

CONFIDENTIAL

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

OPERATOR: License # 5086
Name: PINTAIL PETROLEUM, LTD
Address 1: 225 N MARKET #300
Address 2:
City: WICHITA State: KS Zip: 67202
Contact Person: INNES PHILLIPS
Phone: (316) 263-2243
CONTRACTOR: License # 4958
Name: MALLARD JV
Wellsite Geologist: MIKEAL MAUNE
Purchaser: N/A

Designate Type of Completion:

- ☒ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☒ SIOW
☐ Gas ☒ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM (Coal Bed Methane)
☐ Cathodic ☐ Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:

Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Conv. to GSW
☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

11/25/2011 12/3/2011 12/3/11
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 193-22735-0000

Spot Description:
NW NE SE SE Sec. 33 Twp. 15 S. R. 25 ☐ East ☒ West
1,305 Feet from ☐ North / ☒ South Line of Section
500 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SW

County: TREGO

Lease Name: BASINGER 'DN' Well #: 1-33

Field Name: UNKNOWN

Producing Formation: N/A

Elevation: Ground: 2430 Kelly Bushing: 2435

Total Depth: 4386 Plug Back Total Depth: N/A

Amount of Surface Pipe Set and Cemented at: 227 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set: Feet

If Alternate II completion, cement circulated from:

feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 5000 ppm Fluid volume: 480 bbls

Dewatering method used: EVAPORATE AND BACKFILL

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. ☐ East ☐ West

County: **CONFIDENTIAL** Permit #:

RECEIVED
DEC 21 2011

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: *Lue Davis*

Title: PRODUCTION & COMPLIANCE MANAGER Date: 12/15/2011

KCC Office Use ONLY

- ☒ Letter of Confidentiality Received
Date: 12.21.11 - 12.21.12
☐ Confidential Release Date:
☐ Wireline Log Received
☒ Geologist Report Received
☐ UIC Distribution
ALT ☐ I ☒ II ☐ III Approved by: *NJ* Date: 12-22-11

ALLIED CEMENTING CO., LLC. 034625

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <i>11/25/14</i>	SEC <i>33</i>	TWP. <i>15</i>	RANGE <i>25</i>	CALLED OUT	ON LOCATION	JOB START <i>10:15 AM</i>	JOB FINISH <i>10:45 PM</i>
LEASE <i>Bajinse ON</i>	WELL# <i>1-33</i>	LOCATION <i>Arnold 36 4N</i>			COUNTY <i>Wago</i>	STATE <i>Ks</i>	
OLD OR ☒ NEW (Circle one)							

CONTRACTOR *Mallard Drilling Rg 41*

OWNER

TYPE OF JOB *Surface Job*

HOLE SIZE *12 1/4* T.D. *227'*
CASING SIZE *8 1/2* DEPTH *207'*
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. *15'*
PERFS.
DISPLACEMENT *13.5 bbl*

CEMENT

AMOUNT ORDERED *150 lb - 38 cc 28.64*

COMMON *150* @ *16.25* *2437.50*
POZMIX @
GEL *3* @ *21.25* *63.75*
CHLORIDE *5* @ *58.20* *291.00*
ASC @

EQUIPMENT

PUMP TRUCK CEMENTER *Shane*
401 HELPER *Tony*
BULK TRUCK
410 DRIVER *Robert*
BULK TRUCK
DRIVER

HANDLING *158* @ *2.25* *355.50*
MILEAGE *14/86 pm* *917.12*
TOTAL *3564.82*

REMARKS:

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE *1125.00*
EXTRA FOOTAGE @
MILEAGE *24* @ *7.00* *168.00*
MANIFOLD @
@
24 @ *4.00* *96.00*

TOTAL *1389.00*

CHARGE TO: *Pintail*
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

SALES TAX (If Any)
TOTAL CHARGES *4953.82*
DISCOUNT *202*

IF PAID IN 30 DAYS
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PRINTED NAME
SIGNATURE

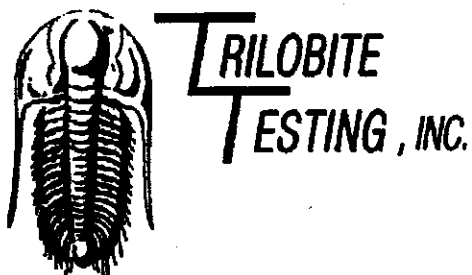
DEC 21 2012

KCC

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DEC 21 2011

KCC WICHITA



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market STE 300
Wichita KS 67202-2024

