



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: _____



1106096

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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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 <u>12/08/17</u>	SEC. <u>29</u>	TWP. <u>26s</u>	RANGE <u>07w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Regular</u>	WELL# <u>D-1</u>	LOCATION <u>Pretty Prairie KS, 1 south, 1/2 west,</u>	COUNTY <u>Renov</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)		<u>North lot</u>					

CONTRACTOR Pickrell
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D.
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX 500 MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT Mud / Fresh H₂O

OWNER Pickrell
CEMENT
AMOUNT ORDERED 165sx 60:40:4% Gel

EQUIPMENT
PUMP TRUCK CEMENTER Tom Thiaach /
#366/205 HELPER Jake Hard 3
BULK TRUCK
#421/252 DRIVER Brandan Boor 3
BULK TRUCK
DRIVER

COMMON <u>Class A</u>	<u>99sx @ 17.90</u>	<u>1772.10</u>
POZMIX	<u>66sx @ 9.25</u>	<u>617.10</u>
GEL	<u>65x @ 23.90</u>	<u>140.40</u>
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>174.45 cu ft</u>	@ <u>2.48</u>	<u>432.64</u>
MILEAGE <u>7.38 hrs x 50 mi x 2.60</u>		<u>959.40</u>
	TOTAL	<u>3921.64</u>

REMARKS:

CHARGE TO: Pickrell
STREET _____
CITY _____ STATE _____ ZIP _____

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

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.

PLUG & FLOAT EQUIPMENT
@ _____
@ _____
@ _____
@ _____
@ _____
TOTAL _____
SALES TAX (If Any) 421.69
TOTAL CHARGES 5776.64
DISCOUNT 20% 1155.33 IF PAID IN 30 DAYS
(Net) 4621.31

PRINTED NAME _____
SIGNATURE Marvin B. Jenkins

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 <u>11-30-12</u>	SEC. <u>24</u>	TWP. <u>26S</u>	RANGE <u>7W</u>	11-29 CALLED OUT <u>10:00 AM</u>	11-30 ON LOCATION <u>12:15 AM</u>	JOB START <u>1:30 AM</u>	JOB FINISH <u>6:30 AM</u>
LEASE <u>Regier</u>	WELL # <u>D-1</u>	LOCATION <u>Pretty Prairie, KS.</u>			COUNTY <u>Leno</u>	STATE <u>KS.</u>	
OLD OR NEW (Circle one)				<u>1-south 1/2 W 4S</u>			

CONTRACTOR Pickrell Drilling OWNER Pickrell

TYPE OF JOB Surface

HOLE SIZE 8 1/2" T.D. 272'

CASING SIZE 8 1/2" 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

CEMENT		
AMOUNT ORDERED		
200 <u>ex Class A + 3/4 cc + 2 1/2 gal</u>		
7.5 <u>ex Class A + 5/8 cc</u>		
COMMON <u>275</u>	@ <u>17.90</u>	<u>4922.50</u>
POZMIX _____	@ _____	_____
GEL <u>4</u>	@ <u>23.40</u>	<u>93.60</u>
CHLORIDE <u>10</u>	@ <u>64.00</u>	<u>640.00</u>
ASC _____	@ _____	_____
HANDLING <u>294.74</u>	@ <u>2.48</u>	<u>730.95</u>
MILEAGE <u>13.50 / 50 / 2.60</u>		<u>1735.09</u>
TOTAL		<u>8142.14</u>

EQUIPMENT

PUMP TRUCK CEMENTER Carl Baldy

360-307 HELPER Scott Priddy

BULK TRUCK

356-290 DRIVER Braxton Roor

BULK TRUCK

_____ DRIVER James Bauer

REMARKS:

Run 272' 8 1/2"

MIX 200 ex A 3/4

Displace w/ fresh + shut in
Cement did circulate

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 Ronald Moon

6.95.

SERVICE

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

PLUG & FLOAT EQUIPMENT

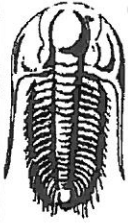
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		_____

SALES TAX (If Any) 412.89

TOTAL CHARGES 10,259.39

DISCOUNT 20% 2051.88 IF PAID IN 30 DAYS

NET 8207.51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drlg Co Inc

24-26-27

100 s Main STE 505
Wichita ks 67202

Regier D #1

Job Ticket: 49511

DST#: 1

ATTN: Larry Richardson/ St

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

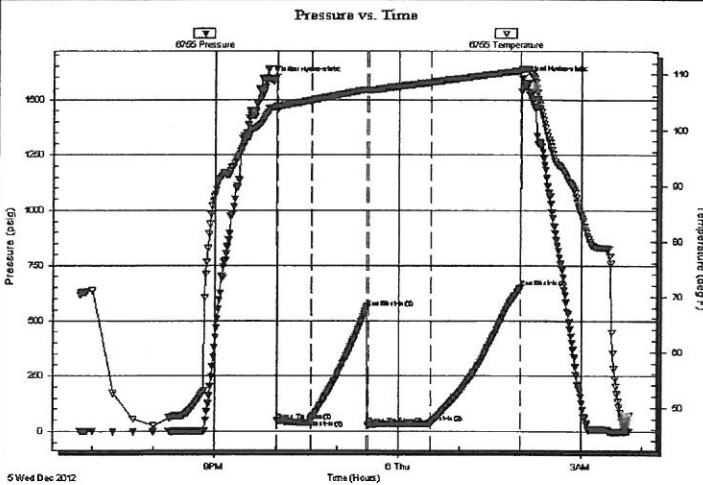
Capacity: 8000.00 psig

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
IS: No blow back
FF: Strong blow BOB 10 sec
FS: 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%w ater 20%gas 20%oil 50%	0.15

