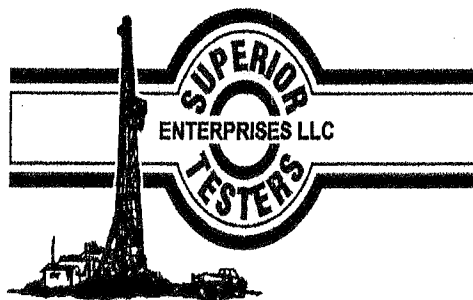


15-163-23735

23-10s-20w

K65✓



DRILL STEM TEST REPORT

Prepared For: **RANEY OIL COMPANY L.L.C**

3425 TAM OSKANTER DR.
LAWRENCE KS 66047

ATTN: DUANE STECKLEIN

23-10-20

ROGERS-SUTOR #1

Start Date: 2008.10.14 @ 15:13:19

End Date: 2008.10.15 @ 00:55:49

Job Ticket #: 16628 DST #: 1

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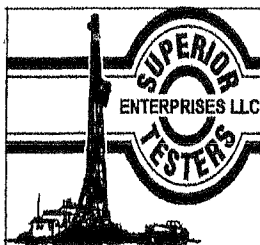
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CONSERVATION DIVISION
WICHITA, KS

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

Printed: 2008.10.15 @ 09:17:22

RANEY OIL COMPANY L.L.C
ROGERS-SUTOR #1
23-10-20
DST # 1
ARBUCKLE
2008.10.14



DRILL STEM TEST REPORT

RANEY OIL COMPANY L.L.C

3425 TAM OSKANTER DR.
LAWRENCE KS 66047

ATTN: DUANE STECKLEIN

ROGERS-SUTOR #1

23-10-20

Job Ticket: 16628

DST#: 1

Test Start: 2008.10.14 @ 15:13:19

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:34:49

Time Test Ended: 00:55:49

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 206M GB

Interval: **3690.00 ft (KB) To 3790.00 ft (KB) (TVD)**

Reference Elevations: 2231.00 ft (KB)

Total Depth: 3790.00 ft (KB) (TVD)

2226.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8400

Press@RunDepth: 504.47 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2008.10.14

End Date:

2008.10.15

Last Calib.: 1899.12.30

Start Time: 15:14:19

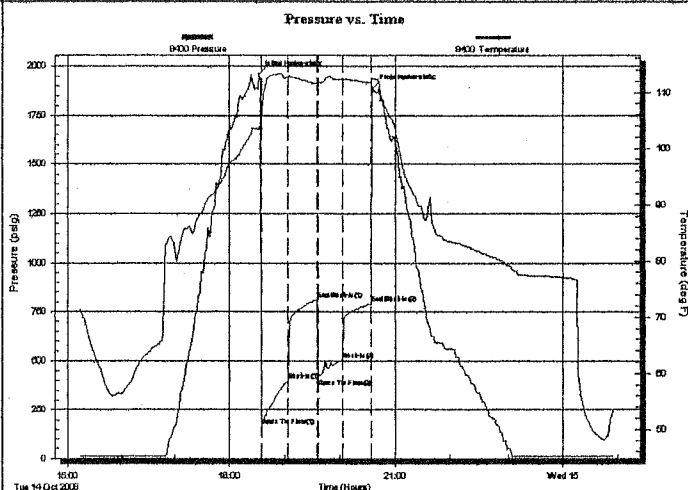
End Time:

00:55:49

Time On Btm: 2008.10.14 @ 18:31:49

Time Off Btm: 2008.10.14 @ 20:35:19

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 2 MINS
30-INITIAL SHUT IN FAIR BLOW BACK
30-FINAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 3 MINS
30-FINAL SHUT IN FAIR BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.58	103.46	Initial Hydro-static
3	166.93	104.90	Open To Flow (1)
32	400.50	112.83	Shut-In(1)
63	814.55	111.54	End Shut-In(1)
64	410.97	111.39	Open To Flow (2)
91	504.47	112.19	Shut-In(2)
122	792.50	111.80	End Shut-In(2)
124	1891.02	112.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2770.00	GAS IN PIPE 100% GAS	40.51
630.00	GASSEY OIL	9.21
420.00	GAS OIL CUT MUD 25% GAS 35% OIL 40% MUD	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 16628

