KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1106096

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 # 5123
Name: Pickrell Drilling Company, Inc.
Address 1: 100 S MAIN STE 505
Address 2:
City: WICHITA State: KS Zip: 67202 + 3738
Contact Person: Larry J. Richardson
Phone: (316) 262-8427
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Steven Petermann
Purchaser: none

Designate Type of Completion:

- [x] New Well [ ] Re-Entry [ ] Workover
- [ ] Oil [ ] WSW [ ] SWD [ ] SIOW
- [ ] Gas [x] 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 #:

11/30/2012	12/08/2012	12/08/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-155-21617-00-00
Spot Description:
_ - N2 - SW - SE Sec. 24 Twp. 26 S. R. 7 [ ] East [x] West
990 Feet from [ ] North / [x] South Line of Section
1980 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Reno
Lease Name: Regier 'D' Well #: 1
Field Name: wildcat
Producing Formation: None
Elevation: Ground: 1580 Kelly Bushing: 1584
Total Depth: 3792 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 272 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 12500 ppm Fluid volume: 400 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Messenger Petroleum
Lease Name: Nicholas License #: 4706
Quarter NE Sec. 20 Twp. 30 S. R. 8 [ ] East [x] West
County: Kingman Permit #: 145-095-21052-00-00

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: 01/15/2013

Side Two

1106096

Operator Name: Pickrell Drilling Company, Inc. Lease Name: Regier 'D' Well #: 1

Sec. 24 Twp. 26 S. R. 7 ☐ East ☑ West County: Reno

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:

Radiation Guard

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

Name	Top	Datum
Heebner	2839	(-12550
Brown Lime	3057	(-1473)
Lansing	3097	(-1473)
Dennis	3372	(-1738)
Stark	3413	(-1829)
Swope Porosity	3420	(-1836)
Mississippi	3770	(-2186)

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 Casing	12.250	8.625	23.00	272	60-40 poz	200	2 % gel & 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

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

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

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:

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

ALLIED OIL & GAS SERVICES, LLC 059705

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Medicine Lodge KS

DATE 12/09/12	SEC. 24	TWP. 26s	RANGE 07w	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 345PM
LEASE Reglor	WELL # D-1		LOCATION Pretty Prairie KS, 1south, ½ west, North into			COUNTY Reno	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Pickrell
TYPE OF JOB Rotary Plug
HOLE SIZE 7⅞ T.D.
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX 500 MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT Mud/Fresh H2O

OWNER Pickrell

EQUIPMENT

PUMP TRUCK CEMENTER Travis Thiesen
#360/205 HELPER Jake Heard
BULK TRUCK
#421/252 DRIVER Brandon Boor
BULK TRUCK
DRIVER

REMARKS:

CEMENT

AMOUNT ORDERED 165sx 60:40:4% Gel

COMMON Class A	99sx	@ 12.90	1277.10
POZMIX	66sx	@ 9.35	617.10
GEL	6sx	@ 23.90	140.40
CHLORIDE		@	
ASC		@	
HANDLING 174.45 cu ft		@ 2.42	432.64
MILEAGE 7.38 tons x 50 mi x 2.60			959.40
		TOTAL	3921.64

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1250
EXTRA FOOTAGE		@	
MILEAGE	50 mi	@ 7.70	385
MANIFOLD		@	
	50 mi	@ 4.40	220
		@	
		TOTAL	1855

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
		TOTAL	

CHARGE TO: Pickrell
STREET
CITY STATE ZIP

To: Allied Oil & Gas Services, 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
SIGNATURE Marvin B. Jackson

SALES TAX (If Any) 421.64
TOTAL CHARGES 5776.64
DISCOUNT 20% 1155.33 IF PAID IN 30 DAYS
(Net) 4621.31

ALLIED OIL & GAS SERVICES, LLC 059664

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Medicine Lodge KS.

DATE 11-30-12	SEC. 24	TWP. 26S	RANGE 7W	CALLED OUT 10:00 AM (11-29)	ON LOCATION 12:15 AM (11-30)	JOB START 1:30 AM	JOB FINISH 6:30 AM
LEASE Regier	WELL # D-1		LOCATION Pretty Prairie, KS. 1 south ½ W 1/5			COUNTY Reno	STATE KS.
OLD OR NEW (Circle one)							

CONTRACTOR Pickrell Drilling
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 272'
CASING SIZE 8 5/8 DEPTH 272'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 200 MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 16 Bbls Fresh water

OWNER Pickrell

EQUIPMENT

PUMP TRUCK CEMENTER Cecil Baldwin
#360-307 HELPER Scott Priddy
BULK TRUCK
356-290 DRIVER Braedon Boor
BULK TRUCK
DRIVER James Bower

REMARKS:

Ran 272' 8 5/8
Mix 200 sx A 3%
Displace w/ Fresh + Shut in
Cement Did circulate

CEMENT
AMOUNT ORDERED
200 sx Class A + 3% cc + 2% gel
75 sx Class A + 3% cc

COMMON	275	@ 17.90	4922.50
POZMIX		@	
GEL	4	@ 23.40	93.60
CHLORIDE	10	@ 64.00	640.00
ASC		@	
HANDLING	294.74	@ 2.48	730.95
MILEAGE	13.50/sx/2.60		1755.09
		TOTAL	8142.14

1.15.

SERVICE

DEPTH OF JOB	272'		
PUMP TRUCK CHARGE			1512.25
EXTRA FOOTAGE		@	
MILEAGE	50	@ 2.70	385.00
MANIFOLD		@	
LV	50	@ 4.40	220.00
		@	
		TOTAL	2117.25

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

CHARGE TO: Pickrell
STREET
CITY STATE ZIP

To: Allied Oil & Gas Services, 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 Ronald Moon
SIGNATURE Ron Moon

SALES TAX (If Any) 1113.89
TOTAL CHARGES 10,259.39
DISCOUNT 20% 2051.88 IF PAID IN 30 DAYS
NET 8207.51

DRILL STEM TEST REPORT

Pickrell Drlg Co Inc

100 s Main STE 505
Wichita ks 67202

ATTN: Larry Richardson/ St

24-26-27

Regier D #1

Job Ticket: 49511 **DST#: 1**

Test Start: 2012.12.05 @ 18:47:38

GENERAL INFORMATION:

Formation: **Dennis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:01:08
Time Test Ended: 03:46:53

