



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1216917
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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
- Plug Back Conv. to GSW Conv. to Producer

- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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

1216917

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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 <i>(Explain)</i> _____
---	--

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Hornback 1-15
Doc ID	1216917

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Hornback 1-15
Doc ID	1216917

Tops

Name	Top	Datum
Heebner Shale	4371	(-1780)
Brown Limestone	4503	(-1912)
Lansing	4513	(-1922)
Stark Shale	4839	(-2248)
Pawnee	5081	(-2490)
Cherokee Shale	5128	(-2537)
Base Penn Limestone	5232	(-2641)
Mississippian	5257	(-2666)
RTD	5360	(-2769)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Hornback 1-15
Doc ID	1216917

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5264 - 5276	Ran tubing to 5172', acidized with 1500 gal 15% MCA, total load is 114 bbl, SDFN	
		Swab for 2hr, KOF, Shut well in , SDFN, Blew well down, & pulled tubing to perf	
2	5276' to 5338' & 5258 to 5264'	ran tubing to 5245', acidized with 3500 gal MCA, total load 157 bbl, SDFN;	
		Swabed well down, steady blow of gas, swabed and tested for 3 days rec load & testing rate & pressure had fair blow of gas, shut -in	
		ran tubing to 5245', acidized with 3500 gal MCA, total load 157 bbl, SDFN;	
		Waiting on gas line & surface equipment, Well turned to production 7/29/14	

QUALITY WELL SERVICE, INC.

6137

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	04-06-14	Sec.	15	Twp.	29s	Range	24w	County	Ford	State	KS	On Location	4:00AM	Finish	9:15AM		
Lease	Hornback		Well No.		1-15		Location									Bloom, 2w, 3N 1/4 E, 5/16	
Contractor	Val #2							Owner									Vincent
Type Job	Surface							To Quality Well Service, 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.		646		Charge To									Vincent	
Csg.	8 5/8		24 #		Depth		641		Street								
Tbg. Size	Depth							City									State
Tool	Depth							City									State
Cement Left in Csg.	41.58		Shoe Joint		42'		The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line	Displace		38.2 Bbls Fresh		Cement Amount Ordered									12.5sx MDC 12.5sx Common			
EQUIPMENT								2% gel + 3% cc + 1/4 # Flowseal									
Pumptrk	6	No.	Dand F.		Common								12.5				
Bulktrk	9	No.	mike		Poz. Mix												
Bulktrk	10	No.	Danik		Gel.								11sx				
Pickup		No.	Rich		Calcium								10sx				
JOB SERVICES & REMARKS								Hulls									
Rat Hole								Salt									
Mouse Hole								Flowseal								66 1/4 #	
Centralizers								Kol-Seal									
Baskets								Mud CLR 48									
D/V or Port Collar								CFL-117 or CD110 CAF 38									
Run 15 jts 8 5/8 casing								Sand									
Break Circ. w/ Rig - Pump Spacer,								Handling								271	
Mix 12.5sx MDC & Mix 12.5sx tail								Mileage								50	
cement, Stop Pump - Release Plug - Start								FLOAT EQUIPMENT									
Disp. w/ Fresh H ₂ O, Wash up on Plug - See								Guide Shoe									
increase in PSI; slow rate, Bump Plug at								Centralizer									
38.2 Bbls total Disp. - Shut in, Cement								Baskets									
Did Circ.								AFU Inserts									
								Float Shoe									
								Latch Down								LVM 50	
								1- 8 5/8 Baffle Plate									
								1- 8 5/8 Wooden Plug									
								Pumptrk Charge								Surface	
								Mileage								50x2	
								Tax									
								Discount									
X Signature								Total Charge									

QUALITY WELL SERVICE, INC.

