of water

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:00 ~~P.M.~~ A.M. Time Started Off Bottom 4:45 ~~P.M.~~ A.M. Maximum Temperature 121°

Initial Hydrostatic Pressure			(A)	2326	P.S.I.	
Initial Flow Period	Minutes 15		(B)	122 P.S.I.	to (C)	111 P.S.I.
Initial Closed In Period	Minutes 30		(D)	1575	P.S.I.	
Final Flow Period	Minutes 65		(E)	115 P.S.I.	to (F)	262 P.S.I.
Final Closed In Period	Minutes 123		(G)	1618	P.S.I.	
Final Hydrostatic Pressure			(H)	2326	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 12/27/81 Test Ticket No. 15130

Recorder No. 5673 Capacity 5400 Location 4555 Ft.

Clock No. - Elevation -- Well Temperature 121 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2326	P.S.I.
B	First Initial Flow Pressure	122	P.S.I.
C	First Final Flow Pressure	111	P.S.I.
D	Initial Closed-in Pressure	1575	P.S.I.
E	Second Initial Flow Pressure	115	P.S.I.
F	Second Final Flow Pressure	262	P.S.I.
G	Final Closed-in Pressure	1618	P.S.I.
H	Final Hydrostatic Mud	2326	P.S.I.

	Time Given	Time Computed
Open Tool	1:00A M	
First Flow Pressure	15 Mins.	15 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	60 Mins.	65 Mins.
Final Closed-in Pressure	120 Mins.	123 Mins.

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	122
P 2 5	122
P 3 10	114
P 4 15	111
P 5	
P 6	
P 7	
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	111
3	779
6	1168
9	1306
12	1393
15	1450
18	1485
21	1518
24	1542
27	1561
30	1575

Second Flow Pressure
Breakdown: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	115
5	115
10	119
15	128
20	139
25	156
30	171
35	189
40	202
45	219
50	232
55	249
60	260
65	262

Final Shut-In
Breakdown: 41 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	262
3	831
6	1084
9	1201
12	1276
15	1331
18	1374
21	1412
24	1436
27	1462
30	1487
33	1506
36	1519
39	1530
42	1539
45	1550
48	1556
51	1565
54	1569
57	1575
60	1579

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WESTERN TESTING CO., INC.
Pressure Data

Date 12/27/81 Test Ticket No. 15130

Recorder No. 5673 Capacity 5400 Location 4555 Ft.

Clock No. - Elevation -- Well Temperature 121 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2326 P.S.I.	Open Tool	1:00A M	
B	First Initial Flow Pressure	122 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	111 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1575 P.S.I.	Second Flow Pressure	60 Mins.	65 Mins.
E	Second Initial Flow Pressure	115 P.S.I.	Final Closed-in Pressure	120 Mins.	123 Mins.
F	Second Final Flow Pressure	262 P.S.I.			
G	Final Closed-in Pressure	1618 P.S.I.			
H	Final Hydrostatic Mud	2326 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
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.

Second Flow Pressure
Breakdown: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

Final Shut-In
Breakdown: 41 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
63	1583
66	1587
69	1591
72	1594
75	1596
78	1598
81	1600
84	1602
87	1604
90	1606
93	1608
96	1610
99	1612
102	1613
105	1614
108	1615
111	1616
114	1617
117	1618
120	1618
123	1618

GAS FLOW REPORT

Date 12/27/81 Ticket 15130 Company Petroleum, Inc.

Well Name and No. Nichols "D"#1 Dst No. 2 Interval Tested 4552'-4572'

County Kiowa State Kansas Sec. 20 Twp. 29S Rg. 18W

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
Gas to surface in six minutes.			**PRE FLOW**			
	10 min.	5.0 PSIG	1/2" orifice			78,100 CFPD
	15 min.	6.0 PSIG	1/2" orifice			86,300 CFPD
			SECOND FLOW			
	10 min.	7.0 PSIG	1/2"orifice			94,500 CFPD
	20 min.	7.0 PSIG	1/2" orifice			94,500 CFPD
	30 min.	5.0 PSIG	1/2" orifice			78,100 CFPD
	40 min.	5.0 PSIG	1/2" orifice			78,100 CFPD
	50 min.	4.0 PSIG	1/2" orifice			68,800 CFPD
	60 min.	4.0 PSIG	1/2" orifice			68,800 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled --- Date to be Invoiced 12/27/81

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% 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 Petroleum, Inc.