Test Type: Conventional Straddle (Initial)
Tester: Chris Staats
Unit No: 47

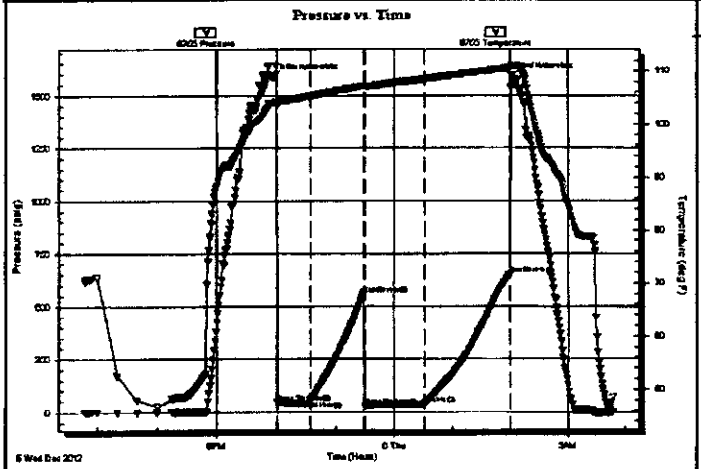
Interval: 3370.00 ft (KB) To 3386.00 ft (KB) (TVD)
Total Depth: 3406.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1584.00 ft (KB)
1574.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 **Outside**
Press@RunDepth: 38.81 psig @ 3371.00 ft (KB)
Start Date: 2012.12.05 End Date: 2012.12.06
Start Time: 18:47:38 End Time: 03:46:53

Capacity: 8000.00 psig
Last Calib.: 2012.12.06
Time On Btm: 2012.12.05 @ 21:57:23
Time Off Btm: 2012.12.06 @ 02:01:38

TEST COMMENT: IF: Strong blow BOB 12 min
ISI: No blow back
FF: Strong blow BOB 10 sec
FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1585.79	104.05	Initial Hydro-static
4	48.71	104.00	Open To Flow (1)
37	50.46	105.32	Shut-In(1)
91	555.72	107.22	End Shut-In(1)
94	28.06	107.03	Open To Flow (2)
154	38.81	108.53	Shut-In(2)
243	650.78	110.59	End Shut-In(2)
245	1591.65	110.86	Final Hydro-static

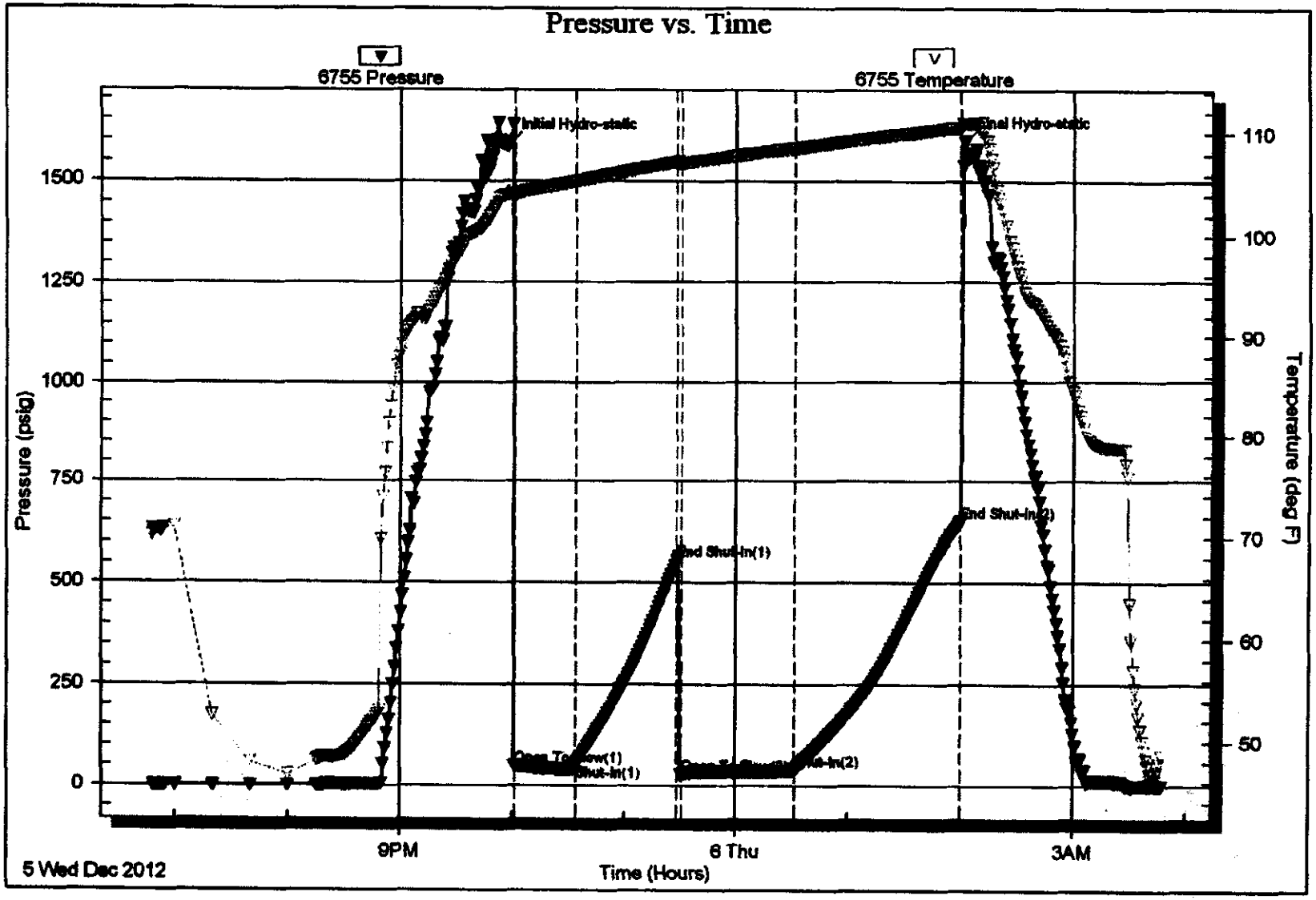
Recovery

Length (ft)	Description	Volume (bbl)
30.00	W,O,G,M 10%water 20%gas 20%oil 50%	0.15

