



KANSAS CORPORATION COMMISSION 1051438  
OIL & GAS CONSERVATION DIVISION

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 # 34351  
Name: Maralex Resources, Inc.  
Address 1: 775 Goddard Ave  
Address 2: PO Box 338  
City: Ignacio State: CO Zip: 81137 + \_\_\_\_\_  
Contact Person: A. M. O'Hare  
Phone: ( 970 ) 563-4000  
CONTRACTOR: License # 33493  
Name: American Eagle Drilling LLC  
Wellsite Geologist: Clayton Ericson  
Purchaser: N/A

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
1/5/2011    1/15/2011    1/15/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date    Recompletion Date

API No. 15 - 15-065-23708-00-00  
Spot Description: \_\_\_\_\_  
N2\_S2\_SE\_NW Sec. 6 Twp. 7 S. R. 25  East  West  
2,080 Feet from  North /  South Line of Section  
1,980 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Graham  
Lease Name: Heskett Well #: 6-1  
Field Name: \_\_\_\_\_  
Producing Formation: Arbuckle  
Elevation: Ground: 2562 Kelly-Bushing: 2567  
Total Depth: 3950 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 303 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: 13000 ppm Fluid volume: 1100 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  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: PIA Deanna Garrison Date: 03/23/2011



1051438

Operator Name: Maralex Resources, Inc. Lease Name: Heskett Well #: 6-1  
 Sec. 6 Twp. 7 S. R. 25  East  West County: Graham

**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 <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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Dual Induction, Micro, Sonic, Porosity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Attached Top Attached Datum Attached
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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	12.25	8.625	23	303	Common	190	3% CaCl2 and 2% 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	-			

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: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Maralex Resources, Inc.
Well Name	Heskett 6-1
Doc ID	1051438

Tops

Name	Top	Datum
Anhydrite	2172	+397
Baes Anhy.	2206	+363
Topeka	3460	-891
Heebner	3666	-1097
Toronto	3690	-1121
Lansing	3704	-1135
Muncie Creek	3806	-1237
BKC	3906	-1337
Arbuckle	3953	-1384

# ALLIED CEMENTING CO.. LLC. 040811

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

SERVICE POINT:

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
1-14-11	6	7	25		11:00am	11:00am	11:30am
LEASE	WELL# 1-6		LOCATION Studley F.W. 126		COUNTY	STATE	
			S.W.		Graham	KS	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR American Eagle #3 OWNER \_\_\_\_\_

TYPE OF JOB DTA

HOLE SIZE 7 7/8 ID \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 2185'

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

EQUIPMENT

PUMP/TRUCK CEMENTER Fuzzy

# 431 HELPER Darren

BULK TRUCK

# 394 DRIVER Jerry

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

25 cks @ 2185'

100 cks @ 1362'

40 cks @ 355'

10 cks @ 40' w/ plug

30 cks @ 64'

Job complete @ 11:30 am

Thanks Terry

CHARGE TO: Maralox Resources

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 \_\_\_\_\_

SIGNATURE [Signature]

CEMENT	AMOUNT ORDERED		
	<u>205 cks 60/40</u>		
	<u>40 cks 14' Slotted</u>		
COMMON	<u>123</u>	@ <u>15.45</u>	<u>1900.35</u>
POZMIX	<u>82</u>	@ <u>8.00</u>	<u>656.00</u>
GEL	<u>7</u>	@ <u>20.70</u>	<u>144.90</u>
CHLORIDE		@	
ASC		@	
	<u>Slotted 51'</u>	@ <u>2.50</u>	<u>127.50</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>214</u>	@ <u>2.40</u>	<u>513.60</u>
MILEAGE	<u>10 x 34 mile</u>		<u>1369.60</u>
TOTAL			<u>4712.65</u>

SERVICE

DEPTH OF JOB	<u>2185'</u>		
PUMP/TRUCK CHARGE			<u>1017.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>64</u>	@ <u>7.00</u>	<u>448.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL			

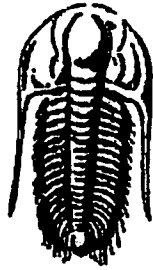
PLUG & FLOAT EQUIPMENT

<u>1-8" plug</u>	@	<u>40.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>40.00</u>

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Maralex Resoures**

P.O. Box 338  
Inganaio CO 81137

ATTN: Clayton Erickson

**6 7 25w Gramh KS**

**Heskett #6-1**

Start Date: 2011.01.11 @ 17:25:00

End Date: 2011.01.12 @ 03:05:00

Job Ticket #: 040034      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Maralex Resoures

