



1052281

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	OND West 1-12
Doc ID	1052281

Tops

Name	Top	Datum
Top Anhydrite	1674	+577
Base Anhydrite	1716	+535
Topeka	3324	-1073
Heebner	3553	-1302
Toronto	3570	-1319
LKC	3586	-1335
BKC	3828	-1577
Marmaton	3916	-1665
Charokee Shale	3962	-1711

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 4812

Phone 785-483-2025

Cell 785-324-1041

Date	2-12-11	Sec.	12	Twp.	13	Range	22	County	Trego	State	KS	On Location		Finish	7:30p.m.
Lease	DVD WEST	Well No.	1-12			Location					Riga 5 NR 3w S.110				

Contractor	Discovery #1	Owner	To Quality Oilwell Cementing, Inc.
Type Job	Surface	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.	224
Csg.	8 5/8	Depth	224
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	
Meas Line		Displace	1380
		Charge To	
		Dewning/Nelson	
		Street	
		City	
		State	
The above was done to satisfaction and supervision of owner agent or contractor.			
		Cement Amount Ordered	
		150 lbs 3 1/2" 2 1/2" 1 1/2"	

EQUIPMENT

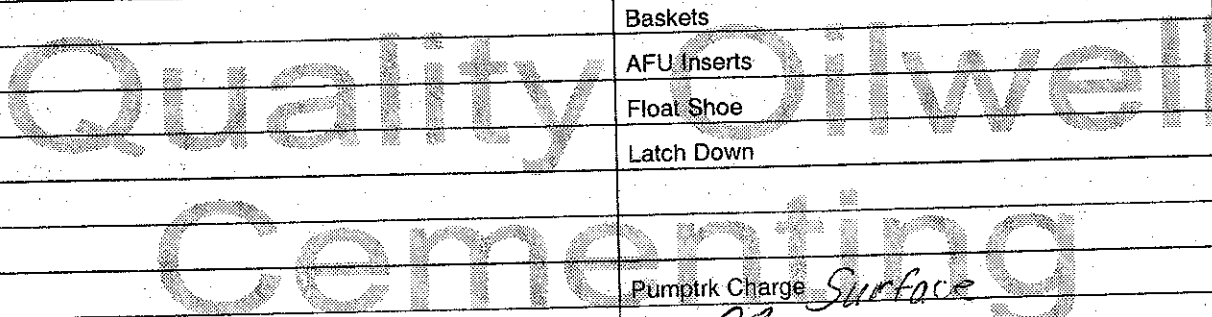
Pumptrk	9	No.	Cement Helper	Clas	Common	150
Bulktrk		No.	Driver		Poz. Mix	
Bulktrk	8	No.	Driver	Clas	Gel.	3
			Driver		Calcium	5

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Koi-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
8 5/8 on bottom Est. Circulation - Mix	Sand
150 SK 4 D 5/8" log	Handling
Cement Circulated	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	



Pumptrk Charge	Surface
Mileage	10
	Tax
	Discount
	Total Charge

X Signature

[Handwritten Signature]

QUALITY OILWELL CEMENTING, INC.

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

Federal Tax I.D.# 20-2886107
 Home Office P.O. Box 32 Russell, KS 67665

No. 4756

Date	2-18-11	Sec.	12	Twp.	13	Range	22	County	Trego	State	Ks	On Location		Finish	10:30 AM
Lease	ONE west		Well No.	1-12		Location		Riga Exit + I-70, S to Rd N,							
Contractor	Discovery #1														
Type	Job plug														
Hole Size	7 7/8"														
Csg.	T.D. 4090'														
Tbg. Size	4 1/2"														
Tool	Depth 1700'														
Cement Left in Csg.	Depth														
Meas Line	Shoe Joint														
	Displace H2O/mud														
Owner	3860 S side														
To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.															
Charge To	Downing - Nelson														
Street															
City															
State	220														
The above was done to satisfaction and supervision of owner agent or contractor.															
Cement Amount Ordered	290 SK 60/40 4% Gel														

EQUIPMENT

Pumptrk	5	No.	Cement Helper	Brandon
Bulktrk	3	No.	Driver	Cisco
Bulktrk	1	No.	Driver	Rick

Common	132
Poz. Mix	88
Gel.	8
Calcium	
Hulls	
Salt	
Flowseal	50#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	28
Mileage	

JOB SERVICES & REMARKS

Remarks:
 Rat Hole 30 SK
 Mouse Hole 15 SK
 Centralizers
 Baskets
 D/V or Port Collar
 1700' - 25 SK
 850' - 100 SK
 295' - 40 SK
 40' - 10 SK
 Rathole - 30 SK
 Mousehole - 15 SK
 Cement did Circulate.

