

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33921
Name: Gra Ex, LLC
Address 1: P.O. Box #32
Address 2:
City: Kingman State: KS Zip: 67068 +
Contact Person: Mr. Don Graber
Phone: (620) 532-6290
CONTRACTOR: License # 33549
Name: Landmark Drilling, LLC
Wellsite Geologist: Jeffrey Burk
Purchaser: SimCrude
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other
(Care, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows:
Operator: N/A
Well Name: N/A
Original Comp. Date: N/A Original Total Depth: N/A
 Deepening Re-perf. Conv. to Enhr. Conv. to SWD
 Plug Back: Plug Back Total Depth
 Commingled Docket No.:
 Dual Completion Docket No.:
 Other (SWD or Enhr.?) Docket No.:
April 24, 2008 May 4, 2008 June 3, 2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 185-23,516-0000
Spot Description: 200' SW of SW SE
Aprox. C SW SE Sec. 11 Twp. 24 S. R. 14 East West
500' Feet from North / South Line of Section
2,100' Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stafford
Lease Name: Keolsch Well #: 2
Field Name: Rattlesnake
Producing Formation: Mississippian
Elevation: Ground: 1941' Kelly Bushing: 1949'
Total Depth: 4250' Plug Back Total Depth: 4193'
Amount of Surface Pipe Set and Cemented at: 387' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: N/A Feet
If Alternate II completion, cement circulated from: N/A
feet depth to: N/A w/ N/A

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 51000 ppm Fluid volume: 1400 bbls
Dewatering method used: Pulled all clear fluids and hauled to SWDW
Location of fluid disposal if hauled offsite:
Operator Name: Nacogdoches Oil & Gas, LLC
Lease Name: Heyen 1-3 SWDW License No.: 32042
Quarter SE/4 Sec. 3 Twp. 24 S. R. 14 East West
County: Stafford Docket No.: E-30,012

Alt 1 - Dlg - 1/4/10
SYD CNT

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.

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: Donald L. Behan
Title: President Date: 12/28/09
Subscribed and sworn to before me this 28 day of December
20 09.
Notary Public: Stacy L. Behan
Date Commission Expires: 10/19/10

STACY L. BEAN
Notary Public - State of Kansas
My Appt. Expires 10/19/10

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Operator Name: Gra Ex, LLC Lease Name: Keolsch Well #: 2
 Sec. 11 Twp. 24 S. R. 11 East West County: Stafford

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: DIL, CNL/CDL, CBL	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Heebner</td> <td>3472</td> <td>-1523</td> </tr> <tr> <td>Lansing/Kansas City</td> <td>3636</td> <td>-1688</td> </tr> <tr> <td>Base/Kansas City</td> <td>3897</td> <td>-1948</td> </tr> <tr> <td>Mississippian</td> <td>3979</td> <td>-2030</td> </tr> <tr> <td>Viola</td> <td>4055</td> <td>-2106</td> </tr> <tr> <td>Simpson Shale</td> <td>4160</td> <td>-2211</td> </tr> <tr> <td>Arbuckle</td> <td>4210</td> <td>-2261</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Heebner	3472	-1523	Lansing/Kansas City	3636	-1688	Base/Kansas City	3897	-1948	Mississippian	3979	-2030	Viola	4055	-2106	Simpson Shale	4160	-2211	Arbuckle	4210	-2261
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Simpson Shale	4160	-2211																										
Arbuckle	4210	-2261																										

CASING RECORD <input checked="" 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
Surface (Allied)	12 1/4"	8 5/8"	23#	387'	Common	350 sxs.	2% gel, 3% cc
Production (Basic)	7 7/8"	5 1/2"	14#	4238'	AA2	175 sxs.	5#/sx gilsonite, 10% salt, .5% gas block

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				

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 shots/foot	Mississippian (3980' - 3994')	
		33,936 gal. of crosslinked gel & 37,000#	3980'	
		of sand @ a rate of 22 bpm.		

TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>4018'</u>	Packer At: <u>N/A</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enthr. <u>June 3, 2008</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u>	Gas Mcf <u>50</u>	Water Bbls. <u>Trace</u>	Gas-Oil Ratio <u>2.5/1</u> Gravity <u>38</u>

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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) <u>N/A</u>	PRODUCTION INTERVAL: <u>Mississippian (3980' - 3994')</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



24 S. Lincoln Street
 P.O. Box 31
 Russell, KS 67665-2906
 Voice: (785) 483-3887
 Fax: (785) 483-5566

INVOICE

Invoice Number: 113661
 Invoice Date: Apr 25, 2008
 Page: 1

Bill To:
GRA EX, LLC P. O. Box 32 Kingman, KS 67068

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Gra	Koelsch #2	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS	Great Bend	Apr 25, 2008	5/25/08

Quantity	Item	Description	Unit Price	Amount
350.00	MAT	Class A Common	12.15	4,252.50
7.00	MAT	Gel	18.25	127.75
11.00	MAT	Chloride	51.00	561.00
368.00	SER	Handling	2.05	754.40
35.00	SER	Mileage 368 sx @.09 per sk per mi	33.12	1,159.20
1.00	SER	Surface	893.00	893.00
87.00	SER	Extra Footage	0.70	60.90
35.00	SER	Mileage Pump Truck	7.00	245.00
1.00	SER	Head Rental	110.00	110.00
1.00	EQP	Top Wooden Plug	66.00	66.00

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ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ **8,229.97**

ONLY IF PAID ON OR BEFORE

May 25, 2008

Subtotal	8,229.75
Sales Tax	315.46
Total Invoice Amount	8,545.21
Payment/Credit Applied	
TOTAL	8,545.21

ALLIED CEMENTING CO., LLC. 33185

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

SERVICE POINT:

Guest Bend
4-25-08

DATE <u>4-24-08</u>	SEC. <u>11</u>	TWP. <u>24</u>	RANGE <u>14</u>	CALLED OUT <u>8:00PM</u>	ON LOCATION <u>10:30PM</u>	JOB START <u>3:00AM</u>	JOB FINISH <u>4:00AM</u>
LEASE <u>Hookback</u>	WELL # <u>2</u>	LOCATION <u>281 Hwy #50 Jct. 5W</u>			COUNTY <u>Stafford</u>	STATE <u>Kansas</u>	
OLD OR (NEW) (Circle one)		<u>IN 3/4 E north into</u>					

CONTRACTOR Landmark
 TYPE OF JOB Surface
 HOLE SIZE 12 3/4" T.D. 390'
 CASING SIZE 8 3/8 NEW 23" DEPTH 387'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 20'
 PERFS. _____
 DISPLACEMENT 23.3 BBL 5 H²O

OWNER Lna-Ex LLC
 CEMENT
 AMOUNT ORDERED 350 M Common
3% CC 2% Gel
 COMMON 350 M @ 12.15 4252.50
 POZMIX _____ @ _____
 GEL 7 M @ 18.15 127.05
 CHLORIDE 11 M @ 5.00 55.00
 ASC _____ @ _____

EQUIPMENT
Y.B.
 PUMP TRUCK CEMENTER 221 Drilling
 #120 HELPER Tyler Wistay
 BULK TRUCK
 #344 DRIVER Kevin Waghorn
 BULK TRUCK
 # _____ DRIVER _____

HANDLING 368 M @ 2.05 754.40
 MILEAGE 368 M @ 09.35 1159.20
 TOTAL 6854.85

REMARKS:

Run new 23" 8 3/8 casing to Bottom
Break circulation with dig mud.
Hook pump to 8 3/8 casing & mixed
350 M common 3% CC 2% Gel.
Shut down, change valves over & release.
8 3/8 TWP. Displace plug with 23.3 BBL
fresh H²O. Cement dig circulate.
Shut in at manifold.

SERVICE

DEPTH OF JOB 387'
 PUMP TRUCK CHARGE _____ 893.00
 EXTRA FOOTAGE 87 @ 70 60.90
 MILEAGE 35 @ 7.00 245.00
 MANIFOLD _____ @ _____
HEAD RENTAL @ 110.00 110.00

CHARGE TO Lna-Ex LLC
 STREET P.O. Box 32
 CITY Kingman STATE Kansas ZIP 67068

TOTAL 1308.90

PLUG & FLOAT EQUIPMENT

1.8 3/8 TWP @ 66.00 66.00
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL 66.00

To Allied Cementing Co., 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 X Kirk F Denning
 SIGNATURE X Kirk F Denning

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

Thank you!