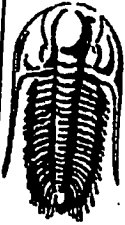
Heskett #6-1

6 7 25w Gramh KS

DST # 1

LKC-C

2011.01.11



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Maralex Resources  
P.O. Box 338  
Inganalo CO 81137

Heskett #6-1  
6 7 25w Gramh KS  
Job Ticket: 040034 DST#: 1  
Test Start: 2011.01.11 @ 17:25:00

ATTN: Clayton Erickson

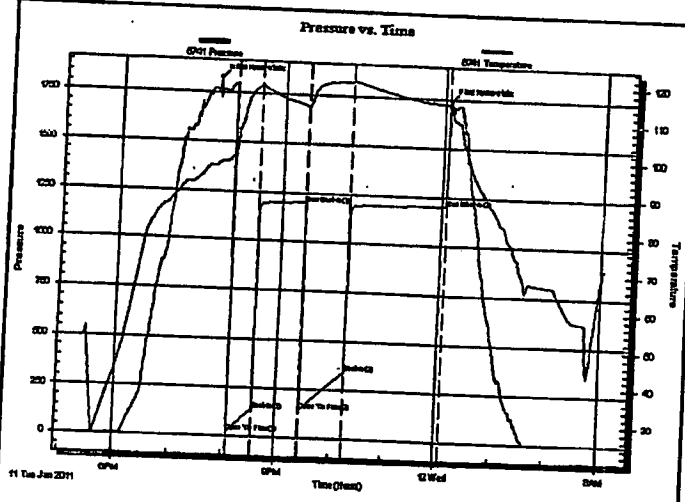
**GENERAL INFORMATION:**

Formation: LKC-C  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:05:30  
Time Test Ended: 03:05:00  
Interval: 3702.00 ft (KB) To 3735.00 ft (KB) (TVD)  
Total Depth: 3735.00 ft (KB) (TVD)  
Hole Diameter: 7.88 Inches Hole Condition: Good

Test Type: Conventional Bottom Hole  
Tester: Chuck Kreutzer Jr.  
Unit No: 36  
Reference Elevations: 2566.00 ft (KB)  
2562.00 ft (CF)  
KB to GR/CF: 4.00 ft

Serial #: 6741 Inside  
Press@RunDepth: 345.86 psig @ 3703.00 ft (KB)  
Start Date: 2011.01.11 End Date: 2011.01.12  
Start Time: 17:25:01 End Time: 03:05:00  
Capacity: 8000.00 psig  
Last Calib.: 2011.01.12  
Time On Btm: 2011.01.11 @ 19:46:00  
Time Off Btm: 2011.01.12 @ 00:06:30

**TEST COMMENT:** F: Fair blow built to B.O.B in 10 mins.  
IS: Bled off, blow back after 5 mins. Weak surface, died in 20 mins.  
FF: Weak blow, Built to 3 in. over 15 mins. Started to die, 2 1/2 in. after 50 mins.  
FSI



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1827.21	96.80	Initial Hydro-static
20	23.38	97.79	Open To Flow (1)
47	144.92	118.07	Shut-in(1)
100	1198.40	112.92	End Shut-in(1)
100	148.00	112.67	Open To Flow (2)
150	345.86	119.74	Shut-in(2)
259	1198.72	114.43	End Shut-in(2)
261	1740.44	112.55	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
676.00	mcw -10% m 90% w	9.48
124.00	w cm -15% w 85% m	1.74

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Maralex Resources

Heskett #6-1

P.O. Box 338  
Ingalab CO 81137

6 7 25w Gramh KS

Job Ticket: 040034

DST#: 1

ATTN: Clayton Erickson

Test Start: 2011.01.11 @ 17:25:00

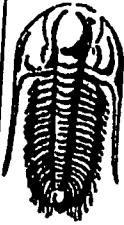
### Tool Information

Drill Pipe:	Length: 3681.00 ft	Diameter: 3.80 inches	Volume: 51.63 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 51.63 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3702.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 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			3679.00	
Hydraulic tool	5.00			3684.00	
Jars	5.00			3689.00	
Safety Joint	3.00			3692.00	
Packer	5.00			3697.00	28.00 Bottom Of Top Packer
Packer	5.00			3702.00	
Stubb	1.00			3703.00	
Recorder	0.00	6752	inside	3703.00	
Recorder	0.00	6741	inside	3703.00	
Perforations	29.00			3732.00	
Bullnose	3.00			3735.00	33.00 Bottom Packers & Anchor

**Total Tool Length: 61.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Maralex Resources  
P.O. Box 338  
Inganala CO 81137