ATTN: Mikeal Maune

Basinger "DN" #1-33

33-15s-25w Trego,KS

Start Date: 2011.12.02 @ 01:45:00

End Date: 2011.12.02 @ 09:26:00

Job Ticket #: 45432 DST #: 1

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DEC 21

KCC

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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KCC WICHITA

Printed: 2011.12.07 @ 09:14:11

AP1415.135.22735.00.00
Pintail Petroleum
33-15s-25w Trego,KS
Basinger "DN" #1-33
DST # 1
Fort Scott
2011.12.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pintail Petroleum
225 N Market STE 300
Wichita KS 67202-2024
ATTN: Mikeal Maune

33-15s-25w Trego, KS

Basinger "DN" #1-33

Job Ticket: 45432

DST#: 1

Test Start: 2011.12.02 @ 01:45:00

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:00

Time Test Ended: 09:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: **4270.00 ft (KB) To 4302.00 ft (KB) (TVD)**

Total Depth: 4302.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2435.00 ft (KB)

2430.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8675

Inside

Press@RunDepth: 29.67 psig @ 4271.00 ft (KB)

Start Date: 2011.12.02

End Date:

2011.12.02

Capacity: 8000.00 psig

Last Calib.: 2011.12.02

Start Time: 01:45:01

End Time:

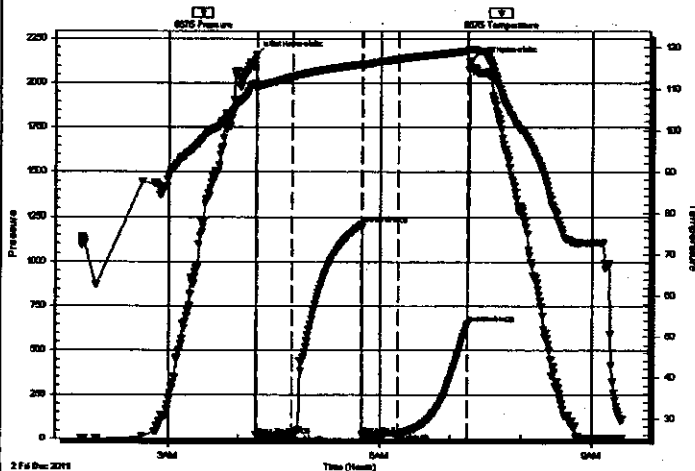
09:26:00

Time On Btm: 2011.12.02 @ 04:14:45

Time Off Btm: 2011.12.02 @ 07:16:30

TEST COMMENT: Built to 1 1/4" blow
No return blow
Built to 1/4" blow
No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.41	111.03	Initial Hydro-static
1	19.26	110.17	Open To Flow (1)
31	22.82	112.94	Shut-In(1)
90	1208.40	115.97	End Shut-In(1)
91	24.81	115.49	Open To Flow (2)
121	29.67	117.26	Shut-In(2)
180	655.31	119.20	End Shut-In(2)
182	2123.96	119.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%Mw with oil spots	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market STE 300
Wichita KS 67202-2024

ATTN: Mikeal Maune

33-15s-25w Trego, KS

Basinger "DN" #1-33

Job Ticket: 45432

DST#: 1

Test Start: 2011.12.02 @ 01:45:00

Tool Information

Drill Pipe:	Length: 4016.02 ft	Diameter: 3.80 inches	Volume: 56.33 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 241.89 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	57.52 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.41 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4270.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	59.50 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4243.50	
Shut In Tool	5.00			4248.50	
Hydraulic tool	5.00			4253.50	
Jars	5.00			4258.50	
Safety Joint	2.50			4261.00	
Packer	5.00			4266.00	27.50 Bottom Of Top Packer
Packer	4.00			4270.00	
Stubb	1.00			4271.00	
Recorder	0.00	8675	Inside	4271.00	
Recorder	0.00	8371	Outside	4271.00	
Perforations	28.00			4299.00	
Change Over Sub	0.00			4299.00	
Drill Pipe	0.00			4299.00	
Change Over Sub	0.00			4299.00	
Bullnose	3.00			4302.00	32.00 Bottom Packers & Anchor

Total Tool Length: 59.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

33-15s-25w Trego, KS

225 N Market STE 300
Wichita KS 67202-2024

Basinger "DN" #1-33

Job Ticket: 45432

DST#: 1

ATTN: Mikeal Maune

Test Start: 2011.12.02 @ 01:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100%M with oil spots	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

