



KANSAS CORPORATION COMMISSION 1112338
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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



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

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

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Production Drilling, Inc.
Well Name	Goosepit 1
Doc ID	1112338

All Electric Logs Run

Cement Bond Log
Dual Induction Log
Radiation Gaurd Log
Mircro Log

Form	ACO1 - Well Completion
Operator	Production Drilling, Inc.
Well Name	Goosepit 1
Doc ID	1112338

Tops

Name	Top	Datum
Anhydrite	1418	512
Topeka	2891	-953
Heebner	3092	-1158
Toronto	3118	-1180
Lansing-KC	3134	-1201
Base-KC	3354	-1422
Arbuckle	3440	-1494
RTD	3450	
LTD	3445	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6537

Date	9-10-12	Sec.	13	Twp.	7	Range	19	County	Rooks	State	KS	On Location		Finish	1:00 PM				
Location								Stackton W to 12rd 1/2 V E into											
Lease	GOOSE PIT		Well No.		1		Owner												
Contractor	Discovery #1		Type Job		TOP Stage		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	7 7/8		T.D.		3450		Charge To		Production Drilling										
Csg.	5 1/2		Depth		3448		Street												
Tbg. Size			Depth				City		State										
Tool	DV Tool		Depth		1421		The above was done to satisfaction and supervision of owner agent or contractor												
Cement Left in Csg.			Shoe Joint				Cement Amount Ordered		275 on QMC 1/4 # FLO										
Meas Line			Displace		33 3/4 BCL														
EQUIPMENT													Common			275			
Pumptrk	16	No.	Cementar	Craig		Helper			Poz. Mix										
Bulktrk		No.	Driver	Travis		Driver			Gel.										
Bulktrk	12	No.	Driver	Matt		Driver			Calcium										
JOB SERVICES & REMARKS													Hulls						
Remarks:													Salt						
Rat Hole 30SK													Flowseal 70 #						
Mouse Hole 15SK													Kol-Seal						
Centralizers													Mud CLR 48						
Baskets													CFL-117 or CD110 CAF 38						
D/V or Port Collar													Sand						
DV Tool @ 1421													Handling 275						
Plug Rathole mouse hole													Mileage						
Cement Top stage with 230SK													FLOAT EQUIPMENT						
Displace Plug													Guide Shoe						
Cement - Circulated													Centralizer						
Plug landed 1500# H&W													Baskets						
Release Pressure Day													AFU Inserts						
													Float Shoe						
													Latch Down						
													Pumptrk Charge			prod Long Stm			
													Mileage			N/C			
													Tax						
													Discount						
Signature													Total Charge						

Top Stage

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 6536

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-9-12	13	7	19	Reeks	KS		11:30 p.m.

Location Stockton W to 12R2 1/2 V E into

Lease <u>GOOSE PIT</u>	Well No. /	Owner
Contractor <u>D. Scam/ #1</u>		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
Type Job <u>Drill</u>		Charge To <u>Production Drilling</u>
Hole Size <u>2 7/8</u>	Depth <u>3450</u>	Street
Csg. <u>5/2</u>	Depth <u>3448</u>	City
Tbg. Size	Depth	State
Tool <u>Drill</u>	Depth <u>1421</u>	The above was done to satisfaction and supervision of owner agent or contract
Cement Length <u>18'</u>	Shoe Joint <u>18'</u>	Cement Amount Ordered <u>1500 com 100% Salt</u>

Meas Line	Displace	500 gal WFR-2 <u>100% KCL</u>
EQUIPMENT		Common <u>150</u>
Pumptrk <u>16</u> No.	Cementor Helper <u>Craig</u>	Poz. Mix
Bulktrk <u>12</u> No.	Driver <u>Travis</u>	Gel.
Bulktrk <u>14</u> No.	Driver <u>Cody</u>	Calcium