Heskett #6-1  
6 7 25w Gramh KS

Job Ticket: 040034      DST#: 1  
Test Start: 2011.01.11 @ 17:25:00

ATTN: Clayton Erickson

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 58.00 sec/qt  
Water Loss: 7.18 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 700.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 30000 ppm

**Recovery Information**

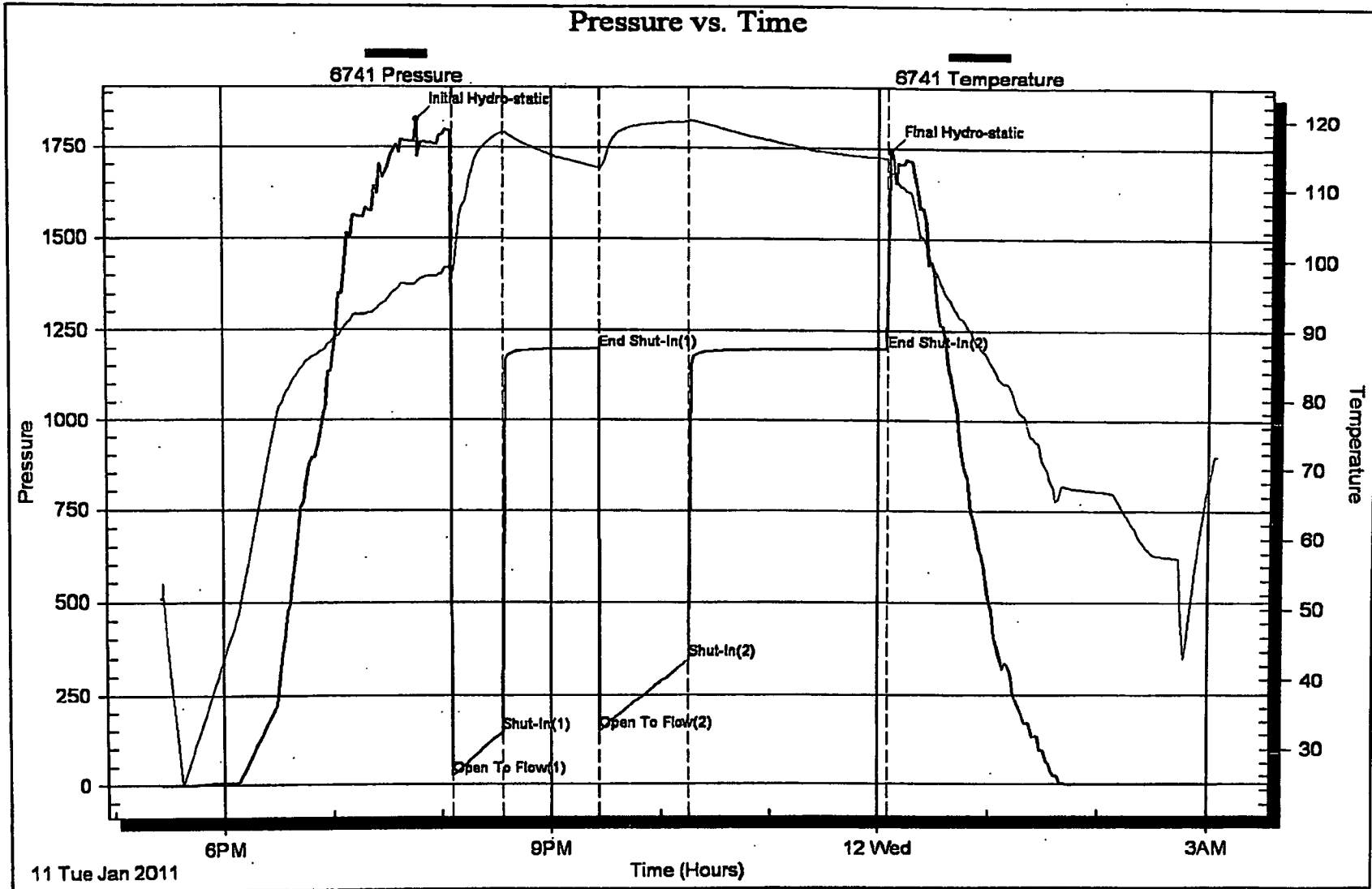
**Recovery Table**

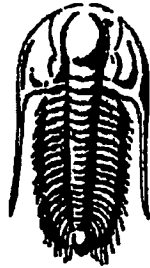
Length ft	Description	Volume bbl
676.00	mcw - 10% m 90% w	9.483
124.00	w cm - 15% w 85% m	1.739