Gas Rates

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

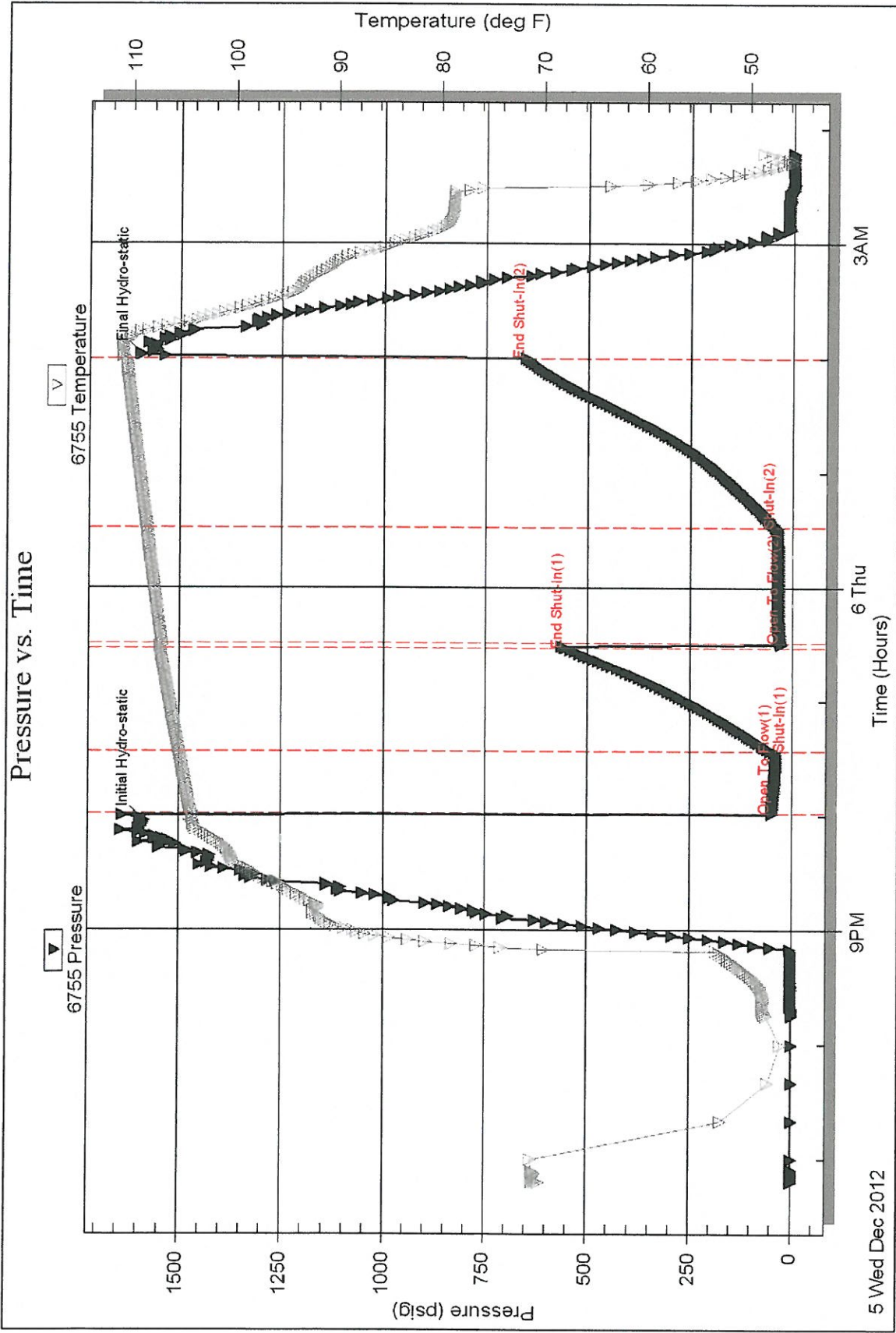
Serial #: 6755

Outside Fickrell Drig Co Inc

Regier D #1

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drlg Co Inc

24-26-27

100 s Main STE 505
Wichita ks 67202

Regier D #1

Job Ticket: 49512

DST#: 2

ATTN: Larry Richardson/ St

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

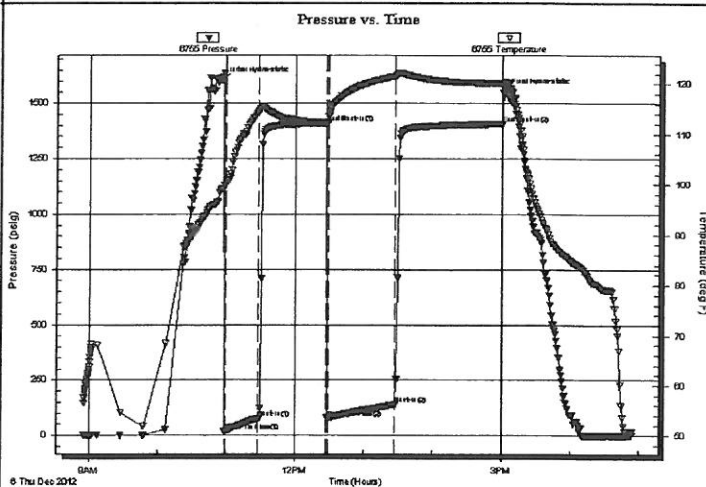
Time Off Btm: 2012.12.06 @ 15:01:35

TEST COMMENT: IF: Strong blow 9'

