KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1161428

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5086
Name: Pintail Petroleum, Ltd.
Address 1: 225 N MARKET STE 300
Address 2:
City: WICHITA State: KS Zip: 67202 + 2024
Contact Person: WALTER INNES PHILLIPS
Phone: (316) 263-2243
CONTRACTOR: License # 4958
Name: Mallard, J. V., Inc.
Wellsite Geologist: SETH EVENSON
Purchaser: PLAINS MARKETING

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

6/1/2013	6/7/2013	7/23/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25586-00-00
Spot Description:
SW - SE - NW - NW Sec. 10 Twp. 19 S. R. 24 [ ] East [x] West
1250 Feet from [x] North / [ ] South Line of Section
790 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [x] NW [ ] SE [ ] SW
County: Ness
Lease Name: Kerr DG Well #: 2-10
Field Name: FRANKLINVILLE
Producing Formation: MISSISSIPPI
Elevation: Ground: 2291 Kelly Bushing: 2299
Total Depth: 4400 Plug Back Total Depth: 4364
Amount of Surface Pipe Set and Cemented at: 231 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 1640 w/ 100 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 9000 ppm Fluid volume: 480 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. [ ] East [ ] West
County: Permit #:

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.

Submitted Electronically

KCC Office Use ONLY

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [ ] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 10/07/2013

Side Two

[redacted] 1161428

Operator Name: Pintail Petroleum, Ltd. Lease Name: Kerr DG Well #: 2-10

Sec. 10 Twp. 19 S. R. 24 ☐ East ☑ West County: Ness

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
ANHYDRITE	1568	731
HEEBNER	3687	-1388
LANSING	3728	-1429
BKC	4035	-1736
FT SCOTT	4233	-1934
MISSISSIPPI	4342	-2043

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	23	231	COMMON	150	2% GEL 3% CC
PRODUCTION	7.875	5.5	14	4399	ACS	300	6% GEL

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☑ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	0-1640	COMMON	100	ACS
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	4338-4348	250 GAL ACID	4358

TUBING RECORD: Size: 2-3/8 Set At: 4384 Packer At: 4264

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 8/22/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3.5	0	0		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Surface

ALLIED OIL & GAS SERVICES, LLC 050807

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Coleman Brook

DATE 8-1-13	SEC 10	TWP 19S	RANGE 24W	CALLED OUT	ON LOCATION	JOB START 12 Am	JOB FINISH 1230 Am
LEASE Herron	WELL # 2-10		LOCATION Ness City 2W to Rd 25 ½ W Into			COUNTY Ness	STATE Ks
OLD OR NEW (Circle one)							

CONTRACTOR Mallard
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 231
CASING SIZE 8⅝ DEPTH
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER Pintail Pet.

CEMENT
AMOUNT ORDERED 150 Sks class A 3%cc 2% gel

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
306 HELPER Chaase Bergen
BULK TRUCK
610 DRIVER Tim Dickson
BULK TRUCK
DRIVER

COMMON	150	@ 17.90	2.685.00
POZMIX		@	
GEL	3	@ 23.40	70.20
CHLORIDE	5	@ 64.00	320.00
ASC		@	
HANDLING	162.09	@ 2.48	401.98
MILEAGE	74 x 5 x	2.60	96.20
		TOTAL	3.573.38

REMARKS:
Run 8⅝ pipe
Circulate with Rig mud
pump cement 123.25 bbls
Displace fresh water 13.75 bbls
Cement in Cellar
Finish 1230 Am

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1512.00
EXTRA FOOTAGE		@	
MILEAGE	Hum 5	@ 7.70	38.50
MANIFOLD		@	
	hum 5	@ 4.40	22.00
		@	
		TOTAL	1.572.50

CHARGE TO: Pintail Petroleum
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 5.146.13
DISCOUNT 1.029.22 IF PAID IN 30 DAYS
4.116.90

PRINTED NAME X Frank Symank
SIGNATURE X Frank Symank

Thank you!!

