

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9855
Name: Grand Mesa Operating Company
Address 1: 1700 N WATERFRONT PKWY BLDG 600
Address 2: _____
City: WICHITA State: KS Zip: 67206 + 5514
Contact Person: Ronald N. Sinclair
Phone: (316) 265-3000
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Macklin M. Armstrong
Purchaser: NCRA

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #: _____
09/10/2010 09/19/2010 10/28/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-063-21863-00-00
Spot Description: 834' FNL & 356' FWL
NE SW NW NW Sec. 4 Twp. 14 S. R. 31 East West
834 Feet from North / South Line of Section
356 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Gove
Lease Name: Hess Well #: 1-4
Field Name: Wildcat
Producing Formation: Lansing Zone
Elevation: Ground: 2912 Kelly Bushing: 2917
Total Depth: 4650 Plug Back Total Depth: 4634
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2420 Feet
If Alternate II completion, cement circulated from: 2420
feet depth to: 0 w/ 255 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 8500 ppm Fluid volume: 760 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: 11/18/2010
 Confidential Release Date: 11/17/2012
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 11/18/2010



1047190

Operator Name: Grand Mesa Operating Company Lease Name: Hess Well #: 1-4
 Sec. 4 Twp. 14 S. R. 31 East West County: Gove

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: Compact Photo Density Compensated Neutron; Comp. Sonic; AI Focussed Elect. Log; Micro Resis. Log; Dual Rec. Cement Bnd Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached 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	220	Common	165	3% CC; 2% Gel
Production	7.875	5.50	15.5	4643	EA-2	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-2420	SMD	255	

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
4	4218-4222'	250 Gal. 15% MCA Acid	4218-4222
4	4185-4190	250 Gal. 15% MCA Acid	4185-4190

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3901</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>10/28/2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
Estimated Production Per 24 Hours	Oil Bbls. <u>9</u>	Gas Mcf <u>0</u> Water Bbls. <u>85</u> 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 checked="" 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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>4218-4222</u> <u>4185-4190</u>
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	Hess 1-4
Doc ID	1047190

Tops

Stone Corral	2396	+521
Bs/Stone Corral	2419	+498
Heebner	3923	-1006
Muncie Creek	4119	-1202
Stark	4206	-1289
Marmaton	4312	-1395
Lwr Osage Shale	4431	-1514
Johnson	4530	-1613
Morrow	4551	-1634
Mississippian	4578	-1661
LTD	4646	



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

November 18, 2010

Ronald N. Sinclair
Grand Mesa Operating Company
1700 N WATERFRONT PKWY BLDG 600
WICHITA, KS 67206-5514

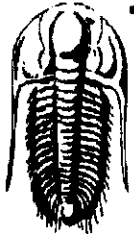
Re: ACO1
API 15-063-21863-00-00
Hess 1-4
NW/4 Sec.04-14S-31W
Gove County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Ronald N. Sinclair



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Company
 1700 N Waterfront Pkwy BLDG 600 Wichita, KS 67206
 ATTN: Mac Armstrong

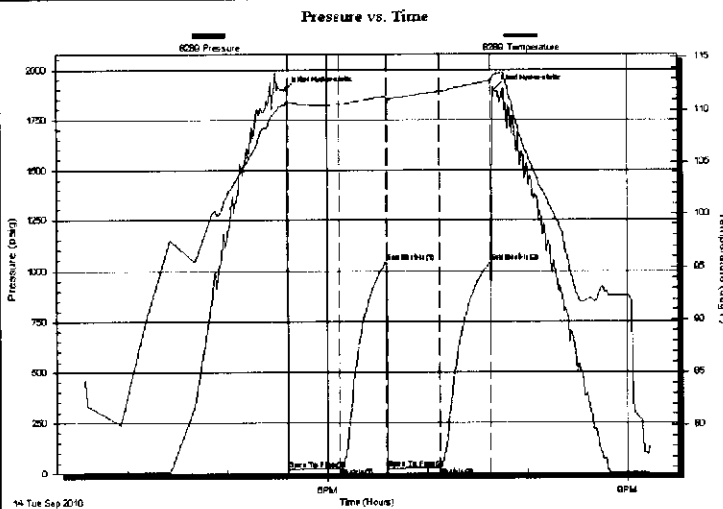
Hess 1-4
4/14/31
 Job Ticket: 40241 **DST#: 1**
 Test Start: 2010.09.14 @ 15:33:38

GENERAL INFORMATION:

Formation: **Lansing E&F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:36:48
 Time Test Ended: 21:13:32
 Interval: **4030.00 ft (KB) To 4064.00 ft (KB) (TVD)**
 Total Depth: 4064.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Hagman
 Unit No: 35
 Reference Elevations: 2917.00 ft (KB)
 2912.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8289 Outside
 Press@RunDepth: 30.34 psig @ 4032.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.09.14 End Date: 2010.09.14 Last Calib.: 2010.09.14
 Start Time: 15:33:38 End Time: 21:13:32 Time On Btm: 2010.09.14 @ 17:34:48
 Time Off Btm: 2010.09.14 @ 19:40:03