IS: 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%w ater	2.42

* Recovery from multiple tests

Gas Rates

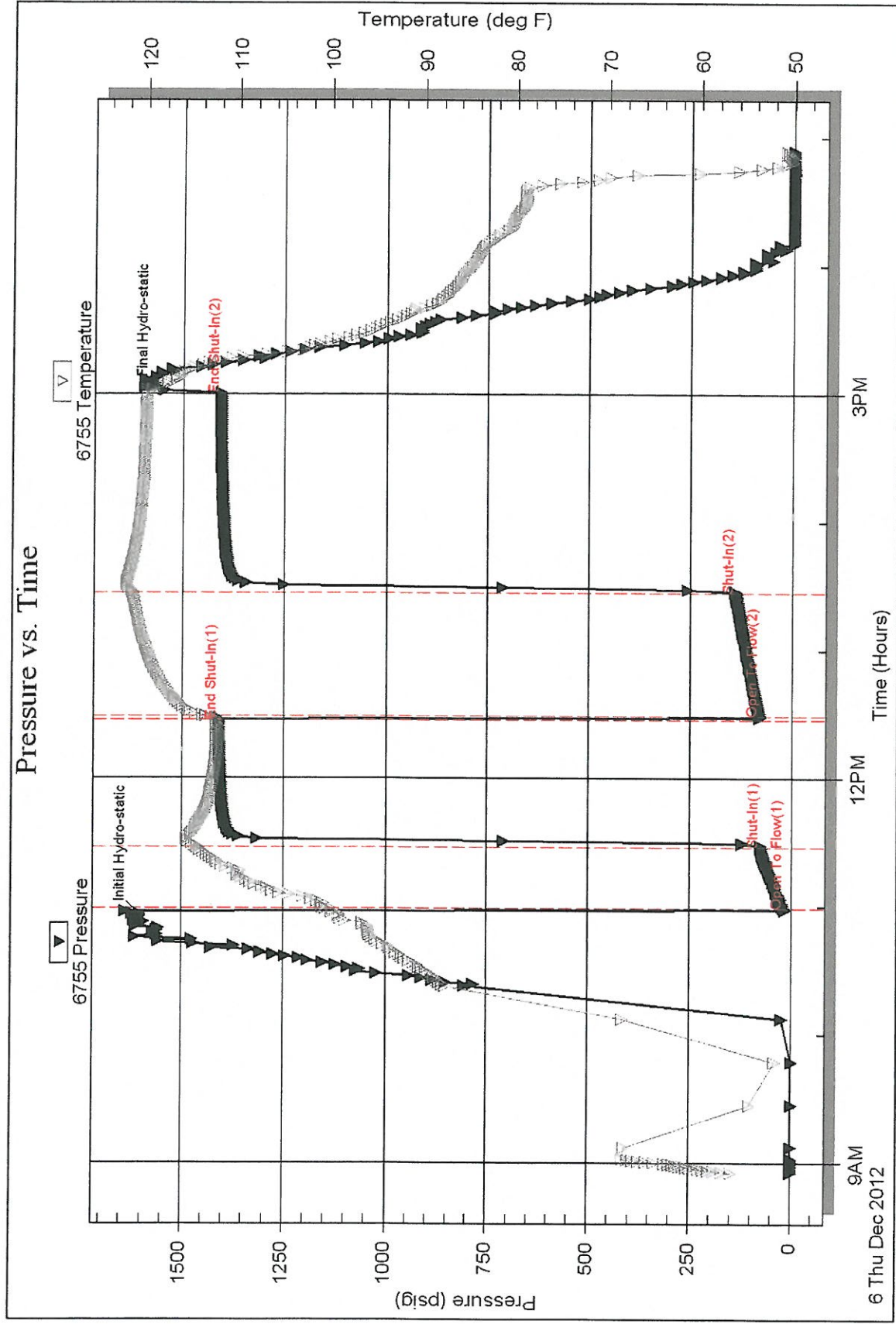
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 6755

Outside Pickett Drtg Co Inc

Regier D#1

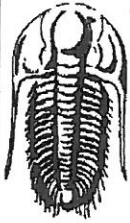
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 49512

Printed: 2012.12.06 @ 17:02:28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drlg Co Inc

24-26-27

100 s Main STE 505
Wichita ks 67202

Regier D #1

Job Ticket: 49513

DST#: 3

ATTN: Larry Richardson/ St

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

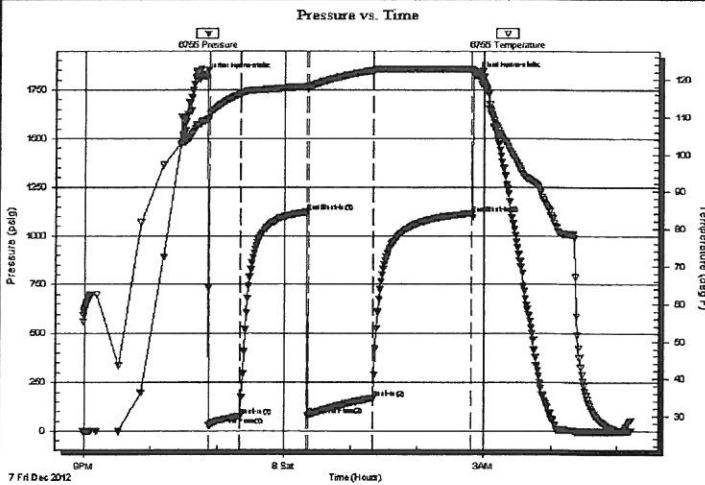
Capacity: 8000.00 psig

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
IS: Weak blow back 2"
FF: Strong blow BOB 2 sec GTS 40 min TSTM
FS: 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