1st 5.647

ALLIED OIL & GAS SERVICES, LLC 060528

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE 6-8-13	SEC. 10	TWP. 19S	RANGE 24W	CALLED OUT 10 AM	ON LOCATION 1130PM	JOB START 6105PM	JOB FINISH 10:10 PM
LEASE Kerr DC	WELL # 2-10		LOCATION Ness City 2W to Rd 25 1/2W S into			COUNTY Ness	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Mallard Drilling
TYPE OF JOB Production 2 stage
HOLE SIZE 7 7/8 T.D. 4410
CASING SIZE 5 1/2 DEPTH 4410
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 2,000 MINIMUM
MEAS. LINE SHOE JOINT N/A
CEMENT LEFT IN CSG. 0 bbls
PERFS.
DISPLACEMENT 39.77 bbls

OWNER Mutual Petroleum

CEMENT
AMOUNT ORDERED 300 sks 65/35 6% Gel 1/4# Flocele

EQUIPMENT
PUMP TRUCK # 597 CEMENTER Patrick Helgerson HELPER Kevin Eddy
BULK TRUCK # 609 DRIVER Dan Casper
BULK TRUCK # DRIVER Kevin Wieghaus

COMMON	195	@ 17.90	3.490.50
POZMIX	105	@ 9.35	981.75
GEL	16	@ 23.40	374.40
CHLORIDE		@	
ASC		@	
flo seal	75	@ 2.97	222.75
HANDLING	331.66	@ 2.48	822.21
MILEAGE	13.88 X 5 X	2.60	180.48
		TOTAL	6.072.35

REMARKS:
Plugged rathole w/ 10 bbls cement @ 125 PPG
Plugged mousehole w/ 7 bbls cement @ 125 PPG
Pumped 5 bbl H20 spacer pumped 10 bbl
Mud flush pumped 5 bbl H20 spacer pumped
88 bbls cement @ 125 PPG. Washed pumps & lines.
Released Top plug displaced 39.77 bbls H20,
bumped plug and closed DV Tool
Circulated 30 bbls cement to surface.

SERVICE

DEPTH OF JOB	1604		
PUMP TRUCK CHARGE			2.158.75
EXTRA FOOTAGE		@	
MILEAGE		@	
MANIFOLD		@	
		@	
		@	
		TOTAL	2158.75

CHARGE TO: Mutual Petroleum
STREET 225 N Market STE 300
CITY Wichita STATE KS ZIP 67202

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
		TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)	
TOTAL CHARGES	8.231.10
DISCOUNT	2.057.77 IF PAID IN 30 DAYS
	6.173.32

PRINTED NAME Seth Evenson

SIGNATURE Seth Evenson

2nd stage

ALLIED OIL & GAS SERVICES, LLC 050527

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE 6-8-13	SEC. 10	TWP. 19S	RANGE 24W	CALLED OUT 10 AM	ON LOCATION 1130PM	JOB START 7145 PM	JOB FINISH 7155 PM
LEASE Kerr W	WELL # 2-10		LOCATION Ness City 2W to Pad 25 1/2 W Into			COUNTY Ness	STATE KS
OLD OR (NEW) (Circle one)							

CONTRACTOR Mallard Drilling
TYPE OF JOB Production 2 stage
HOLE SIZE 7 7/8 T.D. 4400
CASING SIZE 5 1/2 DEPTH 4401
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 2000 MINIMUM
MEAS. LINE SHOE JOINT 11
CEMENT LEFT IN CSG. 37 bbls
PERFS.
DISPLACEMENT 107 bbls

OWNER Natal Petroleum

EQUIPMENT

PUMP TRUCK CEMENTER Patrick Helgerson
597 HELPER Kevin Eddy
BULK TRUCK
579 DRIVER Kevin Vaughans
BULK TRUCK
DRIVER Don Casper

REMARKS:

Pumped 5 bbl H20 broke circulation, 10 bbls mud Flush, 5 bbl H20 spacer, 28 bbls cement @ 14#, washed pumps & lines, launched bottom latch down plug, displaced 70 bbls H20 then 37 bbls of mud landed plug, dropped bomb and opened DV Tool Cy circulated mud.