Kenneth Dean

Authorized by

FORM WTC 6

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D5742

TRT #. 15130

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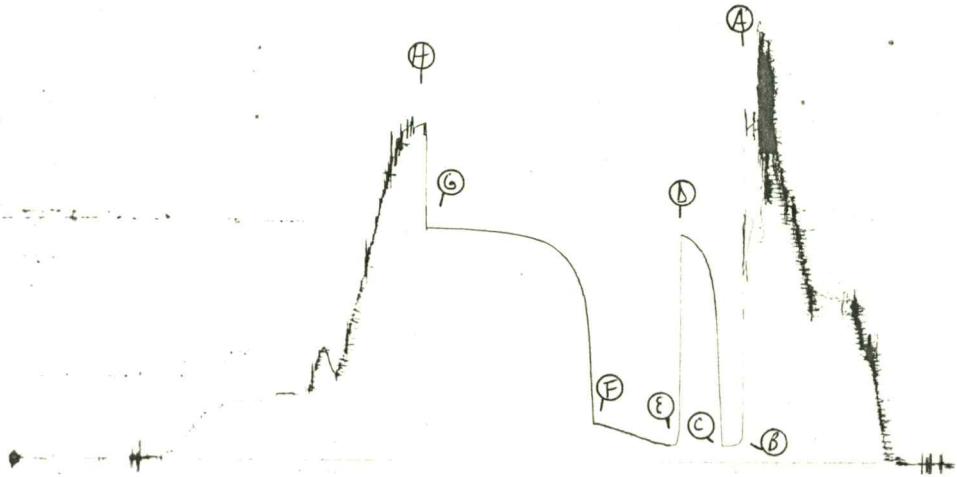

Company Petroleum, Inc. Lease & Well No. Nichols "D"#1

Elevation --- Formation Lansing Effective Pay - Ft. Ticket No. 15131

Date 12/28 /81 Sec. 20 Twp. 29S Range 18W County Kiowa State Kansas

Test Approved by Kenneth Dean Western Representative Jeff Piotrowski

Formation Test No. 3 Interval Tested from 4600 ft. to 4642 ft. Total Depth 4642 ft.

Packer Depth 4595 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4600 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4603 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4606 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor DNB Drilling Rig #2 Drill Collar Length 30 I. D. 2.2 in.

Mud Type starch Viscosity 47 Weight Pipe Length 690 I. D. 3.2 in.

Weight 9.5 Water Loss 13.8 cc. Drill Pipe Length 3851 I. D. 3.8 in.

Chlorides 50,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WIC Serial Number 405 Anchor Length 42 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: Weak blow building to fair on the initial flow period. Fair blow througout final flow period.

Recovered 120 ft. of watery mud Chlorides TOP: 76,000 ppm

Recovered 180 ft. of muddy water MIDDLE : 89,000 ppm

Recovered 120 ft. of water BOTTOM :108,000 ppm

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:10 ~~A.M.~~ P.M. Time Started Off Bottom 12:55 A.M. ~~P.M.~~ Maximum Temperature 125°

Initial Hydrostatic Pressure			(A)	2326	P.S.I.	
Initial Flow Period	Minutes	15	(B)	74	P.S.I. to (C)	92 P.S.I.
Initial Closed In Period	Minutes	30	(D)	1564	P.S.I.	
Final Flow Period	Minutes	65	(E)	127	P.S.I. to (F)	246 P.S.I.
Final Closed In Period	Minutes	126	(G)	1590	P.S.I.	
Final Hydrostatic Pressure			(H)	2326	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 12/28/81 Test Ticket No. 15131

Recorder No. 5673 Capacity 5400 Location 4603 Ft.

