KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1082634

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 # 6768
Name: Carrie Exploration & Development, a General Partnership
Address 1: 210 W 22ND
Address 2:
City: HAYS State: KS Zip: 67601 + ____
Contact Person: RON HEROLD
Phone: (913) 961-2760
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: HERB DEINES
Purchaser: NATIONAL COOPERATIVE REFINERY ASSOCIATION

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [x] 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 #:

01/09/2012	01/15/2012	01/24/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25648-00-00
Spot Description:
__ - N2 - N2 - SW Sec. 36 Twp. 19 S. R. 11 [ ] East [x] West
2310 Feet from [ ] North / [x] South Line of Section
1320 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Barton
Lease Name: KAY Well #: C-1
Field Name: CHASE SILICA
Producing Formation: ARBUCKLE
Elevation: Ground: 1763 Kelly Bushing: 1773
Total Depth: 3400 Plug Back Total Depth: 3370
Amount of Surface Pipe Set and Cemented at: 261 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 1668 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: 60000 ppm Fluid volume: 500 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: BOB'S OIL SERVICE
Lease Name: SIEKER License #: 32408
Quarter NW Sec. 35 Twp. 19 S. R. 11 [ ] East [x] West
County: BARTON Permit #: D26497

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:
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [x] I [ ] II [ ] III Approved by: Deanna Garrison Date: 06/11/2012

Side Two

1082634

Operator Name: Carrie Exploration & Development, a General Partnership Lease Name: KAY Well #: C-1

Sec. 36 Twp. 19 S. R. 11 ☐ East ☑ West County: Barton

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

DUAL INDUCTION LOG
DUAL COMPENSATED POROSITY LOG
MICRORESISTIVITYLOG

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
TOPEKA	2610	-837
HEEBNER SHALE	2870	-1097
LKC	3015	-1242
BKC	3269	-1496
ARBUCKLE	3281	-1508
RTD	3400	-1627

CASING RECORD ☑ New ☐ 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	24	261	COMMON	200	2%GEL, 3%CC
PRODUCTION	7.825	5.5	14	3398	EA2	145	10%SALT

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
✓ Perforate	0-1668	65/35 POZ	500	6%GEL
___ 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 *(Amount and Kind of Material Used)*	Depth
2	3283.5-3284		

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2.375	3391	NONE	☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
01/25/2012	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10	0	100		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
3283.5-3284

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

ALLIED
OIL & GAS SERVICES, LLC

PO Box 31
Russell, KS 67665

Voice: (817) 546-7282
Fax: (817) 246-3361

Charged

Pd CK# 3004 1-27-12

INVOICE

Invoice Number: 129889
Invoice Date: Jan 9, 2012
Page: 1

Bill To:

Carrie Exploration & Development LLC
210 West 22nd Street
Hays, KS 67601

Customer ID	Well Name# or Customer P.O.	Payment Terms
Carrie	Kay #C-1	Net 30 Days
Job Location	**Camp Location**	**Service Date** / **Due Date**
KS2-01	Great Bend	Jan 9, 2012 / 2/8/12

Quantity	Item	Description	Unit Price	Amount
200.00	MAT	Class A Common	16.25	3,250.00
4.00	MAT	Gel	21.25	85.00
7.00	MAT	Chloride	58.20	407.40
211.00	SER	Handling	2.25	474.75
10.00	SER	Mileage	23.21	232.10
1.00	SER	Surface	1,125.00	1,125.00
10.00	SER	Heavy Vehicle Mileage	7.00	70.00
10.00	SER	Light Vehicle Mileage	4.00	40.00
1.00	EQP	8 5/8 Wooden Plug	94.00	94.00
1.00	EQUIP OPER	Bobby Roller		
1.00	OPER ASSIST	Dustin Chambers		
1.00	OPER ASSIST	Vince Pack		
1.00	OPER ASSIST	Kevin Weighous		

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

[redacted]

ONLY IF PAID ON OR BEFORE

[redacted]

Subtotal	5,778.25
Sales Tax	280.06
Total Invoice Amount	~~6,058.31~~
Payment/Credit Applied	
TOTAL	[redacted]

1258.28

4800.02

ALLIED CEMENTING CO., LLC. 042358

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

SERVICE POINT:
Great Bend Ks
1-12-12

DATE 1-9-12	SEC. 36	TWP. 19	RANGE 11	CALLED OUT	ON LOCATION	JOB START 145am	JOB FINISH 245am
LEASE Kay	WELL # C-1		LOCATION Ellinwood Ks Easton 56			COUNTY Barton	STATE Ks
OLD OR NEW (Circle one)			4 miles to Rd 150 3/4 a East				