TEST COMMENT: IF: Weak surface blow, died 1 min.
 IS: No blow back
 FF: Weak surface blow died 10 sec., flushed, surface blow died 1 min.
 FS: No blow back



PRESSURE SUMMARY

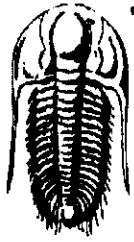
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1896.41	110.39	Initial Hydro-static
2	19.59	110.59	Open To Flow (1)
33	26.20	110.51	Shut-In(1)
61	1043.72	111.28	End Shut-In(1)
61	24.16	110.92	Open To Flow (2)
93	30.34	111.73	Shut-In(2)
123	1042.38	112.75	End Shut-In(2)
126	1898.37	113.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkwy BLDG 600 Wichita, KS
67206

4/14/31

Job Ticket: 40241

DST#: 1

ATTN: Mac Armstrong

Test Start: 2010.09.14 @ 15:33:38

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:

5000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

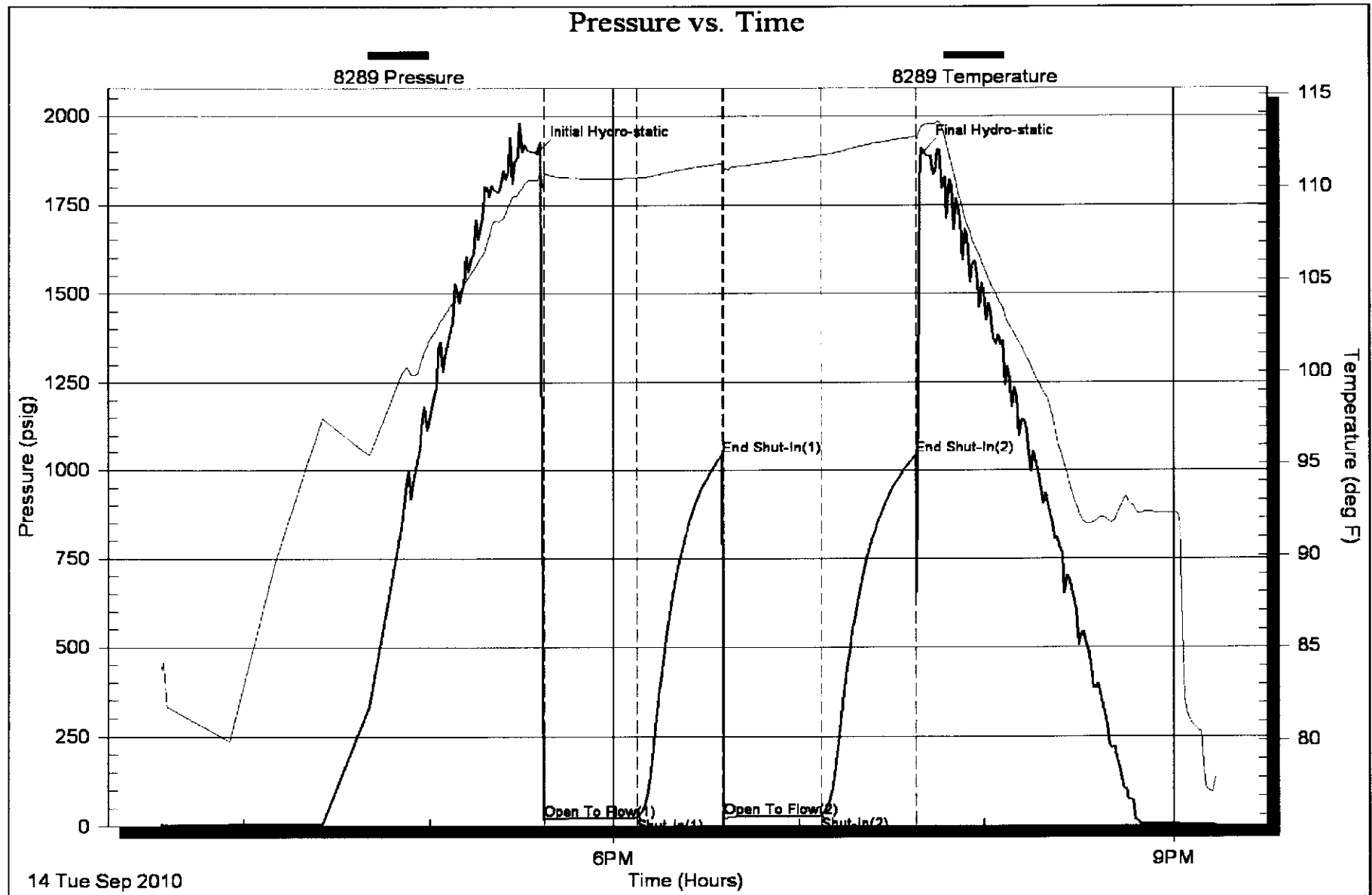
Serial #:

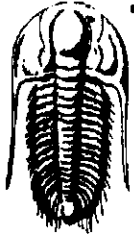
Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.95@87F=5000ppm

