

ORIGINAL

15-065-22676-00-00

CROWN TESTING CO.
120 S. MARKET, SUITE 300
WICHITA, KS 67202

DRILL-STEM TEST DATA

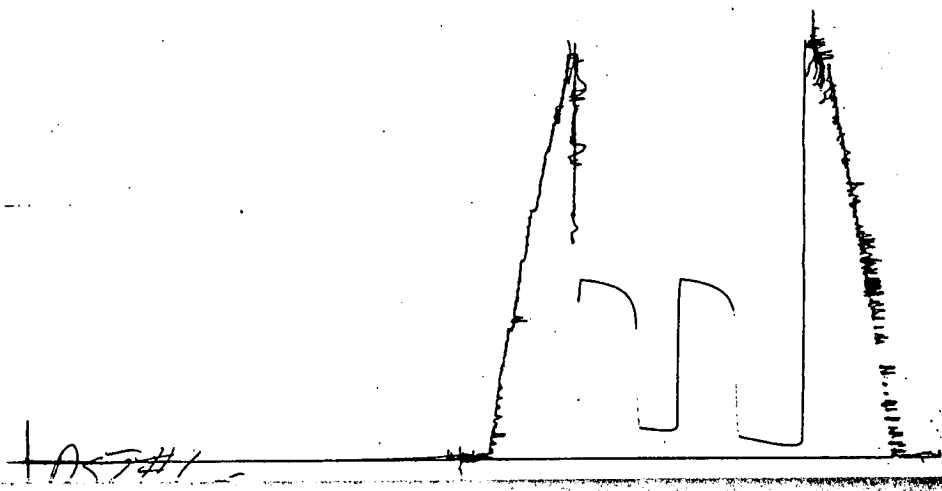
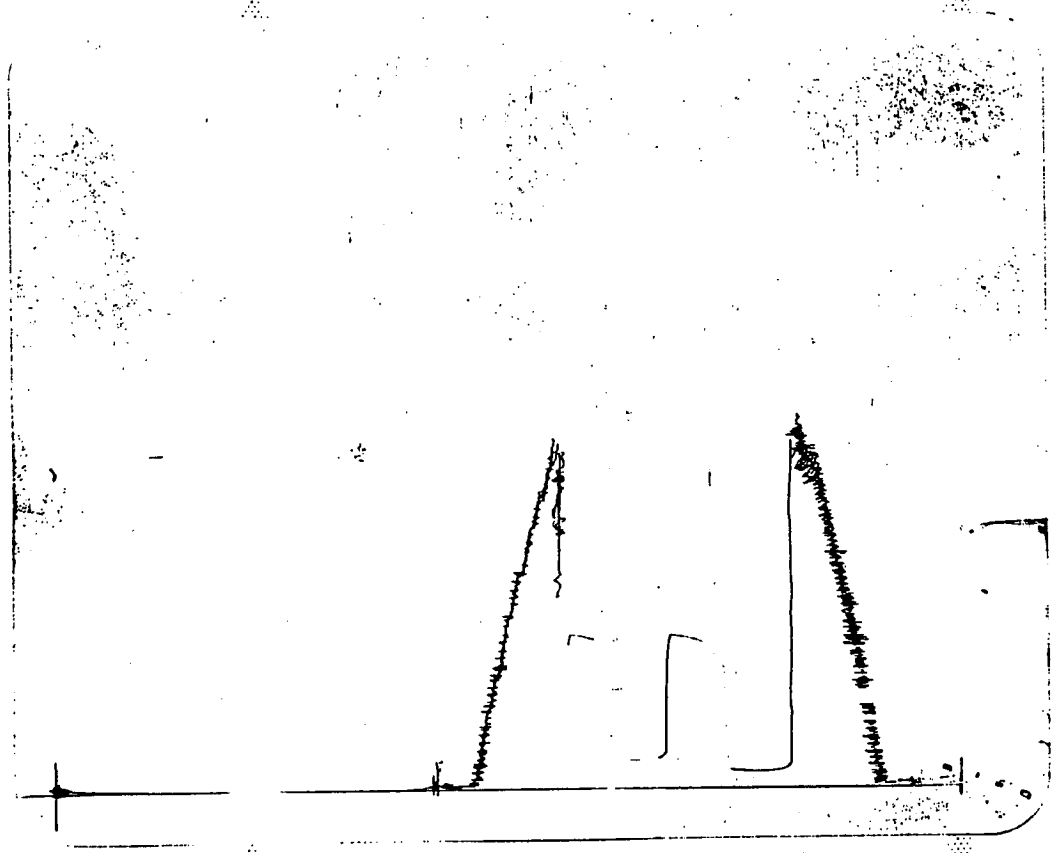
Well Name	Herman	Test No.	1
Well Number	1	Zone Tested	Lansing
Company	Staab Energy	Date	5-18-92
Comp. Rep.	Todd Morgenstern	Tester	Greg Saffa
Contractor	Shields Drilling	Ticket No.	12970
Location	9 10S 24W Graham County	Elevation	