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

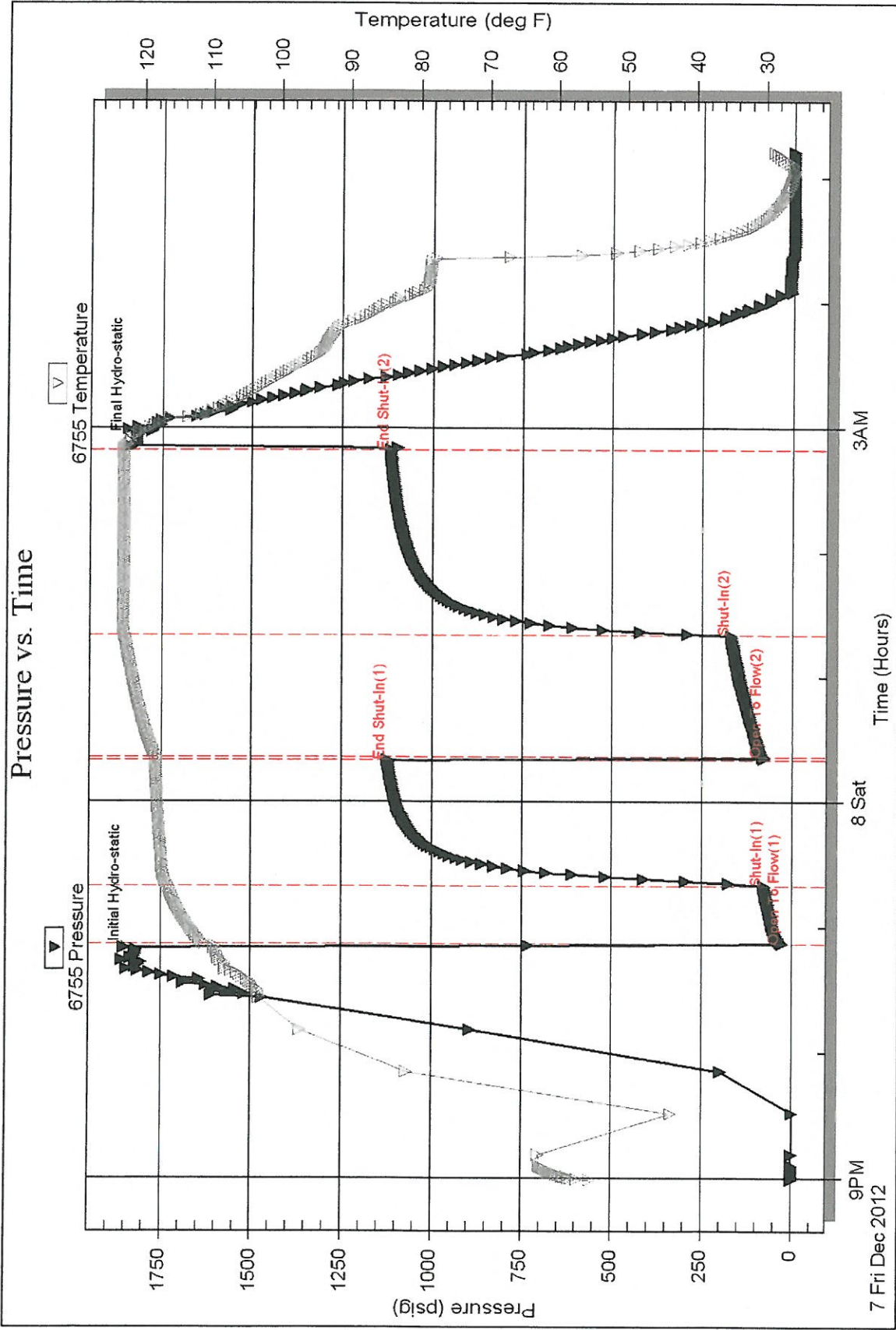
Serial #: 6755

Outside Fickrell Drig Co Inc

Regier D #1

DST Test Number: 3

Pressure vs. Time



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Pickrell Drilling Co. Inc

LEASE Reiger

FIELD W. of East

LOCATION N2 SW SE

SEC 24 TWP 26 S RGE 7W

COUNTY Revo STATE Kansas

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

ELEVATIONS

KB 1584

DF _____

GL 1574

Measurements Are All From KB

CASING SURFACE 257 8 5/8"

PRODUCTION None

ELECTRICAL SURVEYS
Coul/Bans, DIL,
Micks

SAMPLES SAVED FROM 2700s TO TD

DRILLING TIME KEPT FROM 2700 TO TD

SAMPLES EXAMINED FROM 2700 TO TD

GEOLOGICAL SUPERVISION FROM 2310 TO TD

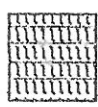
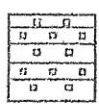
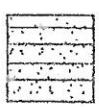


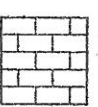
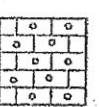
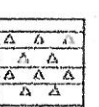

GEOLOGIST ON WELL Steven Petermann

FORMATION TOPS

FORMATION TOPS	LOG	SAMPLES
<u>Heesner</u>	<u>2835</u>	<u>2835</u>
<u>Brown Lime</u>	<u>3057</u>	<u>3057</u>
<u>Leasing</u>	<u>3087</u>	<u>3087</u>
<u>Deann's</u>	<u>3372</u>	<u>3374</u>
<u>Suppc</u>	<u>3420</u>	<u>3420</u>
<u>Mississippa</u>	<u>3720</u>	<u>3721</u>
<u>TD</u>	<u>3792</u>	<u>3792</u>

