

PHONE
318 / 824-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

Formation Morrow Type Test Bottom Hole w/Sampler Date January 9, 1985
Anchor Length and Size 70' 30'x6½" & 40'x4½" Total Depth 5870'
Packer Depths 5795' & 5800' Below Straddle _____
Equipment Run 2 Packers, Jars, Safety Joint, Circulating sub, Sample Chamber

Lengths: Tool 102' D. P. 5332' ID 3.8" Wt. P. _____ ID _____ D. C. 436' ID 2.25"
Mud Type Chemical Vis. 46 Wt. 9.2 Wtr. Loss 8 Cl. 2100 ppm

Recorders: Depth 5806' Make Kuster Cap. 6525 Ser. No. 13644 Inside
Depth 5830' Make Kuster Cap. 6450 Ser. No. 6064 Outside
Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ 7:15 P M. Initial Hydrostatic 2814 psi
Initial Flow 32 Min. IFP 84 psi to 84 psi
Initial Shut-in 58 Min. ISIP 443 psi
Final Flow 62 Min. FFP 97 psi to 100 psi
Final Shut-in 118 Min. FSIP 521 psi
Tool off Bottom @ 11:45 P M. Final Hydrostatic 2768 psi Temp. 130

Blow: Weak increasing to Strong off bottom bucket in 30 minutes on Initial Flow.
Strong on Final Flow.

Recovery: 750' Gas in Drillpipe
60' Mud
40' Muddy Oil

Gas Flow:

Sampler Data:

Pressure 75 PSI
Gas .06 cu. ft.
Total Fluid 2100 cc
Oil 1800 cc
Water _____ cc
Mud 300 cc
Oil Gravity _____ @ _____ °F.
Gas/Oil Ratio _____

Remarks:

gas, oil & mud emulsion 40% Gas
15% Oil
45% Mud
3000 PPM CL

Tester Roy Cooper Witnessed by: Bob Posey

RECEIVED

JAN 14 '85

GRANT SEND
Division Office

SEC. 18 TWP. 34S RGE. 28W COUNTY Meade STATE Kansas TICKET NO. 2684

Petroleum Inc. OPERATOR McGuire "J" #1 1 TEST # 5800' - 5870' TEST INTERVAL

Pressure Break Down

Test ticket no. 2684 Recorder no. 13644 Capacity, 6525 Rec. Depth. 5806'

		Given	Computed
Initial Flow pressure	84 to 84	30	32
Initial Closed in pressure	443	60	58
Final Flow pressure	97 to 100	60	62
Final Closed-in pressure	521	120	118
Initial Hydrostatic pressure	2814		
Final Hydrostatic press.	2768		
Temp	1		

Initial Hydrostatic pressure 2814 Final Hydrostatic press. 2768 Temp 130

Initial Flow Press.[illegible]

Initial Closed in Press.

Minutes	Press
0	84
3	91
6	107
9	123
12	140
15	162
18	179
21	201
24	218
27	237
30	257
33	273
36	293
39	312
42	335
45	355
48	377
51	397
54	416
57	436
58:00	443
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

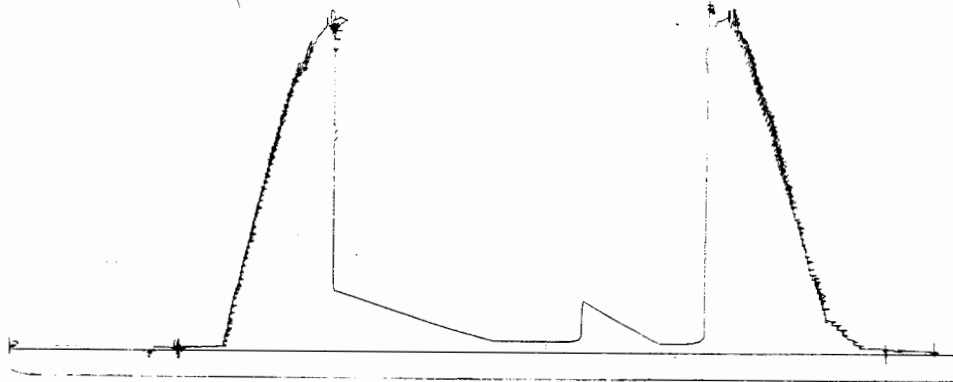
Final Flow Press

Minutes	Press
0	97
5	97
10	97
15	97
20	97
25	97
30	97
35	97
40	97
45	97
50	100
55	100
60	100
62.5	100
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	