FLOAT EQUIPMENT

Guide Shoe
 Centralizer
 Baskets
 AFU Inserts
 Float Shoe
 Latch Down
 1 - Wooden Dry hole plug

Pumptrk Charge plug
 Mileage 32

X Signature *[Handwritten Signature]*

Tax
 Discount
 Total Charge

DISPLACED

1750

3200

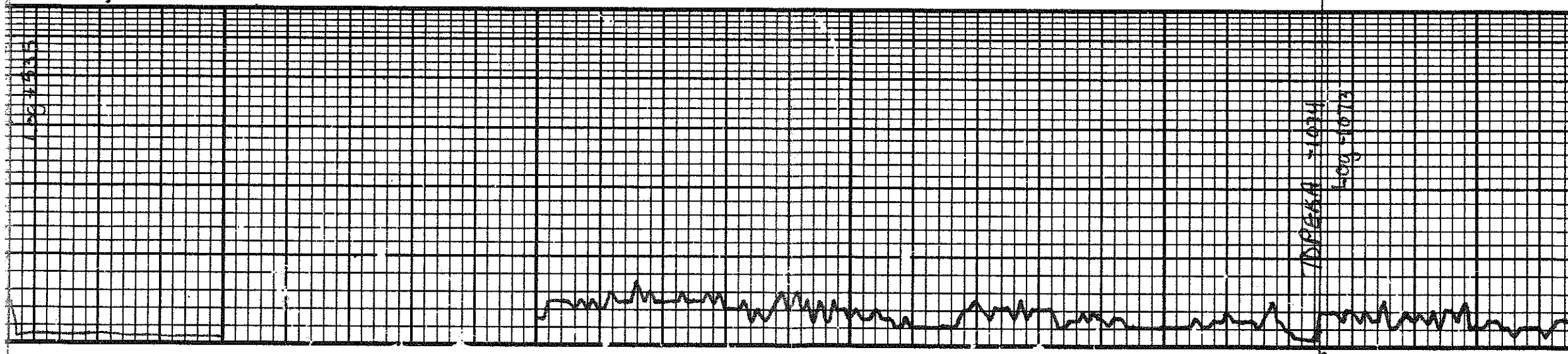
50

3300

50

100-1075

100-1074
100-1073



3400

50

3500

50

3600

LS tan clay fossiliferous
NS.

top clay ls. NS. some
fossils

LS tan - gray - brown
med grn xylid NS

LS GA NS

SH BLK carb

SHV dk gm

LS wh - tan fr xylid
pr xylid NS. fossils

dk gray & brown

LS tan - gray dk
DUS fr xylid fossils pr xylid
NS.

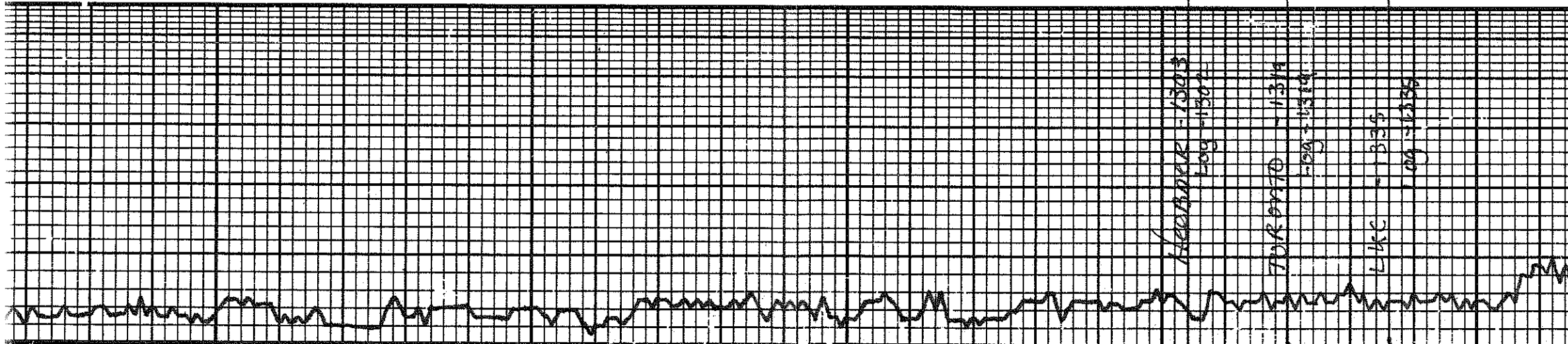
mic xylid LS. tan - wh
DUS no app
of NS.