Clock No. -- Elevation --- Well Temperature 123 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2326	P.S.I.	Open Tool	9:10P	M		
B	First Initial Flow Pressure	74	P.S.I.	First Flow Pressure	15	Mins.	15	Mins.
C	First Final Flow Pressure	92	P.S.I.	Initial Closed-in Pressure	30	Mins.	30	Mins.
D	Initial Closed-in Pressure	1564	P.S.I.	Second Flow Pressure	60	Mins.	65	Mins.
E	Second Initial Flow Pressure	127	P.S.I.	Final Closed-in Pressure	120	Mins.	126	Mins.
F	Second Final Flow Pressure	246	P.S.I.					
G	Final Closed-in Pressure	1590	P.S.I.					
H	Final Hydrostatic Mud	2326	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure

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

Point Mins.	Press.
P 1 0	74
P 2 5	74
P 3 10	78
P 4 15	92
P 5	
P 6	
P 7	
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	92
3	1271
6	1398
9	1453
12	1483
15	1508
18	1530
21	1544
24	1553
27	1563
30	1564

Second Flow Pressure

Breakdown: 13 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	127
5	127
10	130
15	142
20	155
25	168
30	177
35	188
40	198
45	210
50	221
55	232
60	240
65	246

Final Shut-In

Breakdown: 42 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	246
3	1214
6	1213
9	1366
12	1398
15	1423
18	1444
21	1458
24	1474
27	1488
30	1496
33	1504
36	1512
39	1517
42	1523
45	1528
48	1534
51	1537
54	1539
57	1545
60	1550

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WESTERN TESTING CO., INC.

Pressure Data

Date 12/28/81 Test Ticket No. 15131

Recorder No. 5673 Capacity 5400 Location 4603 Ft.

Clock No. -- Elevation --- Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2326 P.S.I.	Open Tool	9:10P M	
B First Initial Flow Pressure	74 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	92 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1564 P.S.I.	Second Flow Pressure	60 Mins.	65 Mins.
E Second Initial Flow Pressure	127 P.S.I.	Final Closed-in Pressure	120 Mins.	126 Mins.
F Second Final Flow Pressure	246 P.S.I.			
G Final Closed-in Pressure	1590 P.S.I.			
H Final Hydrostatic Mud	2326 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
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.

Second Flow Pressure
Breakdown: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

Final Shut-In
Breakdown: 42 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
63	1552
66	1554
69	1556
72	1559
75	1564
78	1566
81	1568
84	1570
87	1572
90	1574
93	1576
96	1578
99	1580
102	1582
105	1584
108	1586
111	1588
114	1589
117	1590
120	1590
123	1590
126	1590

WTC - 4

8673
DST #3

IRT #15131

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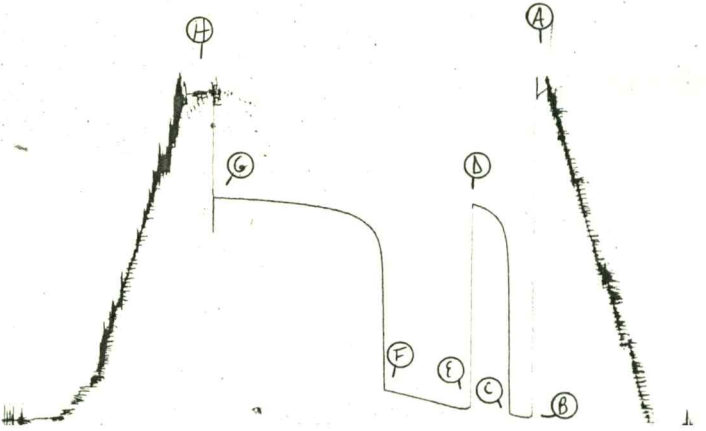

Company Petroleum, Inc. Lease & Well No. Nichols D #1

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 15132

Date 12-30-81 Sec. 20 Twp. 29S Range 18W County Kiowa State Kansas

Test Approved by Kenneth Dean Western Representative Jeff Piotrowski

Formation Test No. 4 Interval Tested from 4887 ft. to 4915 ft. Total Depth 4915 ft.

Packer Depth 4882 ft. Size 6 3/4 in. Packer Depth 4887 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) 4890 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4893 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor DNB #2 Drill Collar Length 30 I. D. 2.2 in.

Mud Type Starch Viscosity 47 Weight Pipe Length 690 I. D. 3.2 in.

Weight 9.5 Water Loss 13.8 cc. Drill Pipe Length 4138 I. D. 3.8 in.

