



KANSAS CORPORATION COMMISSION 1089550
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 # 33269
Name: Central Operating, Inc.
Address 1: 1600 BROADWAY STE 1050
Address 2: _____
City: DENVER State: CO Zip: 80202 + 4957
Contact Person: James R Gohl
Phone: (303) 894-9576
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Ed Glassman
Purchaser: NCRA

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 #: _____

<u>03/26/2012</u>	<u>04/01/2012</u>	<u>04/30/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26233-00-00

Spot Description: _____
W2_NE_NE_SW Sec. 1 Twp. 15 S. R. 19 East West
2310 Feet from North / South Line of Section
2260 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ellis

Lease Name: Fredd Haas Well #: 2

Field Name: Dechant

Producing Formation: Arbuckle

Elevation: Ground: 2101 Kelly Bushing: 2106

Total Depth: 3689 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 2114 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1302 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: 12000 ppm Fluid volume: 4000 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: Deanna Gombor Date: 08/30/2012



1089550

Operator Name: Central Operating, Inc. Lease Name: Fredd Haas Well #: 2
 Sec. 1 Twp. 15 S. R. 19 East West County: Ellis

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: Radiation Guard Log Micro Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1304</td> <td>802</td> </tr> <tr> <td>Base Anhydrite</td> <td>1347</td> <td>760</td> </tr> <tr> <td>Topeka</td> <td>3058</td> <td>-952</td> </tr> <tr> <td>Heebner</td> <td>3333</td> <td>-1227</td> </tr> <tr> <td>Lansing</td> <td>3380</td> <td>-1274</td> </tr> <tr> <td>Base Kansas City</td> <td>3621</td> <td>-1515</td> </tr> <tr> <td>Arbuckle</td> <td>3679</td> <td>-1573</td> </tr> </table>	Name	Top	Datum	Anhydrite	1304	802	Base Anhydrite	1347	760	Topeka	3058	-952	Heebner	3333	-1227	Lansing	3380	-1274	Base Kansas City	3621	-1515	Arbuckle	3679	-1573
Name	Top	Datum																							
Anhydrite	1304	802																							
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Lansing	3380	-1274																							
Base Kansas City	3621	-1515																							
Arbuckle	3679	-1573																							

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	12.5	8.625	23	220	common	150	3%cc
Production	7.875	5.5	14	3689	common	355	

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
4	3681.5-3687.5	250 gal. 15% MCA	

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3660</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05/30/2012</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>4</u>	Gas Mcf <u>50</u> 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3681.5-3687.5</u>
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.:

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 483

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-1-12	1	15	19	Ellis	Kansas		8:00am

Lease	Well No.	Location
Fred Haas	2	Antoine 1E 15 3W N10

Contractor	Owner
Marlin Drilling Rig 16	To Quality Oilwell Cementing, Inc.

Type Job *D.V. Bottom*
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	T.D.	Charge To
7 7/8	3691	Central Operating

Csg.	Depth	Street
5E 146	3690	

Tbg. Size	Depth	City	State

Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
D.V. #58	1302		

Cement Left in Csg.	Shoe Joint	Cement Amount Ordered
38.30	38.30	125 Common 109 Sulf

Mees Line	Displace	2 1/2" 416 Flo-Seal per st 500 Gal
	89 3/8" (B)	Common Mud Clean - 48 125 -

EQUIPMENT

Pumptrk	No.	Cementor	Helper	Common
5		Star		Mud Clean - 48 125 -
Bulktrk	No.	Driver		Poz. Mix
14		Star		
Bulktrk	No.	Driver		Gel.
		Star		3

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt 11
Centralizers	Flowseal 31#
Baskets	Koi-Seal
D/V or Port Collar	Mud CLR 48 500 gal
	CFL-117 or CD110 CAF 38
	Sand
	Handling 139
	Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer 6
Baskets 2
AFU Inserts
Float Shoe 1
Latch Down

D.V. Tool w/ latch down plug
 Pumptrk Charge *prod long string*
 Mileage *11*

(Bottom Stage)

Tax
Discount

Q.W.

QUALITY OILWELL CEMENTING, INC.