CHARGE TO: Natal Petroleum
STREET 225 N. Market STE 300
CITY Wichita STATE KS ZIP 67202

CEMENT

AMOUNT ORDERED 100 sacks ACS
10% Salt 5# Kolseal .14% CFR

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC 100	@	20.90	2090.00
	@		
OF 14	@	9.80	137.20
Gilsonite 500 lbs	@	.98	490.00
	@		
	@		
	@		
	@		
	@		
HANDLING 174.33	@	2.48	432.33
MILEAGE 5.35 X 5 X		2.60	69.55
		TOTAL	3.219.08

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			2765.25
EXTRA FOOTAGE	@		
MILEAGE Hum 5	@	7.70	38.50
MANIFOLD	@		
hum 5	@	4.40	22.00
	@		
		TOTAL	2.826.25

PLUG & FLOAT EQUIPMENT

5 1/2 Float Shoe	@ 339.30	339.30
5 1/2 Latchdown Plug & Baffle	@ 398.75	398.75
5 1/2 DV Tool	@	4087.00
6 - 5 1/2 centralizers	@ 28.10	168.60
5 1/2 cement basket	@ 159.90	159.90
	TOTAL	5.153.05

1013

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

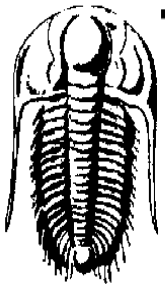
PRINTED NAME Seth Evenson

SIGNATURE

SALES TAX (If Any)
TOTAL CHARGES 6.045.33
DISCOUNT 1.511.33 IF PAID IN 30 DAYS

4.533.99
5153.05

9.687.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum, LTD**

225 N Market St. STE 300
Wichita, KS 67202

ATTN: Seth Evenson

Kerr DG #2-10

10 19s 24w Ness,KS

Start Date: 2013.06.07 @ 19:17:00

End Date: 2013.06.08 @ 02:58:30

Job Ticket #: 53243 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.06.10 @ 11:51:11

DRILL STEM TEST REPORT

Pintail Petroleum, LTD

225 N Market St. STE 300
Wichita, KS 67202

ATTN: Seth Evenson

10 19s 24w Ness,KS

Kerr DG #2-10

Job Ticket: 53243 **DST#: 1**

Test Start: 2013.06.07 @ 19:17:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:36:30
Time Test Ended: 02:58:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 53

Interval: 4281.00 ft (KB) To 4352.00 ft (KB) (TVD)
Total Depth: 4352.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

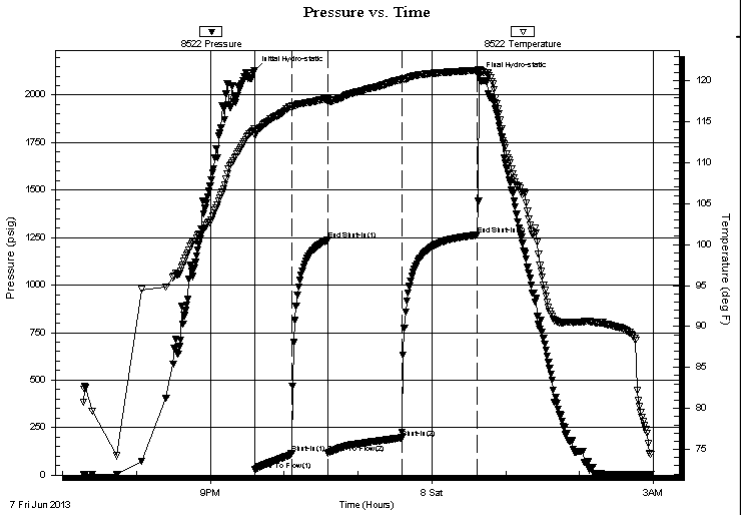
Reference Elevations: 2299.00 ft (KB)
2294.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8522 **Outside**

Press@RunDepth: 196.61 psig @ 4282.00 ft (KB)
Start Date: 2013.06.07 End Date: 2013.06.08
Start Time: 19:17:05 End Time: 02:58:29

Capacity: 8000.00 psig
Last Calib.: 2013.06.08
Time On Btm: 2013.06.07 @ 21:36:15
Time Off Btm: 2013.06.08 @ 00:38:30