Gas Rates

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

Serial #: 6755 Outside Pickrell Drlg Co Inc Regier D #1 DST Test Number: 1



Tricobite Testing, Inc Ref. No: 49511 Printed: 2012.12.06 @ 03:56:21

DRILL STEM TEST REPORT

Pickrell Drlg Co Inc

100 s Main STE 505
Wichita ks 67202

ATTN: Larry Richardson/ St

24-26-27

Regier D #1

Job Ticket: 49512 **DST#: 2**

Test Start: 2012.12.06 @ 08:55:05

GENERAL INFORMATION:

Formation: **Swope**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:59:05
Time Test Ended: 16:53:50

Test Type: Conventional Bottom Hole (Reset)
Tester: Chris Staats
Unit No: 47

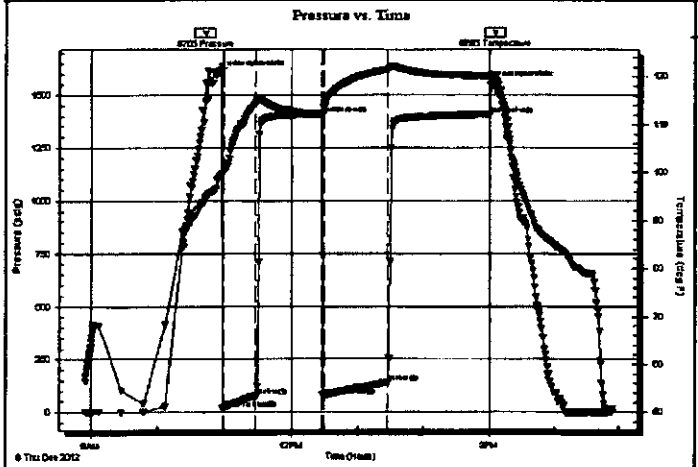
Interval: 3412.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1584.00 ft (KB)
1574.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 **Outside**
Press@RunDepth: 139.12 psig @ 3413.00 ft (KB)
Start Date: 2012.12.06 End Date: 2012.12.06
Start Time: 08:55:05 End Time: 16:53:50

Capacity: 8000.00 psig
Last Calib.: 2012.12.06
Time On Btm: 2012.12.06 @ 10:55:50
Time Off Btm: 2012.12.06 @ 15:01:35

TEST COMMENT: IF: Strong blow 9"
ISI: Weak surface blow back
FF: Strong blow BOB 42 min
FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.53	99.10	Initial Hydro-static
4	18.08	100.45	Open To Flow (1)
32	75.80	114.39	Shut-In(1)
92	1409.42	112.43	End Shut-In(1)
94	79.48	113.53	Open To Flow (2)
151	139.12	121.50	Shut-In(2)
245	1406.71	120.02	End Shut-In(2)
246	1550.37	119.47	Final Hydro-static

Recovery

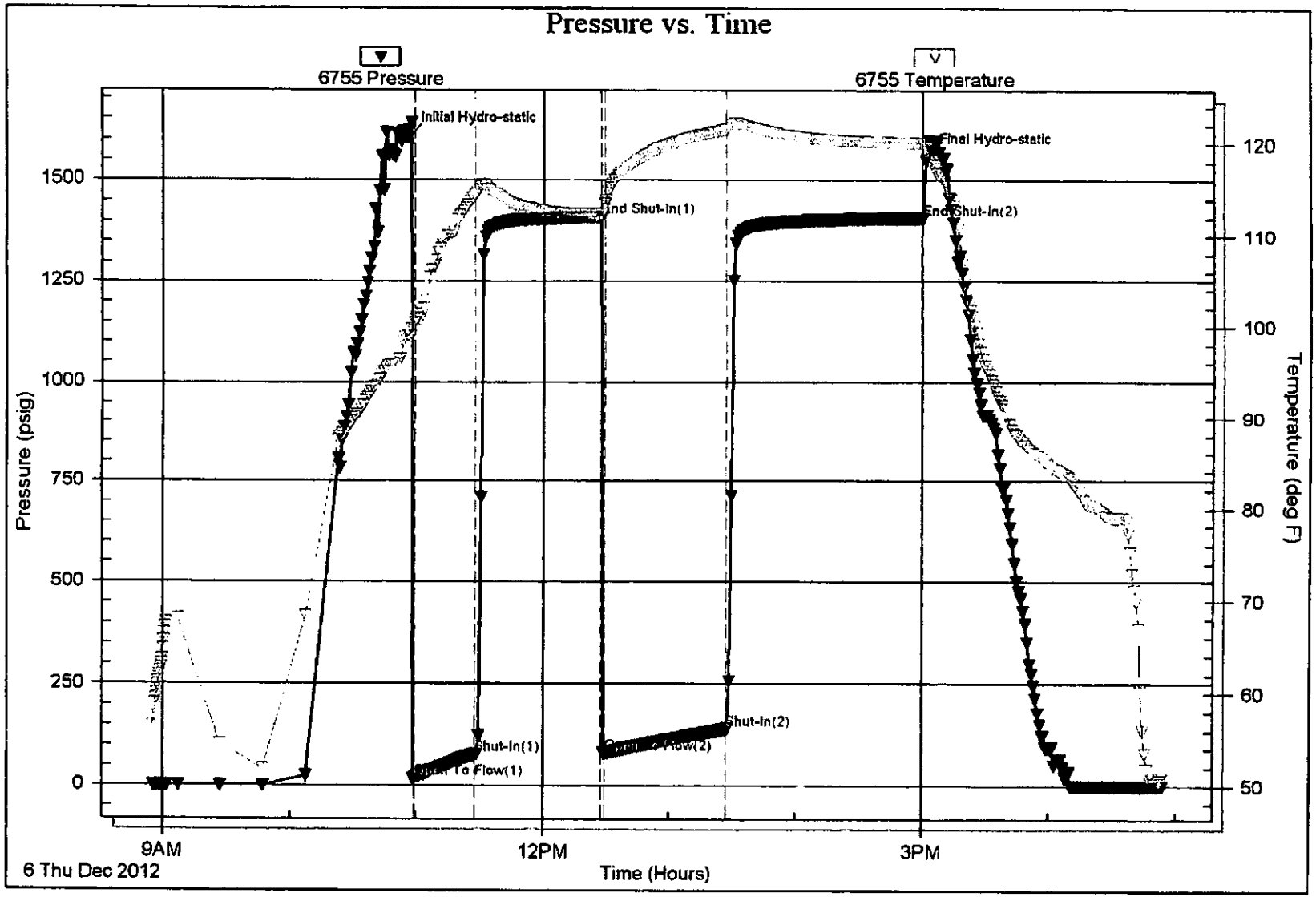
Length (ft)	Description	Volume (bbl)
250.00	M,W 10%mud 90%water	2.42