CONTRACTOR Carrie Exploration Southwind Rig #6
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 265
CASING SIZE 8 5/8 20# DEPTH 260
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 265
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15 Ft
PERFS.
DISPLACEMENT Freshwater

OWNER Carrie Exploration

EQUIPMENT

PUMP TRUCK CEMENTER Bob R.
366 HELPER Dustin C.
BULK TRUCK
344-179 DRIVER Vince P / Kevin W.
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 200sx Com 3% cc. 2% gel

COMMON	200	@ 16.25	3250.00
POZMIX		@	
GEL	4	@ 21.25	85.00
CHLORIDE	7	@ 58.20	407.40
ASC		@	
HANDLING	211	@ 2.25	474.75
MILEAGE	211 x 10 x .11		232.10
		TOTAL	4449.25

REMARKS:

Pipe on bottom break circulation with rig mud, Mix 200sx Com 3% cc 2% gel Shut down release plug and displace with freshwater and shut in. Cement did Circulate

SERVICE

DEPTH OF JOB	260		
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE		@	
MILEAGE	Hum 10	@ 7.00	70.00
MANIFOLD		@	
	Lum 10	@ 4.00	40.00
		@	
		TOTAL	1235.00

CHARGE TO: Carrie Exploration
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

wood plug		@ 94.00	94.00
		@	
		@	
		@	
		@	
		TOTAL	94.00

SALES TAX (If Any)
TOTAL CHARGES 5.758.25
DISCOUNT 50% 209 1 258.58 IF PAID IN 30 DAYS
4519.97

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 J. Wesley Pfaff
SIGNATURE

SWIFT Services, Inc.
P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

Invoice

DATE	INVOICE #
1/15/2012	21206

BILL TO

Carrie Exploration & Development
210 West 22nd Street
Hays, KS 67601

Charged

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Kay C-1	Barton	SouthWind Drilling	Oil	Development	LongString	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	6.00	420.00
578D-L	Pump Charge - Long String - 3400 Feet	1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)	5	Gallon(s)	25.00	125.00T
280	Flocheck 21	330	Gallon(s)	2.50	825.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer	7	Each	70.00	490.00T
403-5	5 1/2" Cement Basket	2	Each	250.00	500.00T
404-5	5 1/2" Port Collar	1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	350.00	350.00T
419-5	5 1/2" Rotating Head Rental	1	Each	200.00	200.00T
325	Standard Cement	175	Sacks	13.50	2,362.50T
276	Flocele	50	Lb(s)	2.00	100.00T
283	Salt	900	Lb(s)	0.20	180.00T
284	Calseal	8	Sack(s)	35.00	280.00T
286	Halad-1 (Halad 9)	100	Lb(s)	7.50	750.00T
581D	Service Charge Cement	175	Sacks	2.00	350.00
583D	Drayage	640.5	Ton Miles	1.00	640.50
	Subtotal				11,793.00
	Sales Tax Barton County			7.30%	648.42

pd 1-30-12 # 3019

Thank You For Your Business In 2011!
We Look Forward To Serving You In 2012!

Total $12,441.42

JOB LOG

SWIFT Services, Inc.

DATE 1-15-12 | PAGE NO. 1

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Carrie Exploration	C #1	Kay	Longstring	21206

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	2300							on loc w/FE
								RTD 3400' LTD 3399'
								5½" x 14# x 3396' x 42'
								Cent 1-6, 52
								Bask 3, 53
								P.C. 53 @ ~~1700'~~ 1668'
	0230							Start FE
	0445							Break Circ.
	0820	2.5	7/5					Plug RH ~~MH~~ 30/~~50~~ sks EA-2
	0825	5	0				200	Start KCL flush 10 bbl
		5	10/0				200	Start 330 gal Flocheck 21
		5	8/0				200	start 10 bbl KCL flush
		6	10/0				250	Start Cement ~~145~~ sks EA-2
	0537		~~35~~					End Cement
								wash P/L
								Drop LD Plug
	0540	6	0				200	Start Displacement
	0551	5	57				250	Catch Cement
	0555		82				600/1200	Land Plug
								Release Pressure
								Float Held
								Thank you
								Nick, Josh & Dave