TEST COMMENT: IF: 8" blow .
ISI: No return.
FF: 9" blow .
FF: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.72	114.18	Initial Hydro-static
1	27.25	113.35	Open To Flow (1)
30	113.36	116.83	Shut-In(1)
59	1236.94	117.77	End Shut-In(1)
60	116.59	117.38	Open To Flow (2)
120	196.61	120.17	Shut-In(2)
181	1263.44	121.28	End Shut-In(2)
183	2097.81	121.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	ow cm 15o 35w 50m	0.59
120.00	gsw ocm 5g 5w 40o 50m	0.59
160.00	gocm 5g 35o 60m	1.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Pintail Petroleum, LTD

225 N Market St. STE 300
Wichita, KS 67202

ATTN: Seth Evenson

10 19s 24w Ness,KS

Kerr DG #2-10

Job Ticket: 53243 **DST#: 1**

Test Start: 2013.06.07 @ 19:17:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:36:30
Time Test Ended: 02:58:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 53

Interval: 4281.00 ft (KB) To 4352.00 ft (KB) (TVD)
Total Depth: 4352.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

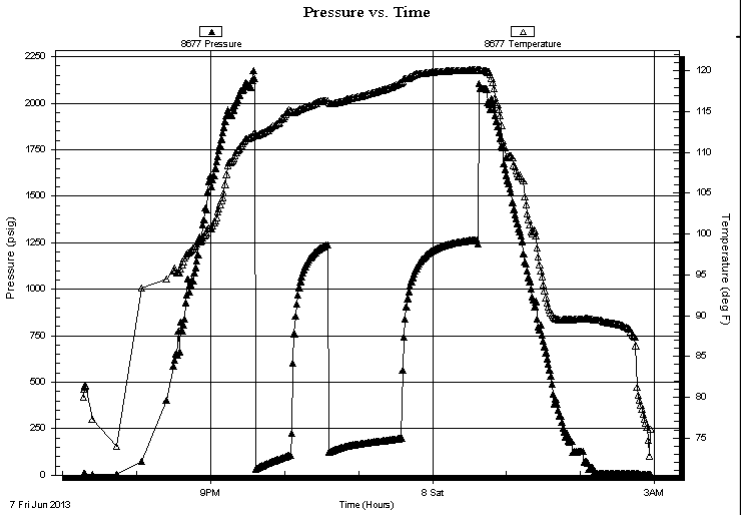
Reference Elevations: 2299.00 ft (KB)
2294.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8677 **Inside**

Press@RunDepth: psig @ 4282.00 ft (KB)
Start Date: 2013.06.07 End Date: 2013.06.08
Start Time: 19:17:05 End Time: 02:57:14

Capacity: 8000.00 psig
Last Calib.: 2013.06.08
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 8" blow .
ISI: No return.
FF: 9" blow .
FF: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	ow cm 15o 35w 50m	0.59
120.00	gsw ocm 5g 5w 40o 50m	0.59
160.00	gocm 5g 35o 60m	1.73

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD

225 N Market St. STE 300
Wichita, KS 67202

ATTN: Seth Evenson

10 19s 24w Ness,KS

Kerr DG #2-10

Job Ticket: 53243 **DST#: 1**

Test Start: 2013.06.07 @ 19:17:00

Tool Information

Drill Pipe:	Length:	3987.00 ft	Diameter:	3.80 inches	Volume:	55.93 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:		25000.00 lb
Drill Collar:	Length:	296.00 ft	Diameter:	2.25 inches	Volume:	1.46 bbl	Weight to Pull Loose:		78000.00 lb
					Total Volume:	57.39 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		22.00 ft					String Weight:	Initial	62000.00 lb
Depth to Top Packer:		4281.00 ft						Final	63000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		71.00 ft							
Tool Length:		91.00 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			4262.00		
Shut In Tool	5.00			4267.00		
Hydraulic tool	5.00			4272.00		
Packer	5.00			4277.00	20.00	Bottom Of Top Packer
Packer	4.00			4281.00		
Stubb	1.00			4282.00		
Recorder	0.00	8677	Inside	4282.00		
Recorder	0.00	8522	Outside	4282.00		
Perforations	2.00			4284.00		
Change Over Sub	1.00			4285.00		
Drill Pipe	63.00			4348.00		
Change Over Sub	1.00			4349.00		
Bullnose	3.00			4352.00	71.00	Bottom Packers & Anchor
Total Tool Length:	**91.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, LTD