* Recovery from multiple tests

Gas Rates

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

Serial #: 6755 Outside Rickrell Drlg Co Inc Regier D #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 49512 Printed: 2012.12.06 @ 17:02:28

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Pickrell Drlg Co Inc

100 s Main STE 505
Wichita ks 67202

ATTN: Larry Richardson/ St

24-26-27

Regier D #1

Job Ticket: 49513 **DST#: 3**

Test Start: 2012.12.07 @ 20:58:40

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:51:55
Time Test Ended: 05:12:40

Test Type: Conventional Straddle (Reset)
Tester: Chris Staats
Unit No: 47

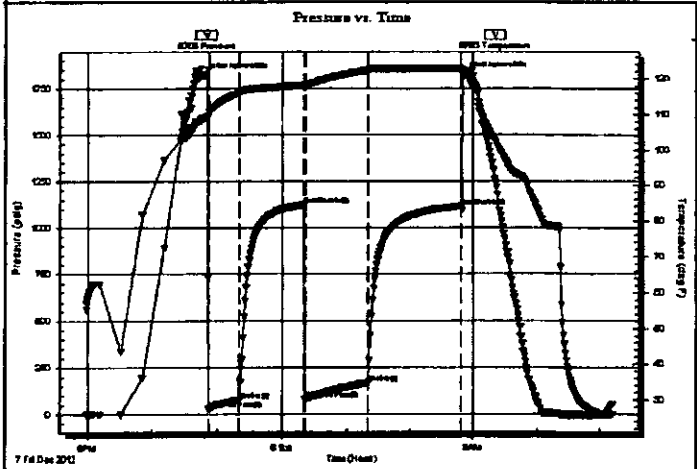
Interval: 3776.00 ft (KB) To 3792.00 ft (KB) (TVD)
Total Depth: 3792.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1584.00 ft (KB)
1574.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 **Outside**
Press@RunDepth: 170.70 psig @ 3777.00 ft (KB)
Start Date: 2012.12.07 End Date: 2012.12.08
Start Time: 20:58:40 End Time: 05:12:40

Capacity: 8000.00 psig
Last Calib.: 2012.12.08
Time On Btm: 2012.12.07 @ 22:46:40
Time Off Btm: 2012.12.08 @ 02:51:25

TEST COMMENT: IF: Strong blow BOB 10sec
ISI: Weak blow back 2"
FF: Strong blow BOB 2 sec GTS 40 min TSTM
FSI: Weak blow back 3"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.43	108.97	Initial Hydro-static
6	27.05	110.78	Open To Flow (1)
33	78.03	116.16	Shut-In(1)
94	1122.74	118.10	End Shut-In(1)
95	80.12	117.70	Open To Flow (2)
154	170.70	122.51	Shut-In(2)
243	1115.31	122.82	End Shut-In(2)
245	1822.17	122.17	Final Hydro-static

Recovery

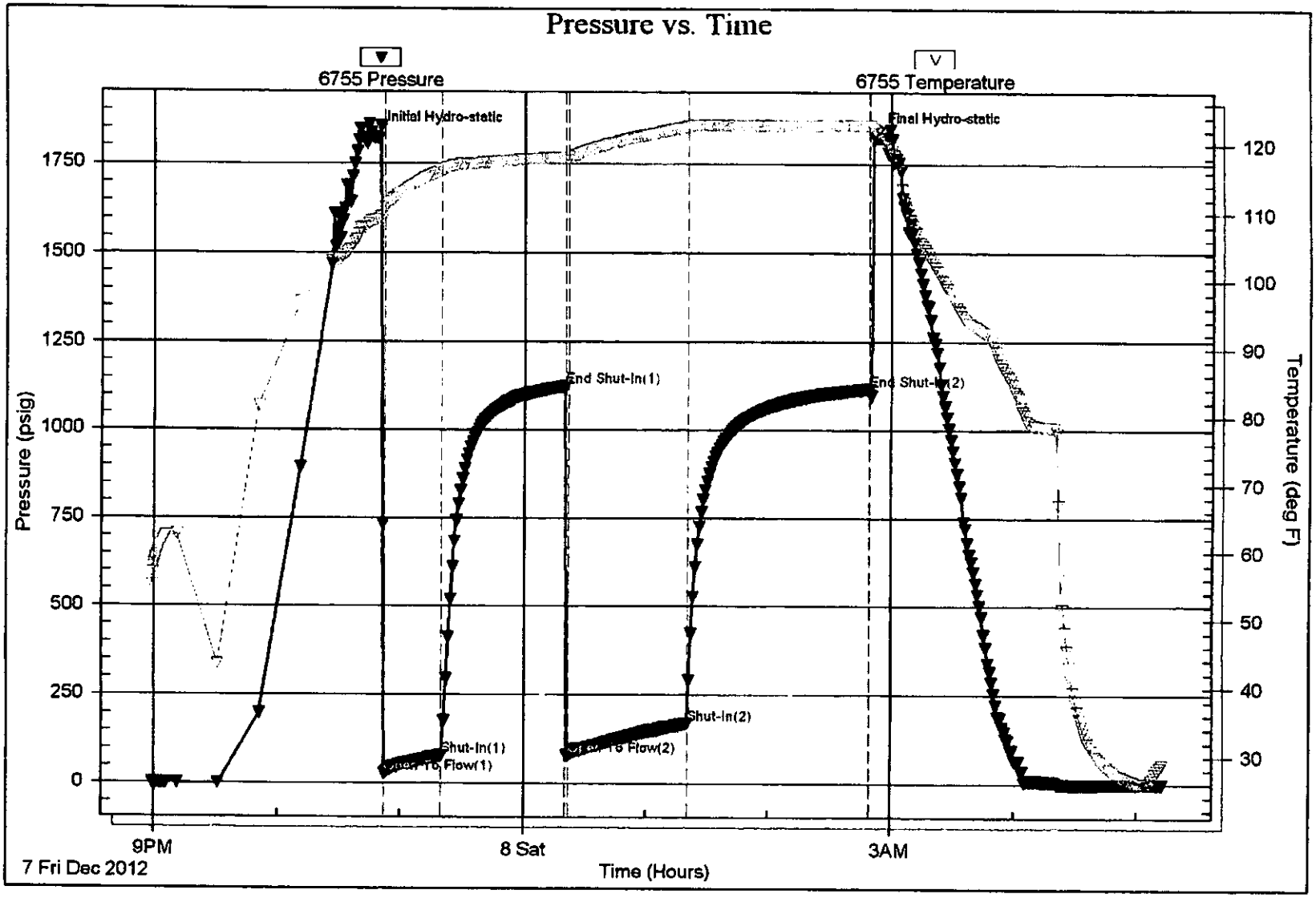
Length (ft)	Description	Volume (bbl)
0.00	3650 GIP	0.00
360.00	M,W 10%mud 90%w ater	3.97

