KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1045656

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 # 34318
Name: BEREXCO LLC
Address 1: 2020 N. BRAMBLEWOOD
Address 2:
City: WICHITA State: KS Zip: 67206 + __ __ __ __
Contact Person: Dana Wreath
Phone: (316) 265-3311
CONTRACTOR: License # 34317
Name: BEREDCO LLC
Wellsite Geologist: Bryan Bynog
Purchaser:

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 #:

06/29/2010	07/10/2010	09/20/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26005-00-00
Spot Description:
W2 - SW - SE - NW Sec. 16 Twp. 15 S. R. 18 [ ] East [x] West
2310 Feet from [x] North / [ ] South Line of Section
1647 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [x] NW [ ] SE [ ] SW
County: Ellis
Lease Name: Wolf Well #: 5
Field Name: Schoenchen
Producing Formation: Arbuckle
Elevation: Ground: 2030 Kelly Bushing: 2041
Total Depth: 3703 Plug Back Total Depth: 3655
Amount of Surface Pipe Set and Cemented at: 1193 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: 80000 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated
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

- [x] **Letter of Confidentiality Received**
  Date: 10/21/2010
- [x] **Confidential Release Date:** 10/22/2012
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** NAOMI JAMES **Date:** 10/25/2010

Side Two

1045656

Operator Name: BEREXCO LLC Lease Name: Wolf Well #: 5

Sec. 16 Twp. 15 S. R. 18 ☐ East ☑ West County: Ellis

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:
Log
Radiation Guard Log
MicroLog

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

Name	Top	Datum
Attached	Attached	Attached

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	1194	60/40 POZ		3% cc, 2% gel
Production	7.875	5.50	15	3701	Lite & ASC	400	1/4# floseal/sack

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
3611-3619	Common	50	2% gel + fluid loss additive
-			

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
4	3611 - 3619 Arbuckle (squeezed)	750 gallons 15% NEFE	3611 - 3619
4	3621 - 3626 Arbuckle	150 gallons 15% MCA acid	3621 - 3626

TUBING RECORD: Size: 2 7/8" Set At: 3620' Packer At: no packer

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 09/20/2010

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	37	0	46		34

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:
3621 - 3626

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Wolf 5
Doc ID	1045656

Tops

Name	Top	Datum
Anhydrite	1200	(+841)
Anhydrite (base)	1238	(+803)
Heebner	3270	(-1229)
Lansing A	3316	(-1275)
Lansing C	3356	(-1315)
Lansing E	3378	(-1337)
Lansing G	3394	(-1353)
Lansing J	3490	(-1449)
Arbuckle	3598	(-1557)

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	**WOLF # 5**		
Location:	**SWSENW 16-15S-18W ELLIS COUNTY,KANSAS**		
License Number:	**15-051-26005**	**Region:**	**MIDCONTINENT**
Spud Date:	**6-30-2010**	**Drilling Completed:**	**6-10-2010**
Surface Coordinates:	**2310'FNL & 1647'FWL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2030**	**K.B. Elevation (ft):**	**2041**
Logged Interval (ft):	**2700 To: 3700**	**Total Depth (ft):**	**3700**
Formation:	**LAN/KC & ARBUCKLE**		
Type of Drilling Fluid:	**CHEMICAL**		

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: BEREXCO,LLC
Address: P.O. BOX 20380
WICHITA, KANSAS 67208

GEOLOGIST

Name: WILLIAM B. BYNOG
Company:
Address: P.O. BOX 687
PINECLIFFE, CO. 80471
303-642-3681 H 303-250-0727 C

Cores

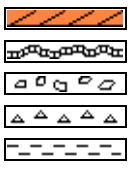
DSTs

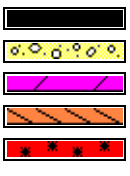
DST#1 3300-50,DST#2 3350-9,DST#3 3420-3520,DST#4 3589-3601, DST#5 3598-3612, DST#6 3616-21, DST#7 3627-33