Total Length: 800.00 ft      Total Volume: 11.222 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: RW .4 @ 40F = 30000 ppm chlorides







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Maralex Resoures**

P.O. Box 338  
Inganalo CO 81137

ATTN: Clayton Erickson

**6 7 25w Gramh KS**

**Heskett #6-1**

Start Date: 2011.01.12 @ 17:45:00

End Date: 2011.01.13 @ 00:40:00

Job Ticket #: 040035          DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Maralex Resoures

Heskett #6-1

6 7 25w Gramh KS

DST # 2

LKC-E-G

2011.01.12



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Maralex Resources

P.O. Box 338  
Inganaio CO 81137

ATTN: Clayton Erickson

Heskett #6-1

6 7 25w Gramh KS

Job Ticket: 040035

DST#: 2

Test Start: 2011.01.12 @ 17:45:00

**GENERAL INFORMATION:**

Formation: LKC-E-G  
Deviated: No Whipstock ft (KB)  
Time Tool Opened: 20:09:30  
Time Test Ended: 00:40:00

Interval: 3750.00 ft (KB) To 3783.00 ft (KB) (TVD)  
Total Depth: 3783.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good

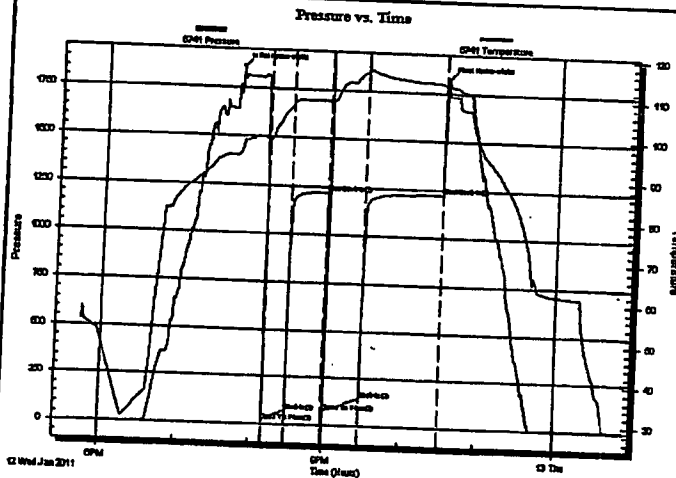
Test Type: Conventional Bottom Hole  
Tester: Chuck Kreutzer Jr.  
Unit No: 36

Reference Elevations: 2566.00 ft (KB)  
2562.00 ft (CF)  
KB to GR/CF: 4.00 ft

Serial #: 6741 Inside  
Press@RunDepth: 146.75 psig @ 3751.00 ft (KB)  
Start Date: 2011.01.12 End Date: 2011.01.13  
Start Time: 17:45:01 End Time: 00:40:00

Capacity: 8000.00 psig  
Last Calib.: 2011.01.13  
Time On Btm: 2011.01.12 @ 19:47:00  
Time Off Btm: 2011.01.12 @ 22:32:00

**TEST COMMENT:** F: Fair blow, built to B.O.B in 13 mins.  
IS: No blow back over 30 mins.  
FF: Weak surface blow, didn't blow thru 30 mins.  
FF: No blow back over 60 mins.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1863.06	95.64	Initial Hydro-static
23	19.36	98.24	Open To Flow (1)
41	75.73	107.41	Shut-in(1)
72	1221.26	108.35	End Shut-in(1)
73	78.74	108.15	Open To Flow (2)
101	146.75	115.91	Shut-in(2)
164	1222.72	113.17	End Shut-in(2)
165	1826.08	112.50	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
92.00	mcw -20% m80%w	0.87
124.00	w cm-50%w 50%m	1.74
30.00	w cm-10%w 90%m	0.42

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Maralex Resources

Heskett #6-1

P.O. Box 338  
Ingalala CO 81137

6 7 25w Gramh KS

Job Ticket: 040035

DST#: 2

ATTN: Clayton Erickson

Test Start: 2011.01.12 @ 17:45:00

### Tool Information

Drill Pipe:	Length: 3712.00 ft	Diameter: 3.80 inches	Volume: 52.07 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 52.07 bbl</u>	Tool Chased: 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3750.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 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			3727.00	
Hydraulic tool	5.00			3732.00	
Jars	5.00			3737.00	
Safety Joint	3.00			3740.00	
Packer	5.00			3745.00	28.00 Bottom Of Top Packer
Packer	5.00			3750.00	
Stub	1.00			3751.00	
Recorder	0.00	6752	inside	3751.00	
Recorder	0.00	6741	inside	3751.00	
Perforations	29.00			3780.00	
Bullnose	3.00			3783.00	33.00 Bottom Packers & Anchor