* Recovery from multiple tests

Gas Rates

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

Serial #: 6755 Outside Rickrell Drlg Co Inc Regier D #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 49513 Printed: 2012.12.08 @ 05:20:07

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Pickrell Drilling Co. Inc
LEASE Regier
FIELD Wildcat
LOCATION N2 SW SE
SEC 24 TWSP 26 S RGE 7W
COUNTY Reno STATE Kansas

ELEVATIONS
KB 1584
DF
GL 1574
Measurements Are All From KB

CONTRACTOR Pickrell Drilling Co. Inc Rig #1
SPUD 11/30/2012 COMP 12/10/2012
RTD 3792 LTD 3792
MUD UP 3000' TYPE MUD Chemical

CASING
SURFACE 257' 8 5/8"
PRODUCTION None

ELECTRICAL SURVEYS
CNL/Dens, DIL, Micro

SAMPLES SAVED FROM 2700 TO TD
DRILLING TIME KEPT FROM 2700 TO TD
SAMPLES EXAMINED FROM 2700 TO TD
GEOLOGICAL SUPERVISION FROM 2360 TO TD
GEOLOGIST ON WELL Steven Petermann

FORMATION TOPS	LOG	SAMPLES
Heebner	2835	2835
Brown Lime	3057	3057
Lansing	3097	3097
Dennis	3372	3374
Strope	3420	3420
Mississippi	3770	3771
TD	3792	3792

REMARKS

LEGEND

Dolomite
Chert
Ool. Lime
Limestone
Carb ch
Shale
Sandstone
Salt
Anhydrite

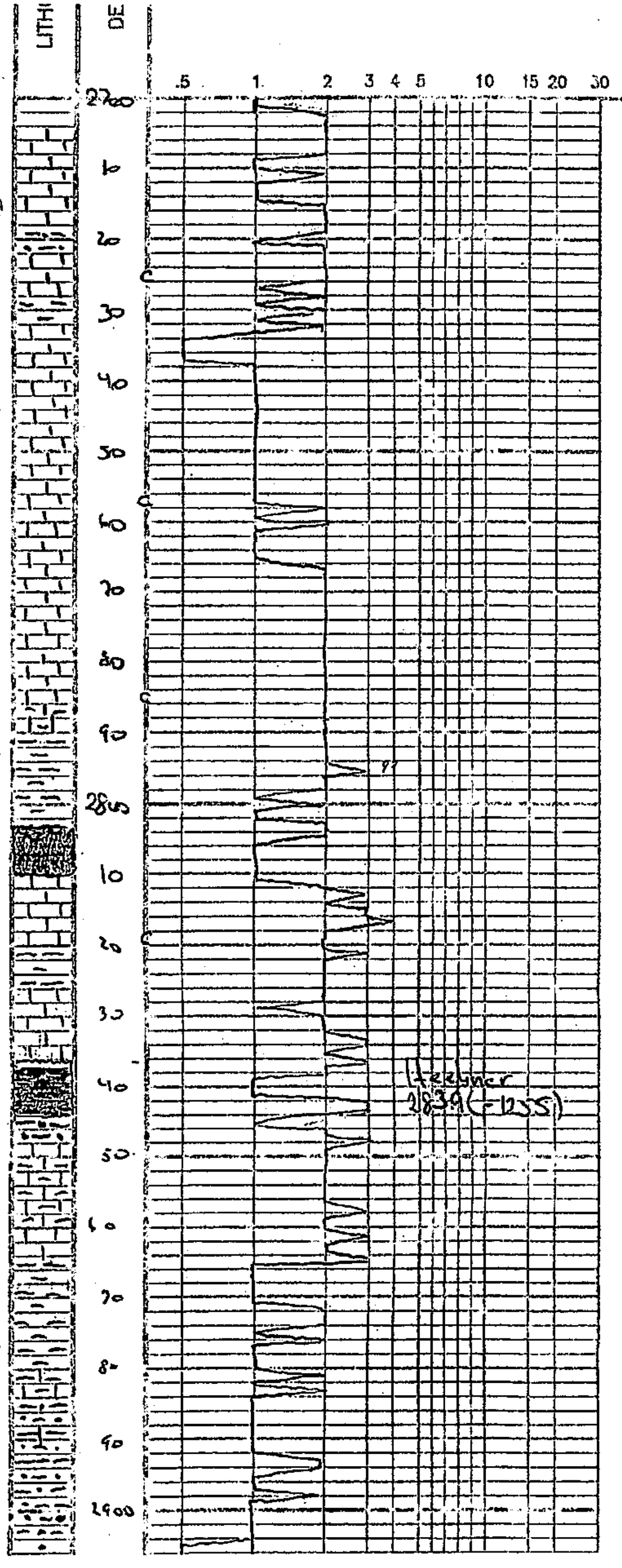
DRILLING TIME
Logarithmic Scale)