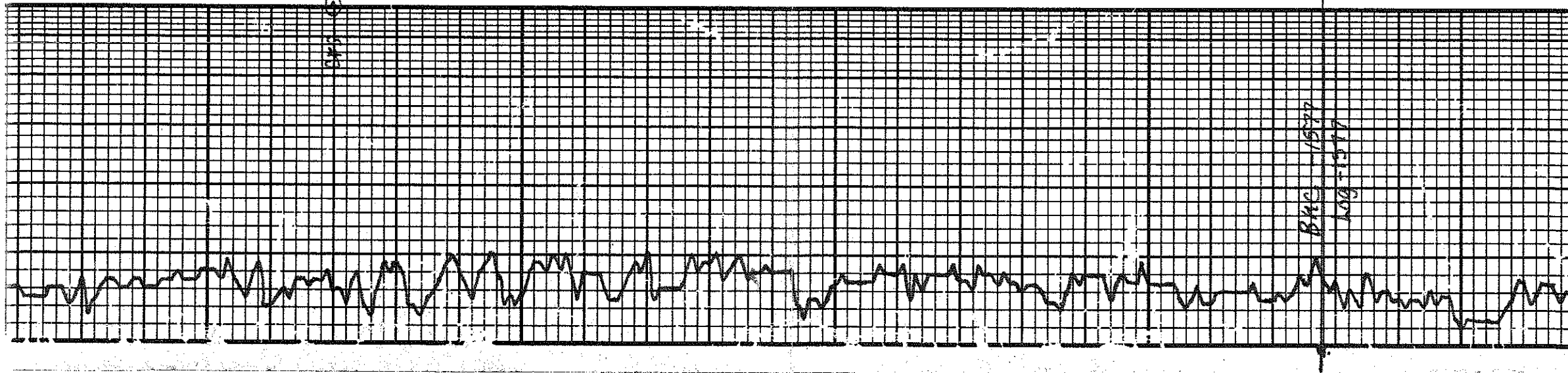
SHV dk gm

RECORDED - 13013
Log - 1301

TURKISH - 1314
Log - 1314

LUKE - 1335
Log - 1335





BAC 1577
NSG 1577

SA BK GRN	LS tan sm glab-foss in fr gm mat DMS, not for mat. Slat in foss.
	slab, 25ft, mst blk scaly int foss
	slab sm mic xyl w gry BARRON
	Dc gry sh
	LS wh tan mic xyl w vudms no appd NS
	SA BLU CAES
	gry Bcn
	LS wh. fo sst foss in vfr mat pr 14/1 & foss fr. w pes BUC int foss sh. no od NSFB
	gry sh
	tan v chky sst LS w/ foss, friable NS
	gry sh
	LS tan fwpes ool-fossil fr intool p friable NS.
	LS wh mic xyl w vudms oo appd NS
	SA BLU CAES
	mic xyl w vudms gry es
	sh sub gry gry
	LS wh fr xyl w suc w/ 1-2 fr 14/1 B NS.
	frng v fr xyl w vudms p r d NS
	SA v dr gry, gry, plky
	DMS TAN-WH fr xyl w ES
	AHL p r p NS.
	aa w/ fr. ch
	sh gry
	LS tan-lt gry mst fr xyl w mod DMS pr 14/1 B NS
	fr w/ fr. foss in fr mat
	W/ fr. ch
	sh v dr gry, gry, Bcn
	LS tan mic xyl w vudms vpr 14/1 B NS.
	as a bms w/ fr. ch wch Bcn
	SA BLU CAES
	LS tan gry Bcn sm chky 14 ft mst fr. end xy to fr. pr 14/1 B NS.
	frng mic xyl w vudms no app DMS
	sh gry v gry
	LS tan gry v frng Bcn oo appd NS.
	SA RO Bcn
	LS gry. Tan mic xyl w v 14/1 B NS

