18-32-32W

PHONE
316 / 624-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

Formation Lansing Type Test Conventional Date Feb. 24, 1990

Anchor Length and Size 17' X 4½" OD-Perf. Total Depth 4350'

Packer Depths 4328' & 4333' Below Straddle Choke Size Bottom 5/8" Surface 1/4"

Equipment Run 2 Packers, Jars, Sample Chamber, Safty joint, Circ. sub.

Lengths: Tool 50' D. P. 3764' ID 3.8" Wt. P. ID D. C. 550' ID 2.25"

Mud Type Chemical Vis. 46 Wt. 9.0 Wtr. Loss 10.8 Cl. 2500 ppm

Recorders:

Depth 4344' Make Kuster Cap. 6500 Ser. No. 10269 Inside

Depth 4348' Make Kuster Cap. 6800 Ser. No. 10217 Outside

Depth Make Cap. Ser. No. Below Straddle

Pressures:

Tool on Bottom @	10:35 AM.	Initial Hydrostatic	2057 psi		
Initial Flow	30 Min.	IFP	58 psi to 77 psi		
Initial Shut-in	60 Min.	ISIP	1131 psi		
Final Flow	60 Min.	FFP	96 psi to 141 psi		
Final Shut-in	116 Min.	FSIP	1138 psi		
Tool off Bottom @	3:05 PM.	Final Hydrostatic	2048 psi	Temp.	108

Blow: Weak increasing to strong on I.F.P., Fair increasing to strong on F.F.P.

Recovery:
3000' Gas in pipe. 250' Total Fluid. (1.07 bbl.)
10' Muddy Oil. (0.05 bbl.)
120' Gas & Oil Cut Mud. (0.51 bbl.)
120' Gas & Oil Cut Salt Water. (0.51 bbl.)

RECEIVED
STATE CORPORATION COMMISSION
FEB 02 1991
CONSERVATION DIVISION
WICHITA, KANSAS

Gas Flow:

Sampler Data:

Pressure 95 PSI
Gas 0.08 cu. ft.
Total Fluid 1750 cc
Oil 100 cc
Water 1250 85,000 PPM Cl. cc
Mud 400 cc
Oil Gravity @ °F.
Gas/Oil Ratio

Remarks:

Rw.-.04 @ 108 F.

Tester Butch Young Witnessed by: Larry Benedick

DT-10 Liberal Office Machines

SEC. 18 TWP. 32S RGE. 32W

OPERATOR Midwestern Exploration Co.

WELL NAME & NO. Greeson #1-18

COUNTY Seward STATE Kansas

TEST # 1

TEST INTERVAL 4333 - 4350

TICKET NO. 2873

Pressure Break Down

Test ticket no. 2873 Recorder no. 10269 Capacity 6500 Rec. Depth. 4344'

Initial Flow pressure 58 to 77 Time

Initial Closed in pressure 1131

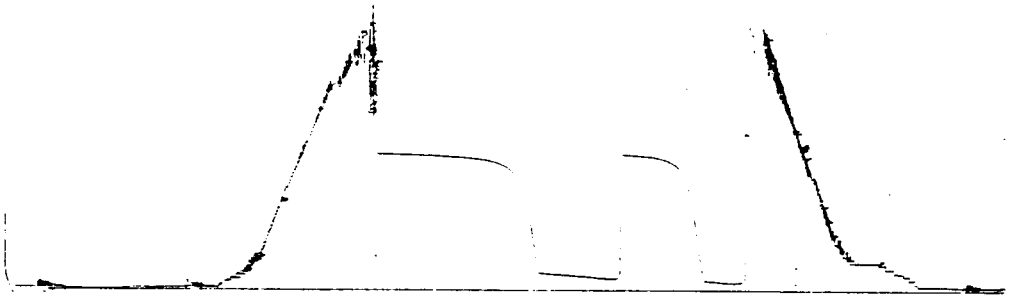
Final Flow pressure 96 to 141

Final Closed-in pressure 1138

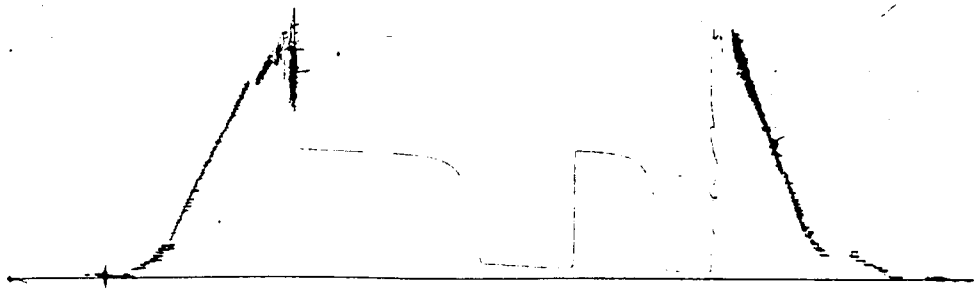
Time	Given	Computed
	30	30
	60	60
	60	60
	120	116