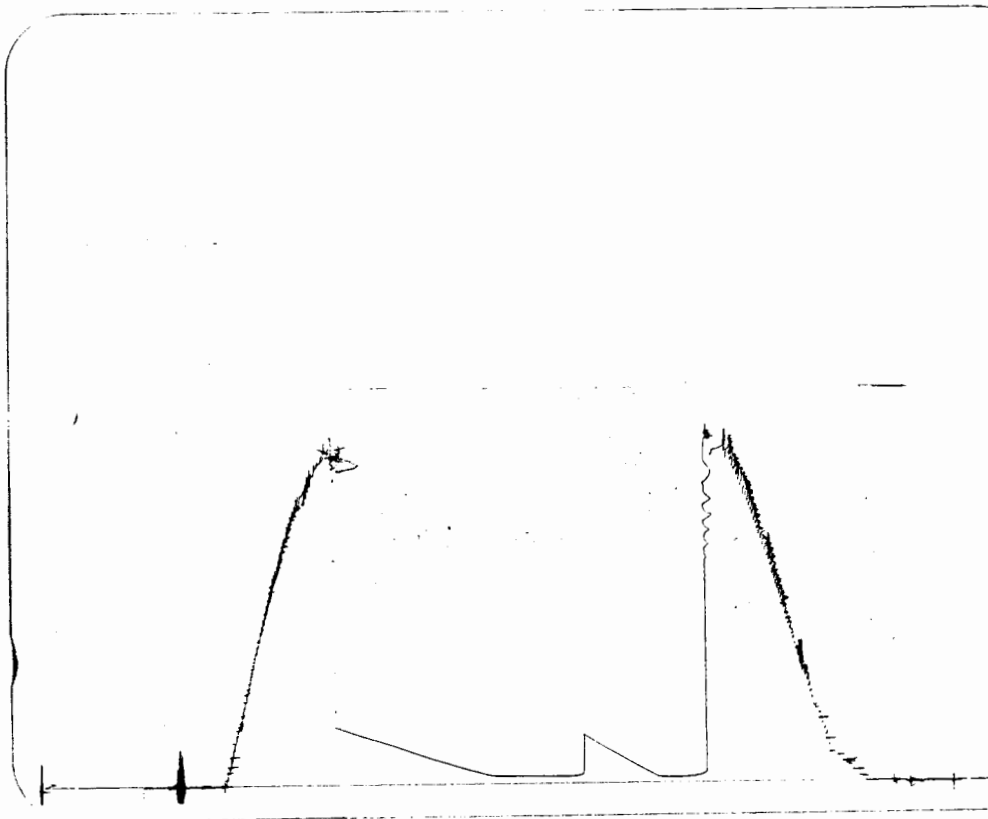
Final Closed in Press.

Minutes	Press
0	100
3	107
6	117
9	123
12	133
15	143
18	153
21	162
24	169
27	188
30	192
33	201
36	214
39	224
42	234
45	244
48	254
51	267
54	280
57	286
60	302
63	315
66	325
69	335
72	345
75	358
78	368
81	381
84	394
87	403
90	413
93	429
96	439
99	449
102	462
105	475
108	485
111	498
114	511
117	521
118-120	521

644



Initial Hydrostatic _____ 2814 _____ psi
 IFP _____ 84 _____ psi to _____ 84 _____ psi
 ISIP _____ 443 _____ psi
 FFP _____ 97 _____ psi to _____ 100 _____ psi
 FSIP _____ 521 _____ psi
 Final Hydrostatic _____ 2768 _____ psi



MORROW

DST #1 5800-5870

Recovery: 60' mud, 40' muddy oil

Sample 1800 cc gas-oil + mud emulsion 40% gas, 15% oil, 45% mud
300 cc mud
.06 ft³ gas

IFP 84-84 FFP 97-100

ISIP 443 still Building

FSIP 521 still Building

CAN NOT extrapolate pressures but curve characteristics indicate very tight zone.

Drilling Break 5860-70

DST #2 5868-5925 (will receive tomorrow)

Drilling Break 5874-90 - gas sniffer off chart good oil shows
" " 5896-5904

PHONE
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DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

Formation Morrow Type Test Bottom Hole w/Sampler Date January 10, 1985

Anchor Length and Size 57' 30'x6½" & 27'x4½" Total Depth 5925'

Packer Depths 5863' & 5868' Below Straddle

Equipment Run 2 Packers, Jars, Safety Joint, Circulating sub, Sample Chamber

Lengths: Tool 89' D. P. 5400' ID 3.8" Wt. P. ID D. C. 436' ID 2.25"

