

Company Dupont Oil Company Lease & Well No. Lorton Estate #1
Elevation 1336 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 8172
Date 9/18/81 Sec. 33 Twp. 32S Range 6E County Cowley State Kansas
Test Approved by Merv Mace Western Representative Norman Allen
Formation Test No. 1 Interval Tested from 3160 ft. to 3174 ft. Total Depth 3174 ft.
Packer Depth 3160 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3155 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3167 ft. Recorder Number 1559 Cap. 4200
Bottom Recorder Depth (Outside) 3170 ft. Recorder Number 13268 Cap. 4225
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Edco Drilling Rig #6 Drill Collar Length 235 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 42 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 11.8 cc. Drill Pipe Length 2903 I. D. 3.8 in.
Chlorides 1700 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 14 ft. Size 5 1/2 OD 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 4 1/2 XH in.

Blow: Weak throughout test.

Recovered 65 ft. of drilling mud with slight show of oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:45 ~~A.M.~~ P.M. Time Started Off Bottom 6:45 A.M. P.M. Maximum Temperature 116
Initial Hydrostatic Pressure (A) 1546 P.S.I.
Initial Flow Period Minutes 45 (B) 31 P.S.I. to (C) 38 P.S.I.
Initial Closed In Period Minutes 39 (D) 203 P.S.I.
Final Flow Period Minutes 45 (E) 46 P.S.I. to (F) 46 P.S.I.
Final Closed In Period Minutes 48 (G) 180 P.S.I.
Final Hydrostatic Pressure (H) 1531 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

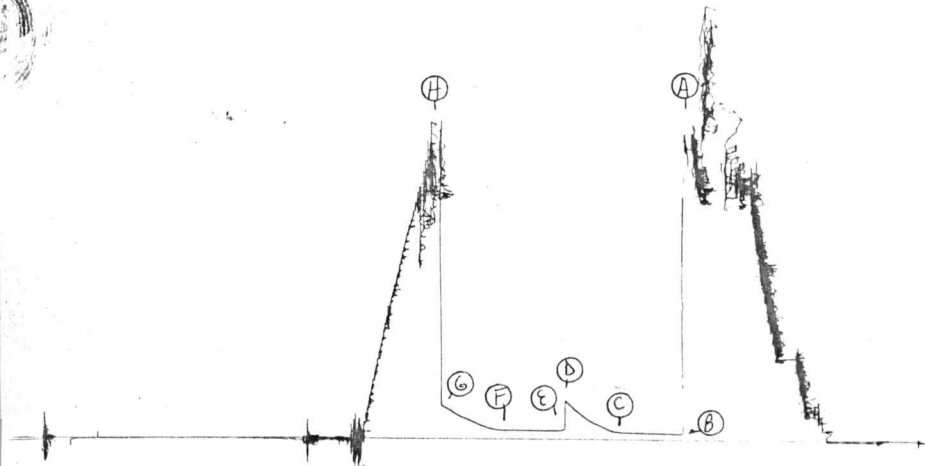
Date 9/18/81 Recorder No. 1559 Capacity 4200 Test Ticket No. 8172
 Clock No. - Elevation 1336 Kelly Bushing Location 3167 Ft. 116 °F
 Well Temperature

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1546 P.S.I.	3:45P	M
B First Initial Flow Pressure	31 P.S.I.	45 Mins.	45 Mins.
C First Final Flow Pressure	38 P.S.I.	45 Mins.	39 Mins.
D Initial Closed-in Pressure	203 P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	46 P.S.I.	45 Mins.	48 Mins.
F Second Final Flow Pressure	46 P.S.I.		
G Final Closed-in Pressure	180 P.S.I.		
H Final Hydrostatic Mud	1531 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>9</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>16</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	0	31	0	38	0	46	0	46
P 2	5	31	3	40	5	46	3	46
P 3	10	32	6	46	10	46	6	49
P 4	15	32	9	54	15	46	9	55
P 5	20	33	12	65	20	46	12	61
P 6	25	34	15	76	25	46	15	69
P 7	30	35	18	86	30	46	18	76
P 8	35	36	21	97	35	46	21	86
P 9	40	37	24	109	40	46	24	96
P10	45	38	27	124	45	46	27	106
P11			30	142			30	114
P12			33	159			33	123
P13			36	178			36	135
P14			39	203			39	146
P15							42	160
P16							45	172
P17							48	180
P18								
P19								
P20								

TKT # 8172
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Company DuPont Oil Company Lease & Well No. Lorton Estate #1
 Elevation 1336 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticker No. 8173
 Date 9/20/81 Sec. 33 Twp. 32S Range 6E County Cowley State Kansas
 Test Approved by Merv Mace Western Representative Norman Allen
 Formation Test No. 2 Interval Tested from 3576 ft. to 3585 ft. Total Depth 3585 ft.
 Packer Depth 3576 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3571 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3578 ft. Recorder Number 1559 Cap. 4200
 Bottom Recorder Depth (Outside) 3581 ft. Recorder Number 13268 Cap. 4225
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Edco Drilling Co. Rig #6 Drill Collar Length 235 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 60 Weight Pipe Length - I. D. - in.
 Weight 9. Water Loss 10.- cc. Drill Pipe Length 3319 I. D. 3.8 in.
 Chlorides 2,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 9 ft. Size 5 1/2 OD 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 4 1/2 XH in.

Blow: Fair throughout test.

Recovered 300 ft. of salt water (sulphur cut) 55,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 ~~A.M.~~ P.M. Time Started Off Bottom 11:00 ~~A.M.~~ P.M. Maximum Temperature 125°
 Initial Hydrostatic Pressure (A) 1780 P.S.I.
 Initial Flow Period Minutes 45 (B) 21 P.S.I. to (C) 94 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1194 P.S.I.
 Final Flow Period Minutes 45 (E) 115 P.S.I. to (F) 142 P.S.I.
 Final Closed In Period Minutes 45 (G) 1157 P.S.I.
 Final Hydrostatic Pressure (H) 1735 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 9/20/81 Test Ticket No. 8173
 Recorder No. 1559 Capacity 4200 Location 3578 Ft.
 Clock No. -- Elevation 1336 Kelly Bushing Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1780	P.S.I.	8:00P	
B First Initial Flow Pressure	21	P.S.I.	45	M 45
C First Final Flow Pressure	94	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	1194	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	115	P.S.I.	45	Mins. 45 Mins.
F Second Final Flow Pressure	142	P.S.I.		Mins. Mins.
G Final Closed-in Pressure	1157	P.S.I.		
H Final Hydrostatic Mud	1735	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>9</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>15</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 0	21	0	94	0	115	0	142
P 2 5	23	3	723	5	115	3	562
P 3 10	33	6	870	10	118	6	800
P 4 15	46	9	952	15	121	9	887
P 5 20	59	12	1004	20	125	12	946
P 6 25	67	15	1040	25	129	15	987
P 7 30	77	18	1071	30	133	18	1019
P 8 35	84	21	1096	35	137	21	1046
P 9 40	90	24	1117	40	140	24	1067
P10 45	94	27	1132	45	142	27	1086
P11		30	1148			30	1100
P12		33	1161			33	1115
P13		36	1171			36	1127
P14		39	1182			39	1138
P15		42	1190			42	1146
P16		45	1194			45	1157
P17							
P18							
P19							
P20							

TKT # 8173

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8173

1559