Initial Hydrostatic pressure 2057 Final Hydrostatic press. 2048 Temp 108

Initial Flow Press.		Initial Closed in Press.		Final Flow Press		Final Closed in Press.	
Minutes	Press	Minutes	Press	Minutes	Press	Minutes	Press
0	--	0	77	0	--	0	141
5	58	3	264	5	96	3	
10	61	6	506	10	96	6	603
15	64	9	738	15	100	9	
20	67	12	883	20	106	12	870
25	74	15	967	25	112	15	
30	77	18	1019	30	116	18	983
35		21	1048	35	119	21	
40		24	1067	40	125	24	1035
45		27	1080	45	129	27	
50		30	1090	50	135	30	1067
55		33	1099	55	138	33	
60		36	1106	60	141	36	1083
65		39	1112	65		39	
70		42	1115	70		42	1093
75		45	1118	75		45	
80		48	1122	80		48	1102
85		51	1125	85		51	
90		54	1128	90		54	1109
95		57	1128	95		57	
100		60	1131	100		60	1112
105		63		105		63	
110		66		110		66	1115
115		69		115		69	
120		72		120		72	1118
		75		125		75	
		78		130		78	1122
		81		135		81	
		84		140		84	1125
		87		145		87	
		90		150		90	1128
		93		155		93	
		96		160		96	1131
		99		165		99	
		102		170		102	1135
		105		175		105	
		108		180		108	1138
		111				111	
		114				114	1138
		117				116XXX	1138
		120				120	



Initial Hydrostatic	2057			psi
IFP	58	psi to	77	psi
ISIP	1131			psi
FFP	96	psi to	141	psi
FSIP	1138			psi
Final Hydrostatic	2048			psi



PHONE
316 / 624-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

Formation Marmaton Type Test Conventional Date Feb. 26, 1990

Anchor Length and Size 52'; 31'X 6")D-D.C., 21'X 4½"OD-Perf. Total Depth 5018'

Packer Depths 4961' & 4966' Below Straddle _____ Choke Size Bottom 5/8" Surface 1/4"

Equipment Run 2 Packers, Jars, Sample Chamber, Safty joint, Circ. sub.

Lengths: Tool 85' D. P. 4444' ID 3.8" Wt. P. _____ ID _____ D. C. 519' ID 2.25"

Mud Type Chemical Vis. 55 Wt. 9.0 Wtr. Loss 9.4 Cl. 2000 ppm

Recorders:

Depth 4978' Make Kuster Cap 6500 Ser. No. 10269 Inside

Depth 4983' Make Kuster Cap 6800 Ser. No. 10217 Outside

Depth _____ Make _____ Cap _____ Ser. No. _____ Below Straddle

Pressures:

Tool on Bottom @ 9:10 A M. Initial Hydrostatic 2321 psi

Initial Flow 30 Min. IFP 64 psi to 122 psi

Initial Shut-in 60 Min. ISIP 1488 psi

Final Flow 60 Min. FFP 161 psi to 258 psi

Final Shut-in 120 Min. FSIP 1501 psi

Tool off Bottom @ 1:40 P M. Final Hydrostatic 2305 psi Temp. 117

Blow: Strong on I.F.P., Weak increasing to strong on F.F.P.

Recovery:
2300' Gas in pipe. 480' Total Fluid. (2.06 bbl.)
240' Slightly Gas Cut Mud. (1.03 bbl.)
60' Slightly Gas Cut Watery Mud. (0.26 bbl.)
180' Slightly Gas Cut Salt Water. (0.77 bbl.)

Gas Flow:

Sampler Data:

Pressure 125 PSI

Gas 0.04 cu. ft.

Total Fluid 1600 cc

Oil -- cc

Water 1300 122,000 PPM Cl. cc

Mud 300 cc

Oil Gravity _____ @ _____ °F.

