



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1316090
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1316090

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bear Petroleum, LLC
Well Name	GL SCHMIDT B1
Doc ID	1316090

All Electric Logs Run

Gamma Ray
Dual Induction
Compensated Neutron
Compensated Density
Microresistivity



FIELD ORDER N^o C 43912

Cement Surface

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 4-3-16 20__

IS AUTHORIZED BY: Bern Petroleum (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease GB Schmidt Well No. B-1 Customer Order No. _____

Sec. Twp. Range _____ County Rice State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	40	milesc pump truck	4. ^{00/}	160. ^{00/}
2	40	milesc pickup	2. ^{00/}	80. ^{00/}
2	1	Pump Charge - Surface		1,100. ^{00/}
2	275	60/40 per. 2% sol.	10. ^{75/}	2,956. ^{25/}
2	15	Calcium Chloride	30. ^{00/}	450. ^{00/}
2	240	Bulk Charge	1. ^{25/}	362. ^{50/}
2		Bulk Truck Miles (2.487 x 40 = 499.2 Tm x 1.14)	1.10/	549. ^{18/}
		Process License Fee on _____ Gallons		
TOTAL BILLING				5,657.87

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Nathan W.

Station G.B

Dick S.
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS



FIELD ORDER N^o C 43918

LongString

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 4-15-16 20

IS AUTHORIZED BY: Deer Petroleum (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease GL Schmidt Well No. B-1 Customer Order No. _____

Sec. Twp. Range _____ County Rice State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

Well Owner or Operator

By _____

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	45	mileage pump truck	4. ⁰⁰ / ₁₀₀	180. ⁰⁰ / ₁₀₀
2	45	mileage pickup	2. ⁰⁰ / ₁₀₀	90. ⁰⁰ / ₁₀₀
2	1	Pump Chassis - Long String		1,600. ⁰⁰ / ₁₀₀
2	250	60/100 per. 2% cel.	10. ⁷⁵ / ₁₀₀	2,687. ⁵⁰ / ₁₀₀
2	100 [#]	C-47a	8. ⁵⁰ / ₁₀₀	850. ⁰⁰ / ₁₀₀
2	100 [#]	C-41p	3. ⁷⁵ / ₁₀₀	375. ⁰⁰ / ₁₀₀
2	900 [#]	Gilsonite	.75	675. ⁰⁰ / ₁₀₀
2	1,000 [#]	Salt	.25	250. ⁰⁰ / ₁₀₀
2	5	Turbo-Controllers	85. ⁰⁰ / ₁₀₀	425. ⁰⁰ / ₁₀₀
2	32	Baskets	155. ⁰⁰ / ₁₀₀	310. ⁰⁰ / ₁₀₀
2	1	5 1/2" float shoe w/ outer fill		355. ⁰⁰ / ₁₀₀
2	1	5 1/2" latch down plus 3 baffle		175. ⁰⁰ / ₁₀₀
2	1	Rot. Head Rental		250. ⁰⁰ / ₁₀₀
2	600	Mud-flush	.75	450. ⁰⁰ / ₁₀₀
2	292	Bulk Charge 12.05T x 45m = 542.25Tm x 1. ¹⁰ / ₁₀₀	1. ²⁵ / ₁₀₀	365. ⁰⁰ / ₁₀₀
		Bulk Truck Miles ↪	1. ¹⁰ / ₁₀₀	596. ⁰⁰ / ₁₀₀
		Process License Fee on _____ Gallons		
TOTAL BILLING				9,633.⁹³/₁₀₀

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Nathan W.

Station G.B

Dick S.

Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS



TREATMENT REPORT

Acid Stage No. _____

Date 4/15/2016 District G.B. F.O. No. C43918

Company Bear Petroleum

Well Name & No. GL Schmidt B#1

Location _____ Field _____

County Rice State KS

Casing: Size 5.5" Type & Wt. Used Set at _____ ft.

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Formation: _____ Perf. _____ to _____

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.

Cemented: Perforated from _____ ft. to _____ ft.

Tubing: Size & Wt. _____ Swung at _____ ft.

Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: _____ Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____

Bkdown _____ Bbl./Gal. _____

_____ Bbl./Gal. _____

_____ Bbl./Gal. _____

_____ Bbl./Gal. _____

Flush _____ Bbl./Gal. _____

Treated from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Pump Trucks. No. Used: Std. 320 Sp. _____ Twin _____

Auxiliary Equipment 360/310

Personnel Nathan Greg Terry

Auxiliary Tools _____

Plugging or Sealing Materials: Type _____ Gals. _____ lb.