Sampler=2000ml mud @ 300psi





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkwy BLDG 600 Wichita, KS
67206

4/14/31

Job Ticket: 40242

DST#: 2

ATTN: Mac Armstrong

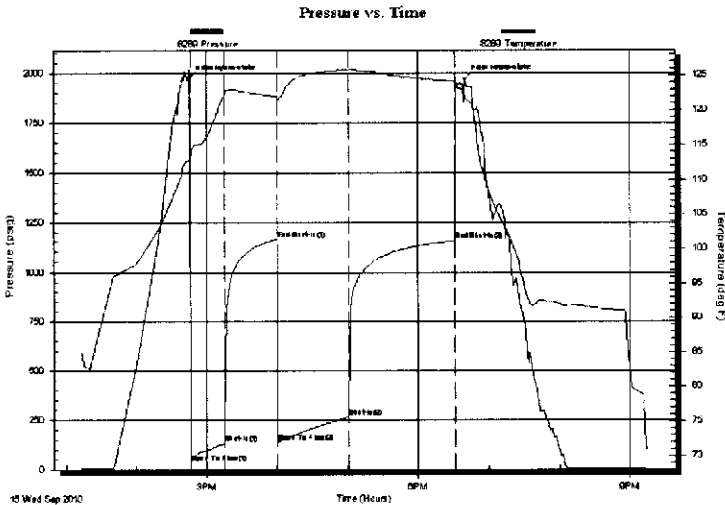
Test Start: 2010.09.15 @ 13:13:09

GENERAL INFORMATION:

Formation: **Lans. J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:46:49
 Time Test Ended: 21:15:03
 Interval: **4174.00 ft (KB) To 4200.00 ft (KB) (TVD)**
 Total Depth: 4200.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Hagman
 Unit No: 35
 Reference Elevations: 2917.00 ft (KB)
 2912.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8289 Outside
 Press@RunDepth: 265.15 psig @ 4175.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.09.15 End Date: 2010.09.15 Last Calib.: 2010.09.15
 Start Time: 13:13:09 End Time: 21:15:03 Time On Btm: 2010.09.15 @ 14:44:49
 Time Off Btm: 2010.09.15 @ 18:39:49

TEST COMMENT: IF: BOB 10 min., strong building blow
 IS: No blow back
 FF: BOB 12 min., strong steady blow
 FS: Blow back 2 min., 3.5 inches in 90 min.



PRESSURE SUMMARY

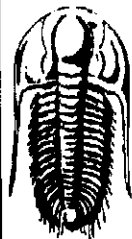
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1972.07	112.71	Initial Hydro-static
2	35.64	112.87	Open To Flow (1)
31	133.62	122.26	Shut-In(1)
76	1162.75	122.02	End Shut-In(1)
76	140.57	121.44	Open To Flow (2)
136	265.15	125.80	Shut-In(2)
227	1155.56	124.21	End Shut-In(2)
235	1971.04	121.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
434.00	oily gassy water 5%G,5%O,90%W	5.00
124.00	gassy oil 5%G,95%O	1.74

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkwy BLDG 600 Wichita, KS
67206

4/14/31

Job Ticket: 40242

DST#: 2

ATTN: Mac Armstrong

Test Start: 2010.09.15 @ 13:13:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

63000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
434.00	oily gassy water 5%G,5%O,90%W	5.004
124.00	gassy oil 5%G,95%O	1.739