Recorder No. 13810 Clock Range 12 hr. Blow _____
 Depth 3857 Initial Flow Fair blow 5" in bucket
 Initial Hydro Mud Press. 1893
 Initial Flow Press. 89-133
 Initial Shut-in Press. 904 Final Flow Weak blow throughout
 Final Flow Press. 133-133
 Final Shut-in Press. 804
 Final Hydro Mud Press. 1847
 Temperature 119° Initial Flow 45 Mins.
 Mud Weight 9.1 Viscosity 56 Initial Shut-in 45 Mins.
 Fluid Loss 9.2 Final Flow 30 Mins.
 Interval Tested 3833-3857 24 ft. anchor Final Shut-in 45 Mins.
 Top Packer Depth 3828 Surface Choke Size ½
 Bottom Packer Depth 3833 Bottom Choke Size ½
 Total Depth 3857 Main Hole Size 7 7/8
 Drill Pipe Size 4½ X H Wt. _____ Rubber Size 6 5/8
 Drill Collar I.D. 2½" Ft. Run _____
 Recovery—Total Feet 250
 Recovered 250 Feet Of Water 37,000 ppm
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Remarks _____

CROWN TESTING COMPANY shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statement or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for by the party for whom the test is made.

By Todd Morgenstern

Owner, Operator or his Agent



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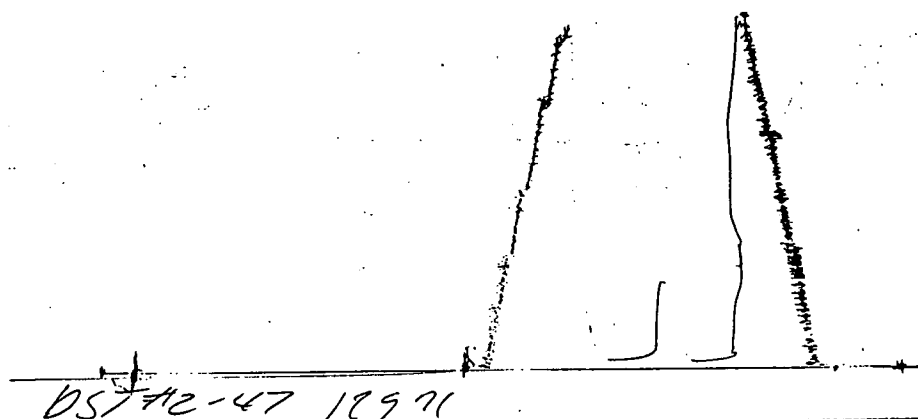
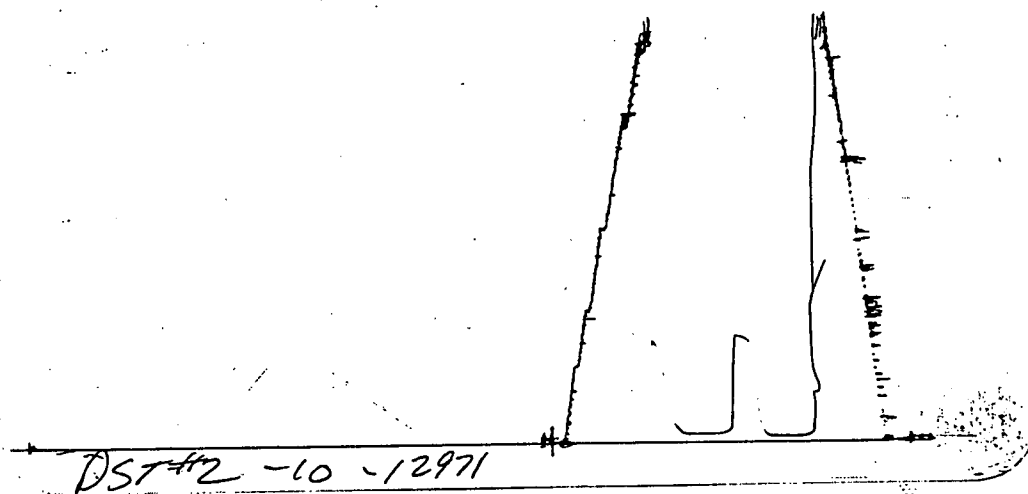
Well Name	Herman	Test No.	2
Well Number	1	Zone Tested	Lansing
Company	Staab Energy	Date	5-19-92
Comp. Rep.	Todd Morgenstern	Tester	Greg Saffa
Contractor	Shields Drilling	Ticket No.	12971
Location	9 10S 24W	Graham County	Elevation

Recorder No. 13810 Clock Range 12 hr. Blow _____
 Depth 3908 Initial Flow Weak died in 7 min.
 Initial Hydro Mud Press. 1939
 Initial Flow Press. 44-44
 Initial Shut-in Press. 491 Final Flow No blow
 Final Flow Press. 53-53
 Final Shut-in Press. 446
 Final Hydro Mud Press. 1893
 Temperature 100° Initial Flow 30 Mins.
 Mud Weight 9.1 Viscosity 57 Initial Shut-in 30 Mins.
 Fluid Loss 9.2 Final Flow 30 Mins.
 Interval Tested 3895-3908 13 ft. anchor Final Shut-in 30 Mins.
 Top Packer Depth 3890 Surface Choke Size 1/2
 Bottom Packer Depth 3895 Bottom Choke Size 1/2
 Total Depth 3908 Main Hole Size 7 7/8
 Drill Pipe Size 4 1/2 X H Wt. _____ Rubber Size 6 5/8
 Drill Collar I.D. 2 1/2" Ft. Run _____
 Recovery—Total Feet 15
 Recovered 15 Feet Of Muddy oil with foot of oil on top
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Remarks _____

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Owner, Operator or his Agent