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Pratt

B GRA-EX LLC
I PO BOX 32
L
L
T KINGMAN KS 67068
O ATTN:

J LEASE NAME Koelsch
O WELL NO. 2
B COUNTY Stafford
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pipe:
T JOB CONTACT
E

PAGE 1 of 2	CUST NO 1970-GRA024	INVOICE DATE 05/07/2008
INVOICE NUMBER 1970001882		

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
1970-01888	301			Net 30 DAYS	06/06/2008
For Service Dates: 05/05/2008 to 05/05/2008		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
1970-01888					
1970-18605 Cement-New Well Casing 5/5/08					
Pump Charge-Hourly					
Depth Charge; 4001'-5000'					
		1.00	Hour	2520.000	2,520.00
Cementing Head w/Manifold					
Plug Container Utilization					
Charge					
		1.00	EA	250.000	250.00
Cement Float Equipment					
Auto Fill Float Shoe					
		1.00	EA	360.000	360.00
Cement Float Equipment					
Basket 5 1/2"					
		1.00	EA	290.000	290.00
Cement Float Equipment					
Cement Scratchers Rotating					
Type					
		16.00	EA	50.000	800.00
Cement Float Equipment					
Latch Down Plug and Baffle					
		1.00	EA	400.000	400.00
Cement Float Equipment					
Turbolizer					
		7.00	EA	110.000	770.00
Extra Equipment					
Casing Swivel Rental					
		1.00	EA	200.000	200.00
Mileage					
Blending and Mixing Service					
Charge					
		200.00	DH	1.400	280.00
Mileage					
Heavy Equipment Mileage					
		60.00	DH	7.000	420.00
Mileage					
Proppant and Bulk Delivery					
Charges					
		281.00	DH	1.600	449.60
Pickup					
Unit Mileage Charge(Pickups,					
Vans, or Cars)					
		30.00	Hour	4.250	127.50
Additives					
Cement Friction Reducer					
		50.00	EA	6.000	300.00 T
Additives					
De-foamer					
		17.00	EA	4.000	68.00 T
Additives					
FLA-322					
		50.00	EA	7.500	375.00 T
Additives					
Gas-Blok					
		165.00	EA	5.150	849.75 T

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PAGE 2 of 2	CUST NO 1970-GRA024	INVOICE DATE 05/07/2008
INVOICE NUMBER 1970001882		

B
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T
O
 GRA-EX LLC
 PO BOX 32
 KINGMAN KS 67068
 ATTN:

J
O
B

S
I
T
E
 LEASE NAME Koelsch
 WELL NO. 2
 COUNTY Stafford
 STATE KS
 JOB DESCRIPTION Cement-New Well Casing/Pipe
 JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
1970-01888	301			Net 30 DAYS	06/06/2008
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Additives Gilsonite		875.00	EA	0.670	586.25 T
Additives Mud Flush		1,000.00	EA	0.860	860.00 T
Additives Salt		905.00	EA	0.500	452.50 T
Cement 60/40 POZ		25.00	EA	11.000	275.00 T
Cement AA2 Cement		175.00	EA	16.600	2,905.00 T
Supervisor Service Supervisor Charge		1.00	Hour	175.000	175.00
PLEASE REMIT TO:				BID DISCOUNT	-2,742.72
BASIC ENERGY SERVICES, LP				SUBTOTAL	10,970.88
PO BOX 841903				TAX	336.25
DALLAS, TX 75284-1903				INVOICE TOTAL	11,307.13
SEND OTHER CORRESPONDENCE TO:					
BASIC ENERGY SERVICES, LP					
PO BOX 10460					
MIDLAND, TX 79702					

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DLS

BASIC

energy services, L.P.

01888
FIELD ORDER 18605

Subject to Correction

Lease	koelsch	Well #	2	Legal	11-245-14W
Customer ID	5-5-08	County	Stafford	State	KS
Customer	Gra Ex, LLC.	Depth		Station	Pratt
Formation		Shoe Joint	37.34 Feet		
Casing	5 1/2" 14Lb	Casing Depth	4,246 FT	Job Type	C.N.W.-Long string
Customer Representative	Jeff Burk	Treater	Clarence R. Messick		

AFE Number	PO Number	Materials Received by	X	<i>[Signature]</i>	DLS
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Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP105	175sk	AA-2		\$ 2,905.00
P	CP103	25sk	60/40 Poz		\$ 275.00
P	CC105	17Lb	Defoamer		\$ 68.00
P	CC111	905Lb	Salt (Fine)		\$ 452.50
P	CC112	50Lb	Cement Friction Reducer		\$ 300.00
P	CC115	165Lb	Gas Blok		\$ 849.75
P	CC129	50Lb	FLA-322		\$ 375.00
P	CC201	875Lb	Gilsonite		\$ 586.25
P	CC151	1,000Gal	Mud Flush		\$ 960.00
P	CF607	1ea	Latch Down Plug and Baffle, 5 1/2"		\$ 400.00
P	CF1251	1ea	Auto Fill Float Shoe, 5 1/2"		\$ 360.00
P	CF1651	7ea	Turbolizer, 5 1/2"		\$ 770.00
P	CF1901	1ea	Basket, 5 1/2"		\$ 290.00
P	CF2002	16ea	Cement Scratchers - Rotating Type		\$ 800.00
P	E101	60mi	Heavy Equipment Mileage		\$ 420.00
P	E113	281tm	Bulk Delivery		\$ 449.60
P	E100	30mi	Pickup Mileage		\$ 127.50
P	CF240	200sk	Blending and Mixing Service Charge		\$ 280.00
P	S003	1ea	Service Supervisor		\$ 175.00
P	CE205	1ea	Depth Charge: 4,000 Feet To 5,000 Feet		\$ 2,520.00
P	CE501	1ea	Casing Swivel Rental		\$ 200.00
P	CE504	1ea	Plug Container		\$ 250.00
Discounted Price =					\$ 10,970.88
Plus Taxes					

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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

TOTAL
Taylor Printing, Inc. • www.taylorprinting.us



Energy services, L.P.

TREATMENT REPORT

Customer Bra Ex, LLC.	Lease No.	Date 5-5-08
Lease Koelsch	Well # 2	
Field Order # 8,005	Station Pratt	Casing 5 1/2 14 Lb
Type Job C.N.W. - Longstring	Formation	Depth 4,246 Ft
		County Stafford
		State KS
		Legal Description H-245-14W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 1/2 14 Lb	Tubing Size 6 1/4"	Shots/Ft 175	Sacks 175	AA-2 with .38 Friction Reducer	RATE	PRESS	150 Defoamer
Depth 4,246 Feet	Depth	From .38	To 1 A-322	108 Salt	Max Gas Blk	5 Lb/sk	500 Silsonite
Volume 103.6 Bbl.	Volume	From 15 Lb/Gal.	To 6.18 Gal/sk.	1.43 CU.F T/sk.	Avg Rate		10 Min.
Max Press 1,500 P.S.I.	Max Press	From 25	To 60	40 Poz to plug Rat Hole	AHP Used		15 Min.
Well Connection Tug Container	Annulus Vol.	From	To				Annulus Pressure
Plug Depth 1,007 Feet	Packer Depth	From	To	Flush 103 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Jeff Burk	Station Manager David Scott	Treater Clarence R. Messick
--------------------------------------	--------------------------------	--------------------------------

Service Units	19,877	19,903	19,905	19,826	19,860				
Driver Names	Messick	Mattal	Freeman						

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
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9:00					Trucks on location and hold safety meeting.
10:00					Landmark Drilling start to run Auto-Fill Guide Shoe, Shoe Joint with Latch Down Baffle screwed into collar and a total of 108 Joints new 14 Lb./Ft. 5 1/2" casing. Ran Basket above Collar #2. Ran Turbolizers on Collars #1, 6, 7, 8, 12, 15 and #22.
1:45					Casing in well. Circulate and Rotate for 75 minutes.
3:12	300			6	Start Fresh water Pre-Flush.
	5		20	6	Start Mud Flush.
			44	5	Start Fresh Water Spacer.
3:21	300		49	5	Start mixing 175 sacks AA-2 cement.
	-0-		93		Stop pumping. Shut in well. Wash pump and lines. Release Latch Down Plug. Open Well.
3:34	100			6.5	Start Fresh Water Displacement.
			84	5	Start to lift cement.
3:50	600		103		Plug down.
	1,500				Pressure up.
					Release pressure. Float Shoe held.
	-0-		4	3	Plug Rat Hole.
					Wash up pump truck.
4:30					Job Complete.
					Thank You.
					Clarence, Milte, Neil

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WICHITA, KS

Gra Ex, L.L.C.

Koelsch #2 – API # 15-185-23516-0000
500' FSL & 2190' FEL of Section 11-24s-14w
Stafford County, KS

Elevation: 1941' GL
1946' DF
1949' KB

DAILY DRILLING REPORT

- 04/22/08 Move rig in and had trouble setting the derrick pins. Will set and raise the derrick first thing in the morning.
- 04/23/08 Raised the derrick and ran into an electrical problem. Will repair problem, make rig repairs, and will start drilling tomorrow.
- 04/24/08 Finished rig repairs and started drilling rat hole @ 1:30 p.m. Built mud volumes and spud the well @ 3:20 a.m. Nine (9) joints of new (23#) 8 5/8" casing arrived on location and was tallied @ 372.27'. Drilled surface hole ahead to 390'. Ran (9) jts. of new 8 5/8" casing (notched the shoe joint, strap welded the bottom two joints, and welded the rest – Garb's Welding) and set the casing @ 387' KB. Allied Cementing cemented the casing with 350 sxs. of common cement (3% cc, 2% gel). Plug landed @ 4:00 a.m. and cement did circulate.
- 04/25/08 WOC @ 7:00 a.m. We should start drilling under surface @ 12:00 p.m.
- 04/26/08 Drilling ahead @ 1280' @ 7:00 a.m. NOTE: The Anhydrite top was questionable and may not be very accurate due to the rate of penetration.
- 04/27/08 Drilling ahead @ 2283' @ 7:00 a.m. Checked with the rig later in the afternoon and they were drilling ahead @ 2897 @ 3:50 p.m.
- 04/28/08 Drilling ahead @ 2887' @ 7:00 a.m. Bit started bouncing and the drilling rate declined so the rig decided to pull the bit @ 2924. Should be back to drilling by 12:00 noon.
- 04/29/08 Drilling ahead @ 3215' @ 7:00 a.m. Mud system was displaced @ 3100' and should reach the top of the Lansing late this evening.
Mud Check: Viscosity 45 Weight: 8.7# Wl: 8.0 cc Chlorides: 3900 ppm

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WICHITA, KS

04/30/08 Testing the Lansing "B" zone @ 7:00 a.m.
Mud Check: Viscosity 54 Weight: 9.0# Wl: 10.0cc Chlorides: 5400 ppm
Survey: ½ - ¾ degree @ 3671' Pipe Strap: 3.06' uphole correction

DST #1 (3642' – 3671') Lansing "B" zone

Open 30"- 45" - 60" - 45"

1st open: Weak blow built to 4"

1st shut in: no blow back

2nd open: Weak blow built to 10"

2nd shut in: no blow back

Recovery: 165' GIP

65' sl ogcm (3% gas, 2% oil, 95% mud, 0% water)

IHP 1744#

IFP 17# - 29#

ISIP 525#

FFP 27# - 42#

FSIP 384#

FHP 1726#

BHT 108 degrees

Drilled ahead and observed no shows in the "H" or "I" zones, but did note live oil shows in the Lansing "J" zone. Preparing to run DST #2.