Gas/Oil Ratio _____

Remarks:

RECEIVED
STATE CORPORATION COMMISSION
FEB 03 1991
CONSERVATION DIVISION
WICHITA, KANSAS

Rw.-.03 @ 117 F.

Tester Butch Young Witnessed by: Larry Benedick

DT-10 Liberal Office Machines

SEC. 18 TWP. 32S RGE. 32W

Midwestern Exploration Co. — OPERATOR

Gresson #1-18 — WELL NAME & NO.

COUNTY Seward STATE Kansas

2 — TEST #

4966' - 5018' — TEST INTERVAL

TICKET NO. 2874

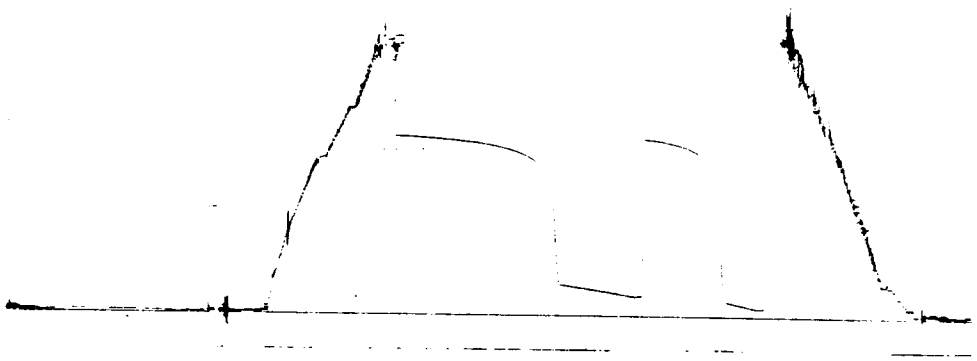
Pressure Break Down

Test ticket no. 2874 Recorder no. 10269 Capacity 6500 Rec. Depth 4978'

			Given	Computed
Initial Flow pressure	64 to 122	Time	30	30
Initial Closed in pressure	1488		60	60
Final Flow pressure	161 to 258		60	60
Final Closed-in pressure	1501		120	120

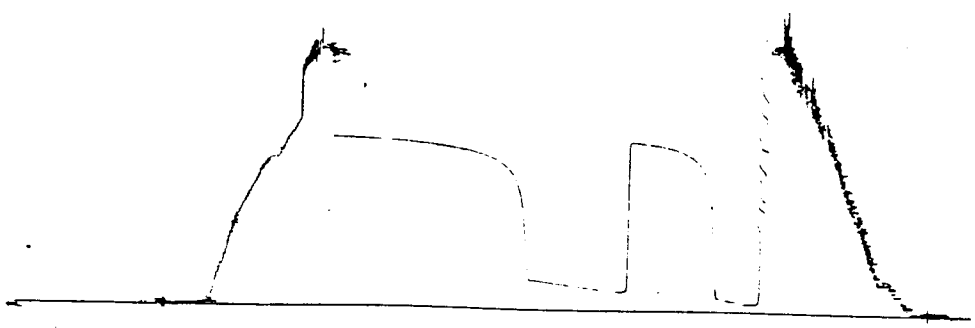
Initial Hydrostatic pressure 2321 Final Hydrostatic press. 2305 Temp 117

Initial Flow Press.		Initial Closed in Press.		Final Flow Press		Final Closed in Press.	
Minutes	Press	Minutes	Press	Minutes	Press	Minutes	Press
0	--	0	122	0	--	0	258
5	64	3	500	5	161	3	
10	70	6	1054	10	170	6	1054
15	87	9	1202	15	180	9	
20	100	12	1276	20	190	12	1228
25	112	15	1321	25	200	15	
30	122	18	1356	30	209	18	1302
35		21	1379	35	219	21	
40		24	1398	40	229	24	1344
45		27	1414	45	235	27	
50		30	1424	50	245	30	1376
55		33	1434	55	251	33	
60		36	1443	60	258	36	1395
65		39	1453	65		39	
70		42	1459	70		42	1414
75		45	1466	75		45	
80		48	1472	80		48	1427
85		51	1479	85		51	
90		54	1482	90		54	1440
95		57	1485	95		57	
100		60	1488	100		60	1450
105		63		105		63	
110		66		110		66	1459
115		69		115		69	
120		72		120		72	1469
		75		125		75	
		78		130		78	1475
		81		135		81	
		84		140		84	1479
		87		145		87	
		90		150		90	1482
		93		155		93	
		96		160		96	1485
		99		165		99	
		102		170		102	1491
		105		175		105	
		108		180		108	1495
		111				111	
		114				114	1498
		117				117	
		120				120	1501