6141

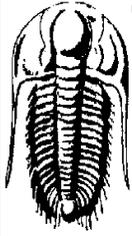
Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	04-16-14	Sec.	15	Twp.	29s	Range	24w	County	Ford	State	KS	On Location	8:00 AM	Finish	10:45 AM			
Lease	Hornback		Well No.		1-15		Location									Bloom, 3w, 3n, 1/4e, s/s		
Contractor	Val #2				Owner											Vincent		
Type Job	Production				To Quality Well Service, 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.													5360		
Csg.	9 1/2		11.6"		Depth		5358										Charge To	Vincent oil
Tbg. Size					Depth												Street	
Tool					Depth												City	State
Cement Left in Csg.	16'		Shoe Joint		15.80										The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line			Displace		66ls 2% KCL										Cement Amount Ordered	225sx Pro C + 5" Kalsol		
EQUIPMENT											10% salt							
Pumptrk	No.	mike		Common											225 Pro C			
Bulktrk	No.	Doubt B		Poz. Mix														
Bulktrk	No.	F.L.C.		Gel.														
Pickup	No.			Calcium														
JOB SERVICES & REMARKS											Hulls							
Rat Hole	30sv		Salt											24				
Mouse Hole	10sv		Flowseal															
Centralizers												Kol-Seal	1125#					
Baskets												Mud CLR 48	500 gal					
D/V or Port Collar												CFL-117 or CD110 CAF 38	CC-1 8/10 GL					
											Sand							
Pipe on Btm Breakline,											Handling	249						
Pump Pre flush, Plug rat & mouse holes w/ 50sx cement, (Mix 175sx Pro C cement,											Mileage	50						
stop - Wash Pump lines - Release Plug,											FLOAT EQUIPMENT							
start Dip. w/ 2% KCL water, See steady											Guide Shoe	1-4 1/2						
increase in PSI, slow rate, slow rate again											Centralizer	6-4 1/2						
Bump Plug at 8 2 3/4 Bbls from 700' to 1100'											Baskets							
Release PSI, Float Did Hold											AFU Inserts	1-4 1/2						
											Float Shoe							
											Latch Down	1 Top Roller Plug						
											Supervision							
											KMIV	50						
											Pumptrk Charge	long string						
											Mileage	50 x 2						
											Tax							
											Discount							
											Total Charge							
X Signature	[Signature]																	



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation
 155 N Market Ste 700
 Wichita, KS 67202
 ATTN: Ken LeBlanc

15-29S-24W Ford
Hornback 1-15
 Job Ticket: 58979 **DST#: 1**
 Test Start: 2014.04.13 @ 12:51:38

GENERAL INFORMATION:

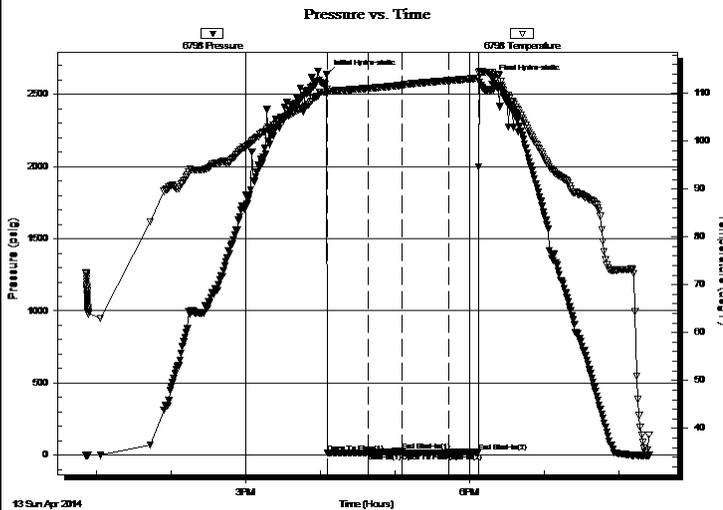
Formation: **Basal Penn**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:05:53
 Time Test Ended: 20:25:08
 Interval: **5224.00 ft (KB) To 5240.00 ft (KB) (TVD)**
 Total Depth: 5240.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 2591.00 ft (KB)
 2581.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 19.32 psig @ 5225.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.13 End Date: 2014.04.13 Last Calib.: 1899.12.30
 Start Time: 12:51:39 End Time: 20:25:08 Time On Btm: 2014.04.13 @ 16:05:23
 Time Off Btm: 2014.04.13 @ 18:18:53

TEST COMMENT: IF: Weak Surface Blow
 IS: No Blow Back
 FF: Weak Surface Blow
 FS: No Blow Back