REMARKS

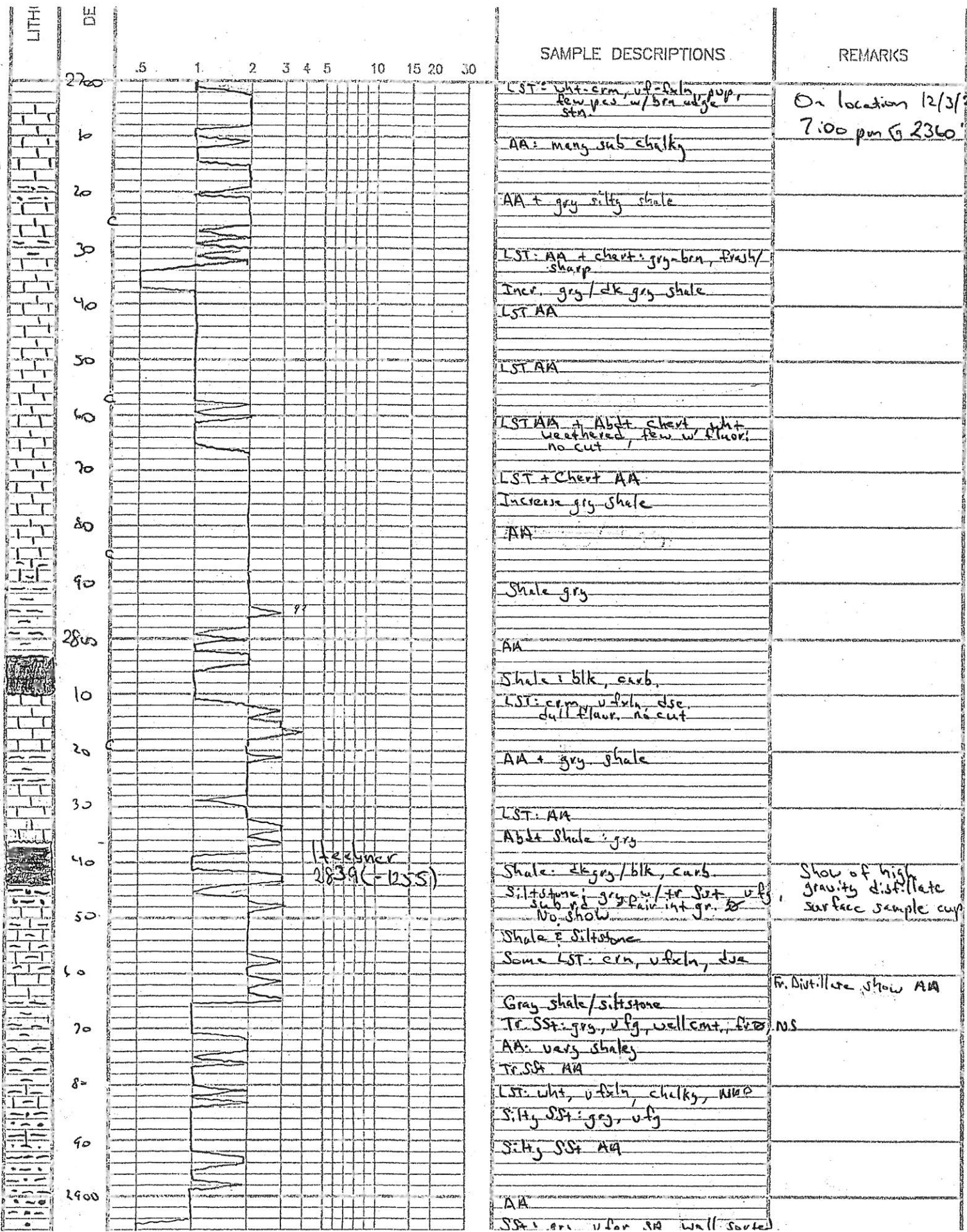
LEGEND

- 
Anhydrite
- 
Salt
- 
Sandstone
- 
Shale
- 
Carbonate
- 
Limestone
- 
Oolitic Limestone
- 
Chert
- 
Dolomite

DRILLING TIME
(Logarithmic Scale)

HLD

LOGIC



SAMPLE DESCRIPTIONS

REMARKS

LST: wht. crn, v. shln, pup,
few pcs w/ brn edge,
stn.

On location 12/31/2014
7:00 pm G 2360

AA: mang. sub cherty

AA + gry silty shale

LST: AA + chert: gry-brn, frash/
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 i blk, carb.

LST: crn, v. shln, 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, w/ tr Sst, vfg,
sub v. d. Fair int. gr. No show