05/01/08 Tripping in the hole for DST #2 (Lansing "J" zone) @ 7:00 a.m.
Mud Check: Viscosity 55 Weight: 9.1# Wl: 10.0cc Chlorides: 5400 ppm

DST #2 (3788' – 3820') Lansing "J" zone

Open 30"- 45"- 30" - 45"

1st open: Weak surface blow for 15"

1st shut in: no blow back

2nd open: no blow – flushed tool but no help

2nd shut in: no blow back

Recovery: 15' drilling mud

IHP 1857#

IFP 27# - 29#

ISIP 976#

FFP 28# - 29#

FSIP 901#

FHP 1827#

BHT 109 degrees

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WICHITA, KS

We will drill ahead and review the Marmaton and should be in the Mississippian (produces in the Keolsch #1) tomorrow.

05/02/08 Drilling ahead @ 3960' @ 6:00 a.m. We should encounter the Mississippian later today. Encountered the Mississippian and had a 14' drilling break (1"-1 1/2" per foot). Preparing to run DST #3 (3938' - 4007'). Test went as follows:

DST #3 (3938' - 4007') Mississippian zone

Open 30"- 45" - 60" - 90"

1st open: good blow to off bottom of bucket in 7 minutes)

1st shut in: no blow back

2nd open: strong blow w/ GTS in 29 minutes

Maximum gauge was 6.5 MCFGPD

2nd shut in: no blow back

Recovery: 65' sl gcm (no water)

IHP 1904#

IFP 29# - 40#

ISIP 903#

FFP 33# - 80#

FSIP 911#

FHP 1878#

BHT 114 degrees

05/03/08 Tripping in the hole after DST #3 and brake pad replacement @ 7:00 a.m. Should be back on bottom and then drilling by 10:00 a.m.
Mud Check: Viscosity 52 Weight: 9.0# Wl: 8.0cc Chlorides: 9000 ppm

Drilled ahead to 4250' (RTD). While drilling ahead Trident Steel delivered 110 jts. of new (14#) J-55 casing to the location. The pipe was then tallied @ 4299.71'. Once the rig reached RTD we CTCH for 1 1/2 hours and TOO H to run electric logs.

05/04/08 Tripping out of the hole to run logs @ 7:00 a.m. Having problems with the brakes and will need to repair them. The crew finished repairing the brakes and TOO H with the rest of the drill pipe. Superior Logging (ELI) ran a DIL, CDL/CNL suite and found a log total depth @ 4248'. Tripped the drill pipe back into the well to come out laying down. Still having problems with the brakes and had to readjust and repair them. Finished running in the drill pipe, circulated for 1 hour, and started laying down the drill pipe and collars. Drill pipe laid down @ 12:30 a.m. Nipped down and prepared to run casing. Ran 108 jts. of new (14#) J-55 pipe, 80' of scratchers (Garbs Welding attached scratchers on to the casing to cover the Mississippian section from (3945' - 4053'), (7) turbolizers, and a auto fill-up guide shoe with a latch

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down plug. Tagged bottom, pulled up 10' and set the casing @ 4238' (KB). Casing landed @ 2:00 a.m. Circulate the well for 1 ½ hours while running (2) sacks of DESCO and (1) sack of caustic to thin out the drilling mud. Basic Services attached rotating head and cemented the well as follows. Basic started the job by pumping 1000 gallons of mud pre-flush followed by 175 sxs. of AA-2 cement. Additives used in the cement program were 5#/sxs. gilsonite, 10% salt, .5% friction reducer, .5% gas block. Rigged over and cemented the rat hole with 25 sxs. of 60/40 pozmix. Rigged back over to displace the casing and land the plug. Plug landed @ 1500#, released the pressure back and the plug held. Job done @ 4:30 a.m. (05/05/08).

05/05/08 Tearing rig down @ 7:00 a.m. Preparing to move the rig later today.

GEOLOGICAL INFORMATION

<u>ZONE</u>	<u>SAMPLE TOP</u>	<u>LOG TOPS</u>
Anhydrite*	846 (+1103)	845 (+1104)
B/Anhydrite*	864 (+1085)	865 (+1084)
Heebner	3472 (-1523)	3472 (-1523)
Brown Lime	3610 (-1661)	3609 (-1660)
Lansing	3636 (-1687)	3637 (-1688)
B/Kansas City	3896 (-1947)	3897 (-1948)
Mississippian	3982 (-2033)	3979 (-2030)
Viola	4054 (-2105)	4055 (-2106)
Simpson Sh.	4061 (-2212)	4160 (-2211)
Arbuckle	4212 (-2263)	4210 (-2261)
Total Depth	4250 (-2301)	4248 (-2299)

*Denotes a driller's top

END OF DRILLING REPORT

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WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM Koelsch F/Graex LLC

WELL NO. 2

SEC. 11 TWP. 24.S RGE. 14.W LOC.

COUNTY Stafford STATE Ks

CONTRACTOR Landmark Drilling LLC

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2

REMARKS 3300-3400

SIZE PUMP LINERS 5 1/2

LENGTH STROKE 14"

DATE 4-29-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3300	09:57		
01	09:59	1-	
	10:00	1-	
	01	1	
	02	1	
05	03	1	
	04	1	
	05	1	
	05-	-	
	06-	1	
10	07-	1	
	08-	1	
	09-	1	
	10-	1	
	11-	1	
15	12-	1	
	14	1-	
	15	1	
	16	1	
	17-	1-	
20	19	1-	
	21	2	
	22	1	
	23	1	
	24	1	
25	25-	1-	
	27	1-	
	28	1	
	29	1	CONN @ 3328
	36-38	1-	
30	39	1	
	40	1	
	40-	-	
	41-	1	
	42-	1	
35	43-	1	
	44-	1	
	45-	1	
	46-	1	
	47-	1	
40	49	1-	
	50	1	
	51-	1-	
	53-	2	
	55	1-	
45	56	1	
	58	2	
	11:00	2	
	02	2	
	04-	2-	
50	06-	2	

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	06-		
51	08	1-	
	09	1	
	10-	1-	
	12-	2	
55	14-	2	
	16-	2	
	18-	2	
	20	1-	
	21-	1-	CONN @ 3359
60	29	1	
	31-	1-	
	32-	1	
	34	1-	
	35-	1-	
65	37	1-	
	38	1	
	39-	1-	
	41	1-	
	43	1-	
70	45-	1-	
	48	2-	
	49-	1-	
	50-	1	
	51-	1	
75	53	1-	
	56	3	
	58	2	
	12:00	2	
	02-	2-	
80	05	2-	
	07	2	
	09	2	
	11	2	
	12-	1-	
85	14	1-	
	16-	2-	
	18-	2	
	20-	2	
	23	2-	
90	25-	2-	
	28	2-	CONN @ 3391
	35	1	
	36	1	
	38	2	
	40-	2-	
95	42-	2	
	45	2-	
	47-	2-	
	50	2-	
	52	2	
3400	55	3	

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WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM Koelsh / Graes LLC

WELL NO. 2

SEC. 11 TWP. 24.S RGE. 14.W LOC.

COUNTY Stafford STATE KS

CONTRACTOR landmark Drilling LLC

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 X-Ho

REMARKS 3400-3500

SIZE PUMP LINERS 5 1/2

LENGTH STROKE 14"

DATE 4-29-08

DATE 4-29-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3400	12:55	2-	
61	57-	2-	
	1:00	2-	
	02	2	
	04	2	
65	06-	2-	
	09-	3	
	12	2-	
	14	2	
	16	2	
10	18-	2-	
	21	2-	
	24	3	
	26-	2-	
	29-	3	
15	32	2-	
	35	3	
	37	2	
	40	3	
	42-	2-	
20	44-	2	CONV @ 3420
	51	1	SET CLOCK
	55	3	
	57	2	
	59	2	
25	2:01	2	
	03	2	
	05	2	
	07	2	
	09-	2-	
30	12	2-	
	14	2	
	16	2	
	18-	2-	
	21	2-	
35	24	3	
	27	3	
	29	2	
	32	3	
	35	3	
40	37	2	
	40	3	
	43	3	
	46	3	
	50	4	
45	52	2-	
	55	3	
	56	1	
	59	3	
	3:01	2	
50	03	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	03	05	2
51	07	2	CONV @ 3452
	10	12-	2-
	15	3	
55	17	2	
	19	2	
	20	1	
	22	2	
	25	3	
60	27	2	
	28	2	
	29	1	
	30	1	42 vis
	32	2	9.0 weight
65	34	2	Spm 56
	36	2	
	38	2	
	41	3	
	43	2	
70	45-	2-	
	48	2-	
	51	3	
	53	2	
	55-	2-	
75	58-	3-	
	9:01	2-	
	04	3	
	05-	1-	
	07	1-	
80	08	1-	
	09	1	
	10	1	
	12	2	CONV @ 3483
	25	27	2
85	30	3	
	32-	2-	
	35	2-	
	37	2	
	41	4	
90	42	1-	
	44	2	
	46	2	
	47-	1-	
	49-	2	
95	51	1-	
	53	2	
	54-	1-	
	56-	2	
	59-	3	
3:00	5:03	3	

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CONSERVATION DIVISION
WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM Koelsch F/Graex LLC

WELL NO. 2

SEC. 11 TWP. 24.S RGE. 14.W LOC.