225 N Market St. STE 300
Wichita, KS 67202

ATTN: Seth Evenson

10 19s 24w Ness,KS

Kerr DG #2-10

Job Ticket: 53243 **DST#: 1**

Test Start: 2013.06.07 @ 19:17:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	18000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	ow cm 15o 35w 50m	0.590
120.00	gsw ocm 5g 5w 40o 50m	0.590
160.00	gocm 5g 35o 60m	1.734

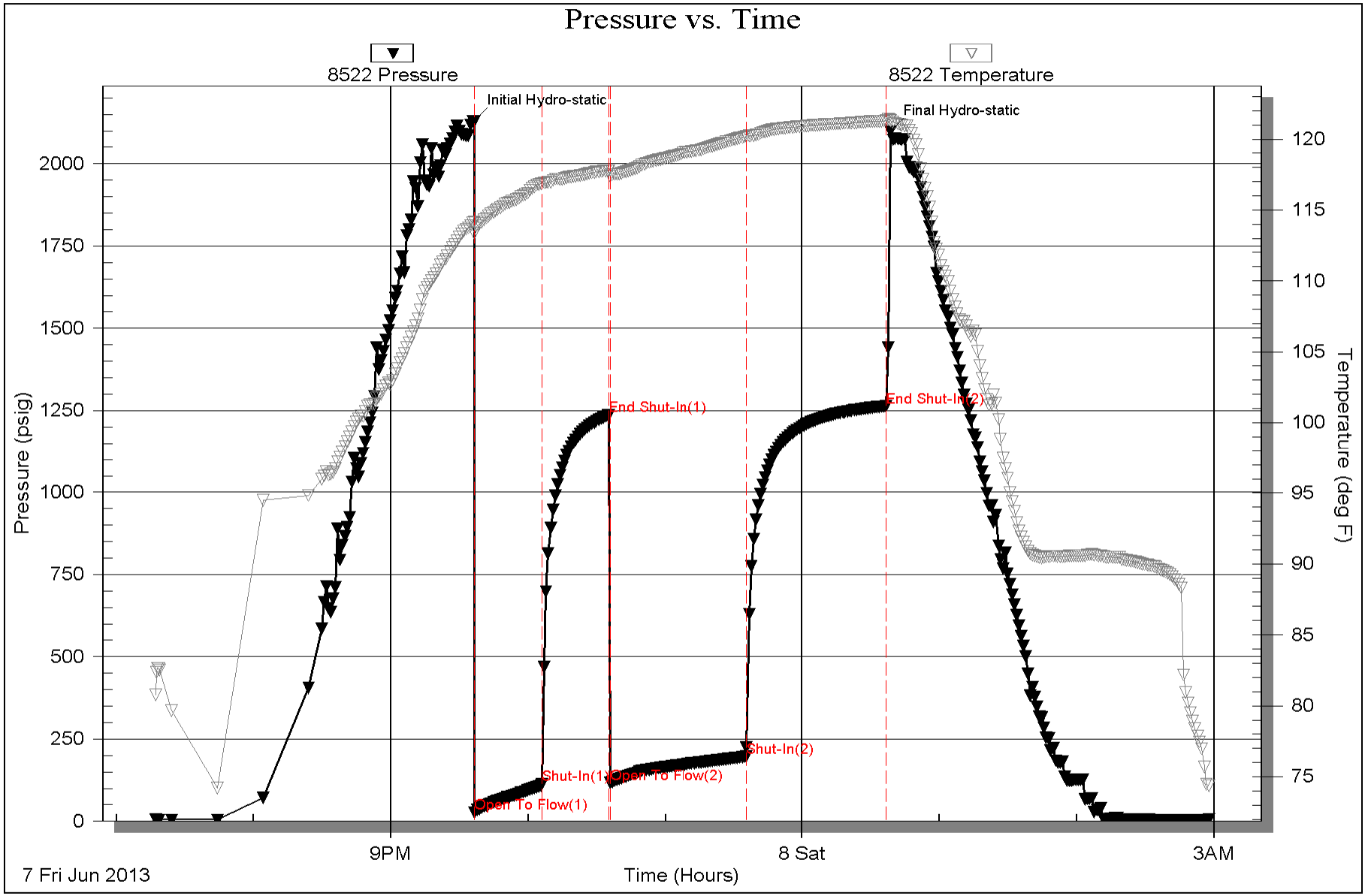
Total Length: 400.00 ft Total Volume: 2.914 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