PTH

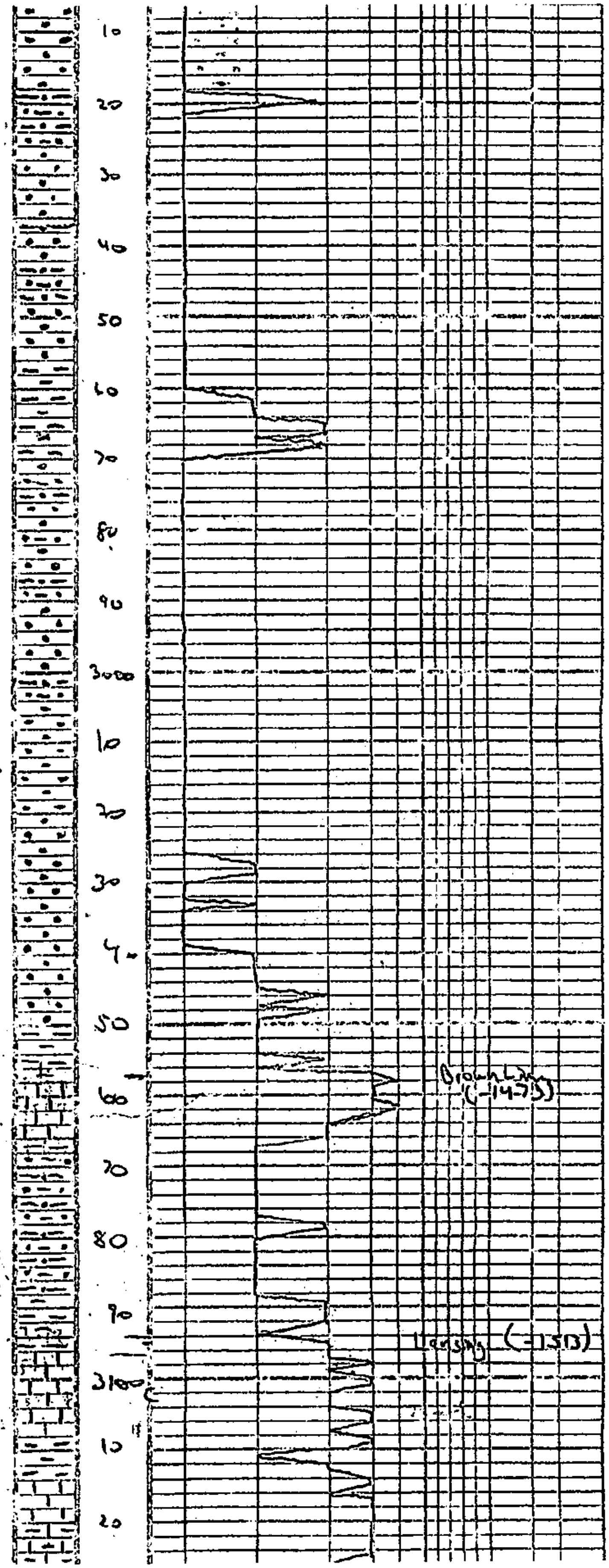
LOGGY

7505

LOG 7702



SAMPLE DESCRIPTIONS	REMARKS
LST: wht-crm, vf-fxln, pvp, few pcs w/ Brn wlgle Stn	On location 12/3/2016 7:00 pm @ 2360'
AA: many sub chalky	
AA + gry silty shale	
LST: AA + chert: gry-brn, fresh/sharp	
Incr. gry/dk gry shale	
LST AA	
LST AA	
LST AA + Abdt chert, wht, weathered, few w/ fluor, no cut	
LST + Chert AA	
Increase gry shale	
AA	
Shale gry	
AA	
Shale: blk, carb,	
LST: crm, vfxln, dse, dull fluor, no cut	
AA + gry shale	
LST: AA	
Abdt Shale: gry	
Shale: dk gry/blk, carb	Show of high gravity distillate surface sample cup
Siltstone: gry-gry w/ tr SSt, vfg, sub rd, fair int gr. No show	
Shale & Siltstone	
Some LST: crm, vfxln, dse	
	Fr. Distillate show AA
Gray shale/siltstone	
Tr. SSt: gry, vfg, well cmt, fcp, NS	
AA: very shaley	
Tr. SSt AA	
LST: wht, vfxln, chalky, NSO	
Silty SSt: gry, vfg	
Silty SSt AA	
AA	
SSt: gry, vfgr, AA, well sorted	



gry, NS, some silty

AA

AA

AA + SSt: clr-frosted, f-gr, friable, WR, WS, micaceous, NS

AA + increase Shale

SSt: clr-frosted, vf-fgr, Sub R, fair sorting, micaceous, many silty, NS

Shale - grn/gry

Shale + SSt AA

AA

AA

SSt: clr-frosted, vf-fgr, sub R, fair sorting, NS, slightly shaly in part — Displaced Mud System @ 3000'

AA

AA

AA

AA

LST: brn, cherty, vfxln, fossiliferous, mostly dense, pvp, few w/ fr vugs, NS, med-bright fluor, Kro cut