COUNTY Stafford STATE KS

CONTRACTOR landmark Drilling LLC SIZE HOLE 7 7/8

DRILL PIPE 4 1/2

REMARKS 3500-3600

SIZE PUMP LINERS 5 1/2

LENGTH STROKE 14"

DATE 4-29-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	5:03		
01	05	2-	
	07	2	
	09	2	
	12	2-	
05	15	3	
	18	3	
	20	2-	
	23	3	
	26	2-	
10	29	3	
	32	3	
	34	2-	
	37	2-	
	39	2-	CONN @ 3514
156	09	2-	
	10	1	
	12	1-	
	13	1-	
	15	1-	
20	16	1	
	18	2	
	19	1-	
	21	1-	
	22	1-	
25	24	1-	
	25	1-	
	27	1-	
	29	2	
	31	2	
30	32	1	
	33	1-	
	35	1-	
	36	1-	
	38	1-	
35	39	1-	
	41	1-	
	42	1-	
	44	1-	
	45	1-	
40	47	1-	
	48	1	
	49	1-	
	51	1-	
	52	1-	
45	54	1-	CONN @ 3546
	55	1	CONN @ 3546
	7:03	04	1
	06	1-	
	08	2	
50	09	1-	

DATE 4-29-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	09		
51	10	1	
	12	1-	
	13	1-	
	15	1-	
55	16	1	
	17	1-	
	19	1-	
	20	1	
	21	1-	
60	23	1-	
	24	1-	
	26	1-	
	27	1-	
	29	1-	
65	30	1-	
	32	1-	
	34	2-	
	35	1	
	36	1	
70	38	1-	
	39	1	
	40	1-	
	41	1	
	43	1-	
75	44	1-	
	46	1-	
	47	1	CONN @ 3544
	53	54	1
	56	2	
80	57	1	
	58	1-	
	59	1	
	8:01	1-	vis 47
	02	1	weight 9.1
85	03	1	Spm 56
	04	1	
	05	1	
	06	1	
	07	1	
90	08	1	
	09	1	
	10	1	
	11	1	
	12	1	
95	13	1	
	14	6	
	15	1	
	16	1	
	17	1	
* 3600	18	1	* CALL JEFF @

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CONSERVATION DIVISION
WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM Koelsch / Graet

WELL NO. 2

SEC. 11 TWP. 24 S RGE. H. W. LOC.

COUNTY Stafford STATE KS

CONTRACTOR Landmark Drilling LLC

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 x-H

REMARKS 3600-3700

SIZE PUMP LINERS 5 1/2

LENGTH STROKE 14"

DATE 4-29-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3600 01	8:18 19	1	Vis 47 wt 9.1
	20-	1-	
	21-	1	
	22-	1	
05	23-	1	
	24-	1	
	26	1-	
	27	1	
	28	1	CONN @ 3609
10	36 37	1	
	40	2-	
	42-	2-	
	45	2-	
	46-	1-	* POSSIBLE BROWN LIME
15	49	1-	TOP.
	51	2	
	53	2	
	55-	2-	
	57-	2	
20	59-	2	
	9:01	1-	
	03	2	
	05	2	
	07-	2-	
25	09-	2	
	11-	2	
	13-	2	
	15	1-	
	17	2	
3630	19	2	* STOP IF JEFF IS
	21-	2-	NOT ON LOCATION
	32-	-	OR w/ on orders
	33-	1	
	35-	2	
35	37-	2	
	40	2-	
	43	3	Vis 47 wt 9.1
	46	3	
	48-	2-	
40	51	2-	CONN @ 3640
	55 59	4	
	10:01-	2-	
	04	2-	
	06-	2-	
45	09	2-	
	11-	2-	
	14	2-	
	17	3	
	19-		
50	21-		

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50 51	21 23	2	
	25-	2	
	28	2-	
	30	2	
55	32	2	
	34-	2-	
	37	2-	
	39-	2-	
	41-	2-	
60	44-	3	
	47	2-	
	49	2	
	51	2	
	52-	1-	
65	54	1-	
	55-	1-	} B zone
	57	1-	
	58-	1-	
	1:00-	2	
70	03	3	
	06	3	CONN @ 3671
4-30-08	6:48 51	3	Back to Drilling
	54	3	After DST # 2
	59	5	
75	7:02	3	
	05	3	
	08	3	
	11	3	
	13	2	
80	15	2	
	17	2	
	20	3	
	23	3	
	25	2	
85	27-	2-	
	30	2-	
	33	3	
	36-	3-	
	40	3-	
90	43-	3-	
	46-	3	
	49-	3	
	53-	4	
	56-	3	
95	8:00	3-	
	03	3	
	05	2	
	09	4	
	11-	2-	
3700	14	2-	

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WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM Koalsch / Graex

WELL NO. 2

SEC. 11 TWP. 24.5 SRGE. 14 W. LOC.

COUNTY Stafford STATE Ks

CONTRACTOR landmark Drilling LLC SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 X-H

REMARKS 3700-3800

SIZE PUMP LINERS 5 1/2

LENGTH STROKE 14"

DATE 4-30-08

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS *
3700	8:14	17	3-
01	20-	3	CONN @ 3702
	30	32	2-
	35	2-	
05	38	3	
	41	3	
	43-	2-	
	45	1-	
	46-	1-	
10	48	1-	* CALL JEFF @ HOTEL
	49-	1-	(316) 250-5655
	51-	2	
	53-	2	VIS 47 WT 9.3
	56-	3	
3715	59	2-	* CFS - Catch 30-45-60
	10:13	5-	2-
*	18-	3	
	23	4-	
	24-	1-	
20	28	4-	
	33-	6-	
	36	2-	
	40	4	
	44	4	
25	47	3	
	49	2	
	51-	1-	
	55	3-	
	57	2	
30	59-	2-	
11:16	16:20	4	CONN @ 2731
	21	1	
	23	2	
	24	1	Added pre mix
			VIS 42 8.9 WT
35	26	2	
	27	1	
	29	2	
	31-	2-	
	32-	1-	
40	35-	3	
	37	1-	
	38-	1-	
	43	4-	
	44	1	
45	45	1	
	47	1	
	49-	1-	
	52-	3	
	54-	2	
3850	57-	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3750	57-	1200	2-
51	64	4	
	07	3	
	10	4	
55	14-	3-	
	19	3-	
	22	3	
	24	4	
	29-	3-	
60	34	4-	
	36	2	
	44	46	3 low 3762
	49	3	
	55	6	
65	58	3	
	102	4	
	15	3	
	10	5	
	15	5	
70	18	3	
	21-	3-	
	25	3-	
	29	4	
	33	4	
3775	36	3	* CFS - Catch 30"-45"
	39-	3-	only 7 take off drilling
	43-	4	
	47	3-	
	51	4	
80	54	3	
	58	4	
	201-	3	
	205	3-	
	08	3	
85	12	4	
	15	3	
	19-	3-	
	22	3-	
	25-	3-	
90	28	2-	WT 44 90
	33-	5-	
	37	3-	
	39-	2-	
	50	54	4 2793 Conn
95	58	4	
	300	2	
	04	4	
	07-	3-	Mixing Barite
	10	2-	Rem. X now
3800	12	2	* CALL JEFF @

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CONSERVATION DIVISION
WICHITA, KS

(316) 250-5655

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM Koelsch F/Graex

WELL NO. 2

SEC. 11 TWP. 24.5 RGE. 19.W LOC.