Company Representative Dick S. Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
8:30		5.5"		On Location. Rig rigging up to run casing. (Ran91jts.)
				5.5"-3771' Centralizers-1-3-7-11-15
				Baffle-3730' Baskets-2-12
				Tag bottom. Break circulation with mud pump. Circulate pipe down approximately 6' to hard bottom. Circulate for 30 minutes.
				Pump 600gal of mud flush.
				Plug rat hole with 30sk 60/40poz
				Plug mouse hole with 20sk
1:20				Mix 25sk 60/40poz
				Mix 175sk 60/40poz 2%gel 12%salt .75%C-41p .75%C-47a 5#/sk
				Gilsonite.
				Wash out pump and lines.
				Displace with 88.7bbls at 6.5bpm-900# Plug landed at 1100# Pressure up to 1300# Held. Release pressure. Float Held.
2:00				
				Thank You!
				Nathan W.



DRILL STEM TEST REPORT

Prepared For: **Bear Petroleum LLC**

PO Box 438
Haysville, KS 67060+0438

ATTN: Jim Musgrove

GL Schmidt #B1

26-21s-8w Rice,KS

Start Date: 2016.04.13 @ 00:43:00

End Date: 2016.04.13 @ 09:04:30

Job Ticket #: 65088 DST #: 1

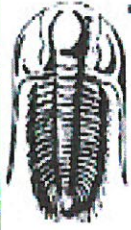
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.04.15 @ 09:56:46

Bear Petroleum LLC
26-21s-8w Rice,KS
GL Schmidt #B1
DST # 1
Mississippi
2016.04.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bear Petroleum LLC
 PO Box 438
 Haysville, KS 67060+0438
 ATTN: Jim Musgrove

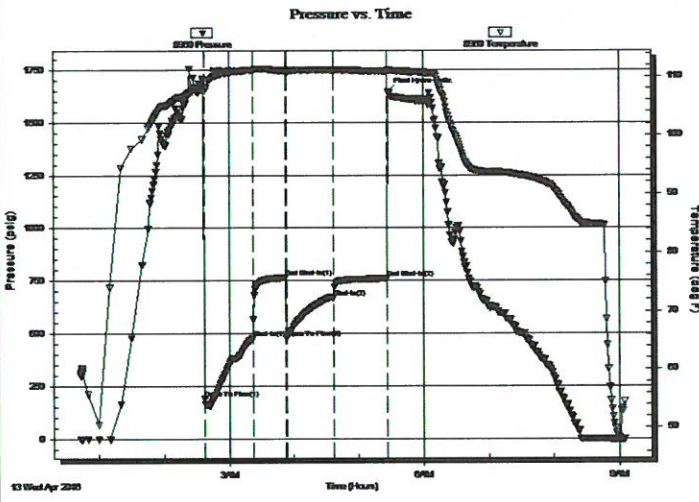
26-21s-8w Rice,KS
GL Schmidt #B1
 Job Ticket: 65088 **DST#: 1**
 Test Start: 2016.04.13 @ 00:43:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 02:37:30 Tester: Ken Swinney
 Time Test Ended: 09:04:30 Unit No: 72
 Interval: **3330.00 ft (KB) To 3367.00 ft (KB) (TVD)** Reference Elevations: 1639.00 ft (KB)
 Total Depth: 3367.00 ft (KB) (TVD) 1629.00 ft (CF)
 Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8960 Outside
 Press@RunDepth: 671.63 psig @ 3364.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.04.13 End Date: 2016.04.13 Last Calib.: 2016.04.13
 Start Time: 00:43:05 End Time: 09:04:29 Time On Btm: 2016.04.13 @ 02:37:00
 Time Off Btm: 2016.04.13 @ 05:27:30

TEST COMMENT: IIFP BOB in 30 seconds-GTS in 8 minutes
 ISI Blow back built to BOB
 FFP Bob in 10 seconds
 FSI Blow back built to BOB