PRESSURE SUMMARY

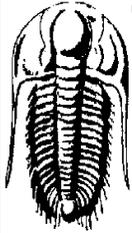
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2639.00	110.81	Initial Hydro-static
1	16.66	109.96	Open To Flow (1)
34	17.90	111.00	Shut-In(1)
61	27.85	111.63	End Shut-In(1)
61	17.85	111.64	Open To Flow (2)
98	19.32	112.61	Shut-In(2)
122	23.25	113.11	End Shut-In(2)
134	2605.57	113.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

15-29S-24W Ford

155 N Market Ste 700
Wichita, KS 67202

Hornback 1-15

Job Ticket: 58979

DST#: 1

ATTN: Ken LeBlanc

Test Start: 2014.04.13 @ 12:51:38

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:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

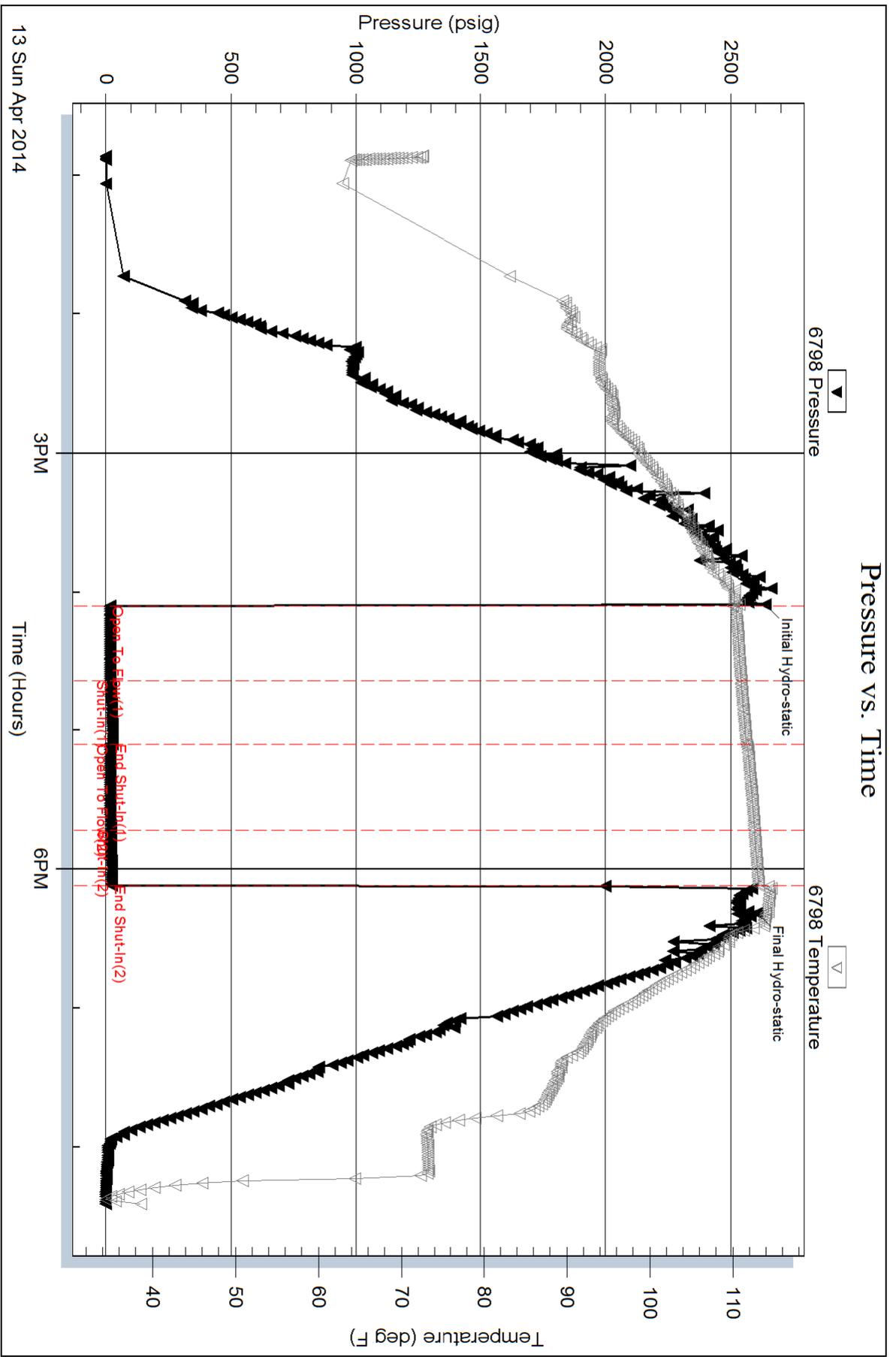
Serial #: 6798

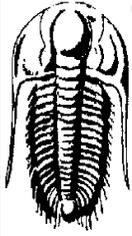
Inside

Vincent Oil Corporation

Hornback 1-15

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corporation

15-29S-24W Ford

155 N Market Ste 700
Wichita, KS 67202

Hornback 1-15

ATTN: Ken LeBlanc

Job Ticket: 58980

DST#: 2

Test Start: 2014.04.14 @ 13:14:35

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:20

Time Test Ended: 00:35:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

Interval: 5260.00 ft (KB) To 5340.00 ft (KB) (TVD)

Reference Elevations: 2591.00 ft (KB)

Total Depth: 5340.00 ft (KB) (TVD)

2581.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8367 Outside