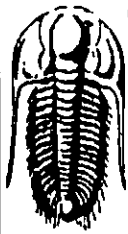
Federal Tax I.D.#

Phone 785-483-2025
Call 785-324-1041

Home Office P.O. Box 32 Russell, KS 67685

No. 305

Date	Sec.	Twp.	Range	County	State	On, Location	Finish
3-26-12	1	15	19	Ellis	KS		10:45 P.M.
Lease Fred Haag's	Well No. 2	Location Antonia NE 2200 15 1/2 W 4100					
Contractor <i>Murphy & Co</i>				Owner			
Type Job <i>Surface</i>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <i>12 1/4</i>	T.D. <i>220</i>			Charge To <i>Central Operating</i>			
Ceg. <i>8 5/8</i>	Depth <i>218</i>			Street			
Tbg. Size	Depth			City			
Tool	Depth			State			
Cement Left in Ceg. <i>15'</i>	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace <i>13 BCL</i>			Cement Amount Ordered <i>150 com 3 1/2 x 4 2 1/2 x 6 1</i>			
EQUIPMENT							
Pumptrk <i>15</i>	No. Cementer <i>1</i>	Helper <i>1</i>		Common <i>150</i>			
Bulktrk	No. Driver <i>1</i>	Driver <i>1</i>		Poz. Mix			
Bulktrk <i>8</i>	No. Driver <i>1</i>	Driver <i>1</i>		Gel. <i>3</i>			
JOB SERVICES & REMARKS				Calcium <i>5</i>			
Remarks:				Hulls			
Rat Hole				Salt			
Mouss Hole				Flowseal			
Centralizers				Kal Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<i>8 5/8 on bottom. Est. Circulation.</i>				Sand			
<i>Mix 150 com 3 1/2 x 4 2 1/2 x 6 1</i>				Handling <i>158</i>			
<i>Cement (last)</i>				Mileage			
FLOAT EQUIPMENT							
Guide Shoe							
Centralizer							
Baskets							
AFU inserts							
Float shoe							
Latch Down							
Pumptrk Charge <i>Surface</i>							
Mileage <i>11</i>							
				Tax			
				Discount			



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Central Operating Inc
1600 Broadway ste 1050
Denver CO 80202
ATTN: Ed Glassman

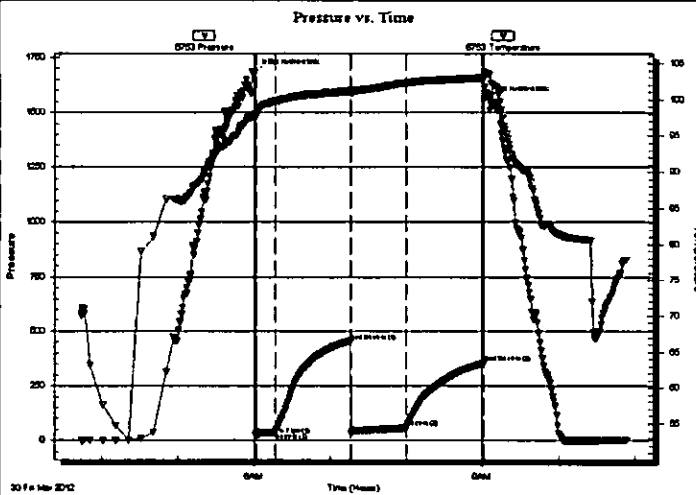
1 15s 19w Ellis
#2 Fredd Haas
Job Ticket: 46049 DST#: 1
Test Start: 2012.03.30 @ 03:44:00

GENERAL INFORMATION:

Formation: **Toronto-LKC "C"**
 Deviated: No Whipstock: 2106.00 ft (KB)
 Time Tool Opened: 06:01:00
 Time Test Ended: 10:53:30
 Interval: 3331.00 ft (KB) To 3420.00 ft (KB) (TVD)
 Total Depth: 3420.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 59
 Reference Elevations: 2106.00 ft (KB)
 2101.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6753 Outside
 Press@RunDepth: 56.59 psig @ 3332.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.30 End Date: 2012.03.30 Last Calib.: 2012.03.30
 Start Time: 03:44:05 End Time: 10:53:29 Time On Btm: 2012.03.30 @ 06:00:30
 Time Off Btm: 2012.03.30 @ 09:02:00