Shale & Siltstone

Some LST: crn, v. shln, dse

Fr. Distillate show AA

Gray shale/siltstone

Tr. Sst: gry, vfg, well cont., fr

NS

AA: v. gry shaley

Tr. Sst AA

LST: wht, v. shln, cherty, w/ brn

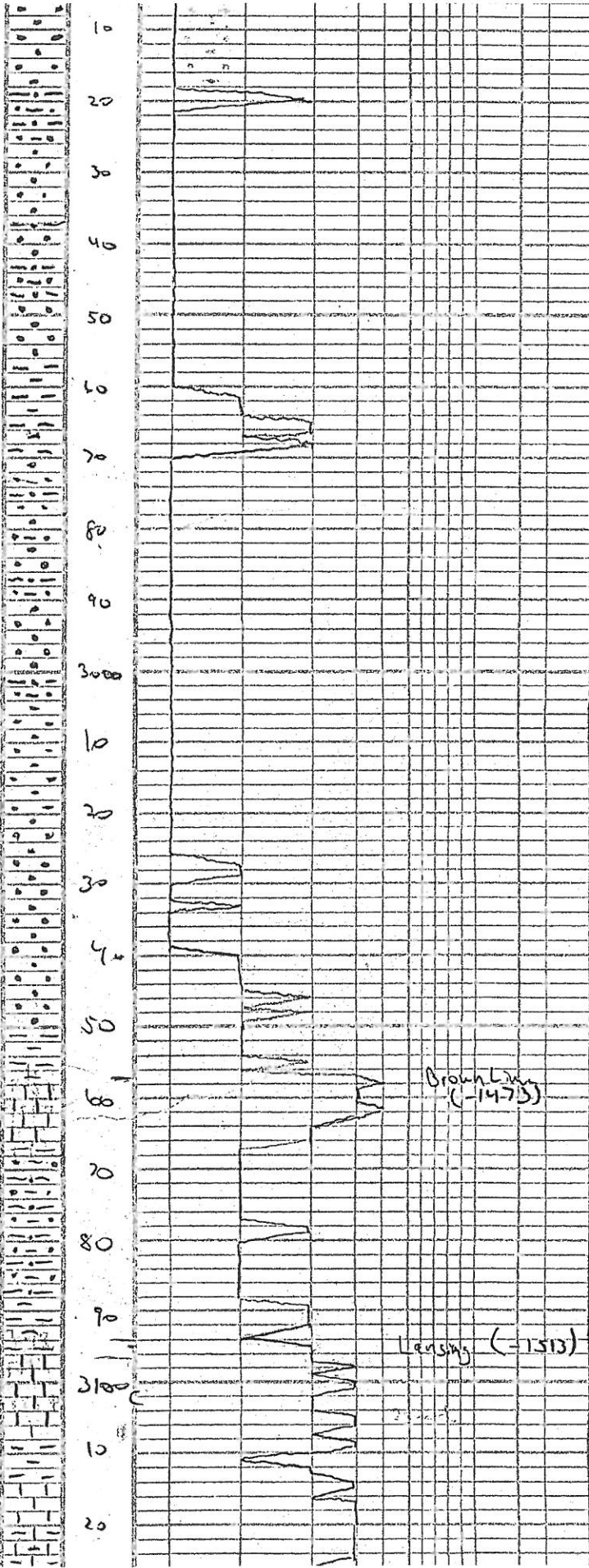
Silty Sst: gry, vfg

Silty Sst AA

AA

Sst: are v. for SA wall sorted

Hezner
2839 (= 1255)



g¹⁰, ns¹⁰, same silty

AA

AA

AA + SST: clv. frosted, fgr, friable
w.r., w.s., micaceous, ns

AA + increase shale

SST: clv. frosted, v.f. fgr, sub-f
fair sandy, micaceous,
many silty, ns

Shale - grn/grj

Shale + SST AA

AA

AA

SST: clv. frosted v.f. fgr sub-f
fair sandy, slightly shaly in part
ns

Displaced Med System @ 3000'

AA

AA

AA

AA

LST: brn cherty, v.f. fgr, fossiliferous
mostly fgr, pup
few w.r. or v.s.s. & ns
med-bright fgr, kv. cut