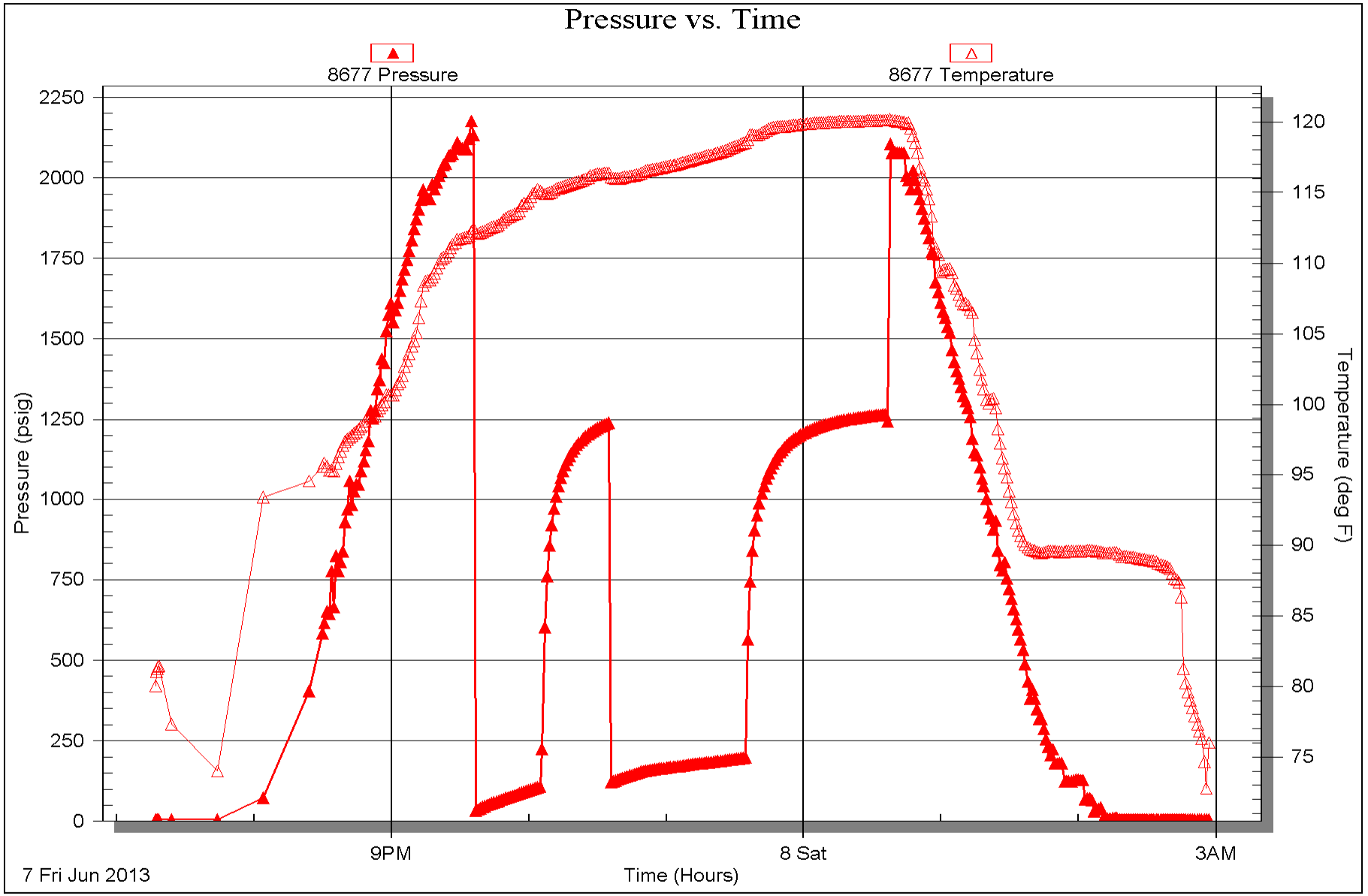
Recovery Comments: rw is .438 @ 63F = 18000ppm