**Total Tool Length: 61.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Maralex Resources

Heskett #6-1

P.O. Box 338  
Inganaio CO 81137

6 7 25w Gramh KS

ATTN: Clayton Erickson

Job Ticket: 040035

DST#: 2

Test Start: 2011.01.12 @ 17:45:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.38 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbf

psig

Oil API

Water Salinity:

deg API

ppm

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbf
92.00	mcw-20% m80%w	0.870
124.00	w cm-50%w 50%m	1.739
30.00	w cm-10%w 90%m	0.421

Total Length: 246.00 ft

Total Volume: 3.030 bbf

Num Fluid Samples: 0

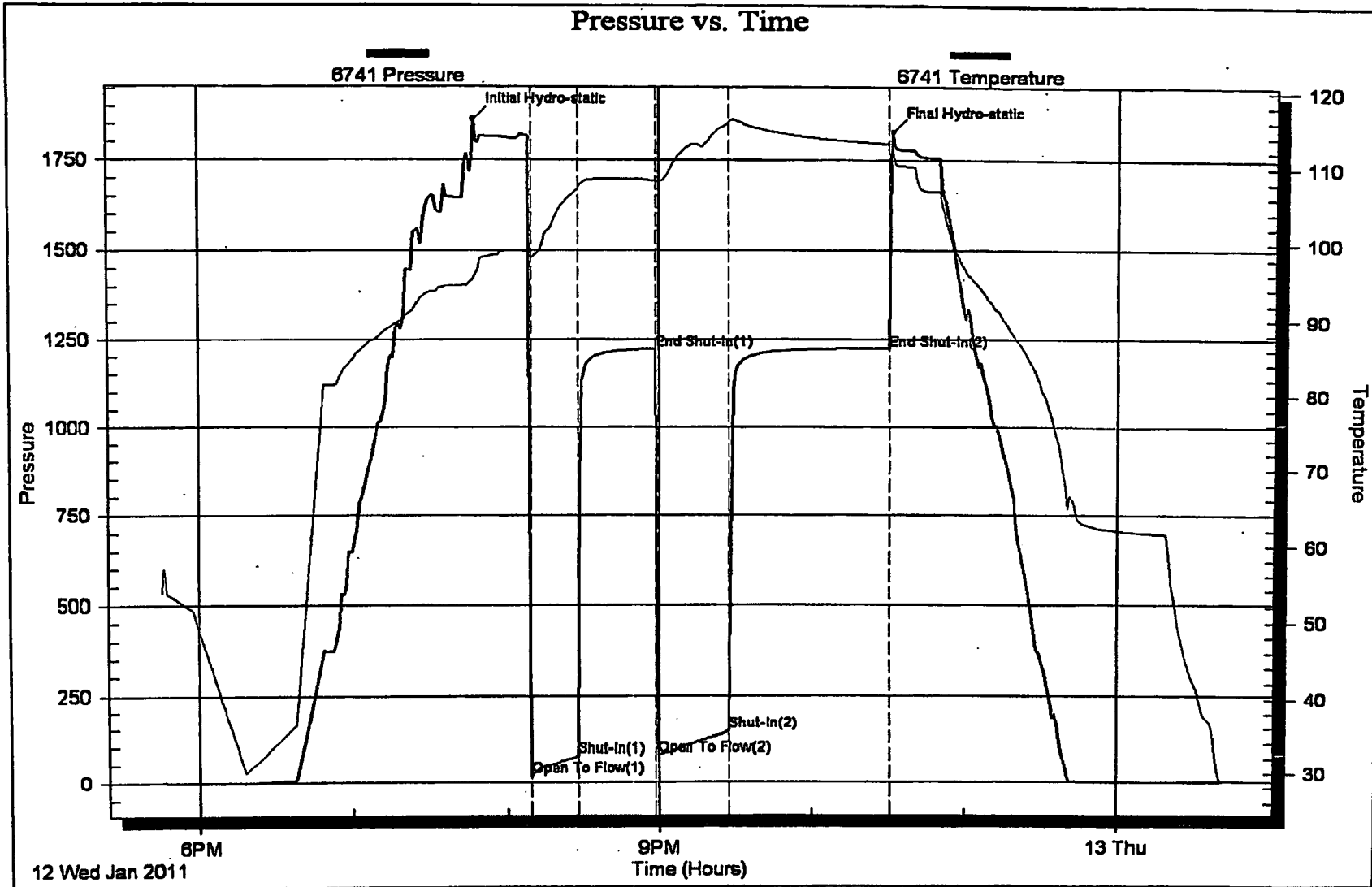
Num Gas Bombs: 0

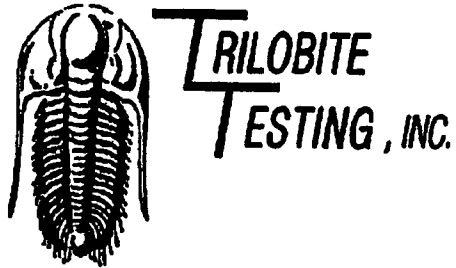
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Maralex Resoures**  
P.O. Box 338  
Inganaio CO 81137

ATTN: Clayton Erickson

**6 7 25w Gramh KS**

**Heskett #6-1**

Start Date: 2011.01.13 @ 17:35:00

End Date: 2011.01.13 @ 23:07:00

Job Ticket #: 040036      DST #: 3

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Maralex Resources

Heskett #6-1

P.O. Box 338  
Inganaio CO 81137

6 7 25w Gramh KS

ATTN: Clayton Erickson

Job Ticket: 040036

DST#: 3

Test Start: 2011.01.13 @ 17:35:00

**GENERAL INFORMATION:**

Formation: LKC-J  
Deviated: No Whipstock ft (KB)

Time Tool Opened: 19:22:30

Time Test Ended: 23:07:00

Interval: 3826.00 ft (KB) To 3857.00 ft (KB) (TVD)

Total Depth: 3857.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Reference Elevations: 2566.00 ft (KB)

2562.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 6741

Inside

Press@RunDepth: 27.47 psig @ 3827.00 ft (KB)

Start Date: 2011.01.13