Total Length: 558.00 ft Total Volume: 6.743 bbl

Num Fluid Samples: 0

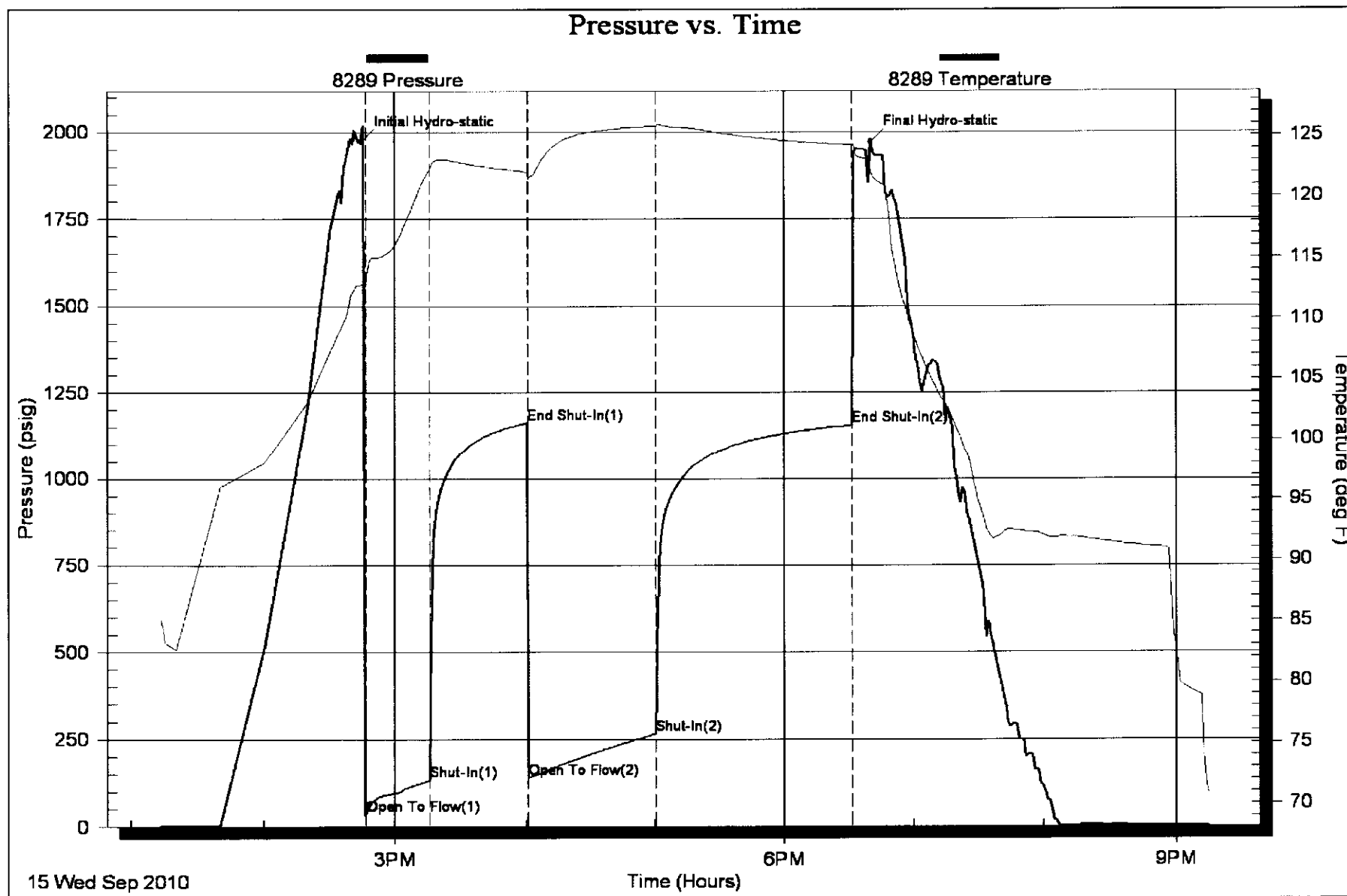
Num Gas Bombs: 0

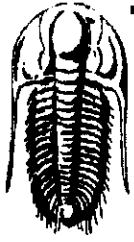
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler=1700ml oil, 1.6CF Gas @ 550psi
API=37@80F=35





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkwy BLDG 600 Wichita, KS
67206

4/14/31

Job Ticket: 38351

DST#: 3

ATTN: Mac Armstrong

Test Start: 2010.09.16 @ 06:04:05

GENERAL INFORMATION:

Formation: **k zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:04:45

Time Test Ended: 13:57:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: **4210.00 ft (KB) To 4230.00 ft (KB) (TVD)**

Total Depth: 4230.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2917.00 ft (KB)

2912.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 127.47 psig @ 4211.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.16

End Date:

2010.09.16

Last Calib.: 2010.09.16

Start Time: 06:04:05

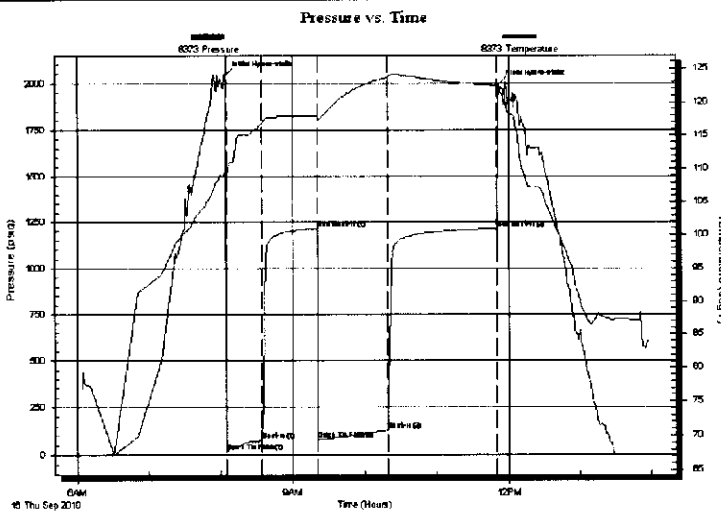
End Time:

13:57:14

Time On Btm: 2010.09.16 @ 08:04:30

Time Off Btm: 2010.09.16 @ 11:51:44

TEST COMMENT: IF: Built to BOB in 29 min.
IS: return blow built to surface blow
FF: BOB in 27 min
FS: return blow built to 1/8 blow