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.37	107.90	Initial Hydro-static
1	190.28	107.52	Open To Flow (1)
45	476.57	111.11	Shut-In(1)
76	764.90	111.00	End Shut-In(1)
77	479.71	110.92	Open To Flow (2)
120	671.63	111.07	Shut-In(2)
170	759.40	110.90	End Shut-In(2)
171	1644.63	111.05	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
945.00	GMCW with show of oil G 5% M 10% W 13.26%	
378.00	GMCWO Mud 10% Gas 10% Water 20% 5.30%	
94.00	Mud with show of oil Mud 100%	1.32

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.00	9.13
Last Gas Rate	0.13	11.00	9.51
Max. Gas Rate	0.13	31.00	16.99



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Bear Petroleum LLC
 PO Box 438
 Haysville, KS 67060+0438
 ATTN: Jim Musgrove

26-21s-8w Rice, KS
GL Schmidt #B1
 Job Ticket: 65088 **DST#: 1**
 Test Start: 2016.04.13 @ 00:43:00

GENERAL INFORMATION:

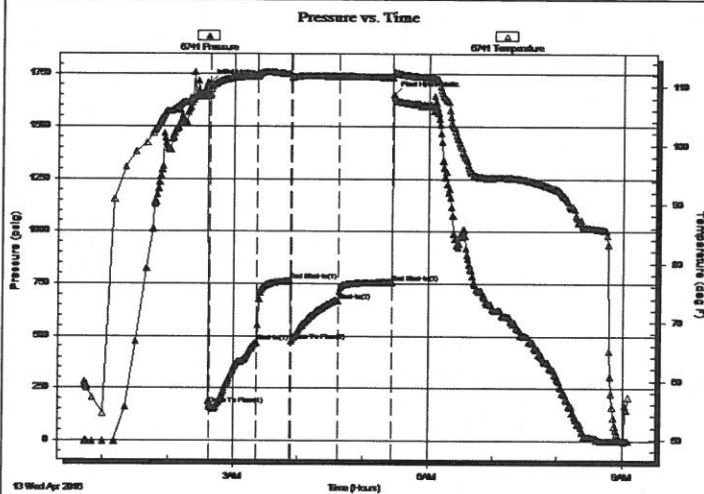
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:37:30
 Time Test Ended: 09:04:30
 Interval: **3330.00 ft (KB) To 3367.00 ft (KB) (TVD)**
 Total Depth: 3367.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1639.00 ft (KB)
 1629.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6741

Inside

Press@RunDepth: 757.10 psig @ 3363.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.04.13 End Date: 2016.04.13 Last Calib.: 2016.04.13
 Start Time: 00:43:05 End Time: 09:04:29 Time On Btm: 2016.04.13 @ 02:37:00
 Time Off Btm: 2016.04.13 @ 05:27:30

TEST COMMENT: IIFP BOB in 30 seconds-GTS in 8 minutes
 ISI Blow back built to BOB
 FFP Bob in 10 seconds
 FSI Blow back built to BOB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.06	108.69	Initial Hydro-static
1	170.80	108.82	Open To Flow (1)
45	468.83	111.77	Shut-In(1)
76	762.34	112.08	End Shut-In(1)
77	476.54	111.54	Open To Flow (2)
120	669.62	111.72	Shut-In(2)
170	757.10	111.56	End Shut-In(2)
171	1650.30	112.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
945.00	GMCW with show of oil G 5% M 10% W 13.26	
378.00	GMCWO Mud 10% Gas 10% Water 20% 5.303%	
94.00	Mud with show of oil Mud 100%	1.32

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.00	9.13
Last Gas Rate	0.13	11.00	9.51
Max. Gas Rate	0.13	31.00	16.99



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bear Petroleum LLC
PO Box 438
Haysville, KS 67060+0438

ATTN: Jim Musgrove

26-21s-8w Rice,KS
GL Schmidt #B1
Job Ticket: 65088 **DST#: 1**
Test Start: 2016.04.13 @ 00:43:00

Tool Information

Drill Pipe:	Length: 3330.00 ft	Diameter: 3.80 inches	Volume: 46.71 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume:	46.71 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3330.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Top Packer	5.00			3325.00	
Packer	5.00			3330.00	20.00 Bottom Of Top Packer
Anchor	32.00			3362.00	
Recorder	1.00	6741	Inside	3363.00	
Recorder	1.00	8960	Outside	3364.00	
Bullnose	3.00			3367.00	37.00 Anchor Tool

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bear Petroleum LLC
PO Box 438
Haysville, KS 67060+0438
ATTN: Jim Musgrove