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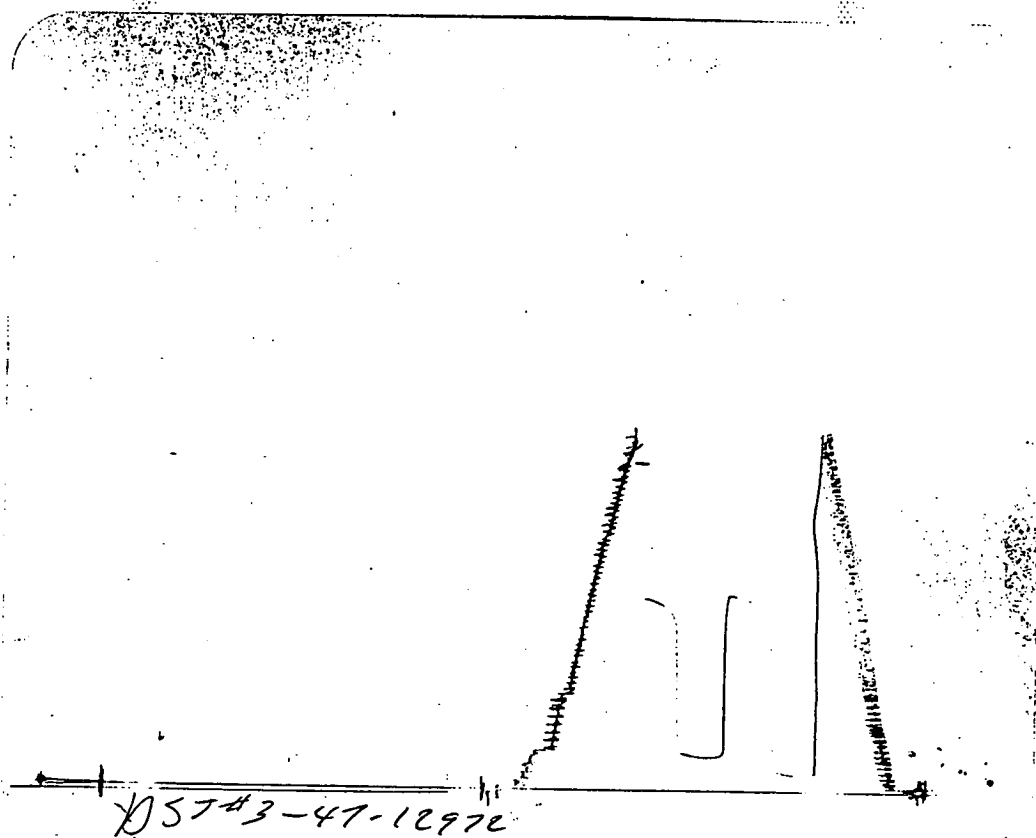
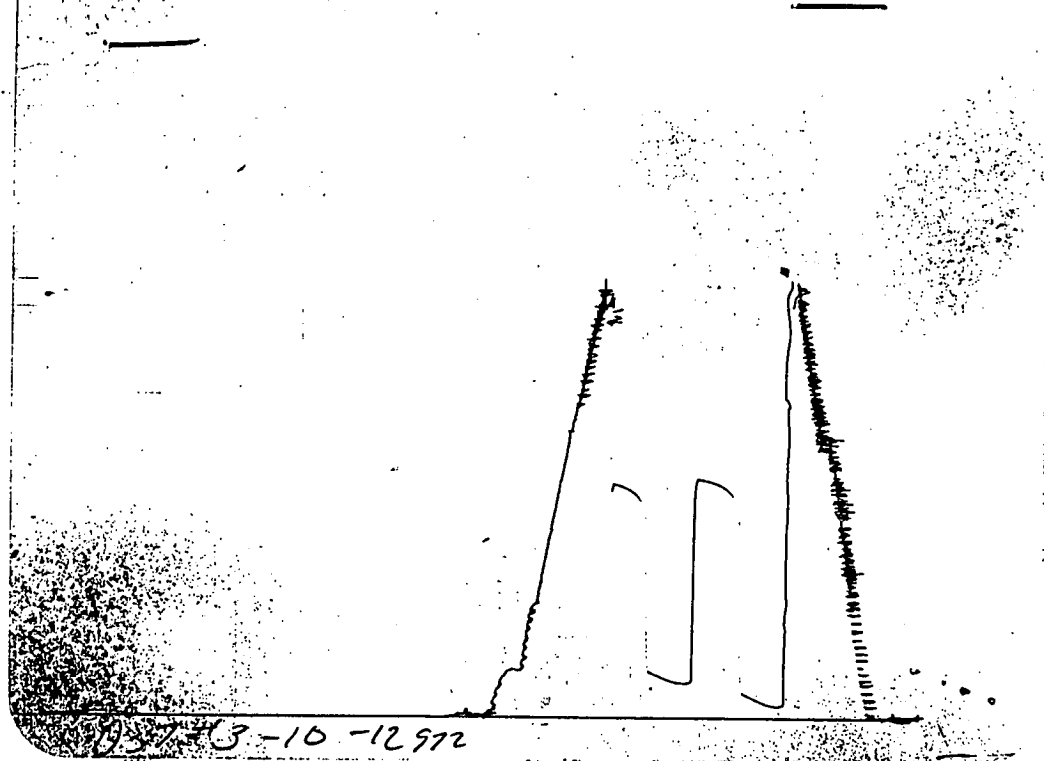
Well Name	Herman	Test No.	3
Well Number	1	Zone Tested	Lansing
Company	Staab Energy	Date	5-20-92
Comp. Rep.	Todd Morgenstern	Tester	Greg Saffa
Contractor	Shields Drilling	Ticket No.	12972
Location	9 10S 24W Graham County	Elevation	