COPELAND
Acid & Cement

POST OFFICE BOX 438
HAYSVILLE, KS 67060
(316) 524-1225
(316) 524-1027 FAX

BURRTON, KS (620) 463-5161 FAX (620) 463-2104
GREAT BEND, KS (620) 793-3366 FAX (620) 793-3536

Invoice

INVOICE NUMBER:
C38819-IN

BILL TO:
CARRIE EXPLORATION & DEV.
210 WEST 22ND STREET
HAYS, KS 67601

Charged

LEASE: [redacted]

pd CK#2930
1-27-12

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS
01/26/2012	C38819		01/20/2012		NET 30

QUANTITY	U/M	ITEM NO./DESCRIPTION	D/C	PRICE	EXTENSION
20.00	MI	CEMENT MILEAGE PUMP TRUCK	0.00	4.00	80.00
20.00	MI	CEMENT MILEAGE PU TRUCK	0.00	2.00	40.00
1.00	EA	CEMENT PUMP CHARGE	0.00	950.00	950.00
500.00	SAX	65-35 POZ MIX 2% GEL	0.00	9.25	4,625.00
18.00	SAX	4% ADDITIONAL GEL	0.00	20.00	360.00
518.00	EA	BULK CHARGE	0.00	1.25	647.50
458.00	MI	BULK TRUCK - TON MILES	0.00	1.10	503.80

REMIT TO:
P.O BOX 438
HAYSVILLE, KS 67060

RECEIVED BY

COP

FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.

NET 30 DAYS

Net Invoice:	7,206.30
BATCO Sales Tax:	69.35
Invoice Total:	7,275.65

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

COPELAND
Acid & Cement

TREATMENT REPORT

Acid Stage No. .....

Date 1/20/12 District G.B. F. O. No. C38819
Company Cowie Exploration
Well Name & No. Kay C-1
Location ..... Field .....
County Denton State TX

Casing: Size 5½" Type & Wt. ..... Set at ..... ft.
Formation: ..... Perf. ..... to .....
Formation ..... Perf. ..... to .....
Formation: ..... Perf. ..... to .....
Liner: Size - Type & Wt. ..... Top at ..... ft. Bottom at ..... ft.
Cemented: Yes/No. Perforated from ..... ft. to ..... ft.
Tubing: Size & Wt. 2⅞" Swung at ..... ft.
Perforated from ..... ft. to ..... ft.

Open Hole Size ..... T.D. ..... ft. P.B. to ..... ft.

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Bkdown	Bbl. /Gal.			
	Bbl. /Gal.			
	Bbl. /Gal.			
	Bbl. /Gal.			
Flush	Bbl. /Gal.			
Treated from	ft. to	ft.	No. ft.	
from	ft. to	ft.	No. ft.	
from	ft. to	ft.	No. ft.	

Actual Volume of Oil/Water to Load Hole: ..... Bbl. /Gal.

Pump Trucks. No. Used: Std. 360 Sp. ..... Twin .....
Auxiliary Equipment 317 | 310
Packer: ..... Set at ..... ft.
Auxiliary Tools .....
Plugging or Sealing Materials: Type ..... Gals. ..... lb.

Company Representative Ron H. Treater Nathan W.

TIME a.m./p.m.	PRESSURES Tubing	PRESSURES Casing	Total Fluid Pumped	REMARKS
9:00	2⅞"	5½"		On Location
				Port Collar @ 1,710'.
				Press. up to 500# Open Port-Collar. Break circulation w/ water.
				Mix 500 sks. 65/35 poz. 6% gel.
				Displace w/ 8 bbls. Shut Port-collar.
				Pressure test to 1,500# Held.
11:30				Run 5 jts. Reverse out w/ 20 bbls.
				Thank You!
				Nathan W.

DRILL STEM TEST REPORT

Carrie Exploration+Development

210 West 22ND Street Hays,67601

ATTN: Herb Deines

36/19S/11W Barton Co.