End Date:

2011.01.13

Capacity: 8000.00 psig

Last Calib.: 2011.01.13

Start Time: 17:35:01

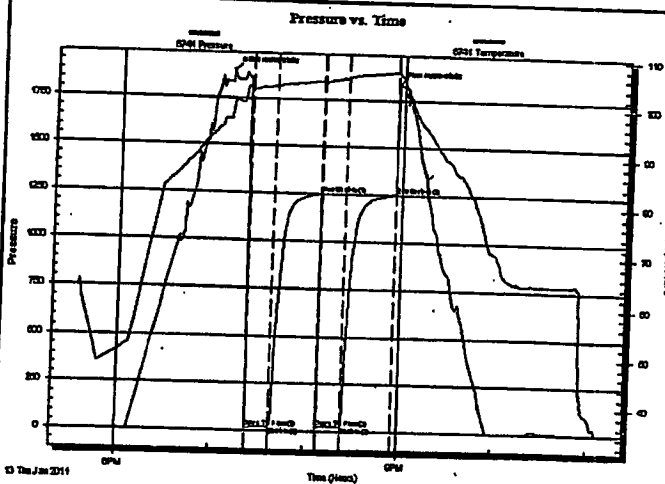
End Time:

23:07:00

Time On Btm: 2011.01.13 @ 19:10:30

Time Off Btm: 2011.01.13 @ 20:56:30

**TEST COMMENT:** F: Weak surface blow, built to 1/2 in. over 15 mins.  
IS: No blow back over 30 mins.  
FF: No blow over 15 mins.  
FS: No blow back over 30 mins.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.90	99.03	Initial Hydro-static
12	16.48	103.10	Open To Flow (1)
28	21.16	103.82	Shut-In(1)
58	1247.67	105.05	End Shut-In(1)
58	22.33	104.39	Open To Flow (2)
73	27.47	105.74	Shut-In(2)
105	1247.17	107.01	End Shut-In(2)
106	1837.28	106.81	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
15.00	mud with oil specs	0.00

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Maralex Resources

Heskett #6-1

P.O. Box 338  
Inganaia CO 81137

6 7 25w Gramh KS

Job Ticket: 040036

DST#: 3

ATTN: Clayton Erickson

Test Start: 2011.01.13 @ 17:35:00

**Tool Information**

Drill Pipe:	Length: 3778.00 ft	Diameter: 3.80 inches	Volume: 53.00 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 53.00 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3826.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 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			3803.00	
Hydraulic tool	5.00			3808.00	
Jars	5.00			3813.00	
Safety Joint	3.00			3816.00	
Packer	5.00			3821.00	28.00 Bottom Of Top Packer
Packer	5.00			3826.00	
Stubb	1.00			3827.00	
Recorder	0.00	6752	inside	3827.00	
Recorder	0.00	6741	inside	3827.00	
Perforations	29.00			3856.00	
Bullnose	3.00			3859.00	33.00 Bottom Packers & Anchor