JOB SERVICES & REMARKS		Hulls <u>KCL 2 gal</u>
Remarks:		Salt <u>13</u>
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48 <u>500 gal</u>
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
<u>5/2 @ 3448 Insert @ 3430.</u>		Handling <u>163</u>
<u>Est Circulation Pump - 500 gal Mud clear</u>		Mileage

<u>4 10BL KCL Cement, 5/2 with 150% K</u>		FLOAT EQUIPMENT
<u>Clear lines Displace Plug. Plug (and re)</u>		Guide Shoe
<u>1500# Held. Release Pressure Dr.</u>		Centralizer <u>7 Turbolizers</u>
		Baskets <u>3</u>
		AFU Inserts
		Float Shoe <u>1</u>
		Latch Down <u>1 DV Tool</u>

		<u>Bottom Stage</u>
	Pumptrk Charge	<u>prod long string</u>
	Mileage <u>45</u>	
	Tax	
	Discount	
	Total Charge	

X
Signature

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 5045

Date	9-4-12	Sec.	13	Twp.	7	Range	19	County	Rooks	State	Ks	On Location		Finish	5:30 AM	
Lease	Goose pit	Well No.	1	Location	Stockton, Ks - W to Rd 12, 1 1/4 N											
Contractor	Discovery #1							Owner	E/Intro							
Type Job	Surface							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	12 1/4"		T.D.	218'		Charge To Production Drilling										
Csg.	8 5/8"		Depth	217'		Street										
Tbg. Size			Depth			City										
Tool			Depth			State										
Cement Left in Csg.	15'		Shoe Joint	15'		The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line			Displace	12 3/4 BLS		Cement Amount Ordered 150 sx Common 3 1/2 CC										

EQUIPMENT

Pumptrk	16	No.	Cementer	Travis	2 1/2 Gel
			Helper		Common 150
Bulktrk	13	No.	Driver	Levy	Poz. Mix
			Driver		Gel. 3
Bulktrk	p.u.	No.	Driver	Rick	Calcium 5
			Driver		

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate	Hulls
Rat Hole		Salt
Mouse Hole		Flowseal 158
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
		Sand
		Handling
		Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	45

	Tax
	Discount
	Total Charge

X Signature *[Handwritten Signature]*



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Production Drilling Inc

13-7s-19w Rooks,KS

1023 Reservation RD
Hays, KS 67601-3982

Goose Pit #1

Job Ticket: 48539

DST#: 1

ATTN: Marty Patterson

Test Start: 2012.09.07 @ 23:24:27

GENERAL INFORMATION:

Formation: LKC E-F

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:59:27

Time Test Ended: 04:48:57

Interval: 3200.00 ft (KB) To 3225.00 ft (KB) (TVD)

Total Depth: 3225.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Reference Elevations: 1941.00 ft (KB)

1933.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8321

Inside

Press@RunDepth: 53.12 psig @ 3202.00 ft (KB)

Start Date: 2012.09.07

End Date:

2012.09.08

Capacity: 8000.00 psig

Last Calib.: 2012.09.08

Start Time: 23:24:28

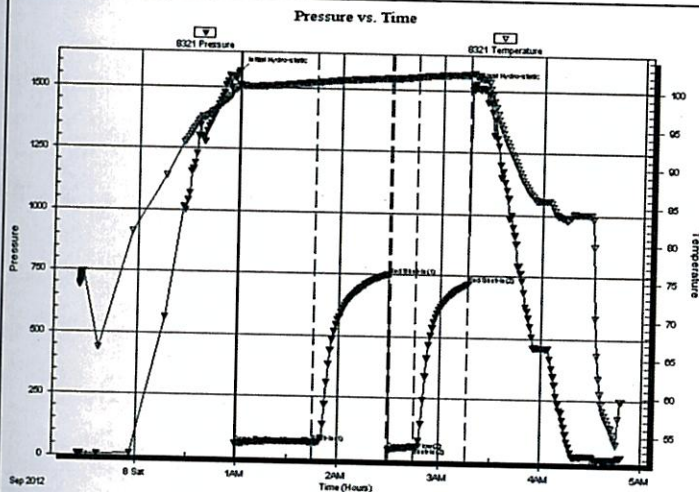
End Time:

04:47:57

Time On Btm: 2012.09.08 @ 00:58:57

Time Off Btm: 2012.09.08 @ 03:17:27

TEST COMMENT: IFP-Weak blow built to 1 1/4"
ISI-Dead no blow back
FFP-Dead no blow
FSI-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1567.27	100.54	Initial Hydro-static
1	56.28	100.30	Open To Flow (1)
46	67.08	100.92	Shut-In(1)
90	749.35	101.62	End Shut-In(1)
91	42.70	101.50	Open To Flow (2)
106	53.12	101.82	Shut-In(2)
137	715.29	102.24	End Shut-In(2)
139	1518.40	102.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud with oil spots	0.05

Gas Rates

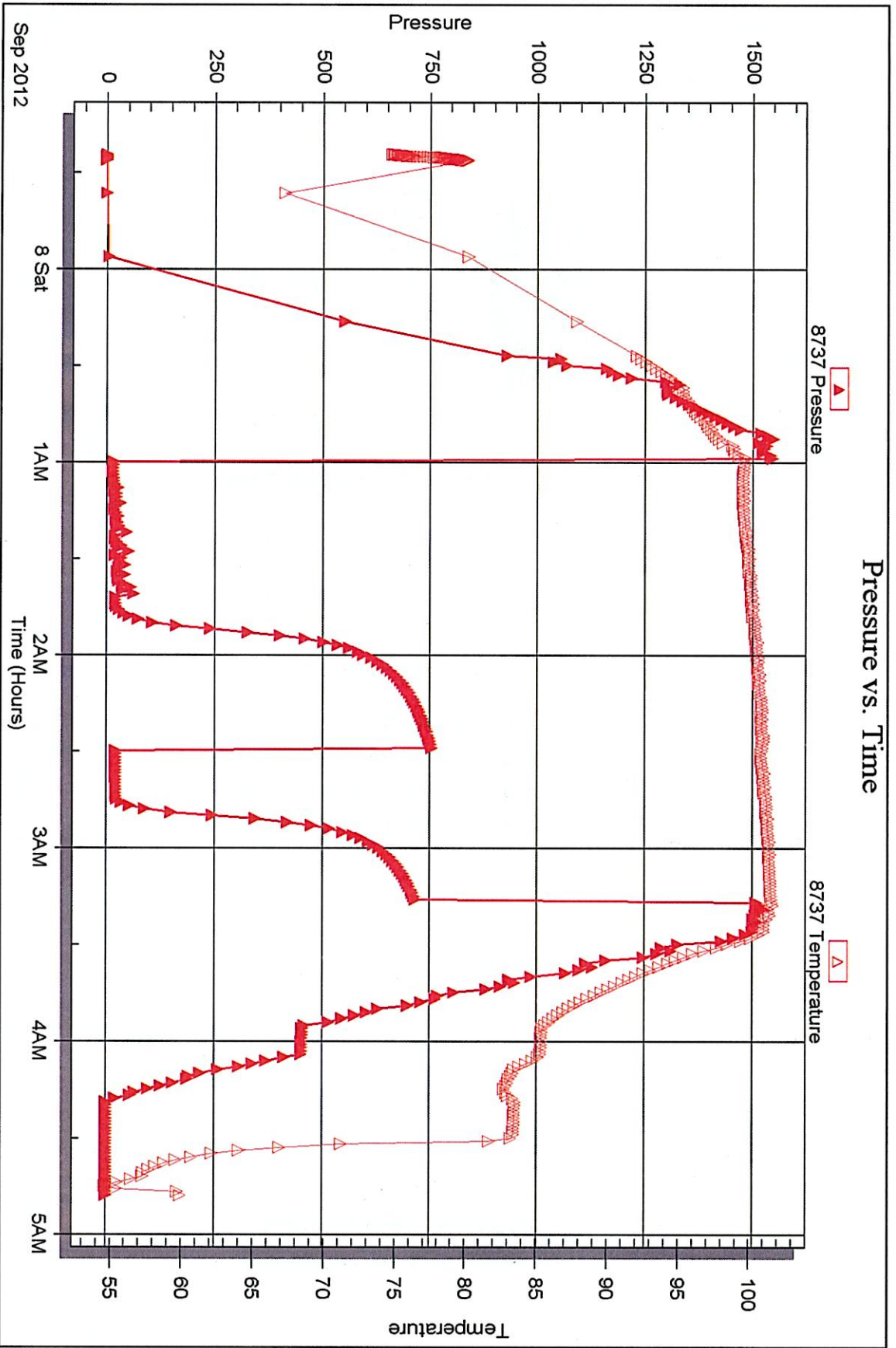
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8737