Kay C-1

Job Ticket: 18865 **DST#: 1**

Test Start: 2012.01.13 @ 10:51:00

GENERAL INFORMATION:

Formation: **Lansing " A-B " Zone**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:05:53
Time Test Ended: 15:55:53

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/38

Interval: **3000.00 ft (KB) To 3050.00 ft (KB) (TVD)**
Total Depth: 3050.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

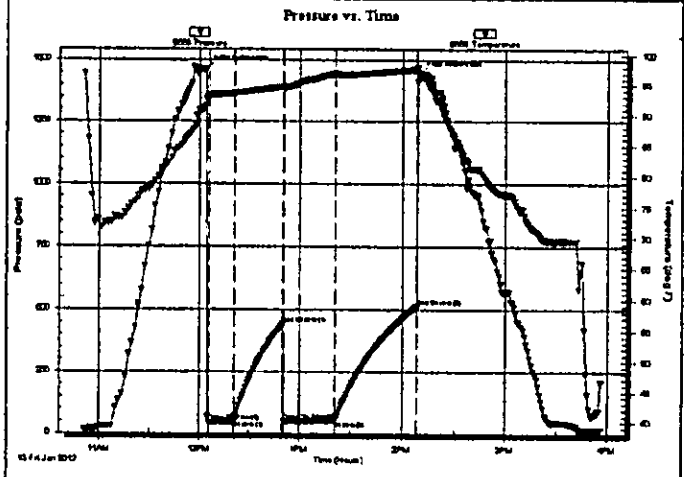
Reference Elevations: 1773.00 ft (KB)
1763.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6666 **Outside**

Press@RunDepth: 50.56 psia @ 3046.73 ft (KB)
Start Date: 2012.01.13 End Date: 2012.01.13
Start Time: 10:51:00 End Time: 15:55:53

Capacity: 5000.00 psia
Last Calib.: 2012.01.13
Time On Btm: 2012.01.13 @ 12:04:23
Time Off Btm: 2012.01.13 @ 14:09:53

TEST COMMENT: 1ST Opening 15 Minutes strong blow/blow blew to bottom of bucket in 2 minutes
1ST Shut-In 30 Minutes yes blow back/surface
2ND Opening 30 Minutes very strong blow/blow blew to bottom of bucket instantly
2ND Shut-In 45 Minutes yes blow back/surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1465.66	92.55	Initial Hydro-static
2	46.36	93.12	Open To Flow (1)
17	48.65	93.52	Shut-In(1)
46	441.19	94.65	End Shut-In(1)
47	50.29	94.53	Open To Flow (2)
77	50.56	96.89	Shut-In(2)
124	512.78	97.68	End Shut-In(2)
126	1447.88	96.50	Final Hydro-static

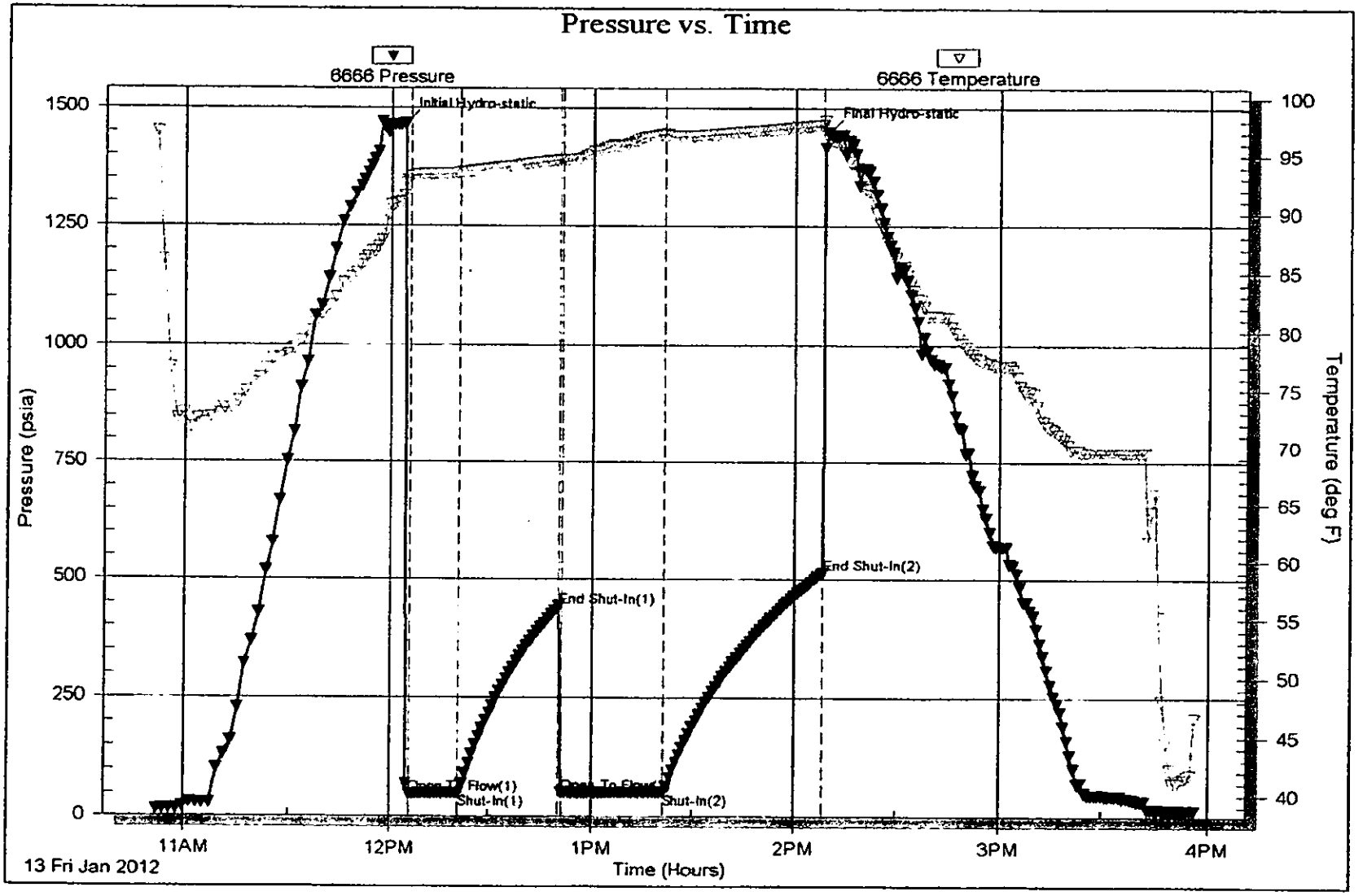
Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.28
0.00	630' Gas in the pipe	0.00