Press @ Run Depth: 55.89 psig @ 5261.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.14

End Date:

2014.04.15

Last Calib.: 2014.04.15

Start Time: 13:14:36

End Time:

00:35:20

Time On Btm: 2014.04.14 @ 16:40:50

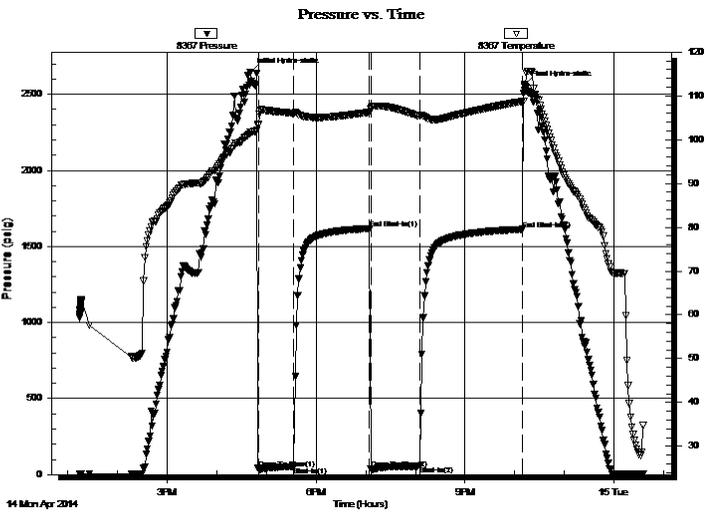
Time Off Btm: 2014.04.14 @ 22:12:05

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 17 minutes, Gauged & Caught Sample

IS: Weak Surface Blow Back

FF: Strong Blow , BOB & GTS Immediate, Gauge Gas

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2646.99	101.65	Initial Hydro-static
10	36.86	103.46	Open To Flow (1)
53	49.71	105.93	Shut-In(1)
144	1617.91	106.30	End Shut-In(1)
145	36.20	106.94	Open To Flow (2)
205	55.89	105.32	Shut-In(2)
329	1612.54	108.76	End Shut-In(2)
332	2563.42	111.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5230 GIP	0.00
20.00	GCM 5%G 95%M	0.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	20.00	126.02
Last Gas Rate	0.38	32.00	169.97
Max. Gas Rate	0.38	32.00	169.97

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

15-29S-24W Ford

155 N Market Ste 700
Wichita, KS 67202

Hornback 1-15

Job Ticket: 58980

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2014.04.14 @ 13:14:35

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	5230 GIP	0.000
20.00	GCM 5%G 95%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

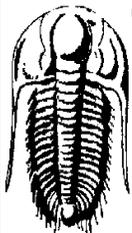
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation

15-29S-24W Ford

155 N Market Ste 700
Wichita, KS 67202

Hornback 1-15

Job Ticket: 58980

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2014.04.14 @ 13:14:35

Gas Rates Information

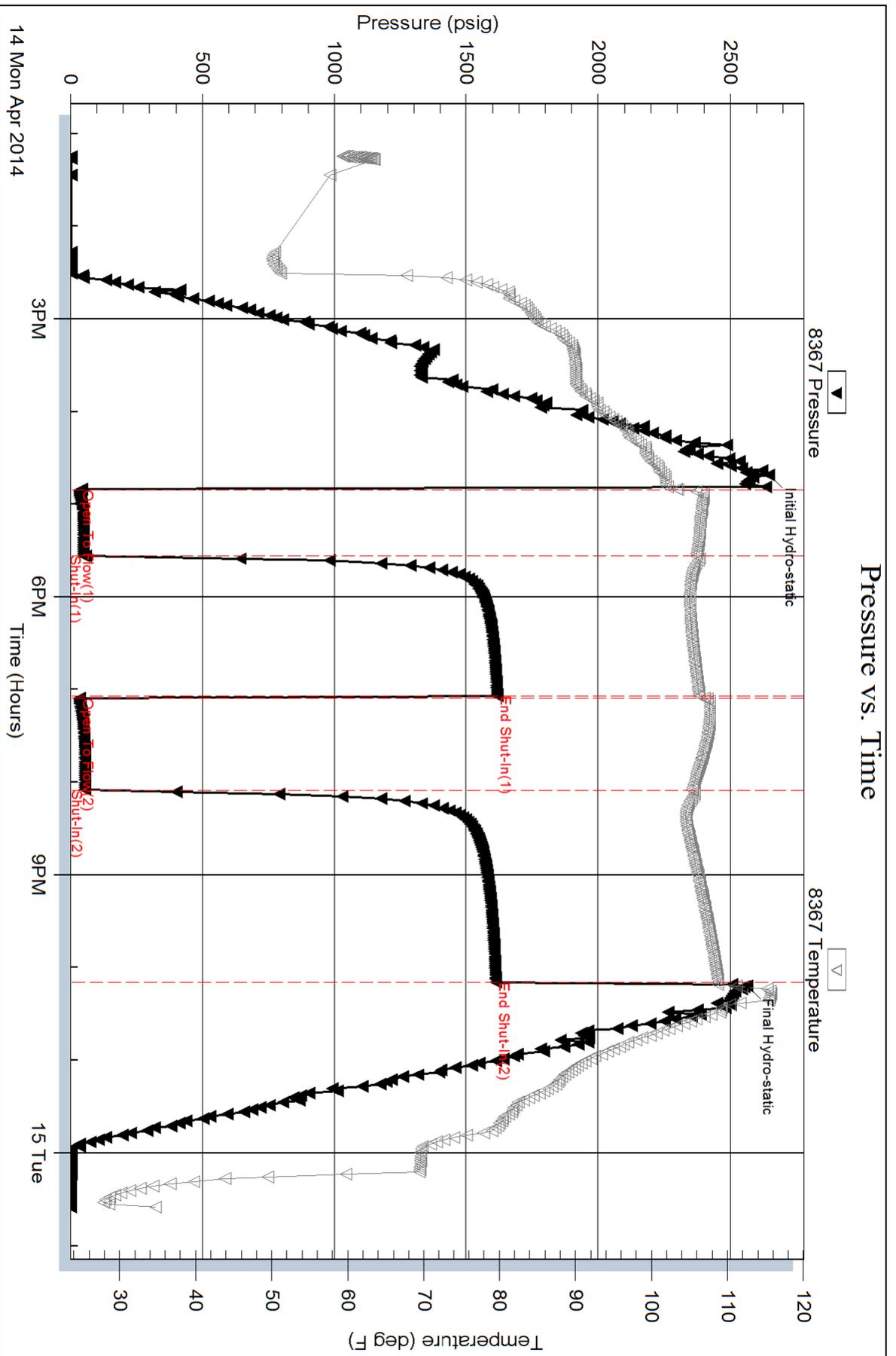
Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.38	20.00	126.02
1	30	0.38	22.00	133.34
1	40	0.38	22.00	133.34
1	45	0.38	22.00	133.34
2	10	0.38	20.00	126.02
2	20	0.38	28.00	155.32
2	30	0.38	31.00	166.31
2	40	0.38	31.00	166.31
2	50	0.38	31.00	166.31
2	60	0.38	32.00	169.97