26-21s-8w Rice,KS
GL Schmidt #B1
Job Ticket: 65088 **DST#: 1**
Test Start: 2016.04.13 @ 00:43:00

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:	44000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
945.00	GMCW with show of oil G 5% M 10% W 85%	13.256
378.00	GMCWO Mud 10% Gas 10% Water 20% Oil 6	5.302
94.00	Mud with show of oil Mud 100%	1.319

Total Length: 1417.00 ft Total Volume: 19.877 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Recov. Resist .20 ohms @ 64 deg



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Bear Petroleum LLC
PO Box 438
Haysville, KS 67060+0438

ATTN: Jim Musgrove

26-21s-8w Rice,KS
GL Schmidt #B1
Job Ticket: 65088 **DST#: 1**
Test Start: 2016.04.13 @ 00:43:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

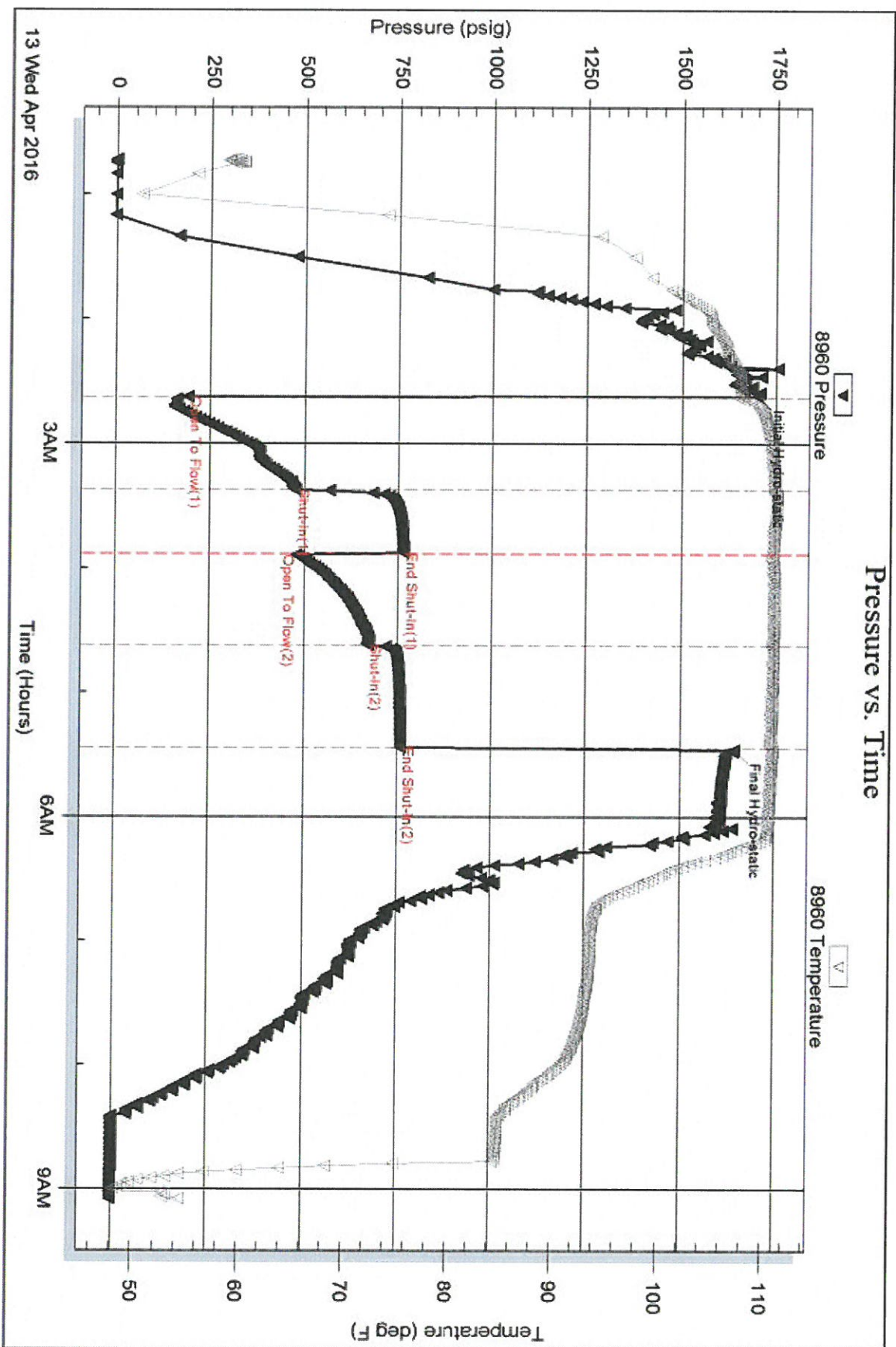
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.13	10.00	9.13
1	20	0.13	31.00	16.99
1	30	0.25	17.00	49.81
1	40	0.25	16.00	48.23
2	10	0.13	10.00	9.13
2	20	0.13	12.00	9.88
2	30	0.13	11.00	9.51
2	40	0.13	11.00	9.51