Gas Rates

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

Serial #: 6666 Outside Carrie Exploration+Development Kay C-1 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 18865 Printed: 2012.01.13 @ 14:11:02

DRILL STEM TEST REPORT

Carrie Exploration+Development

210 West 22ND Street Hays,67601

ATTN: Herb Deines

36/19S/11W Barton Co.

Kay C-1

Job Ticket: 18866 **DST#: 2**

Test Start: 2012.01.13 @ 11:41:00

GENERAL INFORMATION:

Formation: **Lansing " C,D,E,F" Z**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:34:30
Time Test Ended: 18:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/38

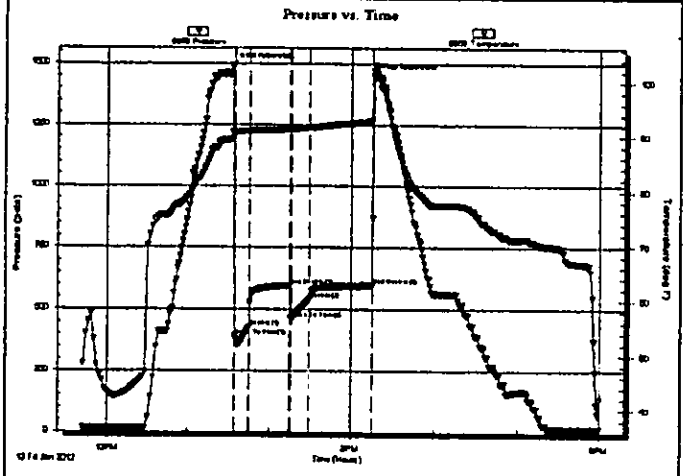
Interval: 3054.00 ft (KB) To 3094.00 ft (KB) (TVD)
Total Depth: 3094.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1773.00 ft (KB)
1763.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6666 **Outside**
Press@RunDepth: 537.03 psia @ 3091.00 ft (KB)
Start Date: 2012.01.13 End Date: 2012.01.14
Start Time: 11:41:00 End Time: 18:00:00

Capacity: 5000.00 psia
Last Calib.: 2012.01.14
Time On Btm: 2012.01.13 @ 13:32:30
Time Off Btm: 2012.01.13 @ 15:16:30

TEST COMMENT:
1ST Opening 10 Minutes very very strong blow /blow blew to bottom of bucket in 10 seconds
1ST Shut-In 30 Minutes yes building blow back/ 8 inches
2ND Opening 10 Minutes very very strong blow /blow blew to bottom of bucket instantly
2ND Shut-In 30 Minutes yes building blow back/bottom of bucket