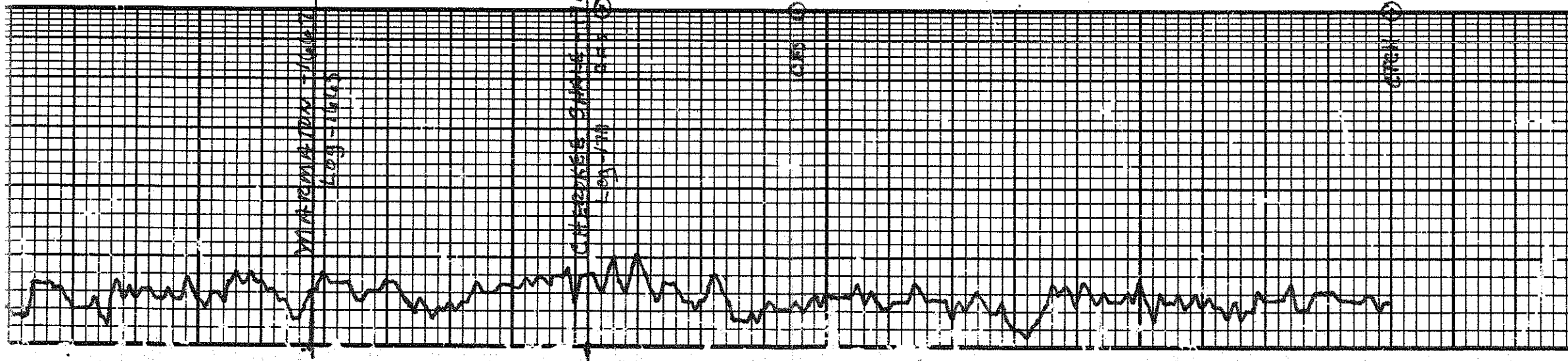
50

3700

50

3800

50



3900

50

4000

50

4100

MATERIALS - 11

LOG - 1675

CHECKS SHALE - 1670

CHECKS SHALE - 1675

ALL SHS grey Bm	ALL SHS grey Bm
Dk grey rd	Dk grey rd
vdms mic ky bu ls v. p. m.	vdms mic ky bu ls v. p. m.
Shs grey Bm rd	Shs grey Bm rd
sm v. dk grey sh	sm v. dk grey sh
orange chd	orange chd
Sh AN grey gm	Sh AN grey gm
LS thin wh mic ky bu ls v. p. m.	LS thin wh mic ky bu ls v. p. m.
NO app of MS.	NO app of MS.
with thin wh op & LS brn sh	with thin wh op & LS brn sh
shaly to ss. st. sh. app grey p.	shaly to ss. st. sh. app grey p.
LS Bm. wh sm spot brn sh v. s. sh.	LS Bm. wh sm spot brn sh v. s. sh.
- s. sh. f. no. d. sm edge st. sh.	- s. sh. f. no. d. sm edge st. sh.
chd. tan wh.	chd. tan wh.
LS chd. wh. tan. app. grey p.	LS chd. wh. tan. app. grey p.
MS	MS
greyish tan wh. Bm chd	greyish tan wh. Bm chd
SH BLK carb	SH BLK carb
Shs grey Bm	Shs grey Bm
tan wh chd	tan wh chd
BLK sh	BLK sh
tan grey wh shp chd MS	tan grey wh shp chd MS
RD. SHALE	RD. SHALE
BLK sh	BLK sh
washes very rd	washes very rd
shs an	shs an
chd wh tan op. yellow shp	chd wh tan op. yellow shp
frsh MS.	frsh MS.
Sh Dk grey Bm	Sh Dk grey Bm
sm. ss. chd. ss. chd. ss. chd. ss. chd.	sm. ss. chd. ss. chd. ss. chd. ss. chd.
W/ int mixed chd & shs, sm	W/ int mixed chd & shs, sm
glau. ss. all MS.	glau. ss. all MS.
ss. chd. ss. chd. ss. chd. ss. chd.	ss. chd. ss. chd. ss. chd. ss. chd.
sm. chd. sm. dirty w/ sm glau.	sm. chd. sm. dirty w/ sm glau.
SH BLK carb	SH BLK carb
v. am. color chd. tan wh shp	v. am. color chd. tan wh shp
frsh	frsh
Dk grey sh	Dk grey sh
v. am. color chd wh tan op. shp	v. am. color chd wh tan op. shp
frsh. sm. grey, sm. tan. p. sh.	frsh. sm. grey, sm. tan. p. sh.
RA	RA
all w/ sm intermixed ss. chd.	all w/ sm intermixed ss. chd.
sm. no. grey chd. sm. only grey	sm. no. grey chd. sm. only grey
dirty. p. sm. sm. glau.	dirty. p. sm. sm. glau.
grey ss. all MS. no. sm.	grey ss. all MS. no. sm.
NO OP	NO OP
mostly all wh chd	mostly all wh chd