Serial #: 8960

Outside Bear Petroleum LLC

GL Schmidt #B1

DST Test Number: 1



Serial #: 6741

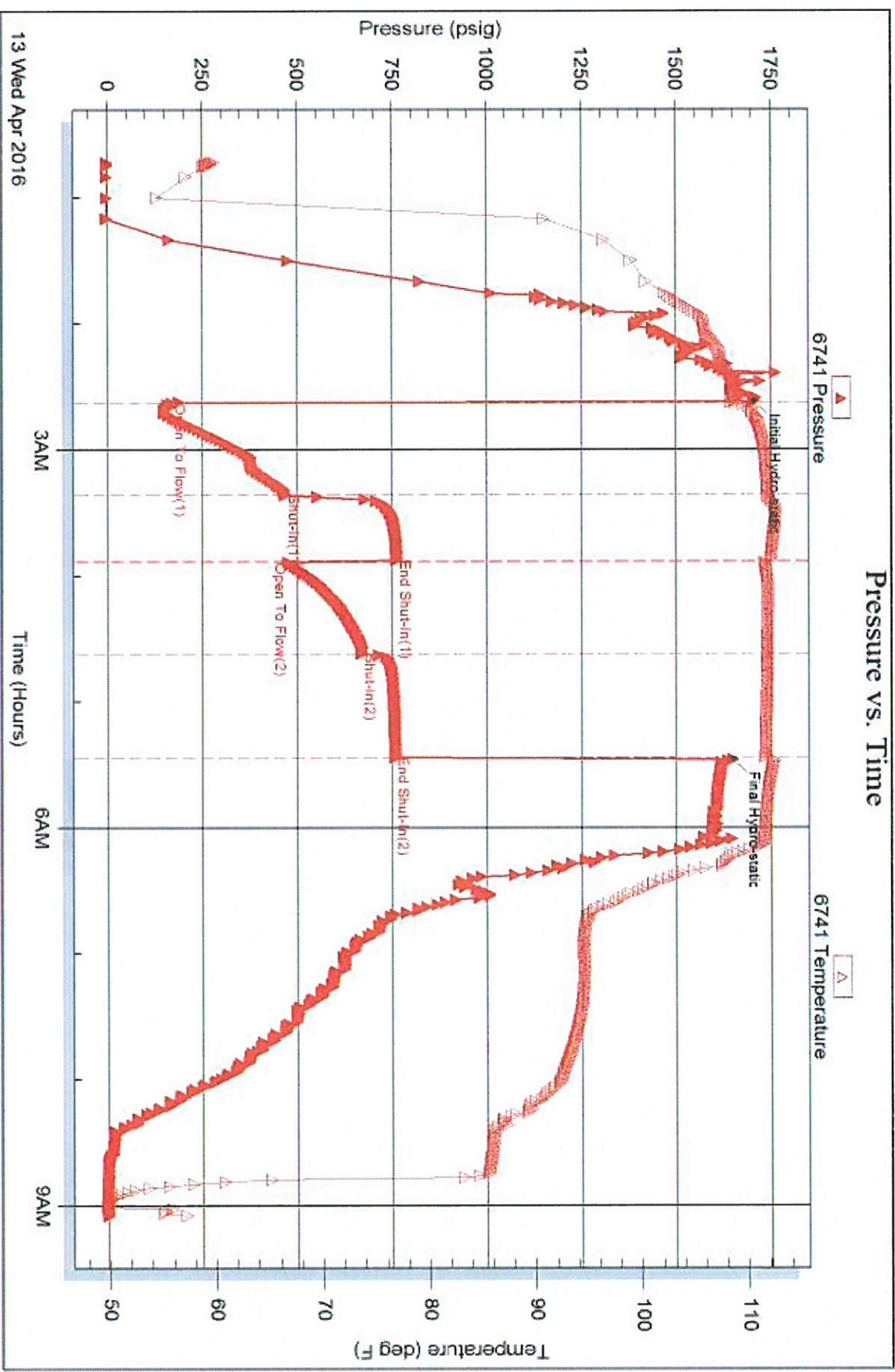
Inside

Bear Petroleum LLC

GL Schmitt #B1

DST Test Number: 1

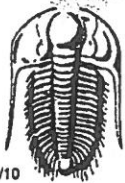
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 65089