Geobase
 Petroleum Geology
 2348 North Stonybrook Court
 Wichita, Kansas 67268-9804
 (316) 830-0188

GEOLOGICAL REPORT

APR-15-2014
 ELEVATIONS
 NB 2591 FEET
 DR 2591 FEET

COMPANY: VINCENT OIL CORP. (5004)
 LEASE: WINDCAT 1-15
 FIELD: WINDCAT
 LOCATION: 900 FNL 1735 RWL
 SECTION: 15 TOWNSHIP: 29S RANGE: 24W
 COUNTY: FORD STATE: KANSAS

CONTRACT: AAL DRLS 816.2 (5822)
 COMMENCED DRILLING: SAT APRIL 5, 2014
 RTO: 5360 FEET LTO: 5359 FEET
 MUD UP AT 3080 FEET
 SAMPLES SAVED FROM: 4250 FEET TO 5360 FEET
 DRILLING TIME KEPT FROM: 4250 FEET TO 5360 FEET
 SAMPLES EXAMINED FROM: 4695 FEET TO 5360 FEET
 GEOLOGICAL SUPERVISION FROM: 4695 FEET TO 5360 FEET

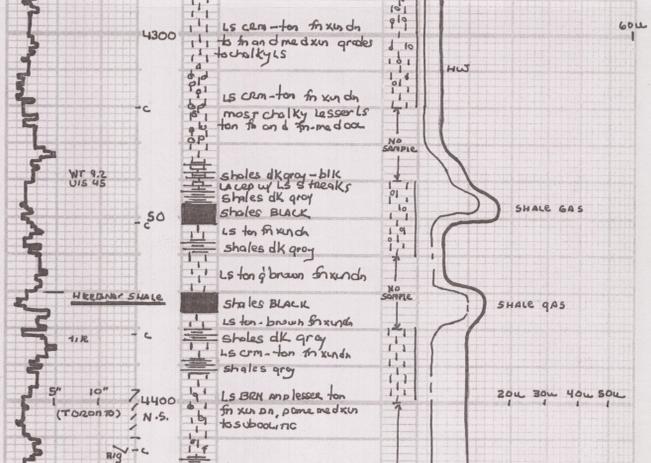
NOTES: MUD SYSTEM: MUD-ON SOFT GAS, CMT-QUALITY
 MUD LOSS: 0.00 GAL PER MINUTE
 FINE: 100%
 COALS: NONE

Formation Tops	Sample Tops	Corrected Tops	Electric Log Tops	Subsea Datum
BASE SANDSTONE GASING	641	641	641	-1780
HEBERNER SHALE	4370	4370	4370	-1912
BEN LN	4515	4515	4515	-1922
LANSING	4839	4839	4839	-2499
STARK SHALE	4900	4900	4900	-2492
HUGH SHALE	4977	4977	4977	-2492
PARKEE	5081	5081	5081	-2537
CHERRYBARK SHALE	5120	5120	5120	-2541
B/beam	5232	5232	5232	-2541
MISSISSIPPI UNCL.	5259	5259	5259	-2546
R/D LTD	5359	5359	5359	-2768

Remarks: THE VINCENT OIL CORP HOAQUEK-115 WAS DRILLED TO AN RTO OF 5360 FT IN THE MISSISSIPPIAN ON THE FACE OF 3D PROSPECT. TWO DSTS WERE TAKEN FOR THE HOAQUEK FORMATION. STAINS AND IN TRAPS. THE VAC HEAD GAGE 1-15 GAIN LOW TO 30 INCREASE FROM 2.5 TO 2. WAS INJECTED GAS. CONDENSATION TEST COVERING THE MISS ST LENS. NO SIGNIFICANT STAINS OR GAS INCREASES WERE OBSERVED OVER THE ENTIRE R/O. A COMMERCIAL GAS TEST STAGED ENHANCING 1/4" PROP. GAS TO BE SET FOR FURTHER EVALUATION.