Serial #: 8522 **Outside** Pintail Petroleum, LTD Kerr DG #2-10 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53243 Printed: 2013.06.10 @ 11:51:14

Serial #: 8677 **Inside** Pintail Petroleum, LTD Kerr DG #2-10 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53243 Printed: 2013.06.10 @ 11:51:14

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53243

Well Name & No. Kerr DG 2-10 Test No. 1 Date 6/08/13

Company Pintail Petroleum, LTD Elevation 2299 KB 2294 GL

Address 225 N. Market St. STE 300 Wichita, Ks 67202

Co. Rep / Geo. Seth Evenson Rig Mallard

Location: Sec. 10 Twp. 19s Rge. 24w Co. Ness State Ks

Interval Tested 4281 -4352 Zone Tested Mississippian

Anchor Length 71' Drill Pipe Run 3987 Mud Wt. 9.3

Top Packer Depth 4276 Drill Collars Run 296 Vis 52

Bottom Packer Depth 4281 Wt. Pipe Run Ø WL 8.0

Total Depth 4352 Chlorides 3500 ppm System LCM Ø

Blow Description IF: 8" blow

ISI: No return.

FF: 9" blow

FSI: No return.

Rec	160	Feet of	60CM	5	%gas	35	%oil	%water 60	%mud
Rec	120	Feet of	6SWOCM	5	%gas	40	%oil	5 %water	50 %mud
Rec	120	Feet of	OWCM		%gas	15	%oil	35 %water	50 %mud
Rec		Feet of			%gas		%oil	%water	%mud
Rec		Feet of			%gas		%oil	%water	%mud

Rec Total 400 BHT 121 Gravity — API RW .458 @ 63 °F Chlorides 18,000 ppm

(A) Initial Hydrostatic	2130	☒ Test	1250	T-On Location	1900
(B) First Initial Flow	27	☐ Jars		T-Started	1917
(C) First Final Flow	113	☐ Safety Joint		T-Open	2136
(D) Initial Shut-In	1237	☒ Circ Sub N/C		T-Pulled	0036 6/08
(E) Second Initial Flow	117	☐ Hourly Standby		T-Out	0259
(F) Second Final Flow	197	☒ Mileage 103	159.65	Comments	
(G) Final Shut-In	1263	☐ Sampler		~~WOT 15 min.~~	
(H) Final Hydrostatic	2098	☐ Straddle		changed anchor	
		☐ Shale Packer		☐ Ruined Shale Packer	
Initial Open	30	☐ Extra Packer		☐ Ruined Packer	
Initial Shut-In	30	☐ Extra Recorder		☐ Extra Copies	
Final Flow	60	☐ Day Standby		Sub Total	0
Final Shut-In	60	☐ Accessibility		Total	1409.65
		Sub Total	1409.65	MP/DST Disc't	

Approved By _____ Our Representative _____

Pintail Petroleum, Ltd.

#2-10 Kerr SG

14-23S-20W6
SW/SE/NW/NW
1230' FNL & 1230' FWL
Township 23 Range 20 W6M
Foresthills Field
Wayne County, AB

Elev. 3264'
KB 3270'
RTE 6.00 ft.

Spud date: June 2nd 2013
Rig release date: June 9th 2013

All measurements taken from KB.

Geologist Seth Evenson on rotary work 2nd 3rd 4th 5th 6th 7th 8th June 2013.
Surface casing set @ 1,000' on June 4th 2013 at 08:00 hrs.
Contractor: Western #1
Surface casing cemented from 1000 ft. to 775 ft.
Surface casing pressure tested to 1,500 psi for 30 min.