Printed: 2016 04 15 @ 09:56:48



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65088

Well Name & No. GL Schmidt #B1 Test No. 1 Date 13 Apr 16
 Company Bear Petroleum LLC Elevation 1639 KB 1629 GL
 Address PO Box 438 Haysville, Kansas 67060+0438
 Co. Rep/Geo. Jim Musgrove Rig EC Services
 Location: Sec. 26 Twp. 21S Rge. 8W Co. Rice State KS

Interval Tested 3330-3367 Zone Tested Mississippi
 Anchor Length 37 Drill Pipe Run 3330 Mud Wt. 9.3
 Top Packer Depth 3325 Drill Collars Run — Vis 44
 Bottom Packer Depth 3330 Wt. Pipe Run — WL 8.8
 Total Depth 3367 Chlorides 4000 ppm System LCM 1/2 #

Blow Description Strong blow blow built to bottom of bucket in 30 seconds, Gas to surface in 8 minutes, Initial shut in blow back to bottom of bucket
Final flow blow built to bottom of bucket in 10 seconds, Final shut in blow back built to bottom of bucket.

Rec	Feet of	%gas	%oil	%water	%mud
<u>945</u>	<u>Feet of Gas cut muddy water w/ slow oil</u>	<u>5%</u>	<u>85%</u>	<u>10%</u>	<u>—</u>
<u>378</u>	<u>Feet of Mud + Gas cut watery oil</u>	<u>10%</u>	<u>60%</u>	<u>20%</u>	<u>10%</u>
<u>94.5</u>	<u>Feet of Mud with slow of oil</u>	<u>—</u>	<u>—</u>	<u>100%</u>	<u>—</u>
<u>—</u>	<u>Feet of</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>Feet of</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Rec Total 1417.5 BHT 111 Gravity — API RW .20 @ 64 °F Chlorides 44,000 ppm
 (A) Initial Hydrostatic 1701 Test 1050 T-On Location 11:15 pm
 (B) First Initial Flow 190 Jars — T-Started 12:43 am
 (C) First Final Flow 476 Safety Joint — T-Open 2:37 am
 (D) Initial Shut-In 764 Circ Sub — T-Pulled 5:22 am
 (E) Second Initial Flow 479 Hourly Standby — T-Out 9:05 am
 (F) Second Final Flow 671 Mileage 88 132 Comments pull test off bottom
 (G) Final Shut-In 759 Sampler — and let it finish off gassing
 (H) Final Hydrostatic 1644 Straddle — loaded tools 16:00 4/14

Initial Open 45 Shale Packer — Ruined Shale Packer —
 Initial Shut-In 30 Extra Packer — Ruined Packer —
 Final Flow 45 Extra Recorder — Extra Copies —
 Final Shut-In 45 Day Standby — Sub Total 0
 Accessibility — Total 1182
 Sub Total 1182 MP/DST Disc't —

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Bear Petroleum LLC.
GL Schmidt 'B' #1
NE-NE-SW-NW (1550' FNL & 1250' FWL)
Section 26-21s-8w
Rice County, Kansas

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5 1/2" Production Casing Set

Contractor: EC Services LLC (rig #106)
Commenced: April 7, 2016
Completed: April 14, 2016
Elevation: 1639' K.B., 1637' D.F., 1629' G.L.
Casing program: Surface; 8 5/8" @ 273'
Production, 5 1/2" @ 3773' (log measurements)
Sample: Samples saved and examined 2700' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2700' ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There was one (1) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Pioneer; Dual Induction, Dual Compensated Porosity Log and Microresistivity

	<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Heebner		2772	-1133
Toronto		2790	-1151
Douglas		2798	-1159
Brown Lime		2920	-1281
Lansing		2953	-1314
Base Kansas City		3282	-1643
Mississippian		3359	-1720
Kinderhook		3401	-1762
Kinderhook Lime		3511	-1872
Maquoketa		3614	-1975
Viola		3647	-2008
Upper Simpson Sand		3691	-2052
Lower Simpson Sand		3746	-2107
Arbuckle		3761	-2122
Rotary Total Depth		3773	-2134
Log Total Depth		3774	-2135

All tops and zones corrected to Electric Log Measurements

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA/TORONTO SECTIONS

2700-2798' No shows of oil and/or gas was noted. See attached geologist report/sample log.