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1491.09	89.56	Initial Hydro-static
2	391.45	90.89	Open To Flow (1)
13	426.83	91.02	Shut-In(1)
42	594.25	91.37	End Shut-In(1)
44	460.50	91.37	Open To Flow (2)
57	537.03	91.67	Shut-In(2)
103	595.39	93.01	End Shut-In(2)
104	1447.35	102.04	Final Hydro-static

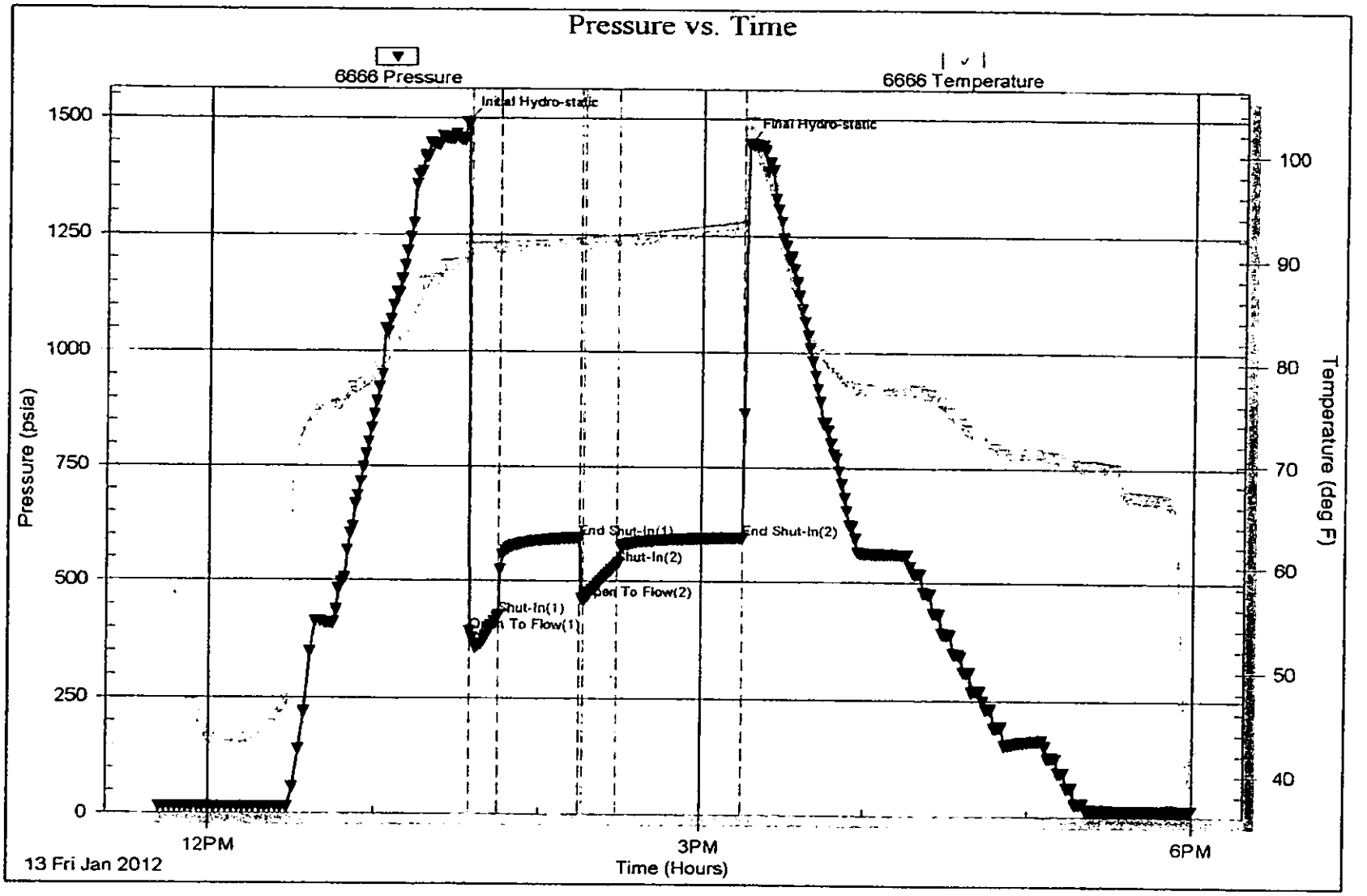
Recovery

Length (ft)	Description	Volume (bbl)
1260.00	Muddy Water/50%Mud 50%Water	17.67
0.00	189' Gas in the pipe	0.00
0.00	Resistivity was .40 @ 58 degrees	0.00
0.00	Chlorides were 56,000.0	0.00

Gas Rates

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

Serial #: 6666 Outside Carrie Exploration+Development Kay C-1 DST Test Number: 2



Superior Testers Enterprises LLC Ref No: 18866 Printed: 2012.01.14 @ 04:14:28

DRILL STEM TEST REPORT

Carrie Exploration+Development

210 West 22ND Street Hays,67601

ATTN: Herb Deines

36/19S/11W Barton Co.