Chlorides 50,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 405 Anchor Length 38 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: Strong blow throughout test. Gas to surface in 5 minutes on initial shut in period.
See attached sheet for gas measurements.

Recovered 100 ft. of gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:10 ~~A.M.~~ P.M. Time Started Off Bottom 3:55 ~~A.M.~~ P.M. Maximum Temperature 124

Initial Hydrostatic Pressure ..... (A) 2489 P.S.I.

Initial Flow Period ..... Minutes 15 (B) 41 P.S.I. to (C) 44 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 1114 P.S.I.

Final Flow Period ..... Minutes 60 (E) 24 P.S.I. to (F) 30 P.S.I.

Final Closed In Period ..... Minutes 126 (G) 1209 P.S.I.

Final Hydrostatic Pressure ..... (H) 2489 P.S.I.

GAS FLOW REPORT

Date 12-30-81 Ticket 15132 Company Petroleum, Inc.

Well Name and No. Nichols D #1 Dst No. 4 Interval Tested 4887-4915

County Kiowa State Kansas Sec. 20 Twp. 29S Rg. 18W

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						
SECOND FLOW						
Gas to	surface	5 minutes	on initial	shut in	period.	
	10 min.	1.5 PSIG	1/2" orifice			41,000 C.F.P.D.
	20 min.	1.5 PSIG	1/2" orifice			41,000 C.F.P.D.
	30 min.	1.5 PSIG	1/2" orifice			41,000 C.F.P.D.
	40 min.	1.5 PSIG	1/2" orifice			41,000 C.F.P.D.
	50 min.	1.5 PSIG	1/2" orifice			41,000 C.F.P.D.
	60 min.	1.5 PSIG	1/2" orifice			41,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

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 Petroleum, Inc.

Authorized by Kenneth Dean

FORM WTC 6

WESTERN TESTING CO., INC.

Pressure Data

Date 12-30-81 Test Ticket No. 15132

Recorder No. 5673 Capacity 5400 Location 4890 Ft.

Clock No. - Elevation - Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2489 P.S.I.		Open Tool	12:10P. M	
B	First Initial Flow Pressure	41 P.S.I.		First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	44 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1114 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	24 P.S.I.		Final Closed-in Pressure	120 Mins.	126 Mins.
F	Second Final Flow Pressure	30 P.S.I.				
G	Final Closed-in Pressure	1209 P.S.I.				
H	Final Hydrostatic Mud	2489 P.S.I.				

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	41
P 2 5	41
P 3 10	44
P 4 15	44
P 5	
P 6	
P 7	
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	44
3	385
6	612
9	765
12	869
15	951
18	1005
21	1043
24	1076
27	1091
30	1114

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

Point Minutes	Press.
0	24
5	24
10	24
15	24
20	24
25	24
30	24
35	25
40	26
45	27
50	28
55	29
60	30

Final Shut-In
Breakdown: 42 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	30
3	350
6	560
9	719
12	814
15	893
18	948
21	997
24	1024
27	1054
30	1076
33	1089
36	1102
39	1114
42	1124
45	1133
48	1141
51	1146
54	1153
57	1157
60	1160

Cont'd on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 12-30-81 Test Ticket No. 15132

Recorder No. 5673 Capacity 5400 Location 4890 Ft.

Clock No. - Elevation - Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2489	P.S.I.	Open Tool	12:10P. M	
B	First Initial Flow Pressure	41	P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C	First Final Flow Pressure	44	P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1114	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	24	P.S.I.	Final Closed-in Pressure	120 Mins.	126 Mins.
F	Second Final Flow Pressure	30	P.S.I.			
G	Final Closed-in Pressure	1209	P.S.I.			
H	Final Hydrostatic Mud	2489	P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
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.

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

Point Minutes	Press.

Final Shut-In
Breakdown: 42 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
63	1163
66	1166
69	1169
72	1172
75	1175
78	1178
81	1181
84	1183
87	1185
90	1187
93	1189
96	1191
99	1193
102	1195
105	1197
108	1199
111	1201
114	1203
117	1204
120	1205
123	1207
126	1209

WTC - 4

5673
Dst 4

IRT # 15132

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