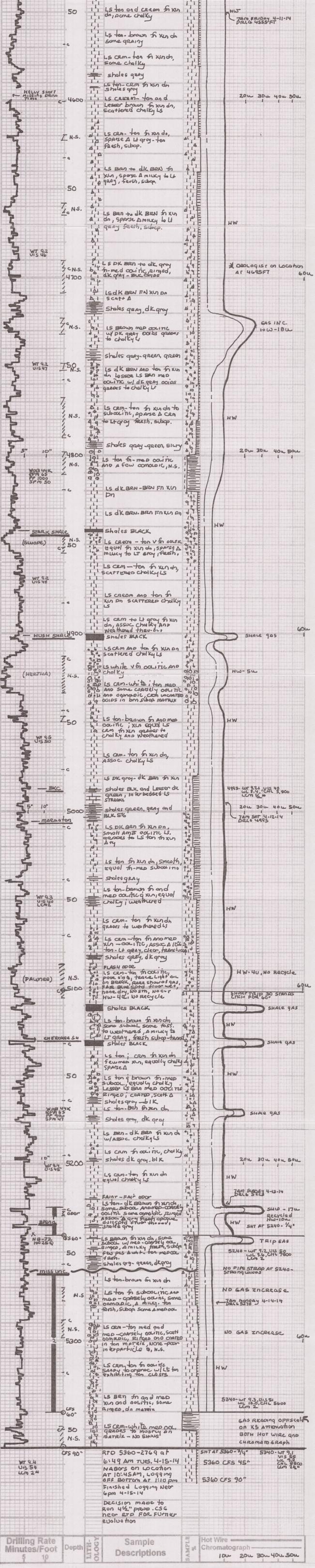
Daily Penetration

Date	Time	Waves	Typical Depth	Feet	Hours
4-14	12:45	124	72	646	6:18
4-14	1:15	178	72	646	6:18
4-14	1:45	178	72	646	6:18
4-14	2:15	178	72	646	6:18
4-14	2:45	178	72	646	6:18
4-14	3:15	178	72	646	6:18
4-14	3:45	178	72	646	6:18
4-14	4:15	178	72	646	6:18
4-14	4:45	178	72	646	6:18
4-14	5:15	178	72	646	6:18
4-14	5:45	178	72	646	6:18
4-14	6:15	178	72	646	6:18
4-14	6:45	178	72	646	6:18
4-14	7:15	178	72	646	6:18
4-14	7:45	178	72	646	6:18
4-14	8:15	178	72	646	6:18
4-14	8:45	178	72	646	6:18
4-14	9:15	178	72	646	6:18
4-14	9:45	178	72	646	6:18
4-14	10:15	178	72	646	6:18
4-14	10:45	178	72	646	6:18
4-14	11:15	178	72	646	6:18
4-14	11:45	178	72	646	6:18
4-14	12:15	178	72	646	6:18



Legend

Sandstone	Limestone	Chert	Coal/ Carb. Shale
Siltstone	Dolomite	Gashite	Conglomerate
Shale	Anhydrite/Gypsum	Granite	oolitic/ oomoldic



DST 1 - Chart

DST 2 5260 - 5340 (Mississippian)
 Times: 45-90-60-120

1st open: strong blow OBOB in 30 seconds, GTS/17"

time	orifice	PSIG	volume
17"	3/8 inch	20.0	126.015 MCFG
20"	3/8 inch	22.0	133.342 MCFG
40"	3/8 inch	22.0	133.342 MCFG
45"	3/8 inch	22.0	133.342 MCFG

2nd open: gauging gas

time	orifice	PSIG	volume
10"	3/8 inch	20.0	126.015 MCFG
20"	3/8 inch	28.0	155.311 MCFG
30"	3/8 inch	31.0	166.311 MCFG
40"	3/8 inch	31.0	166.311 MCFG
50"	3/8 inch	31.0	166.311 MCFG
60"	3/8 inch	32.0	169.974 MCFG

Rec: 5230' Gas In Pipe
 20' Gas Out Mud (5% gas, 95% mud)
 20' Total Fluid - ALL IN DRILL PIPE

(Alpine Recorders)
 IHD: 2467 psig
 IPP: 37-50 psig
 IHP: 1618 psig
 FFP: 36-56 psig
 FBP: 1612 psig
 FPD: 2563 psig
 TEMP: 108 degrees

Tester: Leal Oason: Trilobite Testing, LLC, Pratt Kansas District
 NOTE: Conventional DST (dual packers, safety joint, electronic recorders)
 NO bottom sampler
 NO JARS