PRESSURE SUMMARY

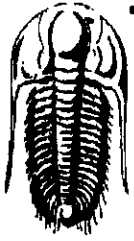
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2043.30	109.82	Initial Hydro-static
1	19.31	109.12	Open To Flow (1)
30	74.14	116.70	Shut-In(1)
77	1214.61	117.89	End Shut-In(1)
77	80.46	117.38	Open To Flow (2)
135	127.47	123.57	Shut-In(2)
226	1212.69	122.47	End Shut-In(2)
228	1991.27	122.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP=218 feet	0.00
30.00	free oil	0.15
62.00	mco 40% m 60% o	0.30
62.00	ocmw 2% o 30% m 68% w	0.62
119.00	mcw 5% m 95% w	1.67

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkw y BLDG 600 Wichita, KS
67206

4/14/31

Job Ticket: 38351

DST#: 3

ATTN: Mac Armstrong

Test Start: 2010.09.16 @ 06:04:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP=218 feet	0.000
30.00	free oil	0.148
62.00	mco 40%m 60%o	0.305
62.00	ocmw 2%o 30%m 68%w	0.624
119.00	mcw 5%m 95%w	1.669

Total Length: 273.00 ft Total Volume: 2.746 bbl

Num Fluid Samples: 0

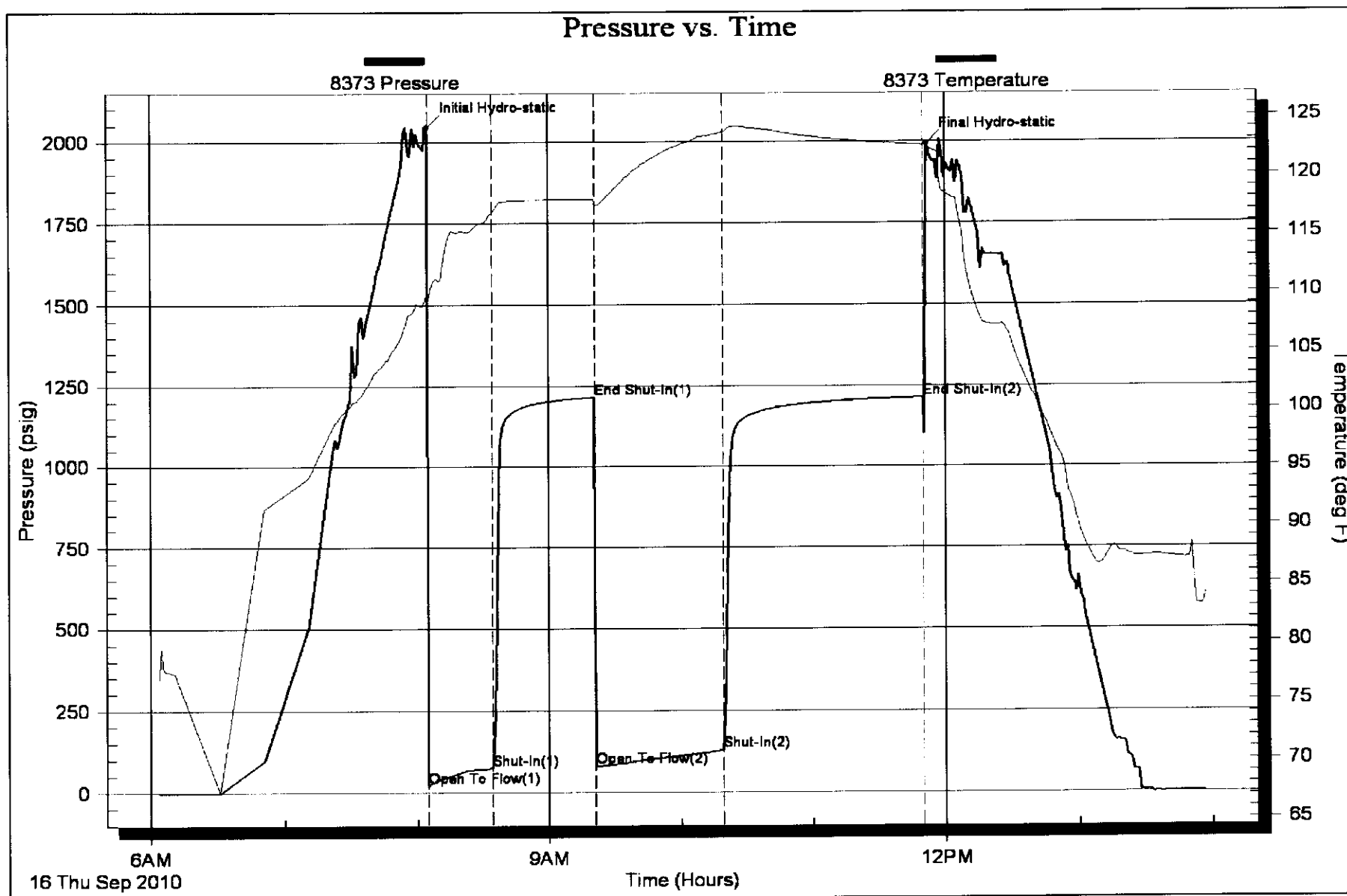
Num Gas Bombs: 0

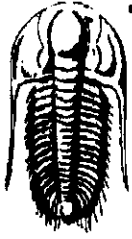
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=91.1 degrees @ .100=50000ppm