TEST COMMENT: 15-IFP- BOB in 8min
 60-ISIP- 1/2 Blow Died in 5min
 45-FFP- BOB in 1min
 60-FSP- 3/4 in Blow Died in 6min



PRESSURE SUMMARY

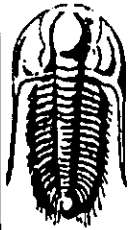
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.82	98.03	Initial Hydro-static
1	22.36	97.66	Open To Flow (1)
16	35.61	99.68	Shut-in(1)
76	451.19	101.22	End Shut-in(1)
76	32.35	100.90	Open To Flow (2)
120	56.59	102.28	Shut-in(2)
181	353.40	102.98	End Shut-in(2)
182	1556.26	103.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
102.00	GOCM 10%g 30%o 60%m	1.17
0.00	640 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Central Operating Inc
1600 Broadway ste 1050
Denver CO 80202
ATTN: Ed Glassman

1 15s 19w Ellis
#2 Fredd Haas
Job Ticket: 46049 **DST#: 1**
Test Start: 2012.03.30 @ 03:44:00

Mud and Cushion Information

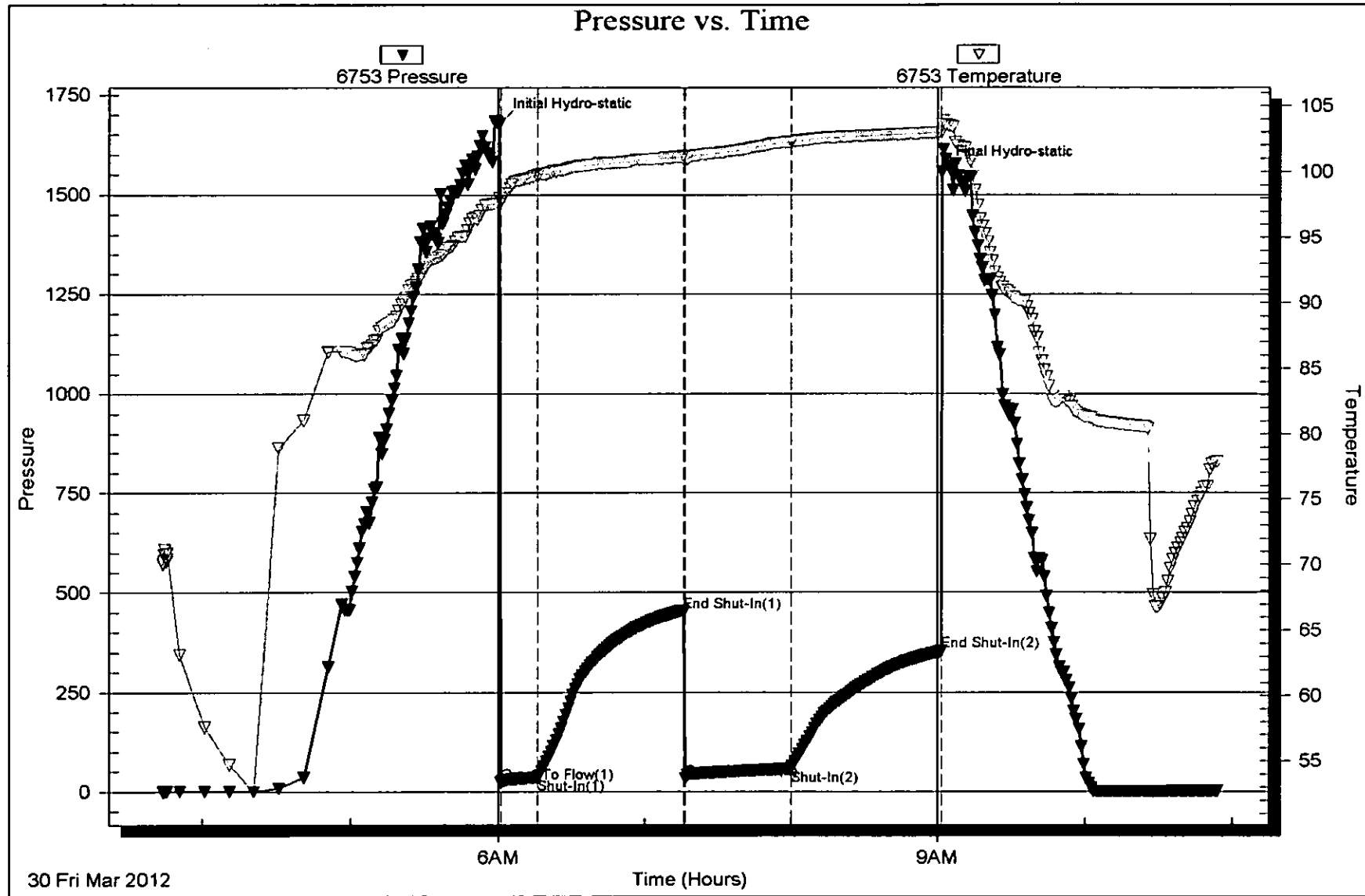
Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.58 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	inches				