Sample Tops:

Hoebner	3687' (-1388)	**Ft. Scott**	4233' (-1934) e-log (-1932)
Toronto	3711' (-1412)	**Cherokee**	4258' (-1959) e-log (-1955)
Lansing	3728' (-1429)	**Charty-Conglmrt**	4309' (-2010) e-log (-2005)
J zone	3954' (-1655)	**Mississippian Dol**	4342' (-2044) e-log (-2039)
Hushpuckney	4008' (-1709)	**RTD**	4400' (-2101)
BKC	4035' (-1736)		
Marmaton	4075' (-1776)		
Pawnee	4156' (-1857) e-log (-1852)		

Drill Stem Tests

DST #1

Mississippian
4281'-4352'
30-30-60-60

IHP 2130#
IFP 274-1138
ISIP 1123#
FFP 1178-1978
FSIP 1263#
FHP 2098#

Rec:
160' SGOCM (5% G, 35% O)
120' SGR/WCHOCM (5% G, 40% O, 5% W)
120' OIB/WCM (15% O, 35% W)

Structural Comparison:

	#2-10 Kerr 'SG' 14-23S-20W 5W/SE/NW/NW	#1-10 Kerr 'DG' 14-23S-20W NE/NE/NW (+73)	#1-15 Aaron 15-23S-20W SE/SW/NW/NE (+78)	#1 Borger II 10-23S-20W SW/NE/NW (+73)
Anhydrite				
Hoebner	(-1388)	(-1391) (+3)	(-1389) (+1)	(-1392) (+4)
Lansing	(-1429)	(-1436) (+7)	(-1431) (+2)	(-1435) (+6)
BKC	(-1736)	(-1734) (-2)	(-1733) (+1)	(-1739) (+3)
Marmaton	(-1776)	(-1777) (+1)	(-1778) (+2)	(-1776) (+0)
Pawnee	(-1852)	(-1856) (+3)	(-1859) (+2)	(-1857) (+5)
Ft. Scott	(-1932)	(-1935) (+3)	(-1935) (+3)	(-1937) (+5)
Cherokee	(-1955)	(-1958) (+3)	(-1957) (+2)	(-1959) (+4)
Miss Dolo	(-2039)	(-2051) (+12)	(-2032) (-8)	(-2035) (-4)

The #2-10 Kerr 'DG', was successfully drilled to a total depth of 4400, with 5.5 inch production casing cemented on the 8th day of June, 2013. Fair to good shows of free oil and stain were found in beds light, dense, light brown dolomite with poor to some fair inter-crystalline porosity in the top of the Mississippian. One drill stem test was run, covering the top ten feet of the Mississippian dolomite. DST #1 (4281'-4352') recovered 160' of slightly gassy oil cut mud with a trace of water. Due to pressures held steady in the mid 1200# range, and as it was decided to attempt production through 5.5 inch casing, no fish for a cored hole rig was drilled to 4400', and a second, minor show was encountered in the dolomite at around 4335 feet.

There was approximately 17 feet of highly weathered chert/ conglomerate encountered at 4330'. This chert was highly vuggular, with good to very heavy black asphaltic stain, saturation, and traces to a fair show of black free oil. I feel that it would be an interesting zone to production test, but that it would be very likely to be water sensitive before abandonment.

The Fort Scott limestone had a fair to good show of grey free oil on breaks. The limestone was non-vuggular, with several pieces containing scattered deep vugs, and pinpoint porosity. The Fort Scott should be tested through perforations before abandonment.

Finally, a show of tan, spotty brown stain, and a trace of free oil was found in slightly chalky limestone, with very poor inter-crystalline and pinpoint porosity in the Cherokee zone. This is from the upper Marmaton section, and maybe tested through perforations if all other options are exhausted.

A cased hole log was ran in order to locate zones to perforate more precisely. After perforating the Mississippian dolomite from 4342' to 4352', the well channeled significant water behind casing from the formation below. The perforations were squeezed off, and after time to harden, the well was "back-cut" from 4330'-4342'. Hydraulic perforating job was successful. Well put on pump, making approximately 3.5 BOPD, and no water.

Respectfully submitted by,

Seth Evenson

LEGEND

Anhydrite | Salt | Sandstone | Shale | Gyp. or Limestone | Dol./Lime | Chert | Dolomite

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases

DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | SAMPLE TOPS | REMARKS

DRILLING TIME Minutes/Foot
Rate of Penetration Decreases

DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | SAMPLE TOPS | REMARKS

CONTRACTOR: Western #1
LOGS: Schlumberger
ELEVATION: KB 3270 GL 3264

LOCATION: 1230' FNL & 1230' FWL
SEC. 10 TWP. 23S RGE. 20W
COUNTY: Wayne STATE: Alberta