Initial Hydrostatic	2321			psi
IFP	64	psi to	122	psi
ISIP	1488			psi
FFP	161	psi to	258	psi
FSIP	1501			psi
Final Hydrostatic	2305			psi

917



ONE
/ 624-, 340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

mation Morrow Type Test Conventional Date Feb. 28, 1990

hor Length and Size 84'; 59'X 6"OD-D.C., 25'X 4½"OD-Perf. Total Depth 5700'

ker Depths 5611' & 5616' Below Straddle _____ Choke Size Bottom 5/8" Surface 1/4"

ipment Run 2 Packers, Jars, Sample Chamber, Safty joint, Circ. sub.

gths: Tool 117' D. P. 5126' ID 3.8" Wt. P. _____ ID _____ D. C. 491' ID 2.25"

d Type Chemical Vis. 48 Wt. 9.0 Wtr. Loss 9.2 Cl. 5,000 ppm

corders:

Depth 5633' Make Kuster Cap. 6500 Ser. No. 10269 Inside

Depth 5637' Make Kuster Cap. 6800 Ser. No. 10217 Outside

Depth _____ Make _____ Cap. _____ Ser. No. _____ Below Straddle

essures:

Tool on Bottom @	4:55 PM.	Initial Hydrostatic	2717	psi	
Initial Flow	30 Min.	IFP	61 psi to	61	psi
Initial Shut-in	60 Min.	ISIP	70	psi	
Final Flow	60 Min.	FFP	61 psi to	61	psi
Final Shut-in	120 Min.	FSIP	167	psi	
Tool off Bottom @	9:25 PM.	Final Hydrostatic	2704	psi	Temp. 127

ow: Weak increasing to fair on I.F.P., Weak on F.F.P.

covery: 60' Mud.

s Flow:

mpler Data:

sure 45 PSI

-- cu. ft.

l Fluid 2000 cc

Oil -- cc

Water -- cc

Mud 2000 6,000 PPM Cl. cc

Gravity _____ @ _____ °F.

s/Oil Ratio _____

Remarks:

RECEIVED
STATE CORPORATION COMMISSION
FEB 03 1991
CONSERVATION DIVISION
WICHITA, KANSAS

ter Butch Young Witnessed by: Larry Benedick

-10 Liberal Office Machines

SEC. 18 TWP. 32S RGE. 32W

Midwestern Exploration Co. OPERATOR

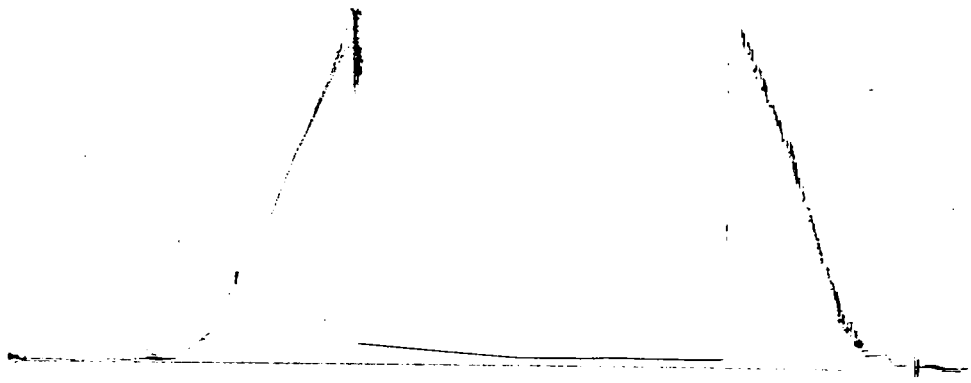
Greeson #1-18 WELL NAME & NO.

COUNTY Seward STATE Kansas

3 TEST #

5616' - 5700' TEST INTERVAL

TICKET NO. 2875



Initial Hydrostatic	2717			psi
IFP	61	psi to	61	psi
ISIP	70			psi
FFP	61	psi to	61	psi
FSIP	167			psi
Final Hydrostatic	2704			psi