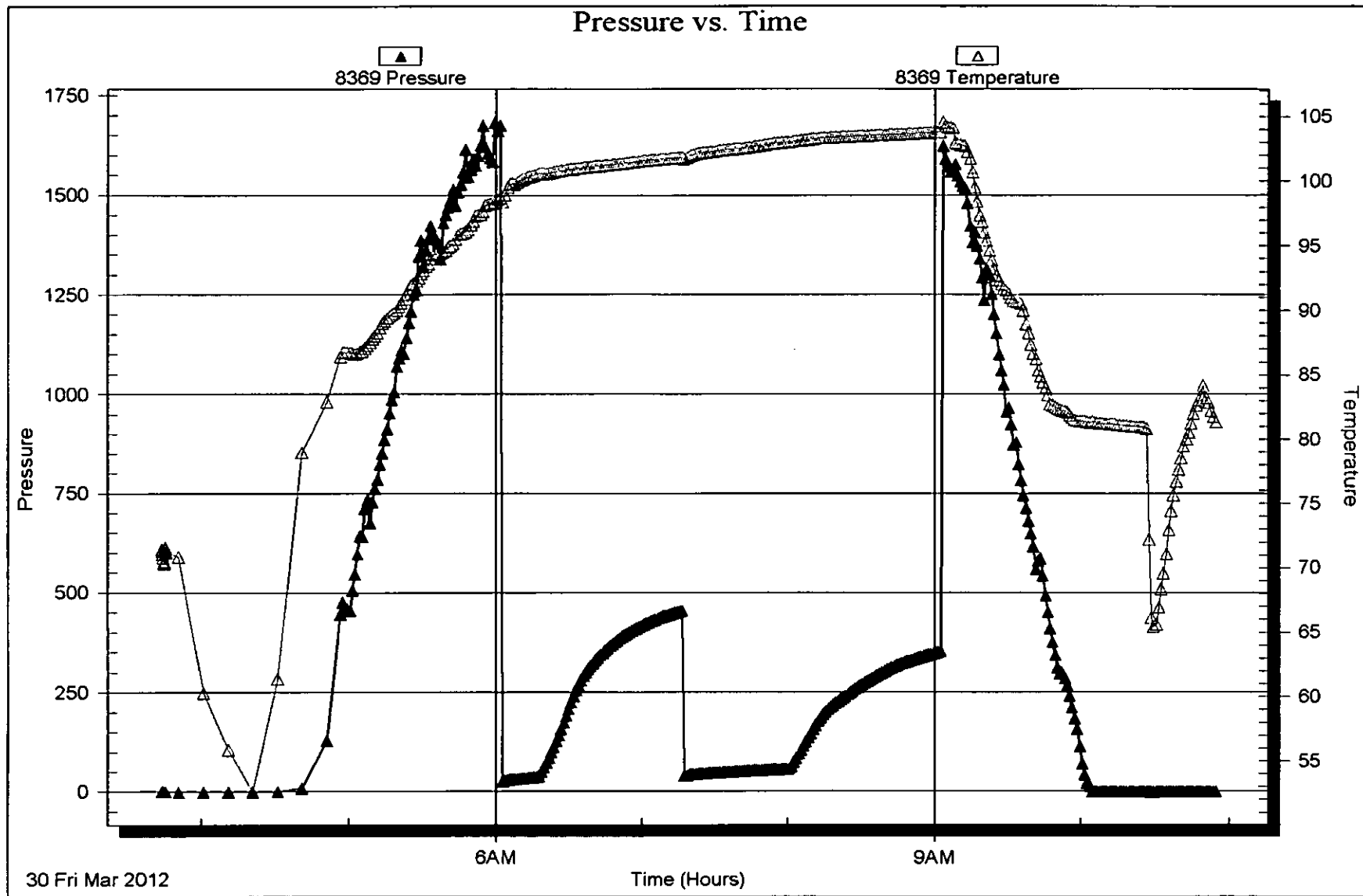
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
102.00	GOCM 10%g 30%o 60%m	1.167
0.00	640 GIP	0.000