Printed: 2008.10.15 @ 09:17:22

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CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

TOOL DIAGRAM

RANEY OIL COMPANY L.L.C

ROGERS-SUTOR #1

3425 TAM OSKANTER DR.
LAWRENCE KS 66047

23-10-20

Job Ticket: 16628

DST#: 1

ATTN: DUANE STECKLEIN

Test Start: 2008.10.14 @ 15:13:19

Tool Information

Drill Pipe:	Length: 3664.00 ft	Diameter: 3.88 inches	Volume: 53.58 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume:	53.58 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 29000.00 lb
Depth to Top Packer:	3690.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.39 ft			
Tool Length:	130.39 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

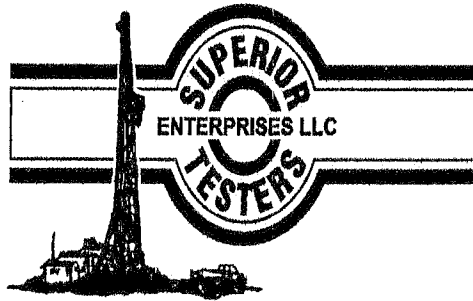
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
CIRCULATING SUB	1.00			3661.00	
CHANGE OVER SUB	1.00			3662.00	
SHUT IN TOOL	5.00			3667.00	
HYDROLIC TOOL	5.00		Fluid	3672.00	
JARS	6.00			3678.00	
SAFETY JOINT	2.00			3680.00	
Packer	5.00			3685.00	30.00 Bottom Of Top Packer
Packer	5.00		Inside	3690.00	
STUBB	0.00			3690.00	
Anchor	30.00			3720.00	
CHANGE OVER	0.75			3720.75	
DRILL PIPE	63.89			3784.64	
CHANGE OVER	0.75			3785.39	
BULL PLUG	5.00			3790.39	100.39 Bottom Packers & Anchor

Total Tool Length: 130.39

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CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **RANEY OIL COMPANY L.L.C**

3425 TAM OSKANTER DR.
LAWRENCE KS 66047

ATTN: DUANE STECKLEIN

23-10-20

ROGERS-SUTOR #1

Start Date: 2008.10.14 @ 15:13:19

End Date: 2008.10.15 @ 00:55:49

Job Ticket #: 16628 DST #: 1

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KANSAS CORPORATION COMMISSION

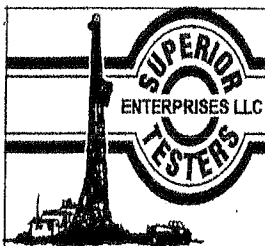
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CONSERVATION DIVISION
WICHITA, KS

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

Printed: 2008.10.15 @ 09:17:22

RANEY OIL COMPANY L.L.C
ROGERS-SUTOR #1
23-10-20
DST #1
ARBuckle
2008.10.14



DRILL STEM TEST REPORT

RANEY OIL COMPANY L.L.C

ROGERS-SUTOR #1

3425 TAM OSKANTER DR.
LAWRENCE KS 66047

23-10-20

Job Ticket: 16628

DST#: 1

ATTN: DUANE STECKLEIN

Test Start: 2008.10.14 @ 15:13:19

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:34:49

Time Test Ended: 00:55:49

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 206M GB

Interval: **3690.00 ft (KB) To 3790.00 ft (KB) (TVD)**

Total Depth: 3790.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2231.00 ft (KB)

2226.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8400

Press@RunDepth: 504.47 psig @ ft (KB)

Start Date: 2008.10.14

End Date:

2008.10.15

Capacity: 5000.00 psig

Last Calib.: 1899.12.30

Start Time: 15:14:19

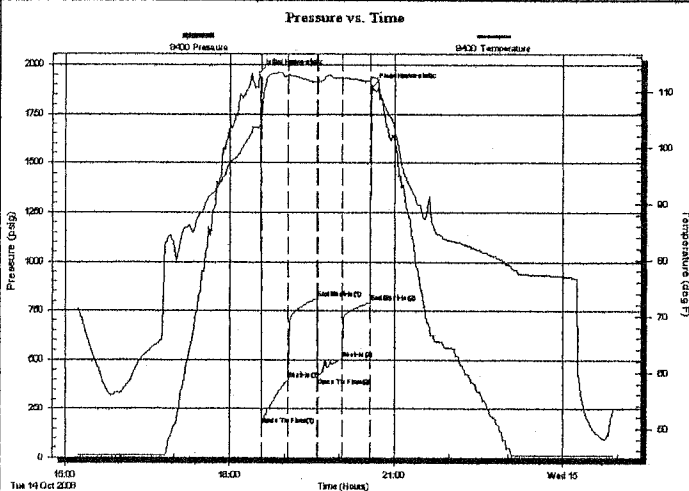
End Time:

00:55:49

Time On Btm: 2008.10.14 @ 18:31:49

Time Off Btm: 2008.10.14 @ 20:35:19

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 2 MINS
30-INITIAL SHUT IN FAIR BLOW BACK
30-FINAL OPENING GOOD BLOW BOTTOM OF THE BUCKET IN 3 MINS
30-FINAL SHUT IN FAIR BLOW BACK



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.58	103.46	Initial Hydro-static
3	166.93	104.90	Open To Flow (1)
32	400.50	112.83	Shut-In(1)
63	814.55	111.54	End Shut-In(1)
64	410.97	111.39	Open To Flow (2)
91	504.47	112.19	Shut-In(2)
122	792.50	111.80	End Shut-In(2)
124	1891.02	112.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2770.00	GAS IN PIPE 100% GAS	40.51
630.00	GASSEY OIL	9.21
420.00	GAS OIL CUT MUD 25% GAS 35% OIL 40% MUD	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

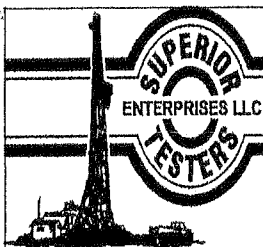
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CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

TOOL DIAGRAM

RANEY OIL COMPANY L.L.C

ROGERS-SUTOR #1

3425 TAM OSKANTER DR.
LAWRENCE KS 66047

23-10-20

Job Ticket: 16628

DST#: 1

ATTN: DUANE STECKLEIN

Test Start: 2008.10.14 @ 15:13:19

Tool Information

Drill Pipe:	Length: 3664.00 ft	Diameter: 3.88 inches	Volume: 53.58 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 53.58 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 29000.00 lb
Depth to Top Packer:	3690.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.39 ft			
Tool Length:	130.39 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

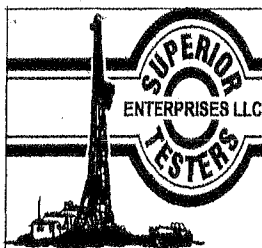
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
CIRCULATING SUB	1.00			3661.00	
CHANGE OVER SUB	1.00			3662.00	
SHUT IN TOOL	5.00			3667.00	
HYDROLIC TOOL	5.00		Fluid	3672.00	
JARS	6.00			3678.00	
SAFETY JOINT	2.00			3680.00	
Packer	5.00			3685.00	30.00 Bottom Of Top Packer
Packer	5.00		Inside	3690.00	
STUBB	0.00			3690.00	
Anchor	30.00			3720.00	
CHANGE OVER	0.75			3720.75	
DRILL PIPE	63.89			3784.64	
CHANGE OVER	0.75			3785.39	
BULL PLUG	5.00			3790.39	100.39 Bottom Packers & Anchor

Total Tool Length: 130.39

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CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

FLUID SUMMARY

RANEY OIL COMPANY L.L.C

ROGERS-SUTOR #1

3425 TAM OSKANTER DR.
LAWRENCE KS 66047

23-10-20

Job Ticket: 16628

DST#: 1

ATTN: DUANE STECKLEIN

Test Start: 2008.10.14 @ 15:13:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 0.10 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2770.00	GAS IN PIPE 100% GAS	40.509
630.00	GASSEY OIL	9.213
420.00	GAS OIL CUT MUD 25% GAS 35% OIL 40% MUD	

Total Length: 3820.00 ft

Total Volume: 49.722 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GAS TO SURFACE 17 MINS INTO 2ND OPENING