R. M. Adams

DST # 1
 3930-3964'
 1st op wh grey 20"
 2nd op red
 I.F.P. 13-18
 F.F.P. 20-22
 SIP 818-719
 HP 1969-1922
 Rec 10' Noem
 30% oil
 70% mud

DST # 1



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

DNOC
 PO Box 372
 Hays, Ks. 67601+0372
 ATTN: R. Nelson

OND west #1-12
12-13s-22w Trego
 Job Ticket: 041550 **DST#: 1**
 Test Start: 2011.02.17 @ 05:14:05

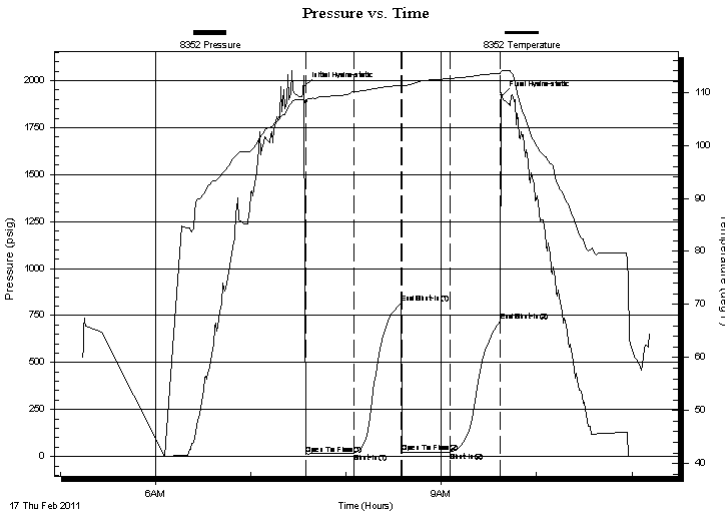
GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:34:30
 Time Test Ended: 11:11:20
 Interval: **3930.00 ft (KB) To 3964.00 ft (KB) (TVD)**
 Total Depth: 3964.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2251.00 ft (KB)
 2243.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8352 Outside
 Press @ RunDepth: 22.40 psig @ 3931.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.02.17 End Date: 2011.02.17 Last Calib.: 2011.02.17
 Start Time: 05:14:05 End Time: 11:11:20 Time On Btm: 2011.02.17 @ 07:33:40
 Time Off Btm: 2011.02.17 @ 09:38:09

TEST COMMENT: IF: Weak surface blow, died in 20 min.
 IS: No Return
 FF: No Blow
 FS: No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.93	108.80	Initial Hydro-static
1	13.21	107.72	Open To Flow (1)
32	18.64	110.11	Shut-In(1)
61	818.76	111.34	End Shut-In(1)
62	20.17	110.97	Open To Flow (2)
92	22.40	112.61	Shut-In(2)
124	719.48	113.60	End Shut-In(2)
125	1922.49	114.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	HOCM o=30% m=70%	0.05

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

DNOC
PO Box 372
Hays, Ks. 67601+0372
ATTN: R. Nelson

OND west #1-12
12-13s-22w Trego
Job Ticket: 041550 **DST#: 1**
Test Start: 2011.02.17 @ 05:14:05

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	HOCM o=30% m=70%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