COUNTY Stafford STATE KS

CONTRACTOR Landmark Drilling LLC

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 X-H

REMARKS 3800-3900

SIZE PUMP LINERS 5 1/2

LENGTH STROKE 140

DATE 1-1-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3800	12	4-	*Call Jeff @ 316 250-5655
01	16-		
30	22	5-	
	26-	4-	
	31	5	
05	34-	3-	
	38-	4-	
	41	2-	
	43	2	
	46-	2-	
10	48-	2	
	51-	3	
	55-	3	49 92
	57-	2	
	40	4	
15	04-	3-	
	09	4-	
	14-	5-	
	18-	4	
	24	4-	
3820	27-	3-	*CFS - Catch 30"-45"-60"
4-1-08	8:01	2-	samples (DST# 2)
	07	3-	
	11	4	
	15	4	
25	19	4	CONN @ 3825
	26	1	
	29	2	
	32	3	
	36	4	
30	41	5	
	44	3	
	46-	2-	
	50-	4	
	54-	4	
35	58-	4	
	9:02	3-	
	05-	3-	
	09-	4	
	15	4-	
40	19-	4-	
	24-	5	
	27	2-	
	30	3	
	33	3	
45	36	3	
	39-	3-	
	43	3-	
	46	3	
	49-	3-	
50	53-	4	

DATE 4-2-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	53-	4	
51	57-	4	
	10:01-	4	
	05-	4	
	10	4-	
55	14-	4-	
	19	4-	CONN @ 3856
	23	2	
	31	4	
	35	4	
60	40	5	
	42-	2-	
	46	3-	
	50	4	
	54	4	
65	59-	4-	
	11:02-	3	
	05	2	
	09	4	mud muds
	12	3	
70	18	6	50 ↓ 90
	20	2	
	26-	6-	
	31	5-	
	35	4	
75	39	4	
	43	4	
	49	6	
	53	4	
	57	4	
80	12:01-	5-	
	07	6	
	11	4	
	13-	2-	
	16	2-	
85	19	4	
	24	5	
	26	2	CONN @ 3887
	45	2	
	50-	3-	
90	54-	4	
	58-	4	
	1:03	4-	
	06-	3-	
	12	6	
95	17	5	
	22	5	
	26-	4-	
	29-	3	
	34	5	
3900	38	4	

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 28 2009

CONSERVATION DIVISION
WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM Koelsch F/Graex LLC

WELL NO. 2

SEC. 11 TWP. 24.5 RGE. 14 W. LOC.

COUNTY Sta. Ford STATE Ks

CONTRACTOR Landmark Drilling LLC

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 x-H.

REMARKS 3900-4000

SIZE PUMP LINERS 5 1/2

LENGTH STROKE 14"

DATE 4-2-08

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3900 01	39 40	2	
	44	4	
	46	2	
	52	4	
05	54	2	
	58	4	
	203	5	
	06-	3-	
	12	5-	
10	17	5	
	23	5	
	30	7	
	36	6	
	43-	7	✓ 48 9'
3915	49	6	
	54-	5-	
	301	7	CONN 3918
	08	7	
	20	3-	
	23	3-	
3920	28-	5	** CALL JEFF @ 3920 **
	35	7-	(316) 250-5655
	40	5	
	47-	2-	
	53	5-	
25	58-	5-	
	403	5-	
	06	3	
	09	3	
	13-	4-	
30	17	3	
	20-	3-	
	26	5-	
	31	5	
	35-	4-	
35	40	4-	
	45-	5-	
	51	6	
	56	5	
	501	5	
40	04-	3-	
	09	5	
	12-	3-	
	15-	3	
	19-	4	
45	22	3-	
	24	2	
	27-	3-	
	31	4	
	33	2	CONN 3949
50	51	3	

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3930 51	51 54	3	
	600	6	
	04	4	
	10-	6-	
55	16	6	
	21	6	
	25	4	
	29	3	
	31	3	Drill on Hes on his
60	34	3	* STOP IF JEFF IS NOT ON LOCATION.
	37	3	
	41	4	
	44-	4-	
	47	2-	
65	50	3	
	53	3	
	56-	3-	
	7:00	3-	
	03-	3-	
70	07	3-	
	11-	4-	
	16	4-	
	20-	4-	
75	24	3-	
	28	4	
	30-	2-	
	34-	4	
	38-	4	
	43-	5-	
80	49	5-	CONN @ 3980
	15	17	2
	19	2	
	21	2	
	23-	2-	
85	24-	1	
	25-	1	
	26-	1	4000
	27-	1	2
	28-	1	1
	28-	1	1-
90	30	1-	2-
	31-	1-	3-
	33	1-	3-
	34	1	3- 07
	35-	1-	
95	37	1-	
	38	1	
	39-	1-	
	40-	1	
	42-	2	
4000	45	2-	

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CONSERVATION DIVISION
WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM KOELSCH #2 F/GRA-EX LLC

WELL NO. #2

SEC. TWP. 11 RGE. 24S LOC. 14W

COUNTY STAFFORD

STATE KANSAS

CONTRACTOR LANDMARK DRILLING LLC

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 X-H

REMARKS 4000 - 4100

SIZE PUMP LINERS 6"

LENGTH STROKE 14"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4000	45		
01	47	2	
	48	1	
	50	1	
	53	2	
05	56 1/2	3	
	9:00	3	
	03	3	CFSD 4007 30-45-60
	12/34 36	1	5-3-08 after DST #3
	38	2	
10	42	4	
	47	5	
	52	5	CONN @ 4012
	1:23 26	2	
	29	4	UIS. 58
15	34	4	wt. 9.0
	38	4	
	42	4	
	46	4	
	49	2	
20	51	2	
	55	2	
	58	3	
	2:01	3	
	05	4	
25	10	4	
	14	4	
	18	4	
	22	3	
	26	4	
30	30	4	
	34	4	
	38	3	
	41	3	
	45	4	
35	49	4	
	53	4	
	56	3	
	3:00	4	
	04	4	
40	08	4	
	13	4	
	16	3	
	19	3	CONN @ 4043
	27 30	3	
45	33	3	
	37	3	
	40	3	
	44	3	
	47	3	
4050	50	3	CALL JEFF BURKE

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4050	50		
51	54	3	
	57	3	
	4:00	3	
	02	2	
55	05	3	
	07	2	
	10	2	
	12	2	
	14	2	
60	16	2	
	17	1	
	19	1	
	21	2	
	23	2	
65	26	2	
	28	2	
	31	2	
	33	2	
	35	2	
70	38	2	
	41	3	
	43	2	
	47	3	
	50	3	CONN @ 4074
75	5:01 05	3	
	11	6	
	14	3	
	18	3	
	22	4	
80	26	4	
	29	3	
	31	2	
	34	3	
	38	4	
85	42	4	
	44	2	
	45	1	
	47	2	
	49	2	
90	51	2	
	56	4	
	59	3	
	6:02	3	
	05	3	
95	08	3	
	12	4	
	16	4	
	19	3	
	22	3	
4100	25	3	

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DEC 28 2009

CONSERVATION DIVISION
WICHITA, KS

LANDMARK DRILLING COMPANY, INC.

ROTARY DRILLING TIME SHEET

FARM KOELSCH #2 F/ GRA-EX LLC

WELL NO. #2

SEC. TWP. 11 RGE. 24S LOC. 14W

COUNTY STAFFORD

STATE KANSAS

CONTRACTOR LANDMARK DRILLING LLC

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2 X-H

REMARKS 4100-4200

SIZE PUMP LINERS 6"

LENGTH STROKE 14"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4100	01	25	
	01	29	4
	32	3	
	35	2 1/2	
	39	3 1/2	
05	42	3 1/2	
	45	2	
	47	2 1/2	CONN #1106
	49	2 1/2	
	12	2	
10	14	2	
	17	3	
	20	3	
	23	3	
	26	3	
15	29	3	
	32	3	
	34	2	
	38	3	
	42	4	
20	45	3	
	48	3	
	52	4	
	55	3	
	8:00	2	
25			
			Change Chart
	01	3	
	8:04	3	
	08	4	
30	11	3	
	15	4	
	18	3	
	22	4	
	26	4	
35	31	5	CONN
	31	4	
	45	1	
	49	1	
	52	3	
40	55	3	
	58	3	
	9:02	4	
	05	3	
	10	5	
45	14	4	
	19	5	
	23	4	
	25	2	
	27	2	
4150	31	4	

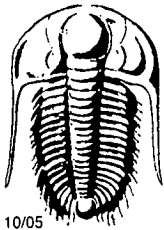
DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
4150	31	5	
	36	5	
	40	4	
	45	3	
	47	4	
55	51	6	
	56	5	
	10:00	4	
	03	3	
	06	3	
60	11	5	
	15	4	
	20	5	
	23	3	9.2 W 50 vis
	27	4	56 spm
65	31	4	
	36	5	
	41	5	
	44	7	Conn 4167
11:15	18	24	6
70	45	1	81 51
	27	2	
	30	3	
	34	4	
	37	3	
75	41	4	
	45	4	
	49	4	
	53	4	
	58	4	
80	1:00	2	
	04	4	
	8 1/2	4	
	13	2	
	18 1/2	3	
85	24	4	
	28	4	
	33	5	
	37	4	
	41	4	
90	46	5	
	50	4	
	53	3	
	55	2	
	102	7	
95	6	4	
	9	4	
	41	4	4196
	50	5	
	54	4	316-250-5655
4200	58	4	CALL JEFF BURKE

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 28 2009

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31192

Test Ticket

Well Name & No. Koelsch #2 Test No. 1 Date 4-30-08
 Company Gra Ex. LLC Zone Tested Lansing' B'
 Address P.O. Box 32 Kingman, Kansas 67068 Elevation 1949 KB 1943 GL
 Co. Rep / Geo. Jeff Bork Rig Landmark Drlg. #4
 Location: Sec. 11 Twp. 24S Rge. 14W Co. Stafford State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3642-3671 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 29 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3637 Tool Weight 2,500
 Bottom Packer Depth 3642 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3671 Wt. Pipe Run 0 Drill Collar Run 260
 Mud Wt. 9.1 LCM 0 Vis. 47 WL 8.0 Drill Pipe Size 4 1/2" XH Ft. Run 3361

Blow Description: IF: Weak blow. Built to 4"
ISI: No blow.
FF: Weak blow. Built to 10"
FSI: Very weak surface blow.