AA

Shale: grj

AS + SST: v.f. fgr clv-grj
ns

AA

AA

LST: brn, owl / fossiliferous, chalky
dse

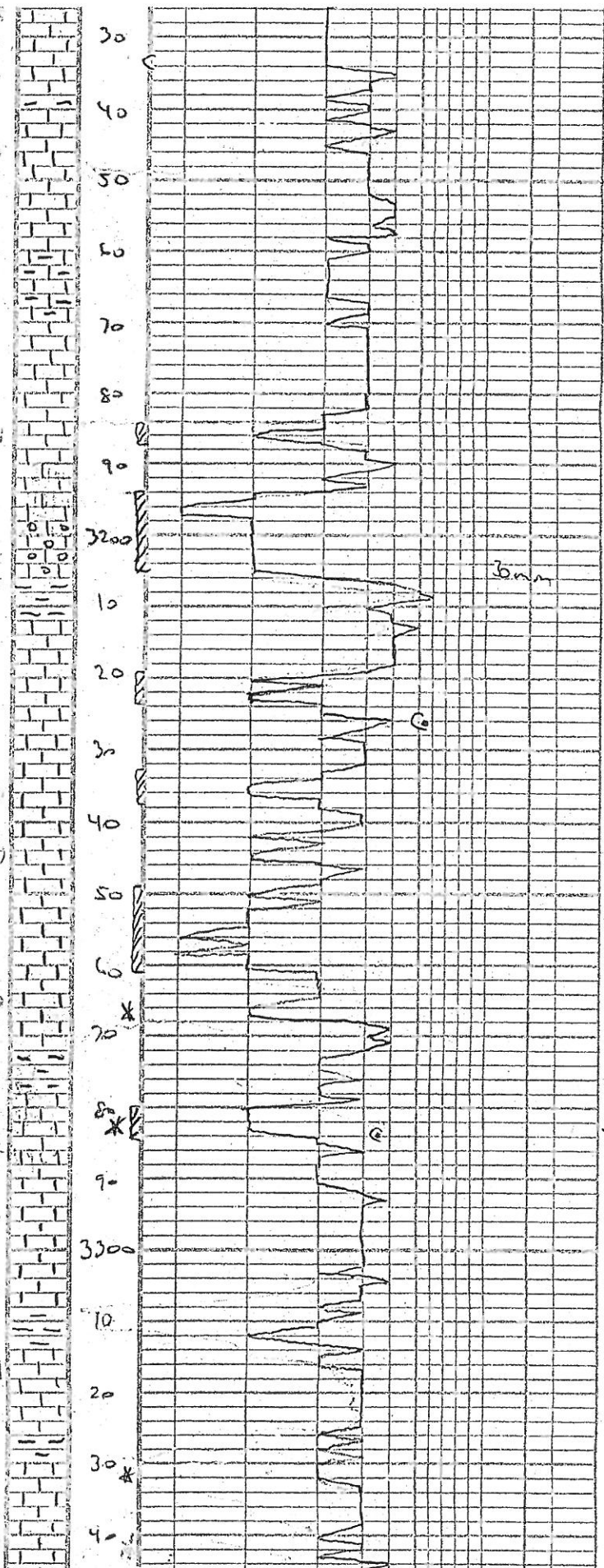
Shale: grj

LST: brn, v.f. fgr, dse, slightly silty
pup

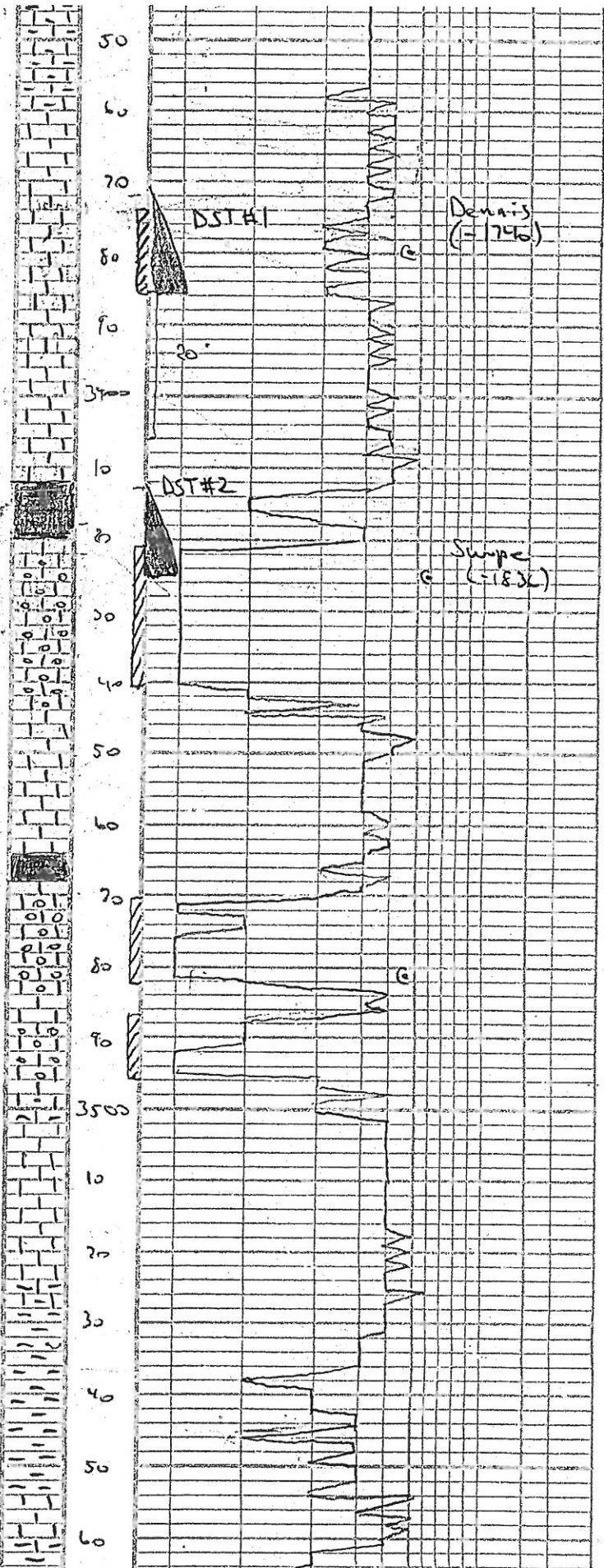
LST: sim-tan, f-muln, fossiliferous
sub-chalky, pup, ns

Brown Linn (-1473)

Lensings (-1513)



Abt Shale - grey / limey	vis 85 8.7#
LST: tan - grey v. f. xln fossiliferous pup vugs & NS	
LST: tan - grey f. m. xln, fossiliferous pup NS	
poor fluor., no cut	
LST: tan - grey v. f. xln many fossiliferous sub chalky, pup, NS	
AA + grey shale	
LST: grey v. f. xln due vug	
LST: tan v. f. xln pup NS many sub chalky	
LST: white v. f. xln chalky NS	No odor No fluorescence
LST: tan xln fossiliferous frag. vugs & NS	No odor No fluorescence
LST: tan xln fossiliferous pup NS	
LST: tan f. m. xln fossiliferous pup NS	No odor Good fluorescence No cut
LST: tan - white v. f. xln chalky NS	No odor Mod. fluor No cut
LST: tan - grey v. f. xln, fossiliferous pup NS	Moderate fluor. No cut No odor
LST: tan - grey f. m. xln fossiliferous frag. vugs & NS	No odor No fluor.
LST: tan - grey - brown v. f. xln pup NS	Mod. fluor dull cut on acid / break
LST: grey v. f. xln some int. xln & + gas on break	
LST: tan - brown xln some int. xln & few w/ brown stain NSFO ? show + gas	v. C2 No odor 8.9# No cut
LST: tan - brown xln v. fossiliferous pup NS	Poor fluor. No cut
LST: AA	
Shale: grey / dk grey calc. SPG	No odor No fluor
LST: grey v. f. xln due	
SPG: tan - brown mottled, xln some int. xln & NS	
LST: tan - grey mottled xln fossiliferous some w/ thin tear vugs & gas	BYF Streaming cut No odor
AA + LST: white xln fr leached vugs &	



LST: crm. matrix v. brn. fxltn
 pup NSTO
 No odor
 No flavor.

Shale: gry - dk gry - fossiliferous
 LST: crm. fxltn v. chally - chally VVP NJ
 No odor
 No flavor.

AA
 Few LST: dk gry / fossiliferous
 dk brn. spotted fxltn
 some chert / tan trash SSC
 Faint odor

LST: brn. f. n. v. fxltn (fossiliferous)
 SSC on break pr. fr. & NS
 DST #1 3370-86 + middle
 30-60-60-90
 570' GIP
 20' WOCM - (10 W, 20 C,
 20 O, 50 M)
 555-650 #

LST: crm. v. fxltn ATJ
 v. ppt. NS

LST: tan. fossiliferous f. m. v. fxltn
 pr. fr. int. xln NS
 Pipe Straps 3' Long
 Windy + dark

Shale: dk gry / blk

LST: tan. v. fxltn good int. xln
 sandy - BRF streamy cut
 Good odor 40"
 Fair odor 60"
 60" duller flavor.