Kay C-1

Job Ticket: 18867 **DST#: 3**

Test Start: 2012.01.14 @ 11:31:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:52:00
Time Test Ended: 17:35:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Dylan E Ellis
Unit No: 3345/Great Bend/38

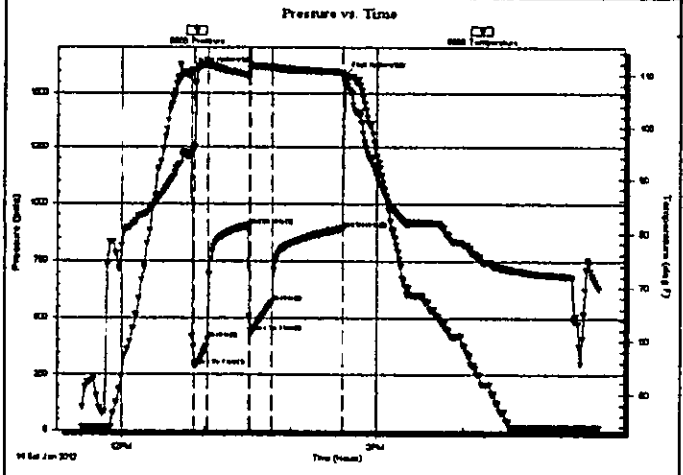
Interval: 3252.00 ft (KB) To 3291.00 ft (KB) (TVD)
Total Depth: 3291.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1773.00 ft (KB)
1763.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6666 **Outside**
Press@RunDepth: 567.95 psia @ 3288.00 ft (KB)
Start Date: 2012.01.14 End Date: 2012.01.15
Start Time: 11:31:00 End Time: 17:35:00

Capacity: 5000.00 psia
Last Calib.: 2012.01.15
Time On Btm: 2012.01.14 @ 12:50:00
Time Off Btm: 2012.01.14 @ 14:37:30

TEST COMMENT:
1ST Opening 10 Minutes very strong blow /blow blew to bottom of bucket in 1 minute
1ST Shut-In 30 Minutes yes blow back/building/1 inch
2ND Opening 15 Minutes very strong blow /blow blew to bottom of bucket in 1 minute
2ND Shut-In 45 Minutes yes blow back/built 5 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1600.70	94.58	Initial Hydro-static
2	287.92	95.74	Open To Flow (1)
12	403.42	111.81	Shut-In(1)
40	904.44	109.85	End Shut-In(1)
42	438.90	111.15	Open To Flow (2)
57	567.95	111.39	Shut-In(2)
107	892.08	110.46	End Shut-In(2)
108	1579.42	108.91	Final Hydro-static