AA

Shale: gry

AS & SSt: vf-fgr clr-gry NS

AA

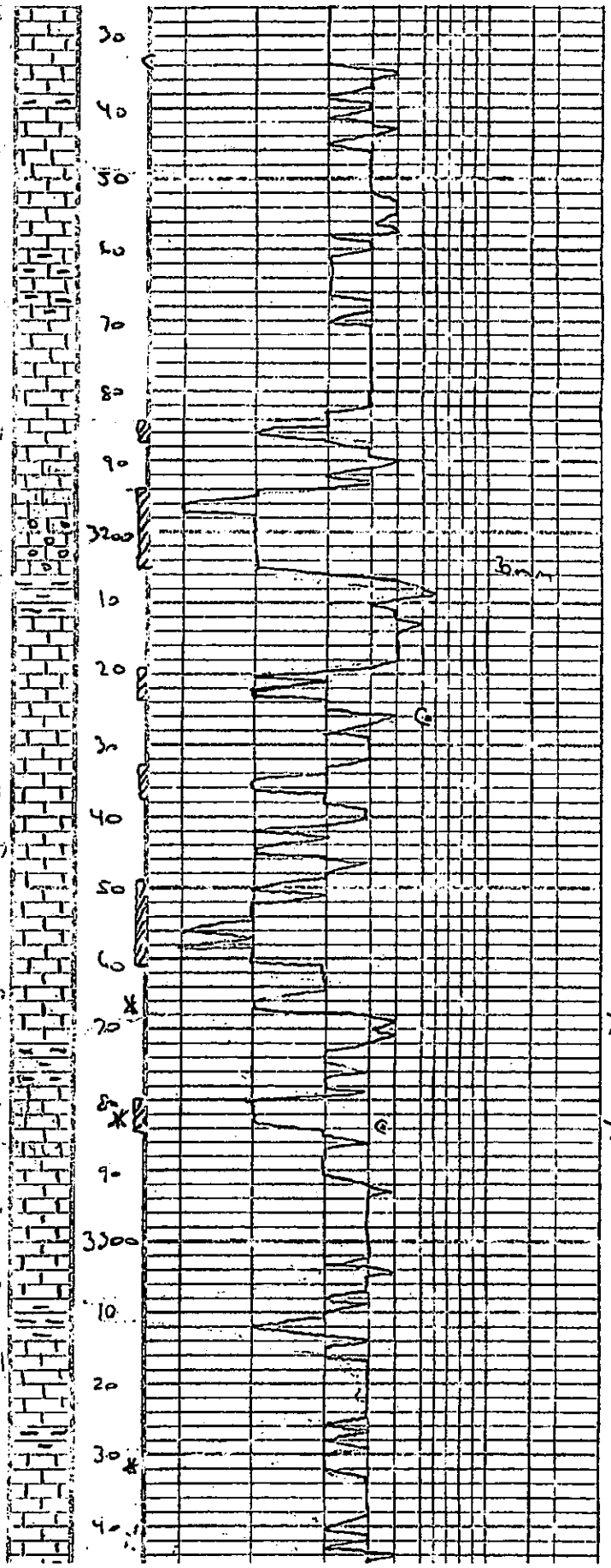
AA

LST: brn, ool/fossiliferous, chalky, dse

Shale gry

LST: brn, vfxln, dse, slightly shaly, NVP

LST: crm-tan, f-mxln, fossiliferous, sub chalky, PVP, NS



Alt shale gry/limey

LST: crm-tan vf-fxln fossiliferous pr vuggy & NS

LST: tan-gry NS f-xln, fossiliferous pup

poor fluor, No cut

LST: crm-gry vf-fxln many fossiliferous sub chalky, pup, NS

AA + gry shale

LST: gry vfxln dse NVP

LST: crm vfxln pvp NS many sub chalky

LST: wht vfxln chalky NS

LST: tan fxln fossiliferous frag. vuggy & NS

LST: tan fxln fossiliferous pvp NS

LST: tan f-xln fossiliferous pvp NS

LST: crm-wht vfxln chalky NS

LST- crm-tan ? fxln, fossiliferous pvp NS

LST: crm-tan-gry vf-fxln some foss. p many pvp

LST: crm-tan f-xln fossiliferous f-g. lenticular vuggy & NS

LST: crm-tan-brn vfxln pvp NS

LST: gry vfxln some interxln to gas on break

LST: tan-brn fxln some int-xln & lenses/brn stain NSFO ? show types

LST: crm-brn fxln v fossiliferous pvp NS

LST: AA

Shale: gry/dk gy calc SSC

LST: gry vfxln dse

LST: crm-brn Mottled, fxln some int-xln & NS

LST: crm-tan mottled fxln fossiliferous some w/ thin leached vuggy &

AA + tr LST: wht fxln fr leached vug &

vis 85
8.7#

No odor
No fluorescence

No odor
No fluorescence

No odor
Good fluorescence
No cut

No odor
Mod. fluor
No cut

Moderate fluor.
No cut
No odor

No odor
No fluor.

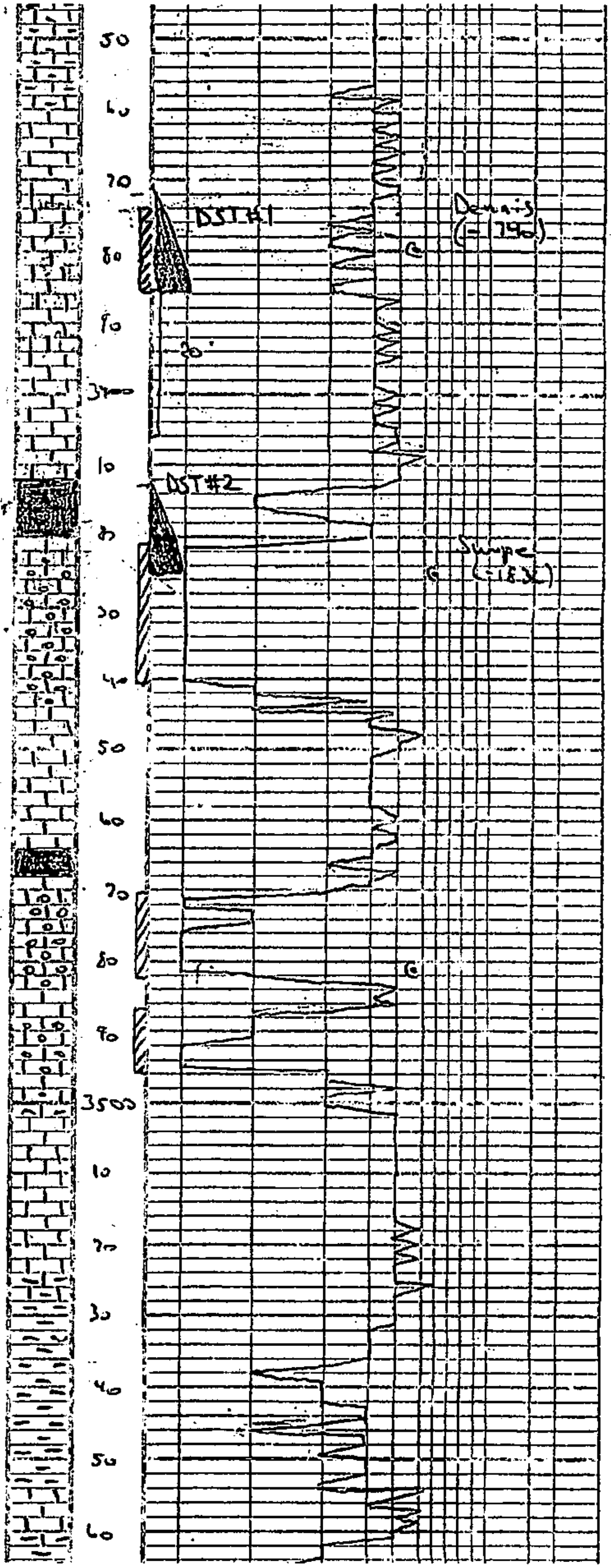
Mod. fluor
dull cut on acid/break

vis 62 No odor
8.9# No cut

Poor fluor.
No cut

No odor
No fluor

DVF
Streaming cut
No odor



LST: crm-mottled brn, fxln fossiliferous, few w/edge sta pup NSFO — No odor. No fluor.