Outside Production Drilling Inc

Goose Fl #1

DST Test Number: 1





DRILL STEM TEST REPORT

Production Drilling Inc
 1023 Reservation RD
 Hays, KS 67601-3982
 ATTN: Marty Patterson

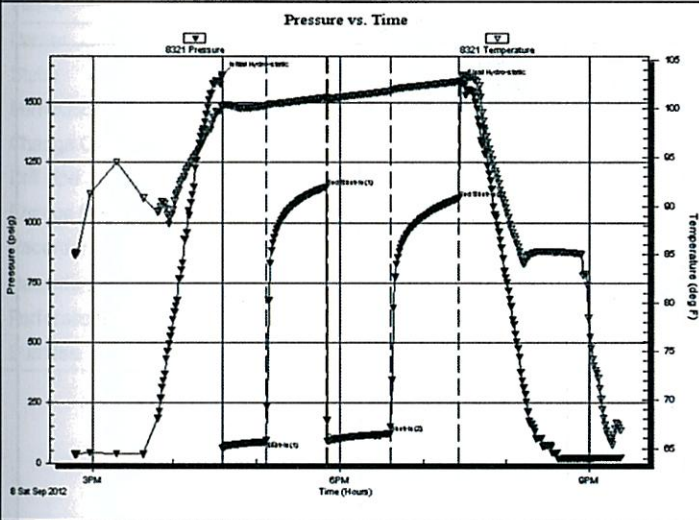
13-7s-19w Rooks,KS
Goose Pit #1
 Job Ticket: 48541 DST#: 2
 Test Start: 2012.09.08 @ 14:46:11

GENERAL INFORMATION:

Formation: **LKC-H-I**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:35:41 Tester: Jeff Brown
 Time Test Ended: 21:24:11 Unit No: 44
 Interval: 3268.00 ft (KB) To 3315.00 ft (KB) (TVD) Reference Elevations: 1941.00 ft (KB)
 Total Depth: 3315.00 ft (KB) (TVD) 1933.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8321 Inside
 Press@RunDepth: 122.19 psig @ 3302.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08
 Start Time: 14:46:12 End Time: 21:23:11 Time On Btm: 2012.09.08 @ 16:35:11
 Time Off Btm: 2012.09.08 @ 19:26:41

TEST COMMENT: IFP-Good blow BOB in 11 1/2 min
 IS-Weak surface blow back built to 1 in died back to 1/2"
 FFP-Good blow BOB in 16 min
 FSI-Weak surface blow back built to 2 1/2"



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.37	100.29	Initial Hydro-static
1	60.55	100.28	Open To Flow (1)
32	92.48	100.27	Shut-In(1)
75	1147.95	101.17	End Shut-In(1)
76	91.49	101.02	Open To Flow (2)
121	122.19	101.82	Shut-In(2)
171	1101.60	102.81	End Shut-In(2)
172	1578.40	102.90	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
63.00	HOCGM 10%G 25%O 65%M	0.61
141.00	Gassy Oil 25%G 75%O	1.98
0.00	346-GIP	0.00