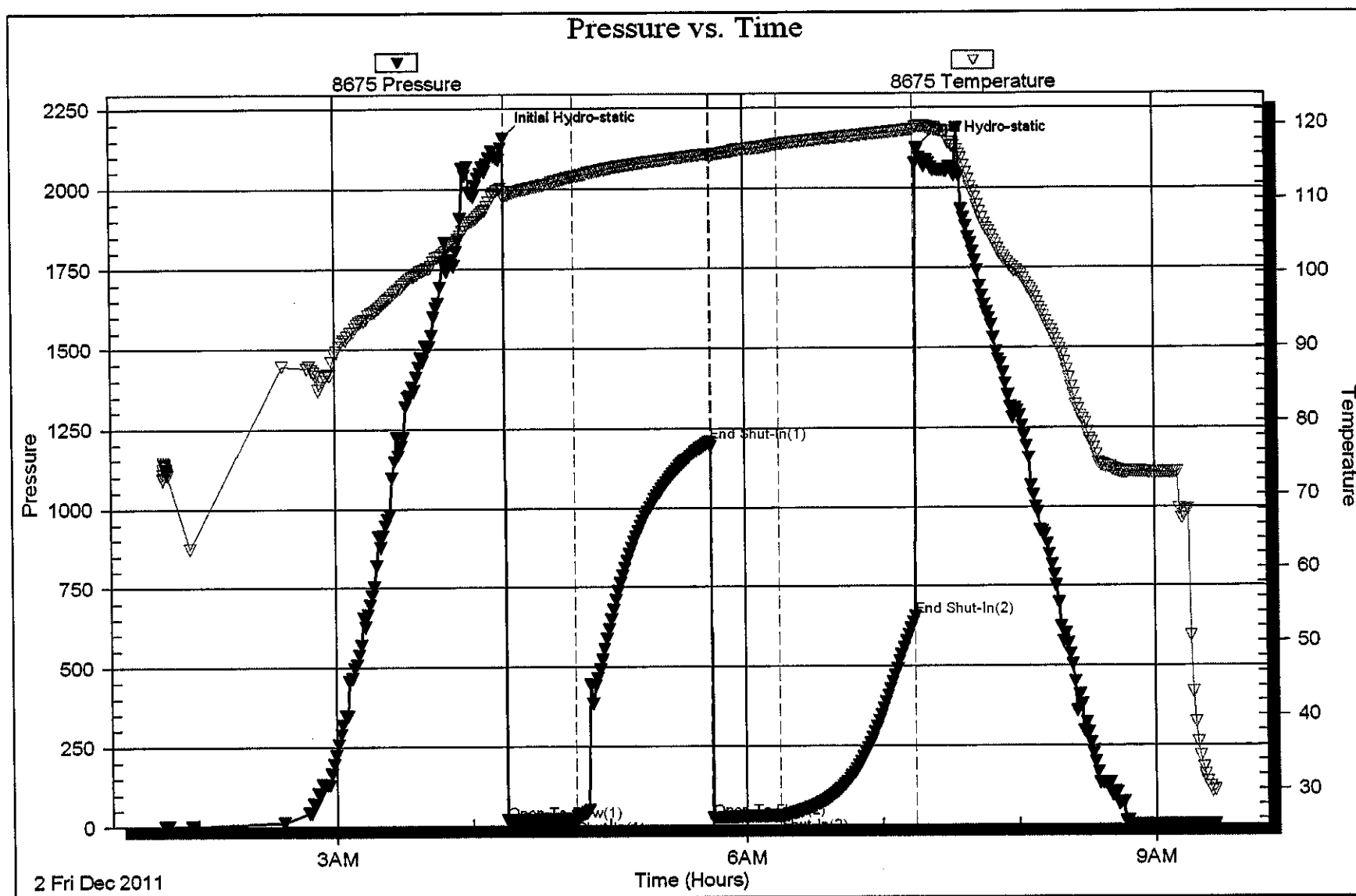
Recovery Comments:

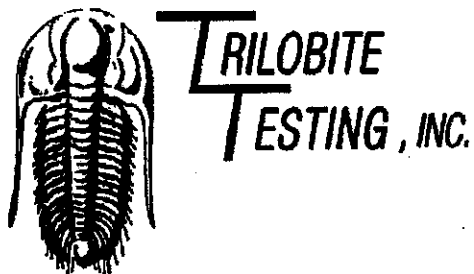
Serial #: 8675

Inside Pintail Petroleum

Basinger "DN" #1-33

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market STE 300
Wichita KS 67202-2024