Recorder No. 13810 Clock Range 12 hr Blow _____
 Depth 4000 Initial Flow Strong off bottom bucket in 8 min.
 Initial Hydro Mud Press. 1985
 Initial Flow Press. 80-133
 Initial Shut-in Press. 1074 Final Flow Very strong off bottom bucket in 5 min.
 Final Flow Press. 178-223
 Final Shut-in Press. 1028
 Final Hydro Mud Press. 1893
 Temperature 127° Initial Flow 30 Mins.
 Mud Weight 9.2 Viscosity 57 Initial Shut-in 30 Mins.
 Fluid Loss 9.6 Final Flow 30 Mins.
 Interval Tested 3956-4000 44 ft. anchor Final Shut-in 30 Mins.
 Top Packer Depth 3951 Surface Choke Size 1/2
 Bottom Packer Depth 3956 Bottom Choke Size 1/2
 Total Depth 4000 Main Hole Size 7 7/8
 Drill Pipe Size 4 1/2 X H Wt. _____ Rubber Size 6 5/8
 Drill Collar I.D. 2 1/2" Ft. Run _____
 Recovery—Total Feet 442
 Recovered 10 Feet Of Clean oil
 Recovered 60 Feet Of Muddy oil
 Recovered 372 Feet Of Water 47,000 ppm
 Recovered _____ Feet Of _____
 Remarks _____

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DRILL-STEM TEST DATA

Well Name	Herman	Test No.	4
Well Number	1	Zone Tested	Lansing
Company	Staab Energy	Date	5-20-92
Comp. Rep.	Todd Morgenstern	Tester	Greg Saffa
Contractor	Shields Drilling	Ticket No.	12973
Location	9 10S 24W Graham County	Elevation	

Recorder No. 13810 Clock Range 12 hr Blow _____

Depth 4035 Initial Flow Very strong off bottom bucket soon as tool opened

Initial Hydro Mud Press. 1985

Initial Flow Press. 205-446

Initial Shut-in Press. 1210 Final Flow Very strong

Final Flow Press. 508-598

Final Shut-in Press. 1210

Final Hydro Mud Press. 1939

Temperature 121° Initial Flow 30 Mins.

Mud Weight 9.2 Viscosity 53 Initial Shut-in 30 Mins.

Fluid Loss 10.4 Final Flow 30 Mins.

Interval Tested 4006-4035 29 ft. anchor Final Shut-in 30 Mins.

Top Packer Depth 4001 Surface Choke Size 1/2

Bottom Packer Depth 4006 Bottom Choke Size 1/2

Total Depth 4035 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 X H Wt. _____ Rubber Size 6 5/8

Drill Collar I.D. 2 1/2" Ft. Run _____

Recovery—Total Feet 1675

Recovered 1550 Feet Of Clean gasy oil (37 grav)

Recovered 125 Feet Of Muddy oil

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Remarks _____

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