LST: tan. rechrystallized v. good
 matrix or shale on break
 (high gravity) SG
 DST #2 3412-25
 30-60-60-90
 250' LHW - (10 M - 90 W)
 140? - 140 L #

LST: AA - v. ss to (red brn)

LST: tan. gry, v. fxltn, dse

LST: crm. v. fxltn dse

Shale: dk gry / blk

LST: gry - ATJ dse

LST: crm - tan rechrystallized
 fxltn matrix w. gouge dol / ool / barren
 Sulfur odor

LST: tan - gry, v. fxltn ATJ dse

LST: ool / oolc AA

LST: crm. v. fxltn pup sub chally -
 dse

Shale: gry / dk gry

AA

Shale: gry / gry

LST: tan - gry v. fxltn dse
 few brn. S. frack

LST: AA

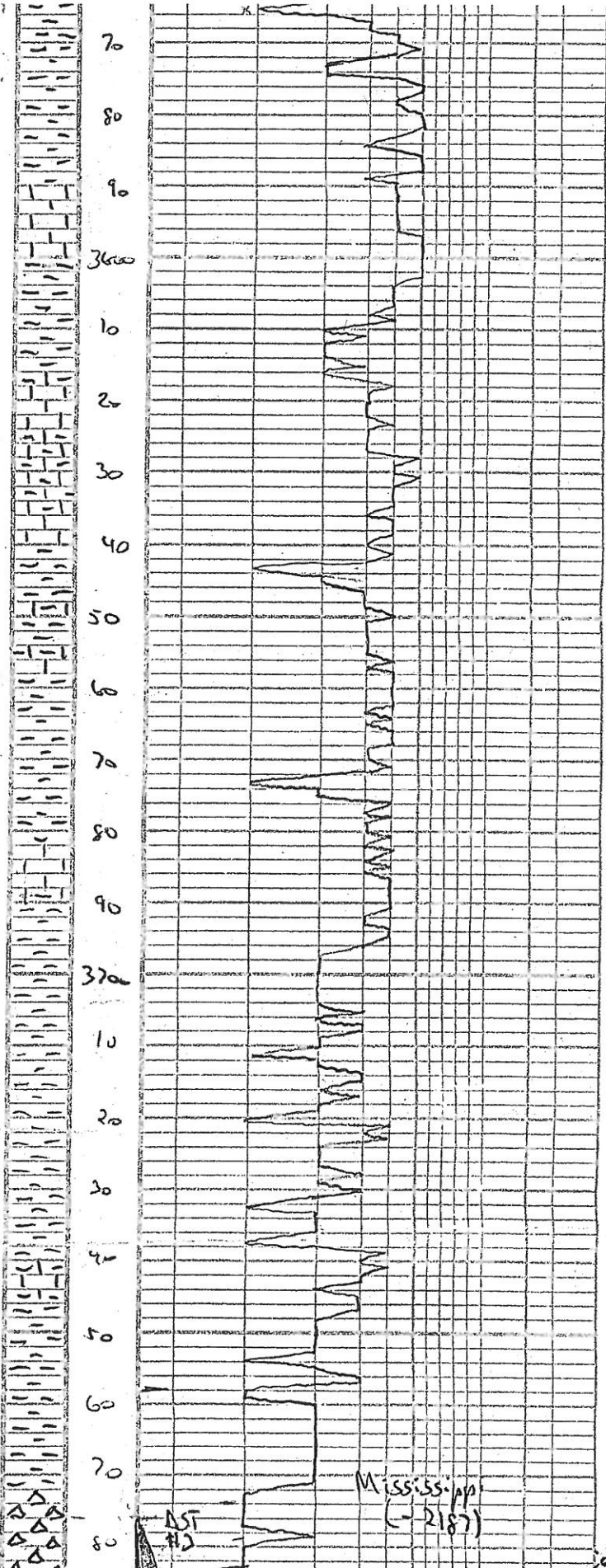
Shale: gry / dk gry

Shale: vc

LST: crm - tan v. fxltn, menj
 chally pup

Shale: gry

No odor No flavor.
No odor No flavor.
Faint odor
DST #1 3370-86 + middle 30-60-60-90 570' GIP 20' WOCM - (10 W, 20 C, 20 O, 50 M) 555-650 #
Pipe Straps 3' Long Windy + dark
Good odor 40" Fair odor 60" 60" duller flavor.
DST #2 3412-25 30-60-60-90 250' LHW - (10 M - 90 W) 140? - 140 L #
Sulfur odor



LST AA
 AA
 Shale: vc
 LST AA + brn Δty LST dse
 LST: vc
 LST: Δty sig/brn dse
 Chert: grs fresh WUP
 LST: tan/brn/dk grs dse
 Shales
 AA + chert ylt tan - tan
 mostly fresh
 Very shaly
 Shale: grs
 LST: wht - crm v. fcln PUP
 v. ss
 Grs. Silty LST
 LST: crm - grs dse
 Shale: grs
 Calc. Shales
 LST: crm - grs v. fcln dse
 Chert: grs fresh dse
 AA
 AA
 LST: grm tan fcln dse Δty
 Shales
 Shales: vc
 Shale: grs/dk grs
 Shale: grs f mar
 AA
 AA + dk grs shale
 AA + LST sm v. fcln pup W
 AA v. shaly shale
 AA
 Shale: grs/red/few gm silty
 Chert: brn - grn dolo/tripolitic
 Chert: wht
 dk black shaly
 Chert: wht fresh weathered

Mod Fluor.
 No cut