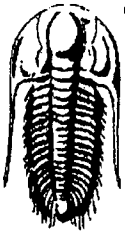
Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>65</u>	<u>165</u>	<u>65</u>	<u>0</u>
Rec. <u>65</u>	Feet of <u>SG+OCM</u>	<u>3</u> %gas <u>2</u> %oil	%water <u>95</u> %mud
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>108</u>	*F Gravity <u>N/C</u>	*API D @ _____	*F Corrected Gravity _____ *API _____
RW <u>N/C</u>	@ _____ *F _____	Chlorides <u>3,900</u> ppm Recovery _____	Chlorides <u>3,900</u> ppm System _____

	AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1744</u>		<u>6798</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure		<u>17</u>		(depth) <u>3643</u>	Jars <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>29</u>		Recorder No. <u>8358</u>	Safety Jt. <input checked="" type="checkbox"/> RECEIVED
(D) Initial Shut-In Pressure	<u>x</u>	<u>525</u>		(depth) <u>3643</u>	Circ Sub KANSAS CORPORATION COMMISSION
(E) Second Initial Flow Pressure		<u>27</u>		Recorder No. _____	Sampler DEC 28 2009
(F) Second Final Flow Pressure		<u>42</u>		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>x</u>	<u>384</u>		Initial Opening <u>30</u>	Ext. Packer CONSERVATION DIVISION WICHITA, KS
(Q) Final Hydrostatic Mud		<u>1726</u>		Initial Shut-In <u>45</u>	Shale Packer _____
				Final Flow <u>60</u>	Ruined Packer _____
				Final Shut-In <u>45</u>	Mileage <u>✓50 R.T.</u>
				T-On Location <u>0345</u>	Sub Total: _____
				T-Started <u>0649</u>	Std. By _____
				T-Open <u>0942</u>	Acc. Chg: <u>✓No STAINES</u>
				T-Pulled <u>1246</u>	Other: _____
				T-Out <u>1519</u>	Total: _____

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.

Approved By [Signature]
 Our Representative [Signature]

Thank You.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gra Ex, LLC.
P.O.Box 32
Kingman, Kansas 67068
ATTN: Jeff Burk

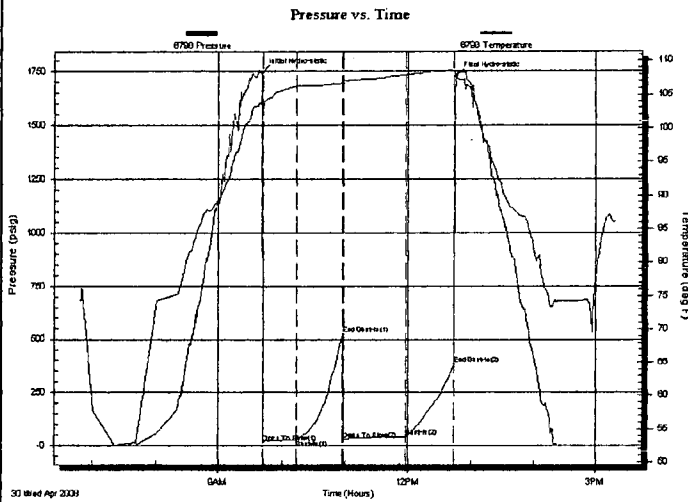
Koelsch # 2
11-24s-14w Stafford
Job Ticket: 31192 **DST#: 1**
Test Start: 2008.04.30 @ 06:49:06

GENERAL INFORMATION:

Formation: **Lansing B**
Deviated: No Whipstock ft (KB)
Time Tool Opened: 09:42:06
Time Test Ended: 15:19:36
Test Type: Conventional Bottom Hole
Tester: Jerry Adams
Unit No: 45
Interval: **3642.00 ft (KB) To 3671.00 ft (KB) (TVD)**
Reference Elevations: 1949.00 ft (KB)
Total Depth: 3671.00 ft (KB) (TVD) 1943.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6798 Inside
Press@RunDepth: 42.44 psig @ 3643.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.04.30 End Date: 2008.04.30 Last Calib.: 2008.04.30
Start Time: 06:49:06 End Time: 15:19:36 Time On Btm: 2008.04.30 @ 09:41:06
Time Off Btm: 2008.04.30 @ 12:46:06

TEST COMMENT: IF:Weak blow . Built to 4".
IS:No blow .
FF:Weak blow . Built to 10".
FSI:Very weak surface blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.28	103.53	Initial Hydro-static
1	17.35	103.13	Open To Flow (1)
33	29.28	106.16	Shut-In(1)
77	524.90	106.67	End Shut-In(1)
78	26.70	107.03	Open To Flow (2)
137	42.44	107.94	Shut-In(2)
183	383.62	108.62	End Shut-In(2)
185	1726.41	107.97	Final Hydro-static

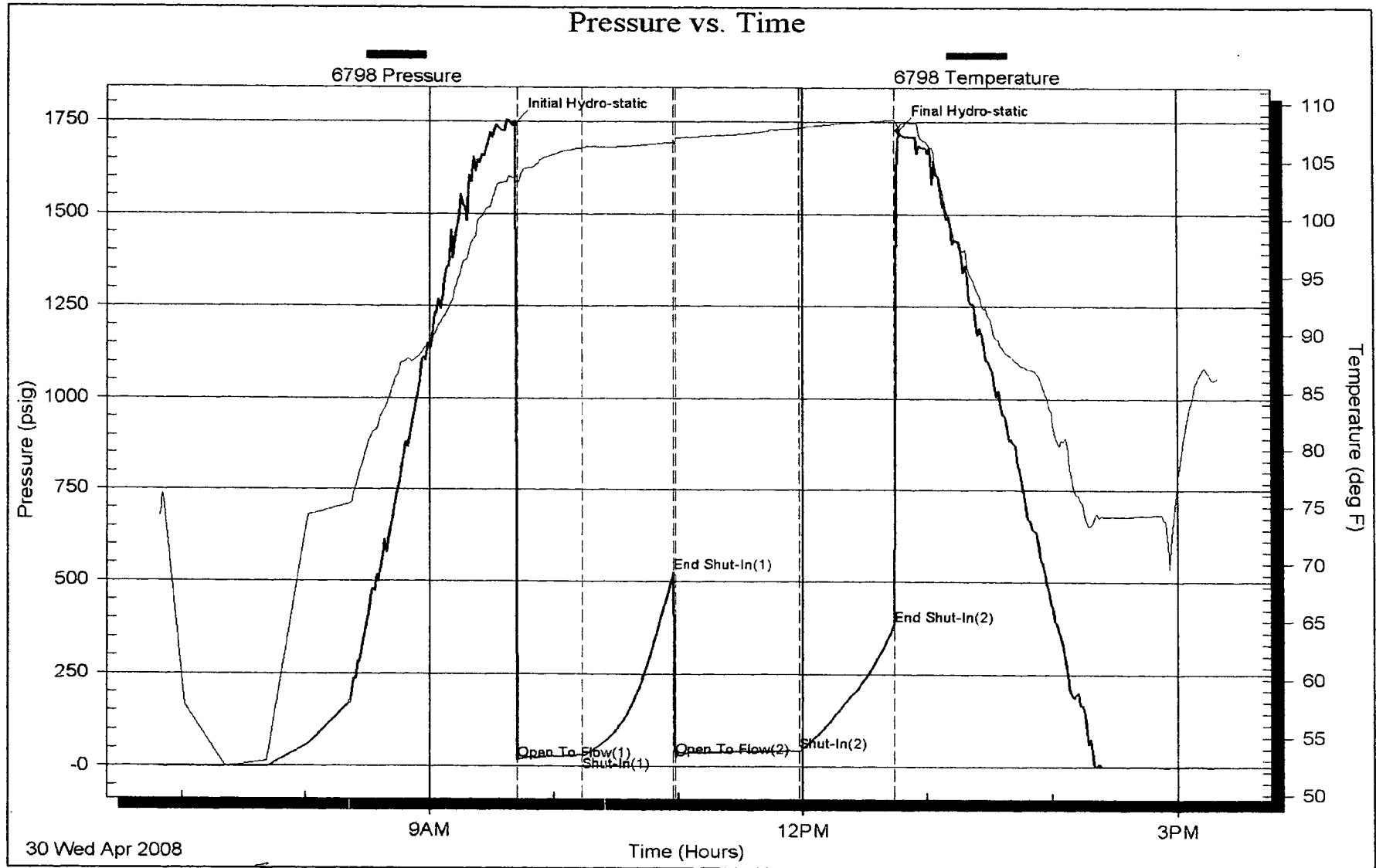
Recovery

Length (ft)	Description	Volume (bbl)
65.00	SG&OCM 3%g 2%o 95%m	0.32
0.00	165' GIP	0.00
0.00		0.00

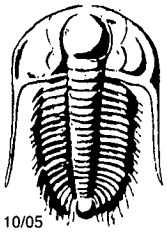
Gas Rates

Choke (inches)	Pressure (psig)	Gas Flow (scf/d)

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CONSERVATION DIVISION
WICHITA, KS



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CONSERVATION DIVISION
WICHITA, KS
DEC 28 2009



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31154

Test Ticket

Well Name & No. Koelsch #2 Test No. 3 Date 5-2-08
 Company GruEx, LLC. Zone Tested Mississippi
 Address P.O. Box 32 Kingman, Kansas 67068 Elevation 1949 KB 1943 GL
 Co. Rep / Geo. Jeff Burk Rig Landmark #4
 Location: Sec. 11 Twp. 24s Rge. 14w Co. Stafford State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 3938-4007 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 69 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 3933 Tool Weight 2500
 Bottom Packer Depth 3938 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4007 Wt. Pipe Run 0 Drill Collar Run 2604" H-90
 Mud Wt. 9.0 LCM 0 Vis. 52 WL 8.8 Drill Pipe Size 4 1/2" XH Ft. Run 3671

Blow Description FF = Strong blow. B.O.B. in 7 mins.
IST: No blow.
FF = Strong blow. B.O.B. immediately. 675 in 29 mins. (see gas flow report.)
FST: No blow.