Shale: gry-dk gry
LST: crm fxln fossiliferous sub chalky - chalky pup NS — No odor. No fluor.

AA — Faint odor

few LST: dk gry pel/fossiliferous dk brn spotted stn
Some Chert: tan brash SSC

LST: brn f-mxln fossiliferous, SSFO on break pr-fr Ø SSC

LST: crm vf-fxln Dty vf ppt Ø NS

DST #1 3370-86 straddle
30-60-60-90
570' GIP
30' WOCM (10 W, 20 G, 20 O, 50 M)
555-650#

LST: tan fossiliferous f-mxln pr-fr intxln Ø NS

Pipe Strap 3' Long
Windy + dark

Shale: dk gry / blk

LST: tan v fxln good intxln (near sandy) BYF streaming cut

LST: tan recrystallized v good moldic Ø SFO on break (high gravity) SC

Good odor 40"
Fair odor 60"
60" duller fluor

LST: AA - vssfo (red brn)

DST #2 3412-25
30-60-60-90
250' MW (10 M 90 W)
1408-1406#

LST: tan-gry, vfxln, dse

LST: crm vfxln dse

Shale: dk gry / blk

LST: gry Dty dse

LST: crm-tan recrystallized fxln matrix w/ good ool/oomoldic Ø barren

Sulfur odor

LST: tan-gry, vfxln Dty dse

LST: ool/ooc AA

LST: crm vfxln pup sub chalky - dse

Shale: gry/dk gry

AA

Shale: grn/gry

LST: tan-gry vfxln dse few dk brn [illegible] fresh

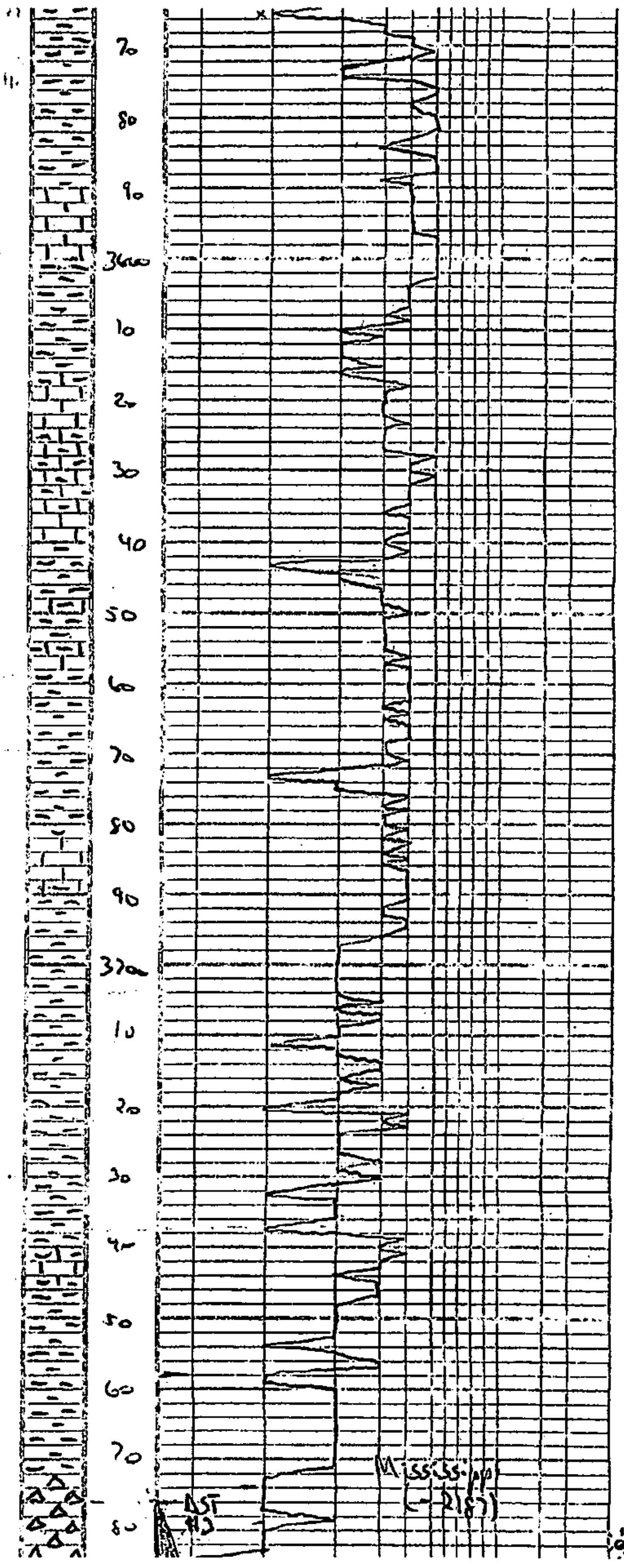
LST: AA

Shale: gry/dk gry

Shale: VC

LST: crm-tan vfxln, [illegible] chalky NVP

Shale: gry



LST AA

AA

Shale: VC
LST AA + brn Dty LST dse

Shale: VC
LST: Dty gry/brn dse
Chert: gry fresh NVP
LST: tan/brn/dk gry dse Shaley

AA + chert wht tan-tan mottled fresh Very shaley
Shale: gry
LST: wht-crm vfxln PVP VSSC
Gry Silty LST

LST: crm-gry dse

Shale: gry
Calc Shale

LST: crm-gry vfxln dse
Chert: gry fresh dse

AA

AA

LST: crm-tan fxln dse Dty Shaley — Mod fluor. No cut

Shale: VC

Shale: gry/dk gry

Shale: gry & mar

AA

AA + dk gry shale

AA + LST crm vfxln pvp NS

AA very shaley

AA

Shale: gry/red/few grn silty
Chert: gry-grn dolo/tripolitic
Chert: wht partially weathered dk black dendritic Bleeding gas
Chert: wht fresh - weathered

VSSTo

Chert: wht weathered fsfa brn stain - sat SG

Chert: AA poor show No odor

tr. odor

DST #3 3776-92
30-60-60-90
GTS 40" 2nd open
TSTM
360' MW (10m 90w)
1122-1115#