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkwy BLDG 600 Wichita, KS
67206

4/14/31

Job Ticket: 38352

DST#: 4

ATTN: Mac Armstrong

Test Start: 2010.09.17 @ 21:05:05

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 22:39:58

Time Test Ended: 02:25:28

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: **4491.00 ft (KB) To 4551.00 ft (KB) (TVD)**

Total Depth: 4551.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2917.00 ft (KB)

2912.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 39.98 psig @ 4530.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.17

End Date:

2010.09.18

Last Calib.: 2010.09.18

Start Time: 21:05:05

End Time:

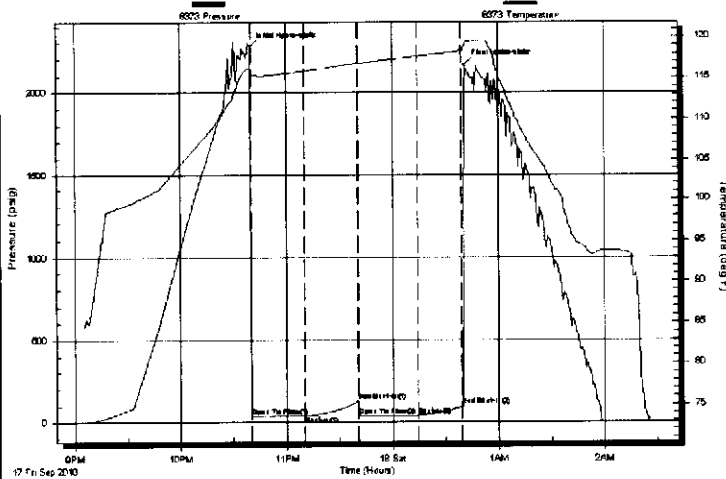
02:25:28

Time On Btm: 2010.09.17 @ 22:39:43

Time Off Btm: 2010.09.18 @ 00:40:58

TEST COMMENT: IF:Weak surface blow
IS:No return blow
FF:No blow
FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

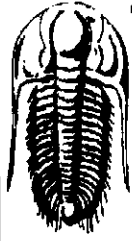
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2278.77	116.18	Initial Hydro-static
1	37.86	115.28	Open To Flow (1)
31	39.14	115.85	Shut-In(1)
61	128.49	116.78	End Shut-In(1)
61	39.20	116.72	Open To Flow (2)
95	39.98	117.63	Shut-In(2)
120	97.26	118.28	End Shut-In(2)
122	2167.21	119.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud with oil specs	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkwy BLDG 600 Wichita, KS
67206

4/14/31

Job Ticket: 38352

DST#: 4

ATTN: Mac Armstrong

Test Start: 2010.09.17 @ 21:05:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	mud with oil specs	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbf

Num Fluid Samples: 0

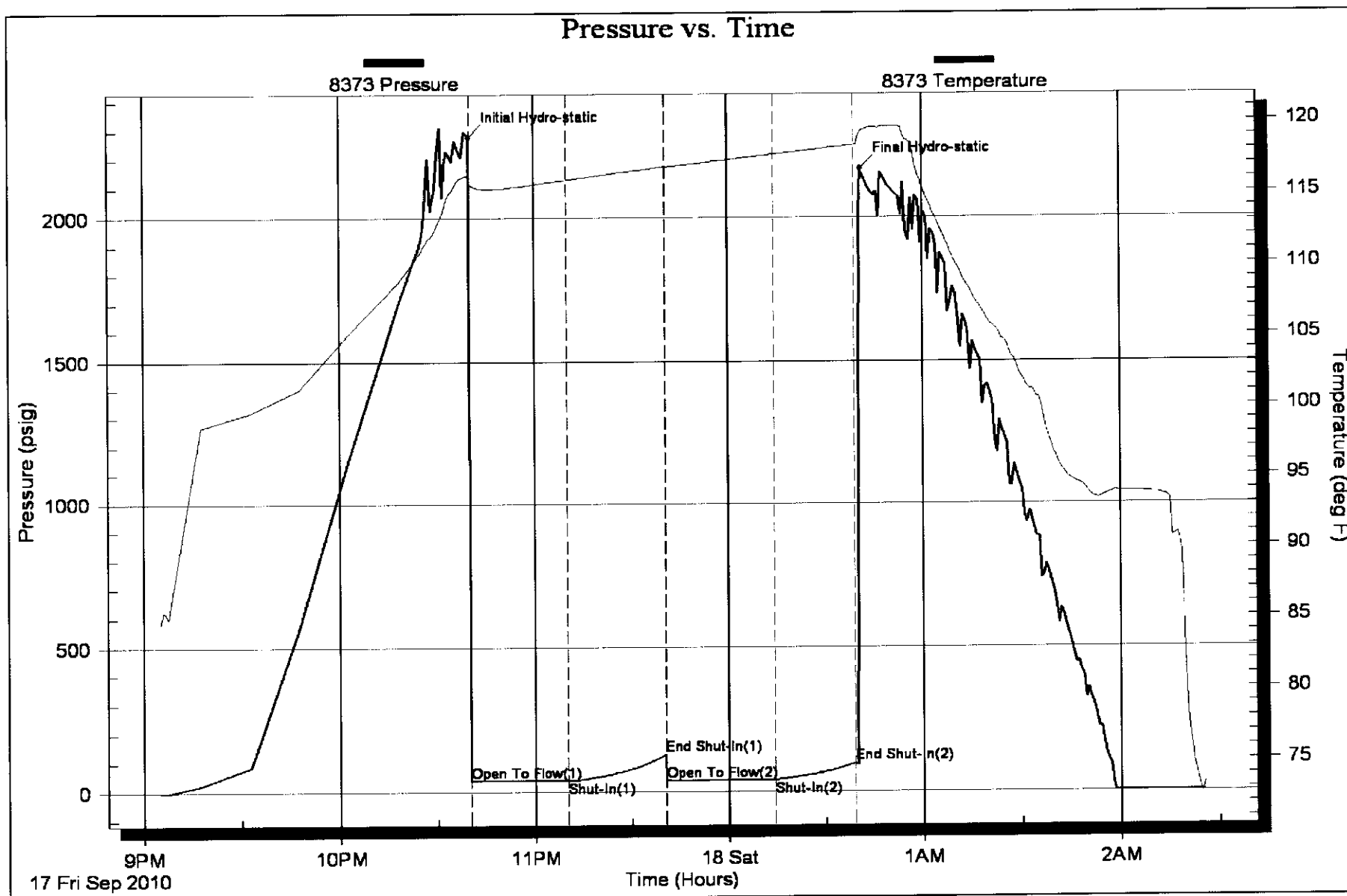
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