**Total Tool Length: 61.00**



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Maralex Resources

Heskett #6-1

P.O. Box 338  
Inganaio CO 81137

6 7 25w Gramh KS

Job Ticket: 040036

DST#: 3

ATTN: Clayton Erickson

Test Start: 2011.01.13 @ 17:35:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.39 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API  
ppm

**Recovery Information**

**Recovery Table**

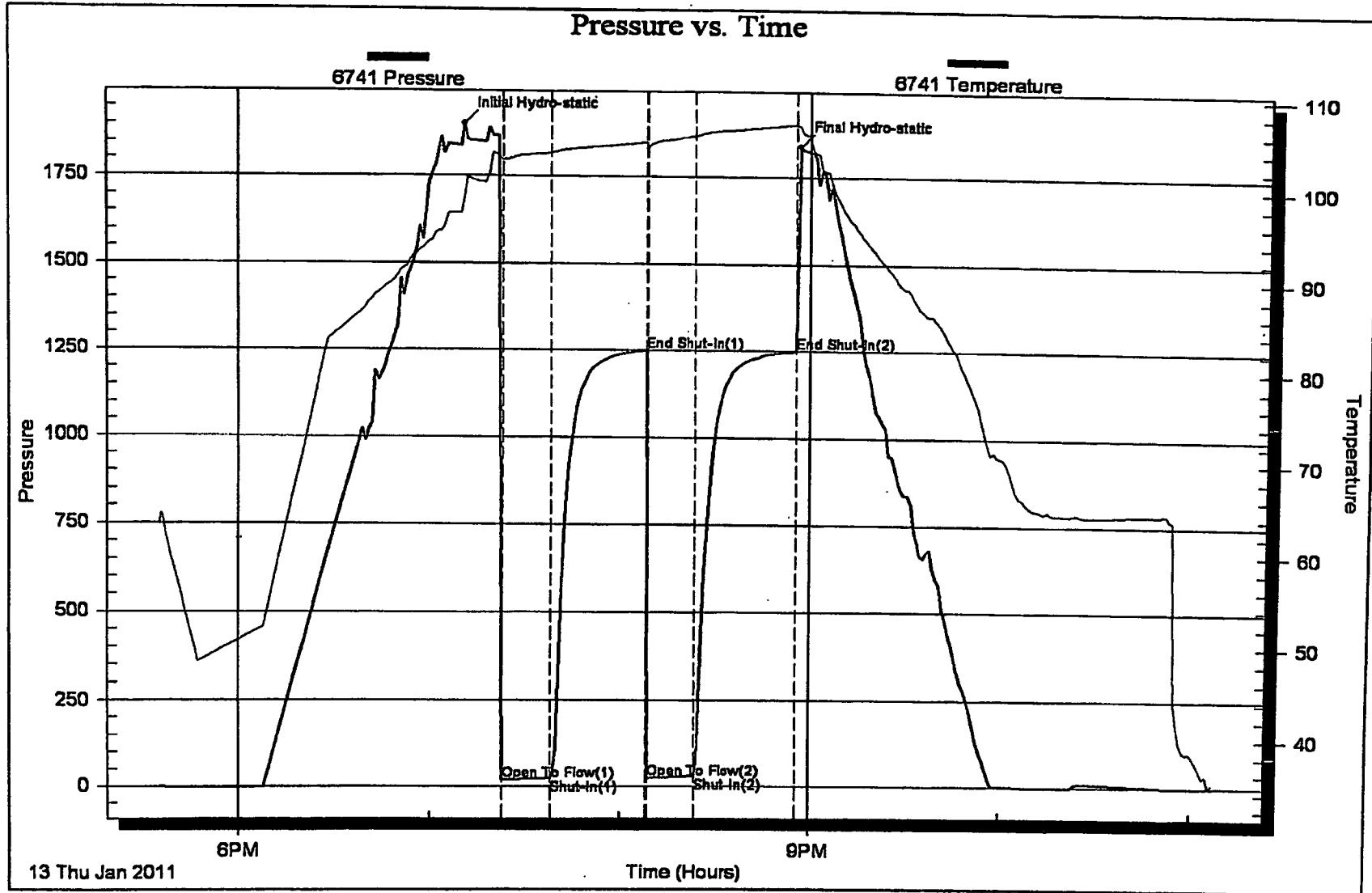
Length ft	Description	Volume bbl
15.00	mud with oil specs	0.000