Mud Type Chemical Vis. 49 Wt. 9.1 Wtr. Loss 8.8 Cl. 5000 ppm

Recorders: Depth 5874' Make Kuster Cap. 6525 Ser. No. 13644 Inside
Depth 5891' Make Kuster Cap. 6450 Ser. No. 6064 Outside
Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ <u>3:30 P</u> M.	Initial Hydrostatic <u>2863</u> psi
Initial Flow <u>30</u> Min.	IFP <u>68</u> psi to <u>71</u> psi
Initial Shut-in <u>59</u> Min.	ISIP <u>299</u> psi
Final Flow <u>60</u> Min.	FFP <u>91</u> psi to <u>78</u> psi
Final Shut-in <u>123</u> Min.	FSIP <u>234</u> psi
Tool off Bottom @ <u>8:00 P</u> M.	Final Hydrostatic <u>2830</u> psi Temp. <u>130</u>

Blow: Weak with ½" in bucket on Initial Flow. None on Final.

Recovery: 50' Mud

Gas Flow:

Sampler Data:

Pressure 60 PSI
Gas None cu. ft.
Total Fluid 1900 cc
Oil _____ cc
Water _____ cc
Mud 1900 cc
Oil Gravity _____ °F.
Gas/Oil Ratio _____

Remarks:

5,000 PPM CL

Tester Roy Cooper

Witnessed by: Bob Posey

SEC. 18 TWP. 34S RGE. 28W

COUNTY Meade

STATE Kansas

TICKET NO. 2685

Petroleum Inc. OPERATOR

McGuire "J" #1 WELL NAME & NO.

TEST #

5868' - 5925' TEST INTERVAL

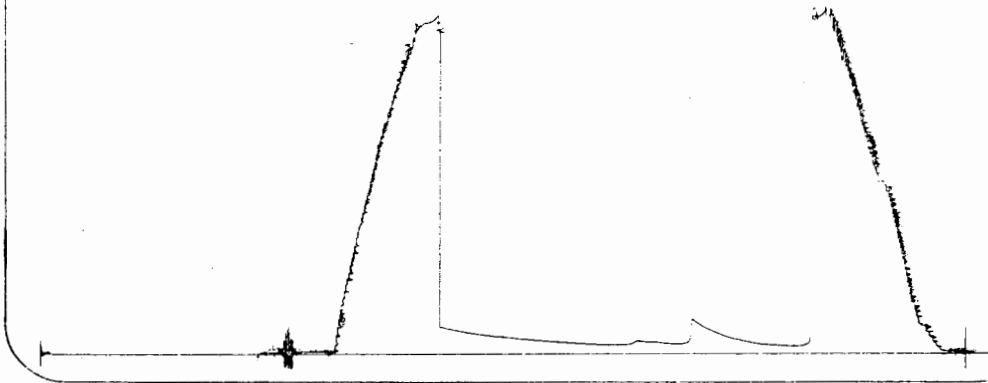
Pressure Break Down

Test ticket no. 2685 Recorder no. 13644 Capacity 6525 Rec. Depth. 5874'

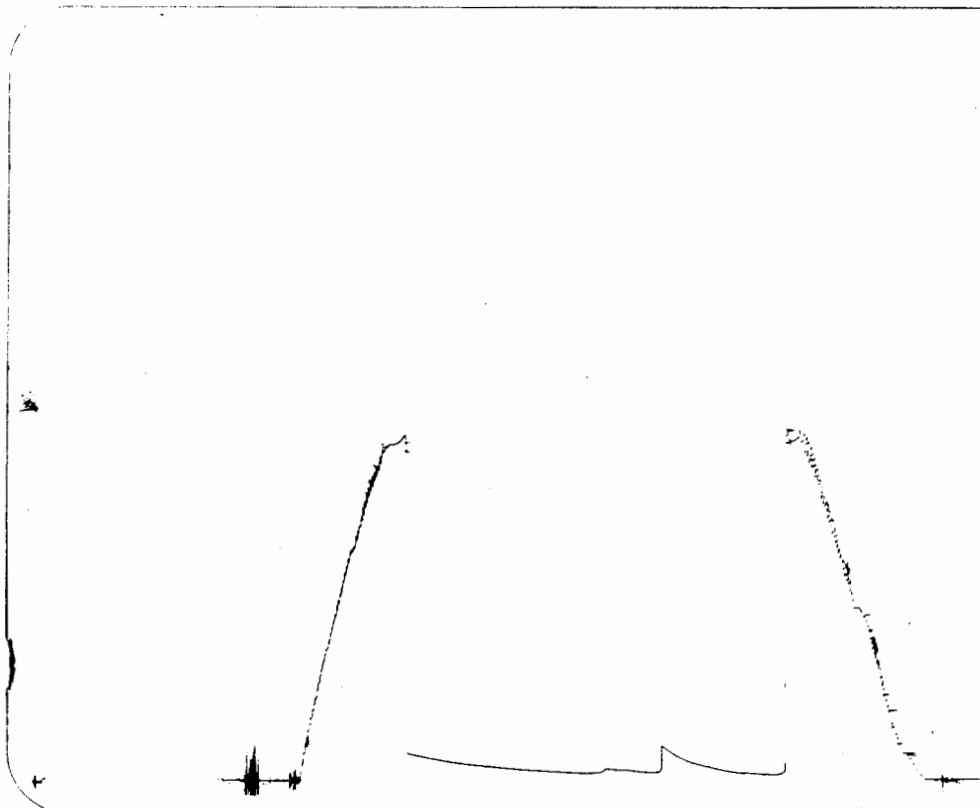
Initial Flow pressure <u>68</u> to <u>71</u>	Time	Given <u>30</u>	Computed <u>30</u>
Initial Closed in pressure <u>299</u>		<u>60</u>	<u>59</u>
Final Flow pressure <u>91</u> to <u>78</u>		<u>60</u>	<u>60</u>
Final Closed-in pressure <u>234</u>		<u>120</u>	<u>123</u>
Initial Hydrostatic pressure <u>2863</u>	Final Hydrostatic press. <u>2830</u>	Temp <u>130</u>	