ALLIED CEMENTING CO., LLC. 035642

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

SERVICE POINT:
Oakley

DATE <u>9-10-10</u>	SEC. <u>4</u>	TWP. <u>14</u>	RANGE <u>31</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 PM</u>	JOB FINISH <u>8:00 PM</u>
LEASE <u>Hess</u>	WELL # <u>1-4</u>	LOCATION <u>Oakley 115 3E 6S</u>			COUNTY <u>Gove</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>1E 4S E into</u>					

CONTRACTOR Martin Drilling Rig 24 OWNER same

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>220'</u>
CASING SIZE <u>8 7/8</u>	DEPTH <u>223.50'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>13.30 BBL</u>	

CEMENT
AMOUNT ORDERED 165 sks com
3900 269 ec

COMMON <u>165 sks</u>	@ <u>15.45</u>	<u>2549.25</u>
POZMIX	@	
GEL <u>3 sks</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE <u>6 sks</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>174 sks</u>	@ <u>2.40</u>	<u>417.60</u>
MILEAGE <u>10.5 sk/mile</u>		<u>348.00</u>

TOTAL 3726.45

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Grand mesa

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>223.50'</u>	
PUMP TRUCK CHARGE	<u>1018.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>20 miles</u>	@ <u>7.00</u> <u>140.00</u>
MANIFOLD	@
	@
	@

TOTAL 1158.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

JOB LOG

SWIFT Services, Inc.

DATE 09-19-10 PAGE NO. 7

CUSTOMER PRIMO MESA WELL NO. 1-4 LEASE HESS JOB TYPE 2 STAGE L.S. TICKET NO. 18085

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0530							ONLOCATION CMT: BOTTOM 175 STD EA-2 TOP 300 STD SMO R104650, SET PIPE 4648, SJ10.0, TUBSET 4638 5 1/2 15.5" ID, DIV ON TOP # 53, 242 DEF, 100 PASCAL HESS CEM 2.4, 6.8, 10, 12, 14, 51 BASKET 2.51
	0615							START CSU & FLOATER
	0630							SLIPS ABOVE, WAIT ON NEW SET
	0845							RUN CSU
	1020							TAG BOTTOM - DRIP BACK
	1030							BREAK CIRC 1/2 RIG & RESTATE PIPE
	1100	5.7	12				400	500 GAL MWD FLUSH
		S	20				300	20 bbl. MCL FLUSH
			42.5				300	42.5 bbl. STD EA-2 17550 DROP L.O. PLUG, WASH OUT PL
	1114	7.0	0				200	START DRIP 1/2 H2O
			53				200	" " 1/2 RIG AND
			68				300	CMT ON BOTTOM
			100				700	
			105				800	
	1130	4.5	110.3				1500	LAND PLUG
	1132							RELEASE, DROP DIV OPENING PART
	1145							OPEN DIV, 1/2 P.T., CIRC 1/2 RIG
	1335		7.5					PLUG RH 30, M H15
	1340	7.0	20				300	20 bbl. MCL FLUSH
		5	138				5	SMD CMT 255515 DROP DIV CLOSING PLUG
	1400	6.0	0				300	START DRIP
			25				400	CIRC CMT TO PIT! 50515
			50				500	
	1415	4.5	57.6				1400	LAND PLUG - CLOSED DIV. <i>DAVE B...</i> <i>...</i>
	1500							JOB COMPLETE THANK YOU! DAVE JASHB, LANE, JOAN

JOB LOG

SWIFT Services, Inc.