* Recovery from multiple tests

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

Serial #: 8321

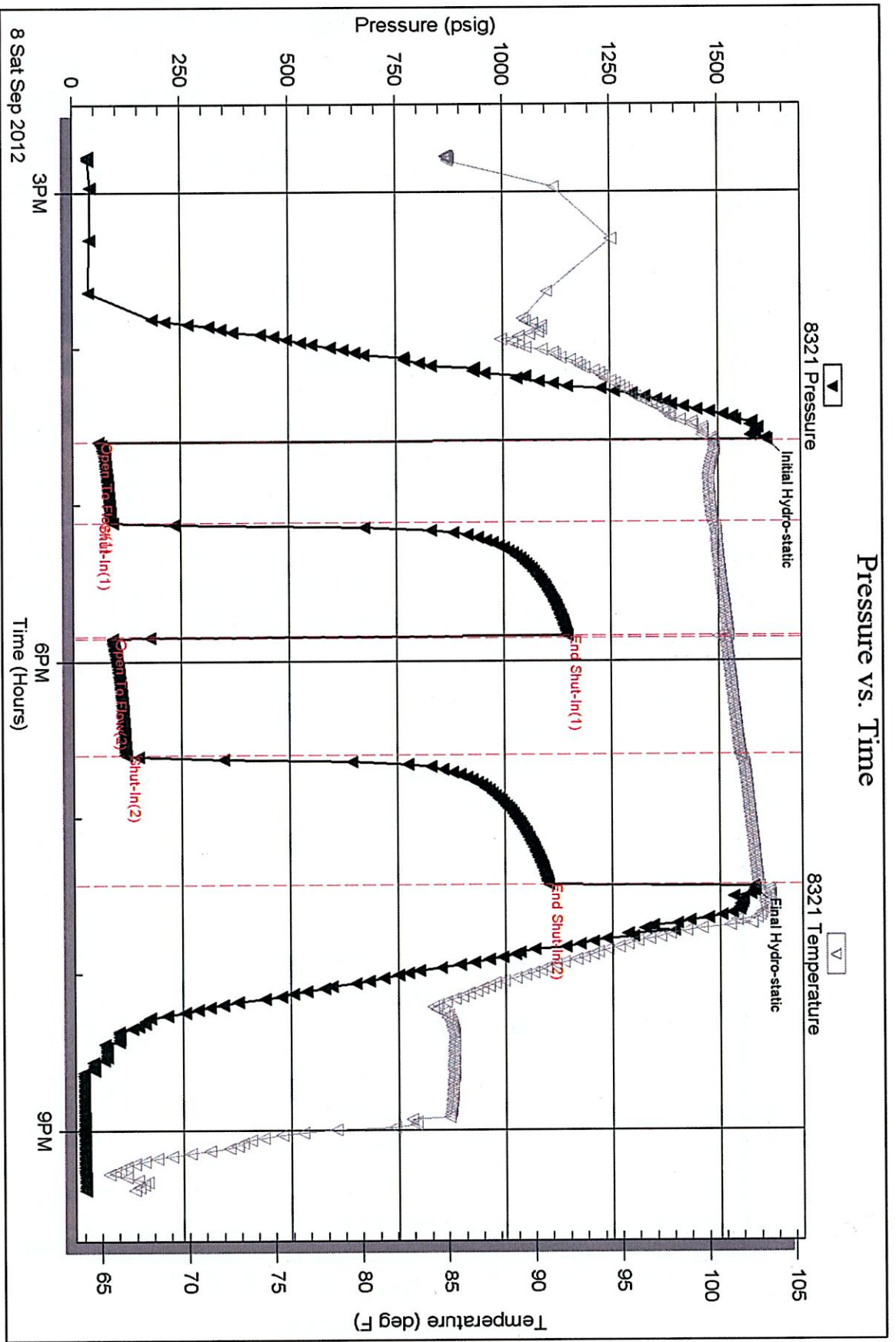
Inside

Production Drilling Inc

Goose Pit #1

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 48541

Printed: 2012.09.12 @ 10:01:07