Initial Flow Press.		Initial Closed in Press.		Final Flow Press		Final Closed in Press.	
Minutes	Press	Minutes	Press	Minutes	Press	Minutes	Press
0	68	0	71	0	91	0	78
5	68	3	74	5	91	3	81
10	68	6	81	10	91	6	81
15	68	9	87	15	91	9	84
20	68	12	91	20	94	12	87
25	71	15	100	25	100	15	87
30	71	18	107	30	100	18	91
35		21	114	35	110	21	94
40		24	123	40	117	24	97
45		27	127	45	81	27	97
50		30	136	50	81	30	100
55		33	149	55	78	33	107
60		36	162	60	78	36	107
65		39	175	65		39	107
70		42	192	70		42	110
75		45	208	75		45	110
80		48	224	80		48	117
85		51	244	85		51	117
90		54	270	90		54	123
95		57	293	95		57	123
100		59 ~~60~~	299	100		60	130
105		63		105		63	133
110		66		110		66	136
115		69		115		69	140
120		72		120		72	143
		75		125		75	146
		78		130		78	149
		81		135		81	156
		84		140		84	156
		87		145		87	162
		90		150		90	166
		93		155		93	172
		96		160		96	179
		99		165		99	182
		102		170		102	185
		105		175		105	192
		108		180		108	201
		111				111	211
		114				114	218
		117				117	224
		120				120	234
						123	234

644



Initial Hydrostatic _____ 2863 _____ psi
IFP _____ 68 _____ psi to _____ 71 _____ psi
ISIP _____ 299 _____ psi
FFP _____ 91 _____ psi to _____ 78 _____ psi
FSIP _____ 234 _____ psi
Final Hydrostatic _____ 2830 _____ psi



PHONE
316 / 624-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

Formation Chester Type Test Bottom Hole w/Sampler Date January 12, 1985
Anchor Length and Size 38' x 4 1/2" Total Depth 6270'
Packer Depths 6227' & 6232' Below Straddle _____
Equipment Run 2 Packers, Jars, Safety Joint, Circulating sub, Sample Chamber

Lengths: Tool 70' D. P. 5754' ID 3.8" Wt. P. _____ ID _____ D. C. 466' ID 2.25"
Mud Type Chemical Vls. 49 Wt. 9.1 Wtr. Loss 8.8 Cl. 4000 ppm

Recorders: Depth 6243' Make Kuster Cap. 6525 Ser. No. 13644 Inside
Depth 6268' Make Kuster Cap. 6450 Ser. No. 6064 Outside
Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ <u>12:00</u> P M.	Initial Hydrostatic <u>3035</u> psi
Initial Flow <u>30</u> Min.	IFP <u>87</u> psi to <u>91</u> psi
Initial Shut-In <u>65</u> Min.	ISIP <u>123</u> psi
Final Flow <u>60</u> Min.	FFP <u>100</u> psi to <u>104</u> psi
Final Shut-In <u>120</u> Min.	FSIP <u>140</u> psi
Tool off Bottom @ <u>4:30</u> P M.	Final Hydrostatic <u>3000</u> psi Temp. <u>134</u>

Blow: Weak & increasing to 4" on Initial Flow. Weak with 1" in bucket & decreasing to 1/4" on Final Flow.