DATE 09.30.10 PAGE NO. 7

CUSTOMER GRAND MESA OPER. WELL NO. 1-4 LEASE HESS JOB TYPE ACIDIZING TREAT TICKET NO. 19040

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1525							ON LOCATION GONZALES SWABBLE PUMP 4275' TAG NONE PERFS 4218'-22' FIGHT 14' SPOT NONE 2 7/8 x 5 1/2 TREAT 4204' CS. 14' , 3332 Bbl TO 4204' 24,3416 Bbl TOTAL 24.67436 Bbl
	1612	2.5	11	✓		0		START PUMPING
	1621	18	22.5	✓		300		LOADED + STAGING
	1623	18.0	22.75	✓		400		STAGING
	1639		23	✓		500		"
	1654		23.25	✓		600		"
	1708		23.50			700		"
	1729		23.75			800		"
	1755		24.75			900		"
	1820		25.25			900		CLOSE IN 4 PRESSURE 1/2 Bbl IN RTN DOWN TICKETS JOB COMPLETED
	1835							THANK YOU DUSTY, WAYNE

JOB LOG

SWIFT Services, Inc.

DATE 7-5-10 PAGE NO. 7

CUSTOMER Grand Mesa WELL NO. #1-4 LEASE Hess JOB TYPE Acidize Perfs TICKET NO. 18125

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0915							on loc set up Trk
								2 3/4" x 5 1/2"
								RBP 4200
								Perfs 4185-90'
								PKR to spot 4195
								to treat 4170
								Release Plug
								Reset Plug & come off Plug
								Tag fluid
	0915	2.5	3.5			0		set pk to treat spot acid
								set pk to treat
	0930	3.5	3.5			0		cont. Acid
			6					shut down/take on flush
	0932	3.5	6			0		Start flush
		3.5	23			0		Shut down/off let lead on its own
	0938		24.5			0		Hole loaded
	0939	.5	24.6			100		pressure up
	0945					200		increase pressure
	0950					400		" " stage
	0955					600		" " "
	1000					700		" " "
	1005					800		" " "
	1015		25			900		" " "
	1055	1.2	25.5			900		feeding
	1057	1.5	26			200		Break back
	1058	1.5	26.5			200		increase rate
	1100	1.5	31			300		Acid Flushed
						250		151P
								Vacuum in 2 min
								Thank you
								Nick & Josh F.

COMPANY GRAND MESA OPERATING COMPANY
 WELL HESS NO. 1-4
 FIELD GAELAND TOWNSHIP
 COUNTY GOVE STATE KANSAS

LOCATION: 834' FNL and 356' FWL Elevations
 KB 2917
 DF
 GL 2912

Logging by: WEATHERFORD SEC. 4 TWP 14S RGE 31W

1. DIL-GR-SP-CAL 4. SONIC LOG
 2. CNCL-GR-PE-CAL
 3. MICRO LOG

Contractor MURFIN DRILLING COMPANY RIG 24
 Commenced 9-10-10 Completed 9-19-10
 RTD 4650 LTD 4647
 Surface Casing 8 5/8" 23# @ 220'

Production Casing 5 1/2" 15.5# @ 4645'

Drilling Time 3600-TD Samples 3800-TD

Daily Penetration Rate at 7 a.m.

Date	Depth	Activity	Date	Depth	Activity
9-10-10	MIRT				
9-11-10	2220	DRILLING			
9-12-10	2238	DRILLING			
9-13-10	3581	DRILLING			
9-14-10	4005	CAR FOR SAMPLES			
9-15-10	4165	DRILLING			
9-16-10	4230	DST NO.3			
9-17-10	4435	DRILLING			
9-18-10	4565	DRILLING			
9-19-10	4650	SET 5 1/2" CASING			

BIT RECORD

Make & Type	Serial No.	Nozzles	Depth In	Depth Out
HTC DP506F	7127986	15-15-15	220	3600
HTC G022C	5181750	15-15-15	3600	4650

REMARKS PIPE WAS SET TO FURTHER TEST THE LANSING ZONE.

*Respectfully Submitted,
Wanda M. Demetree*

Formation	Sample	Log	Datum	Formation	Sample	Log	Datum
ANHYDRITE	2400	2396	+521				
B/ANHYDRITE	2423	2419	+498				
HIEBNER	3928	3922	-1005				
TORONTO	3946	3940	-1023				
LANSING	3960	3964	-1047				
MUNCIE CREEK	4126	4119	-1202				
STARK	4213	4207	-1290				
HUSHPUCKNEY	4250	4244	-1327				
R/KANSAS CITY	4290	4283	-1366				
MARMATON	4316	4312	-1395				
PAWNEE	4387	4380	-1463				
FORT SCOTT	4412	4405	-1488				
CHEROKEE SHALE	4494	4488	-1571				
JOHNSON	4536	4530	-1613				
MORROW SHALE	4561	4552	-1635				
MORROW SAND	4568	4560	-1643				
MISSISSIPPI	4584	4579	-1661				
TOTAL DEPTH	4650	4647	-1730				