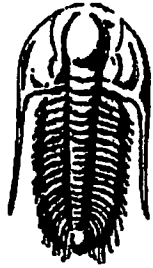
Total Length: 15.00 ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





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**DRILL STEM TEST REPORT**

Prepared For: **Maralex Resources**  
P.O. Box 338  
Inganaio CO 81137

ATTN: Clayton Erickson

**6 7 25w Gramh KS**

**Heskett #6-1**

Start Date: 2011.01.14 @ 06:15:00

End Date: 2011.01.14 @ 11:36:00

Job Ticket #: 040037      DST #: 4

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PO Box 1733 Hays, KS 67601  
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Maralex Resources

Heskett #6-1

6 7 25w Gramh KS

DST # 4

LKC-K

2011.01.14



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Maralex Resources

Heskett #6-1

P.O. Box 338  
Inganalo CO 81137

6 7 25w Gramh KS

ATTN: Clayton Erickson

Job Ticket: 040037

DST#: 4

Test Start: 2011.01.14 @ 06:15:00

## GENERAL INFORMATION:

Formation: LKC-K  
Deviated: No Whipstock ft (KB)

Time Tool Opened: 07:57:00

Time Test Ended: 11:36:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: 3855.00 ft (KB) To 3880.00 ft (KB) (TVD)

Total Depth: 3880.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2566.00 ft (KB)

2582.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 6741

Inside

Press@RunDepth: 26.66 psig @ 3856.00 ft (KB)

Start Date: 2011.01.14

End Date:

2011.01.14

Capacity: 8000.00 psig

Last Calib.: 2011.01.14

Start Time: 06:15:01

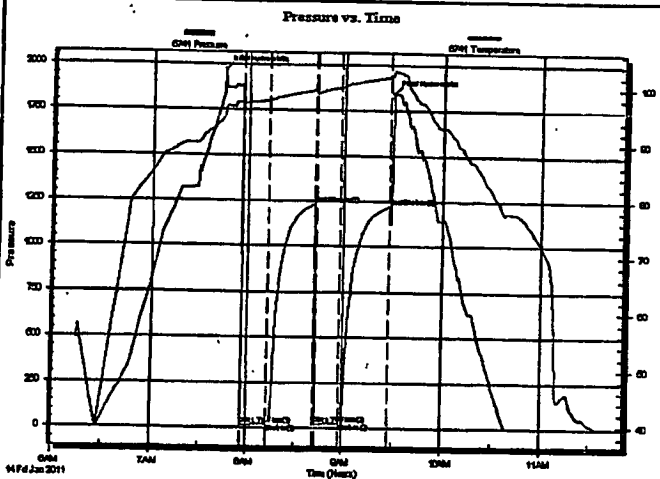
End Time:

11:36:00

Time On Btm: 2011.01.14 @ 07:45:00

Time Off Btm: 2011.01.14 @ 09:29:30

**TEST COMMENT:** F: Weak surface blow over 15 mins.  
IS: No blow back over 30 mins.  
FF: Weak surface after 10 mins, never built over 15 mins.  
FS: No blow back over 30 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.38	95.06	Initial Hydro-static
12	16.19	96.95	Open To Flow (1)
28	21.11	97.75	Shut-in(1)
57	1231.34	99.66	End Shut-in(1)
58	22.53	98.98	Open To Flow (2)
73	26.66	100.16	Shut-in(2)
103	1220.80	102.11	End Shut-in(2)
105	1845.37	103.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud with oil specs	0.14

## Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)



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## DRILL STEM TEST REPORT

TOOL DIAGRAM

Maralex Resoures

Heskett #6-1

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6 7 25w Gramh KS

Job Ticket: 040037

DST#:4

ATTN: Clayton Erickson

Test Start: 2011.01.14 @ 06:15:00

### Tool Information

Drill Pipe:	Length: 3837.00 ft	Diameter: 3.80 inches	Volume: 53.82 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 53.82 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3855.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3832.00	
Hydraulic tool	5.00			3837.00	
Jars	5.00			3842.00	
Safety Joint	3.00			3845.00	
Packer	5.00			3850.00	28.00 Bottom Of Top Packer
Packer	5.00			3855.00	
Stubb	1.00			3856.00	
Recorder	0.00	6752	inside	3856.00	
Recorder	0.00	6741	inside	3856.00	
Perforations	21.00			3877.00	
Bullnose	3.00			3880.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

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6 7 25w Gramh KS

Job Ticket: 040037

DST#: 4

ATTN: Clayton Erickson

Test Start: 2011.01.14 @ 06:15:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil Apt:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft.

Water Safinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Caka: 2.00 Inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	mud with oil specs	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