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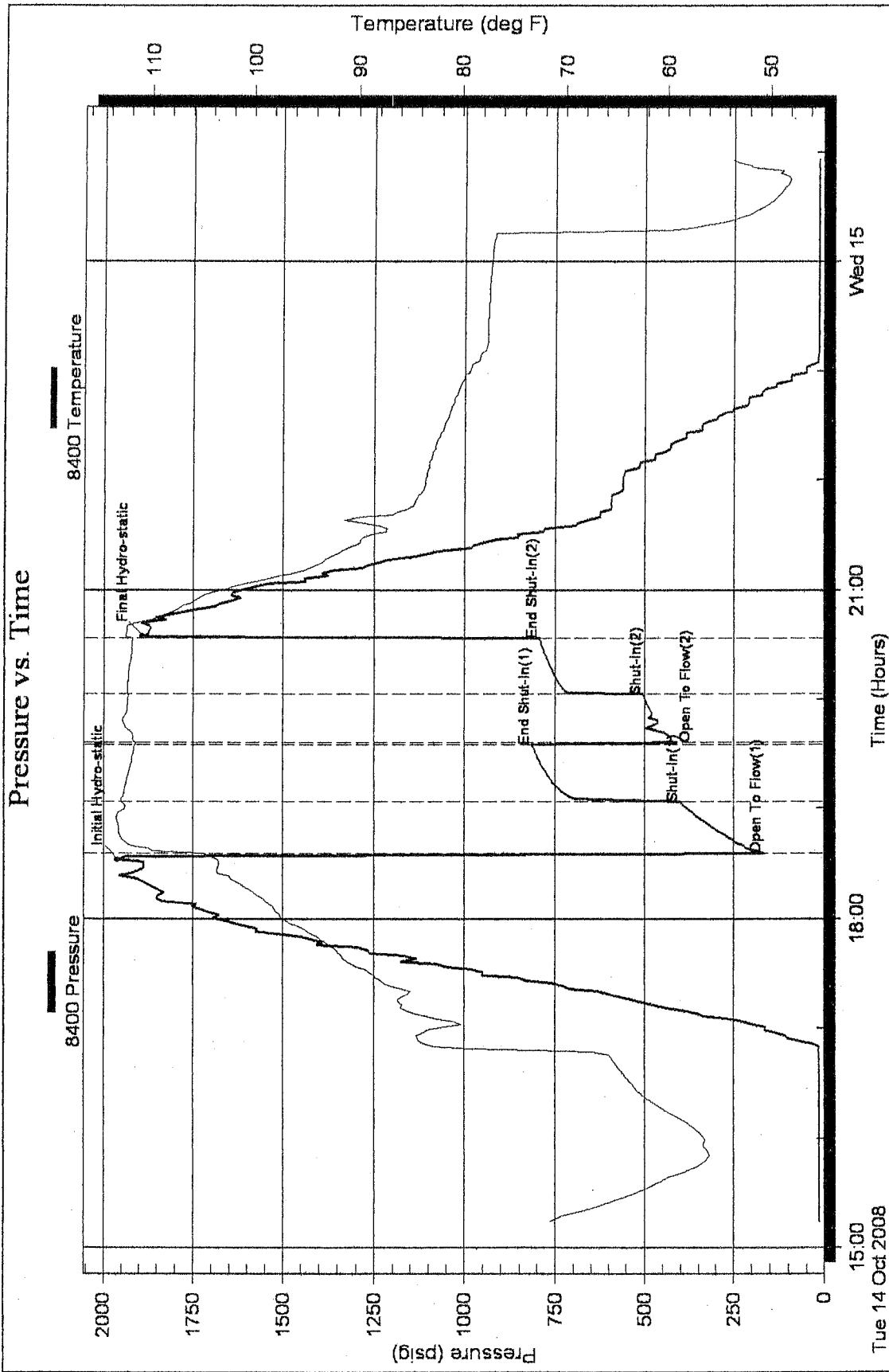
CONSERVATION DIVISION
WICHITA KS

Serial #: 8400

RANEY OIL COMPANY L.L.C

23-10-20

DST Test Number: 1



Printed: 2008.10.15 @ 09:17:22

Ref. No: 16628

Superior Testers Enterprises LLC

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CONSERVATION DIVISION
WICHITA KS