ATTN: Mikeal Maune

Basinger "DN" #1-33

33-15s-25w Trego,KS

Start Date: 2011.12.02 @ 22:15:00

End Date: 2011.12.03 @ 04:56:30

Job Ticket #: 45433 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.12.07 @ 09:25:40

Pintail Petroleum

33-15s-25w Trego,KS

Basinger "DN" #1-33

DST # 2

Mississippian

2011.12.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pintail Petroleum

225 N Market STE 300
Wichita KS 67202-2024

ATTN: Mikeal Maune

33-15s-25w Trego, KS

Basinger "DN" #1-33

Job Ticket: 45433

DST#: 2

Test Start: 2011.12.02 @ 22:15:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:33:45

Time Test Ended: 04:56:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: **4314.00 ft (KB) To 4386.00 ft (KB) (TVD)**

Total Depth: 4386.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2435.00 ft (KB)

2430.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8675

Inside

Press@RunDepth: 60.53 psig @ 4315.00 ft (KB)

Start Date: 2011.12.02

End Date:

2011.12.03

Start Time: 22:15:01

End Time:

04:56:30

Capacity: 8000.00 psig

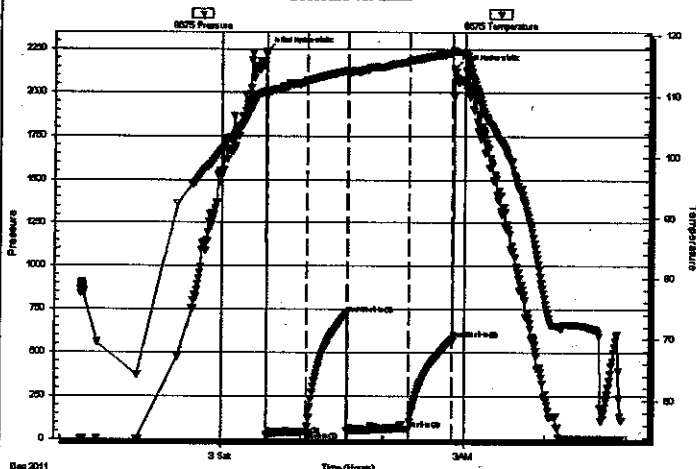
Last Calib.: 2011.12.03

Time On Btm: 2011.12.03 @ 00:33:30

Time Off Btm: 2011.12.03 @ 02:52:00

TEST COMMENT: Built to 2 1/2" blow
No return blow
Built to 1/4" blow
No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.15	110.88	Initial Hydro-static
1	25.45	110.01	Open To Flow (1)
31	43.87	112.53	Shut-In(1)
60	721.78	114.11	End Shut-In(1)
61	48.05	113.62	Open To Flow (2)
106	60.53	115.67	Shut-In(2)
138	574.29	117.01	End Shut-In(2)
139	2142.10	117.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	100% M with oil spots	0.32

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

33-15s-25w Trego, KS

225 N Market STE 300
Wichita KS 67202-2024

Basinger "DN" #1-33

Job Ticket: 45433

DST#: 2

ATTN: Mikeal Maune

Test Start: 2011.12.02 @ 22:15:00

Tool Information

Drill Pipe:	Length: 4078.90 ft	Diameter: 3.80 inches	Volume: 57.22 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 241.89 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	58.41 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	34.29 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	4314.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	99.50 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4287.50	
Shut In Tool	5.00			4292.50	
Hydraulic tool	5.00			4297.50	
Jars	5.00			4302.50	
Safety Joint	2.50			4305.00	
Packer	5.00			4310.00	27.50 Bottom Of Top Packer
Packer	4.00			4314.00	
Stubb	1.00			4315.00	
Recorder	0.00	8675	Inside	4315.00	
Recorder	0.00	8371	Outside	4315.00	
Perforations	35.00			4350.00	
Change Over Sub	1.00			4351.00	
Drill Pipe	31.00			4382.00	
Change Over Sub	1.00			4383.00	
Bullnose	3.00			4386.00	72.00 Bottom Packers & Anchor

Total Tool Length: 99.50



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TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

33-15s-25w Trego, KS

225 N Market STE 300
Wichita KS 67202-2024

Basinger "DN" #1-33

Job Ticket: 45433

DST#: 2

ATTN: Mikeal Maune

Test Start: 2011.12.02 @ 22:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	100% M with oil spots	0.320

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

Inside Pntail Petroleum

Basinger "DN" #1-33

DST Test Number: 2