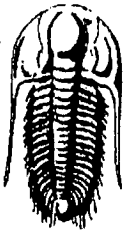
Recovery - Total Feet 65 GIP 3866 Ft. in DC 65 Ft. in DP 0
 Rec. 65 Feet of VSGCM %gas %oil %water 97 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 114 °F Gravity N/C °API D @ _____ °F Corrected Gravity _____ °API
 RW N/C @ _____ °F Chlorides 9,000 ppm Recovery _____ Chlorides 9,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud		<u>1904</u>	PSI	Recorder No. <u>6798</u>	Test <input checked="" type="checkbox"/>
(B) First Initial Flow Pressure		<u>29</u>	PSI	(depth) <u>3946</u>	Jars _____
(C) First Final Flow Pressure		<u>40</u>	PSI	Recorder No. <u>8358</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>903</u>	PSI	(depth) <u>3946</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>33</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>50</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>911</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1878</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____
				Final Flow <u>60</u>	Ruined Packer _____
				Final Shut-In <u>90</u>	Mileage <input checked="" type="checkbox"/> <u>50 R.T.</u>
				T-On Location <u>1200</u>	Sub Total: _____
				T-Started <u>1513</u>	Std. By _____
				T-Open <u>1753</u>	Acc. Chg: <input checked="" type="checkbox"/> <u>No Stairs</u>
				T-Pulled <u>2140</u>	Other: _____
				T-Out <u>2459</u>	Total: _____

Approved By _____
 Our Representative Gary Adams

Thank You.

RECEIVED
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 DEC 28 2009
 CONSERVATION DIVISION
 WICHITA, KS



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Gra Ex, LLC.
 P.O.Box 32
 Kingman, Kansas 67068
 ATTN: Jeff Burk

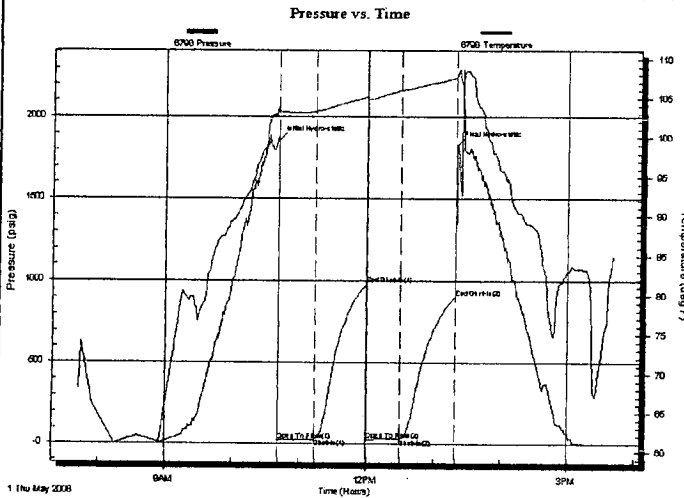
Koelsch # 2
11-24s-14w Stafford
 Job Ticket: 31193 **DST#: 2**
 Test Start: 2008.05.01 @ 07:42:58

GENERAL INFORMATION:

Formation: **Lansing J**
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 10:41:28
 Tester: Kevin Taylor
 Time Test Ended: 15:41:58
 Unit No: 45
 Interval: **3788.00 ft (KB) To 3820.00 ft (KB) (TVD)**
 Reference Elevations: 1949.00 ft (KB)
 Total Depth: 3820.00 ft (KB) (TVD)
 1943.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 6.00 ft

Serial #: 6798 Inside
 Press@RunDepth: 29.27 psig @ 3789.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.05.01 End Date: 2008.05.01 Last Calib.: 2008.05.01
 Start Time: 07:42:58 End Time: 15:41:58 Time On Btrm: 2008.05.01 @ 10:40:58
 Time Off Btrm: 2008.05.01 @ 13:20:28

TEST COMMENT: I.F. Weak Blow 1/4"
 I.S.I. No Blow
 F.F. No Blow
 F.S.I No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1857.23	104.05	Initial Hydro-static
1	21.44	103.52	Open To Flow (1)
34	29.41	103.32	Shut-In (1)
79	975.95	105.13	End Shut-In (1)
80	27.93	104.81	Open To Flow (2)
110	29.27	106.04	Shut-In (2)
159	901.23	107.60	End Shut-In (2)
160	1826.59	108.18	Final Hydro-static

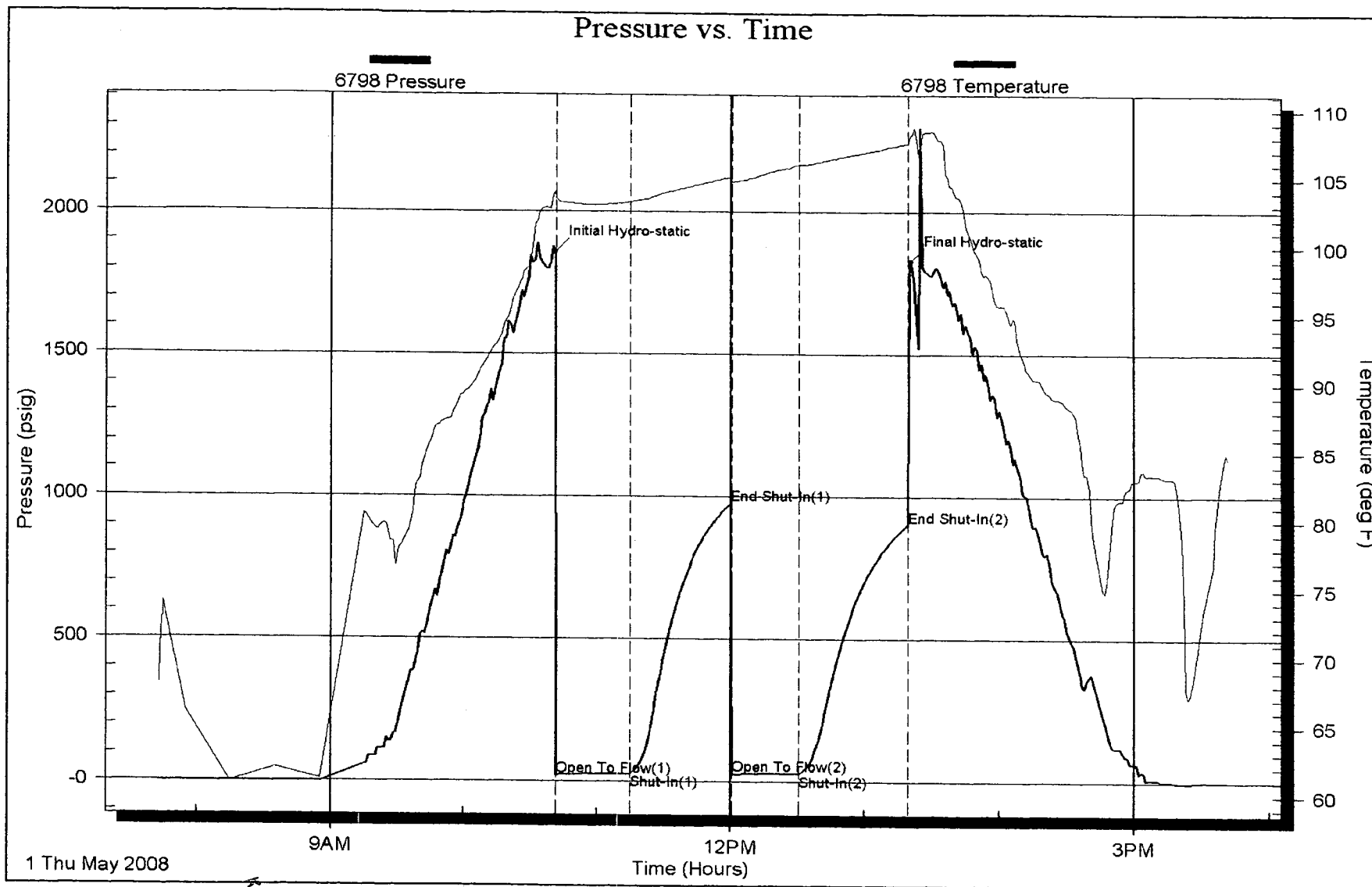
Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.07

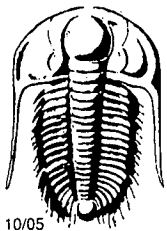
Gas Rates

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

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CONSERVATION DIVISION
WICHITA, KS



