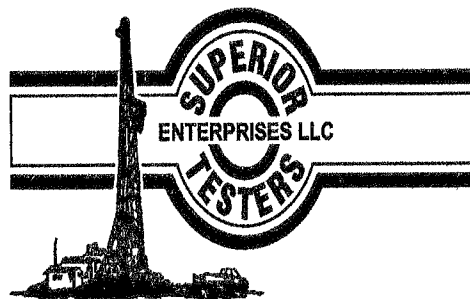


15-135-24850

24-19s-26w

IND



DRILL STEM TEST REPORT

Prepared For: **PICKRELL DRILLING COMPANY INC**

100 S MAIN STE 505
WICHITA KS 67202-3738

ATTN: JERRY SMITH

24-19-26W NESS

VOGELTRUST "D" #1

Start Date: 2008.10.29 @ 19:20:00

End Date: 2008.10.30 @ 04:20:15

Job Ticket #: 16663 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2008.10.30 @ 08:33:34

PICKRELL DRILLING COMPANY INC

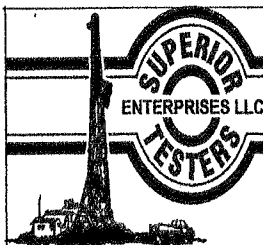
VOGELTRUST "D" #1

24-19-26W NESS

DST # 1

MISSISSIPPIAN

2008.10.29



DRILL STEM TEST REPORT

PICKRELL DRILLING COMPANY INC

100 S MAIN STE 505
WICHITA KS 67202-3738

ATTN: JERRY SMITH

VOGELTRUST "D" #1

24-19-26W NESS

Job Ticket: 16663

DST#: 1

Test Start: 2008.10.29 @ 19:20:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:27:46

Time Test Ended: 04:20:15

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320- 170 - GB

Interval: **4569.00 ft (KB) To 4586.00 ft (KB) (TVD)**

Total Depth: 4586.00 ft (KB) (TVD)

Hole Diameter: 6.88 inches Hole Condition: Fair

Reference Elevations: 2602.00 ft (KB)

2597.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 4023

Press@RunDepth: 170.80 psia @ ft (KB)

Start Date: 2008.10.29

End Date:

2008.10.30

Start Time: 19:20:01

End Time:

04:20:16

Capacity: 5000.00 psia

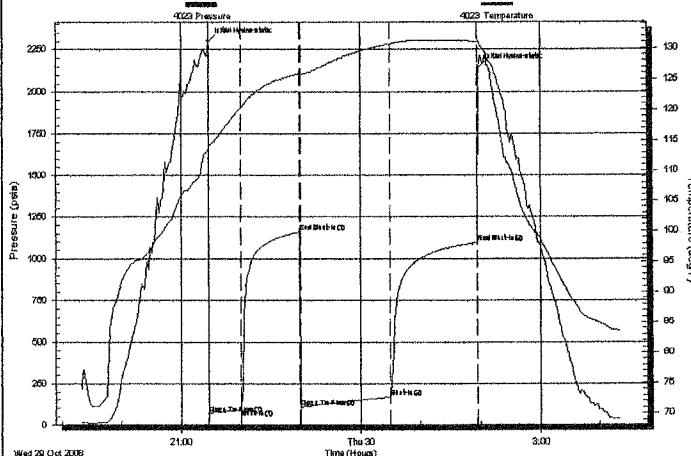
Last Calib.: 2008.10.30

Time On Btm: 2008.10.29 @ 21:27:15

Time Off Btm:

TEST COMMENT: 30/INITIAL OPEN:FAIR BLOW BUILT 10 INCHES INTO BUCKET IN 30 MINUTES
60/INITIAL SHUT IN:NO BLOW BACK
90/FINAL OPEN:FAIR BLOW BUILT BOTTOM OF BUCKET IN 45 MINUTES
90/FINAL SHUT IN:NO BLOW BACK

Pressure vs. Time



PRESSURE SUMMARY

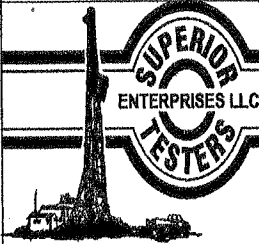
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2299.76	113.60	Initial Hydro-static
1	70.19	113.86	Open To Flow (1)
33	95.47	120.22	Shut-In(1)
93	1158.72	125.78	End Shut-In(1)
94	107.65	125.75	Open To Flow (2)
183	170.90	130.60	Shut-In(2)
271	1098.51	131.05	End Shut-In(2)
272	2145.80	131.17	Initial Hydro-static

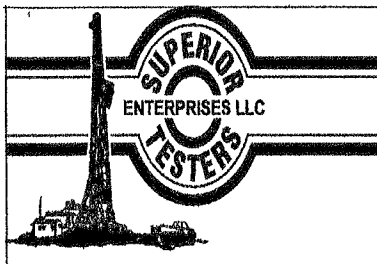
Recovery

Length (ft)	Description	Volume (bbl)
90.00	GAS IN PIPE 100%	1.26
30.00	GASSEY OIL 20%G 80%O	0.42
180.00	GASSEY OIL 20%G 80%O	2.52
60.00	O&W CUT M 20%O 30%W 50%M	0.84
60.00	O & M CUT WATER 5%O 20%M 75%W	0.84

Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (Mcf/d)
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	DRILL STEM TEST REPORT	TOOL DIAGRAM																																																																																																									
PICKRELL DRILLING COMPANY INC 100 S MAIN STE 505 WICHITA KS 67202-3738 ATTN: JERRY SMITH	VOGELTRUST "D" #1 24-19-26W NESS Job Ticket: 16663 DST#: 1 Test Start: 2008.10.29 @ 19:20:00																																																																																																										
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DRILL STEM TEST REPORT

FLUID SUMMARY

PICKRELL DRILLING COMPANY INC

VOGELTRUST "D" #1

100 S MAIN STE 505
WICHITA KS 67202-3738

24-19-26W NESS

Job Ticket: 16663

DST#: 1

ATTN: JERRY SMITH

Test Start: 2008.10.29 @ 19:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 61.00 sec/qt

Water Loss: 9.59 in³

Resistivity: ohm.m

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psia

Oil API:

Water Salinity:

46 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GAS IN PIPE 100%	1.262
30.00	GASSEY OIL 20%G 80%O	0.421
180.00	GASSEY OIL 20%G 80%O	2.525
60.00	O&W CUT M 20%O 30%W 50%M	0.842
60.00	O & M CUT WATER 5%O 20%M 75%W	0.842

Total Length: 420.00 ft

Total Volume: 5.892 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: CHLORIDES 20,000 GRAVITY OIL 46

Serial #: 4023

PICKRELL DRILLING COMPANY INC

24-19-26W NESS

DST Test Number: 1

Pressure vs. Time