Total Length: 102.00 ft Total Volume: 1.167 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Central Operating Inc
 1600 Broadway ste 1050
 Denver CO 80202
 ATTN: Ed Glassman

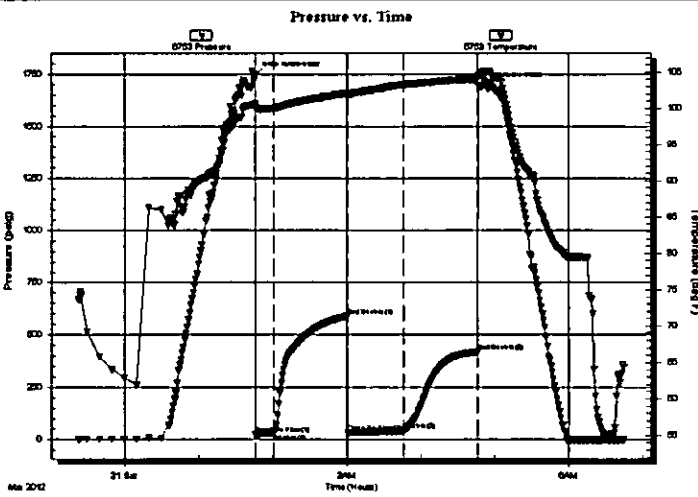
1 15s 19w Ellis
#2 Fredd Haas
 Job Ticket: 46050 **DST#: 2**
 Test Start: 2012.03.30 @ 23:23:00

GENERAL INFORMATION:

Formation: **LKC "H I J & K"**
 Deviated: No Whipstock: 2106.00 ft (KB)
 Time Tool Opened: 01:46:00
 Time Test Ended: 06:44:30
 Interval: **3494.00 ft (KB) To 3600.00 ft (KB) (TVD)**
 Total Depth: 3600.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 59
 Reference Elevations: 2106.00 ft (KB)
 2101.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6753 **Outside**
 Press@RunDepth: 41.18 psig @ 3495.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.30 End Date: 2012.03.31 Last Calib.: 2012.03.31
 Start Time: 23:23:05 End Time: 06:44:29 Time On Btm: 2012.03.31 @ 01:45:30
 Time Off Btm: 2012.03.31 @ 04:46:30

TEST COMMENT: 15-IFP- 2 1/2in Blow
 60-ISIP- No Blow
 45-FFP- Surface Blow in 2min
 60-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1746.84	100.55	Initial Hydro-static
1	22.45	100.06	Open To Flow (1)
15	31.52	99.98	Shut-in(1)
75	589.02	102.11	End Shut-in(1)
75	32.37	101.66	Open To Flow (2)
121	41.18	103.18	Shut-in(2)
181	416.58	104.05	End Shut-in(2)
181	1695.97	104.46	Final Hydro-static

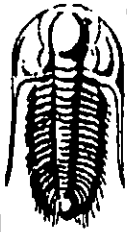
Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud 100%	0.58

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Central Operating Inc
1600 Broadway ste 1050
Denver CO 80202
ATTN: Ed Glassman

1 15s 19w Ellis
#2 Fredd Haas
Job Ticket: 46050 **DST#: 2**
Test Start: 2012.03.30 @ 23:23:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.56 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud 100%	0.577

Total Length: 60.00 ft Total Volume: 0.577 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