LANSING SECTION

2953-2970' Limestone, white, finely crystalline, few fossiliferous, plus white, fossiliferous chert.

2984-2990' Limestone, as above, few oolitic, dense.

3001-3004' Limestone, gray,/white, slightly fossiliferous in part, poor porosity, no shows.

3008-3020' Limestone, gray/tan, fossiliferous, chalky, poor developed porosity, no shows.

3028-3040' Limestone, gray, chalky few with poorly developed vuggy type porosity, no shows.

3061-3075 Limestone, tan, gray, highly fossiliferous, slightly cherty, dense, no shows.

3080-3100' Limestone, gray/tan, highly oolitic, poor porosity, no shows, plus white/gray, boney chert.

3123-3130' Limestone, white, cream, sub-oomoldic, chalky, poorly developed porosity, no shows.

3148-3166' Limestone, as above, oolitic, sub-oomoldic, scattered porosity, no shows.

3166-3182' Limestone, as above, no shows.

3196-3210' Limestone, gray, white, oolitic/fossiliferous, poor visible porosity, no shows.

3232-3250' Limestone, cream, sub-oomoldic, chalky, no shows.

3260-3266' Limestone, gray, white, finely crystalline, few fossiliferous, chalky, no shows.

MARMATON SECTION

3291-3300' Limestone, white, cream, maroon tinted, chalky, poor porosity, no shows.

3309-3319' Limestone, white, gray, maroon/red tinted; chalky increasingly cherty, no shows.

MISSISSIPPIAN SECTION

3359-3367'

Chert; white, yellow, orange, fresh; plus chert; white, yellow, few weathered; semi-tripolitic, spotty brown/dark brown stain, trace of free oil and questionable odor, show of gas bubbles.

Drill Stem Test #1 3330-3367

Times: 45-30-45-45

Blow: Strong, gas to surface in 8 mins.

IFP Gas gauged as follows:
10 mins 9,133 cfgpd
20 mins 16,992 cfgpd
30 mins 49,813 cfgpd
40 mins 48,227 cfgpd

FFP 10 mins 9,133 cfgpd
20 mins 9,881 cfgpd
30 mins 9,507 cfgpd
40 mins 9,507 cfgpd

Recovery: 95' mud with show of oil
378' heavily oil and gas cut watery mud
(10% gas; 60% oil; 20% water; 10% mud)
945' gas cut muddy water with show of oil

Pressures: ISIP 764 psi
FSIP 759 psi
IFP 190-476 psi
FFP 479-671 psi
HSH 1704-1644 psi

3367-3380' Chert, as above, trace stain, show of free oil and questionable odor.

3380-3401' Chert, as above, black stain, trace of free oil and no odor.

KINDERHOOK SECTION

3401-3612' No sand development in Kinderhook Section (see attached Geologist report/Sample Log)

VIOLA SECTION

3647-3689' Limestone, white, gray, medium to coarse crystalline, chalky, scattered trace white boney chert, no shows.

SIMPSON SECTION

"UPPER"

3691-3706' Sand, white/gray, tan, very fine grained; sub-rounded, sub-angular, fair sorting, friable in part, few calcareous, few dolomitic, black shale inclusions, no shows.

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SIMPSON SECTION

"LOWER"

3746-3754' Sand, white, gray, clear, fine to medium grained, sub-rounded, glauconitic, trace mica, few friable, no shows.

ARBUCKLE SECTION

3761-3766 Dolomite, white/cream, medium crystalline, scattered inter-crystalline porosity, plus tan, finely crystalline dolomite, no shows.

3766-3774' Dolomite, as above, plus pink, finely crystalline, dolomite, no shows.

Rotary Total Depth **3773**
Log Total Depth **3774**

Recommendations:

The 5 1/2' production casing was set and cemented on the Bear Petroleum, LLC., GL Schmidt 'B' #1.

Respectfully yours,

James C. Musgrove
Petroleum Geologist