Recovery: 40' Mud

Gas Flow:

Sampler Data:

Pressure 42 PSI
Gas .01 cu. ft.
Total Fluid _____ cc
Oil Trace cc
Water _____ cc
Mud 2100 cc
Oil Gravity _____ °F.
Gas/Oil Ratio _____

Remarks:

4500 PPM CL

Tester Roy Cooper Witnessed by: Bob Posey

SEC. 18 TWP. 34S RGE. 28W

COUNTY Meade

STATE Kansas

TICKET NO. 2686

OPERATOR

McGuire "J" #1
WELL NAME & NO.

TEST #

TEST INTERVAL

6232' - 6270'

RECEIVED

JAN 16 '85

CLARK BEND
Division Office

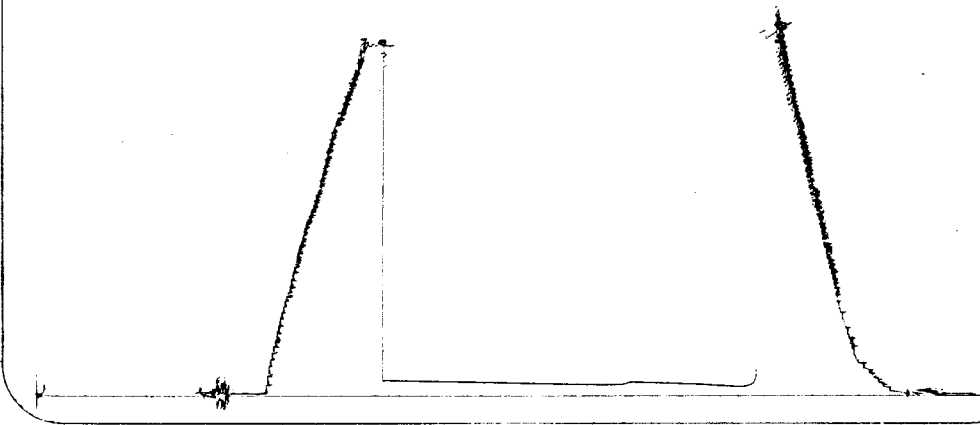
Pressure Break Down

Test ticket no. 2686 Recorder no. 13644 Capacity 6525 Rec. Depth. 6243'

Initial Flow pressure <u>87</u> to <u>91</u>	Time	Given <u>30</u>	Computed <u>30</u>
Initial Closed in pressure <u>123</u>		<u>60</u>	<u>65</u>
Final Flow pressure <u>100</u> to <u>104</u>		<u>60</u>	<u>60</u>
Final Closed-in pressure <u>140</u>		<u>120</u>	<u>120</u>
Initial Hydrostatic pressure <u>3035</u>	Final Hydrostatic press. <u>3000</u>	Temp <u>134</u>	

Initial Flow Press.		Initial Closed in Press.		Final Flow Press		Final Closed in Press.	
Minutes	Press	Minutes	Press	Minutes	Press	Minutes	Press
0	87	0	91	0	100	0	104
5	87	3	97	5	100	3	107
10	87	6	97	10	100	6	110
15	87	9	97	15	100	9	110
20	87	12	100	20	100	12	110
25	87	15	100	25	100	15	114
30	91	18	104	30	100	18	114
35		21	104	35	100	21	114
40		24	107	40	100	24	117
45		27	107	45	104	27	117
50		30	107	50	104	30	117
55		33	110	55	104	33	117
60		36	110	60	104	36	117
65		39	114	65		39	117
70		42	114	70		42	117
75		45	117	75		45	120
80		48	117	80		48	120
85		51	117	85		51	120
90		54	117	90		54	127
95		57	117	95		57	127
100		60	120	100		60	127
105		63	123	105		63	127
110		65	123	110		66	127
115		69		115		69	127
120		72		120		72	127
		75		125		75	127
		78		130		78	130
		81		135		81	130
		84		140		84	130
		87		145		87	133
		90		150		90	133
		93		155		93	133
		96		160		96	133
		99		165		99	133
		102		170		102	133
		105		175		105	133
		108		180		108	136
		111				111	136
		114				114	136
		117				117	140
		120				120	140

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Initial Hydrostatic _____ 3035 _____ psi
 IFP _____ 87 _____ psi to _____ 91 _____ psi
 ISIP _____ 123 _____ psi
 FFP _____ 100 _____ psi to _____ 104 _____ psi
 FSIP _____ 140 _____ psi
 Final Hydrostatic _____ 3000 _____ psi