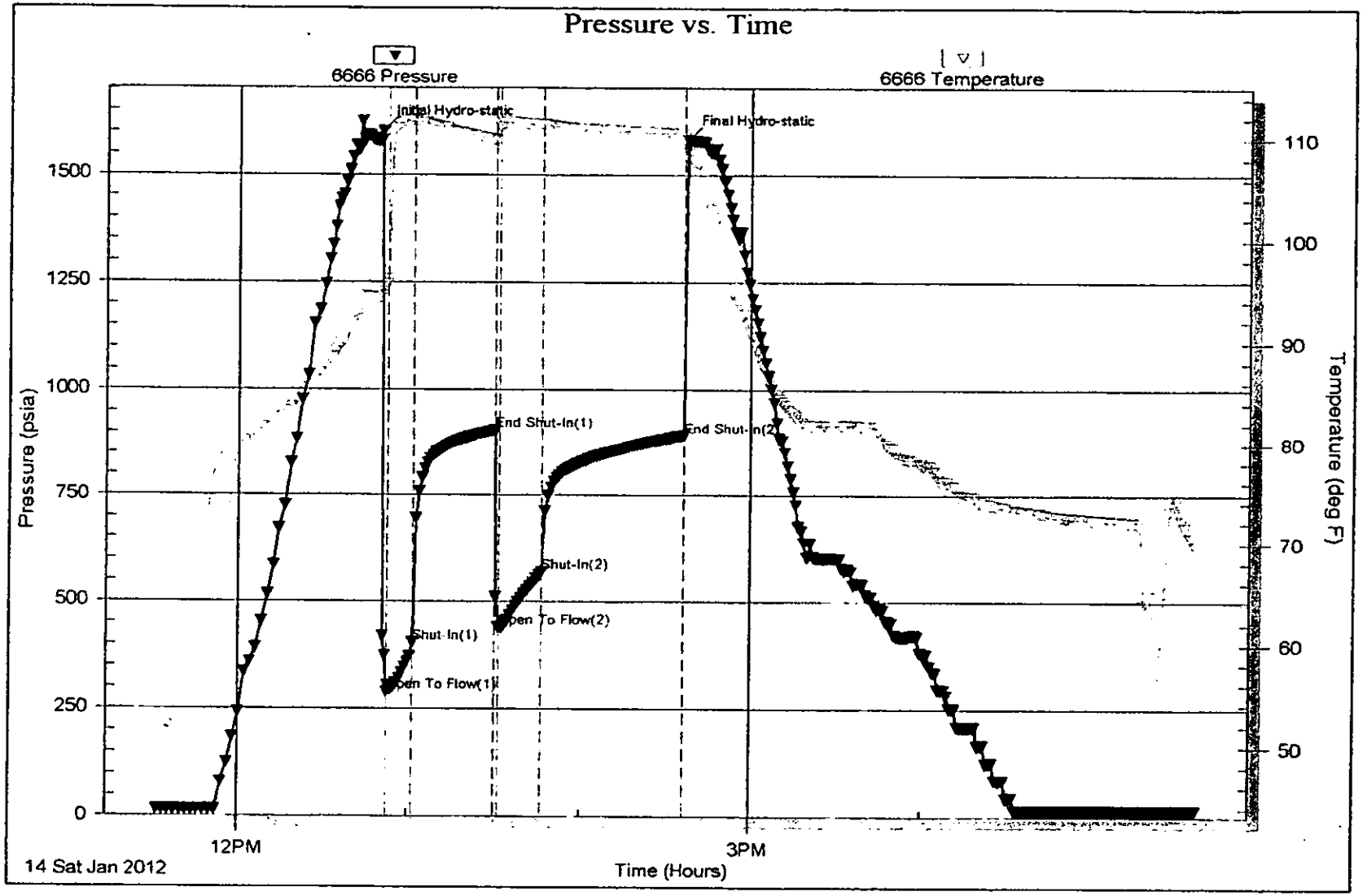
Recovery

Length (ft)	Description	Volume (bbl)
441.00	Light Oil cut Muddy Water	6.19
0.00	10%Oil 30%Mud 60%Water	0.00
504.00	Gas and Oil cut Water	7.07
0.00	20%Gas 15%Oil 65%Water	0.00
378.00	Salt Water/Skim Oil on top	5.30
0.00	Skim-Oil 100%Water	0.00

Gas Rates

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

Serial #: 6666 Outside Carrie Exploration+Development Kay C-1 DST Test Number: 3



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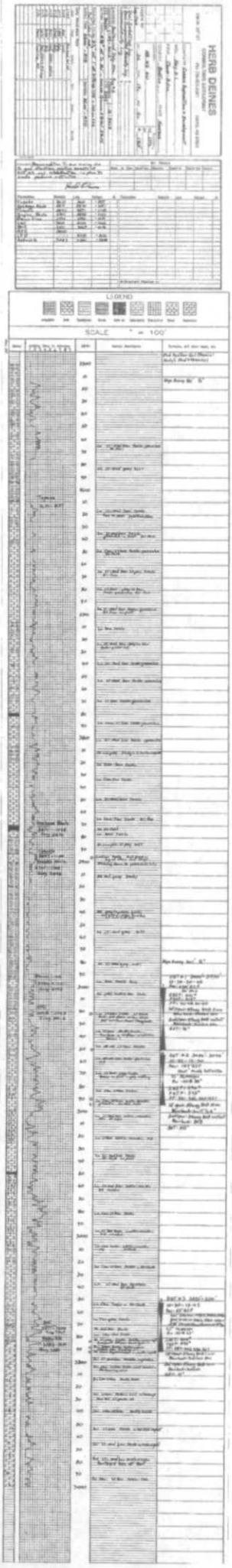
HERB DEINES
LEGEND
SCALE