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WICHITA, KS
DEC 28 2008



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31954

Test Ticket

Well Name & No. Koelsch #2 Test No. 3 Date 5-2-08
 Company GraEx, LLC. Zone Tested Mississippi
 Address P.O. Box 32 Kingman, Kansas 67068 Elevation 1949 KB 1943 GL
 Co. Rep / Geo. Jeff Burk Rig Landmark #4
 Location: Sec. 11 Twp. 24S Rge. 14W Co. Stafford State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 3938-4007 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 69 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 3933 Tool Weight 2500
 Bottom Packer Depth 3938 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4007 Wt. Pipe Run C Drill Collar Run 2604" H-90
 Mud Wt. 9.0 LCM 0 Vis. 52 WL 8.8 Drill Pipe Size 4 1/2" XH Ft. Run 3671

Blow Description FF: Strong blow. B.O.B. in 7 mins.
IST: No blow.
FF: Strong blow. B.O.B. immediately. 675 in 29 mins. (see gas flow report.)
FST: No blow.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>65</u>	<u>3866</u>	<u>65</u>	<u>0</u>
Rec. <u>65</u> Feet of <u>VSGCM</u>	%gas	%oil	%water <u>97</u> %mud
Rec. _____ Feet of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet of _____	%gas	%oil	%water _____ %mud
BHT <u>114</u> °F Gravity <u>N/C</u> °API D @ _____ °F Corrected Gravity _____ °API			
RW <u>N/C</u> @ _____ °F Chlorides <u>9,000</u> ppm Recovery _____ Chlorides <u>9,000</u> ppm System			

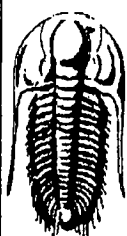
AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1904</u> PSI	<u>6798</u>	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure	<u>29</u> PSI (depth)	<u>3946</u>	Jars _____
(C) First Final Flow Pressure	<u>40</u> PSI	<u>8358</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>903</u> PSI (depth)	<u>3946</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>33</u> PSI	_____	Sampler _____
(F) Second Final Flow Pressure	<u>50</u> PSI (depth)	_____	Straddle _____
(G) Final Shut-In Pressure	<u>911</u> PSI	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1878</u> PSI	<u>45</u>	Shale Packer _____
	Final Flow	<u>60</u>	Ruined Packer _____
	Final Shut-In	<u>90</u>	Mileage <input checked="" type="checkbox"/> <u>50 R.T.</u>
	T-On Location	<u>1200</u>	Sub Total: _____
	T-Started	<u>1513</u>	Std. By _____
	T-Open	<u>1753</u>	Acc. Chg: <input checked="" type="checkbox"/> <u>No Stairs</u>
	T-Pulled	<u>2140</u>	Other: _____
	T-Out	<u>2459</u>	Total: _____

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Approved By _____
 Our Representative Gary Adams

Thank You.

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 CONSERVATION DIVISION
 WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gra Ex, LLC.
P.O. Box 32
Kingman, Kansas 67068
ATTN: Jeff Burk

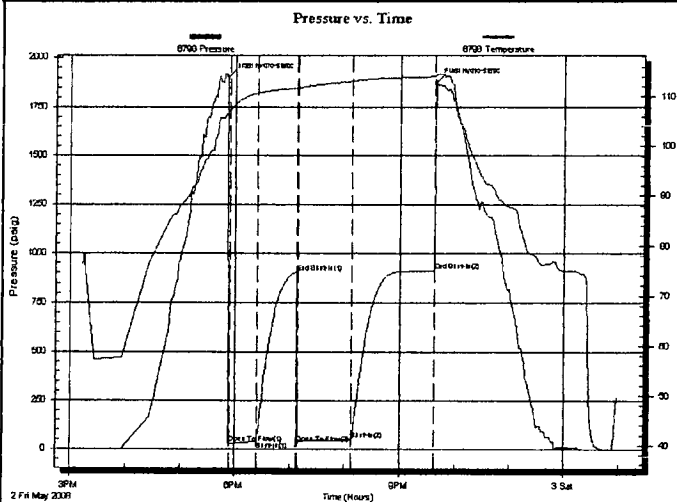
Koelsch # 2
11-24s-14w Stafford
Job Ticket: 31194 **DST#: 3**
Test Start: 2008.05.02 @ 15:13:47

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock ft (KB)
Time Tool Opened: 17:53:17
Time Test Ended: 00:59:17
Test Type: Conventional Bottom Hole
Tester: Jerry Adams
Unit No: 45
Interval: **3938.00 ft (KB) To 4007.00 ft (KB) (TVD)**
Reference Elevations: 1949.00 ft (KB)
Total Depth: 4007.00 ft (KB) (TVD) 1943.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6798 **Inside**
Press@RunDepth: 50.43 psig @ 3946.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.05.02 End Date: 2008.05.03 Last Calib.: 2008.05.03
Start Time: 15:13:47 End Time: 00:59:17 Time On Btm: 2008.05.02 @ 17:51:17
Time Off Btm: 2008.05.02 @ 21:39:17

TEST COMMENT: IF: Strong blow. B.O.B. in 7 mins.
IS: No blow.
FF: Strong blow. B.O.B. immediately. GTS in 29 mins. (see gas flow report.)
FS: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1903.60	106.49	Initial Hydro-static
2	29.40	107.03	Open To Flow (1)
32	40.48	110.68	Shut-In(1)
76	903.38	111.67	End Shut-In(1)
77	32.66	111.46	Open To Flow(2)
137	50.43	113.13	Shut-In(2)
227	910.59	114.12	End Shut-In(2)
228	1877.83	114.35	Final Hydro-static

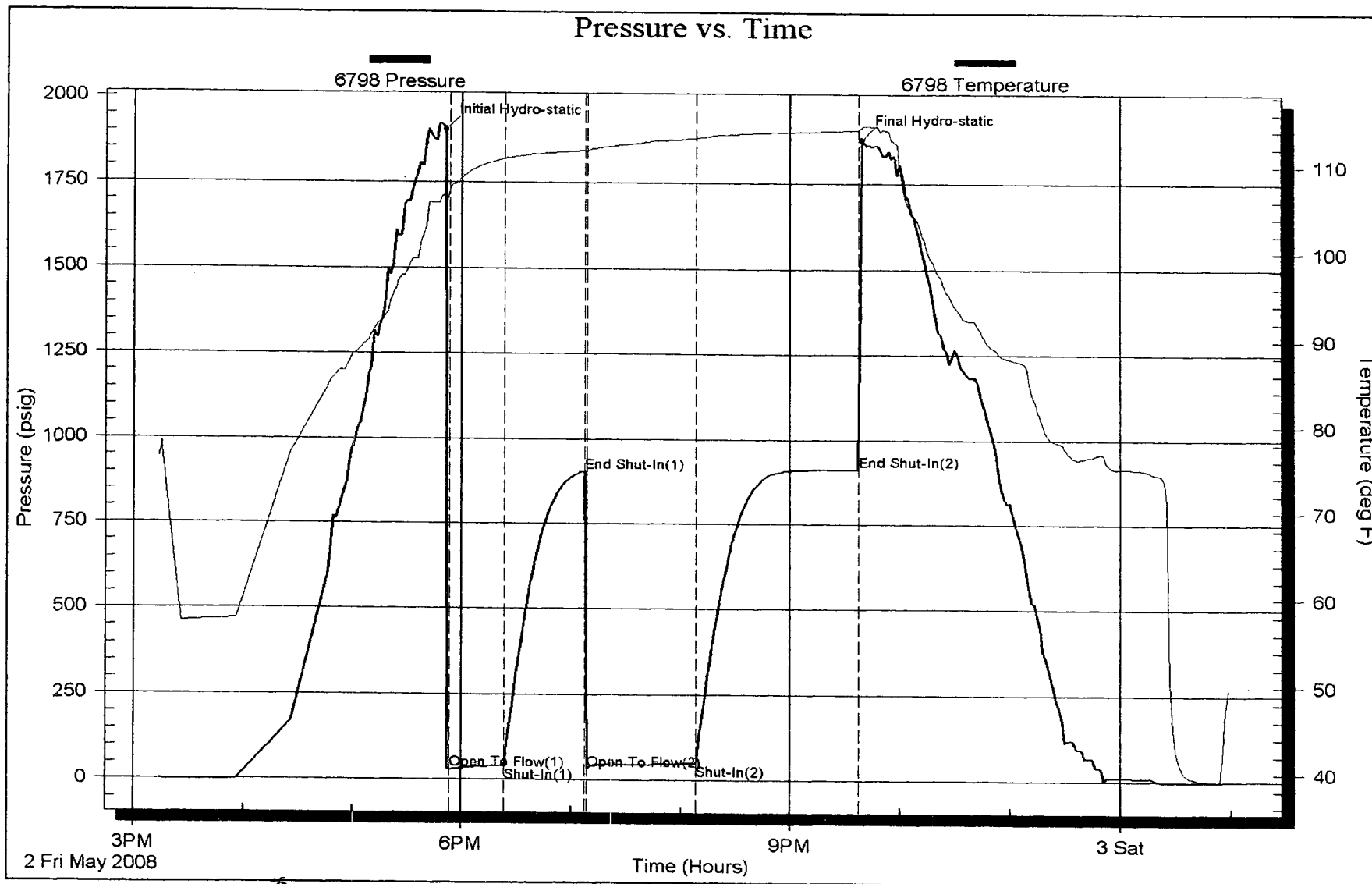
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Recovery

Length (ft)	Description	Volume (bbl)
65.00	VSGCM 3%g 97%g	0.32
0.00	3866' GIP	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76
Last Gas Rate			
Max. Gas Rate	0.13	3.50	6.70



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