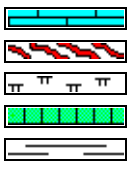
Comments

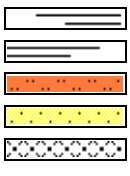
RAN 5 1/2 PRODUCTION PIPE

ROCK TYPES


Anhy
Bent
Brec
Cht
Clyst


Coal
Congl
Dol
Gyp
Igne


Lmst
Meta
Mrlst
Salt
Shale


Shcol
Shgy
Sltst
Ss
Till

ACCESSORIES

FOSSIL
- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

STRINGER
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

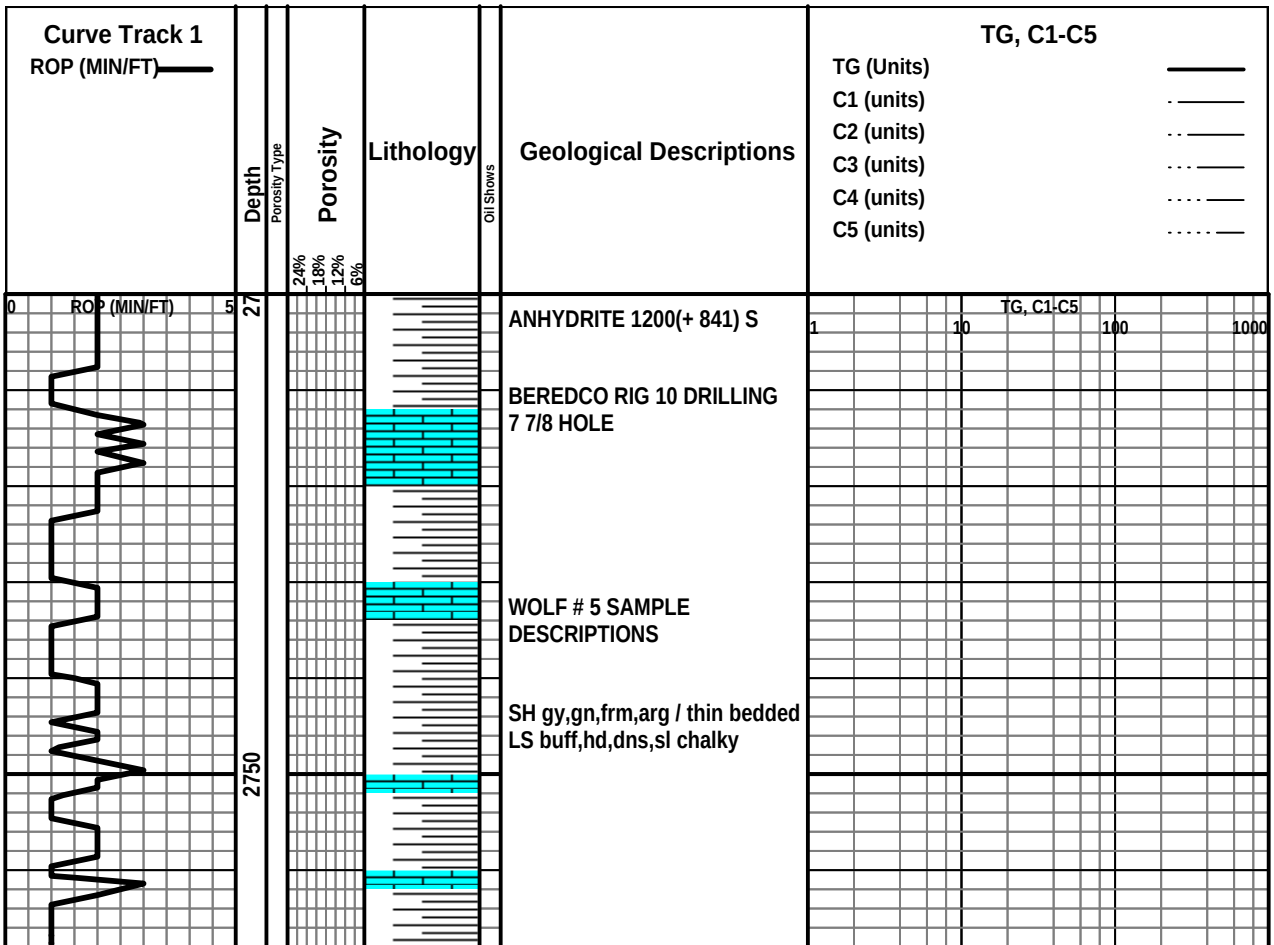
OIL SHOW
- Even
- Spotted
- Ques
- Dead
- Poor

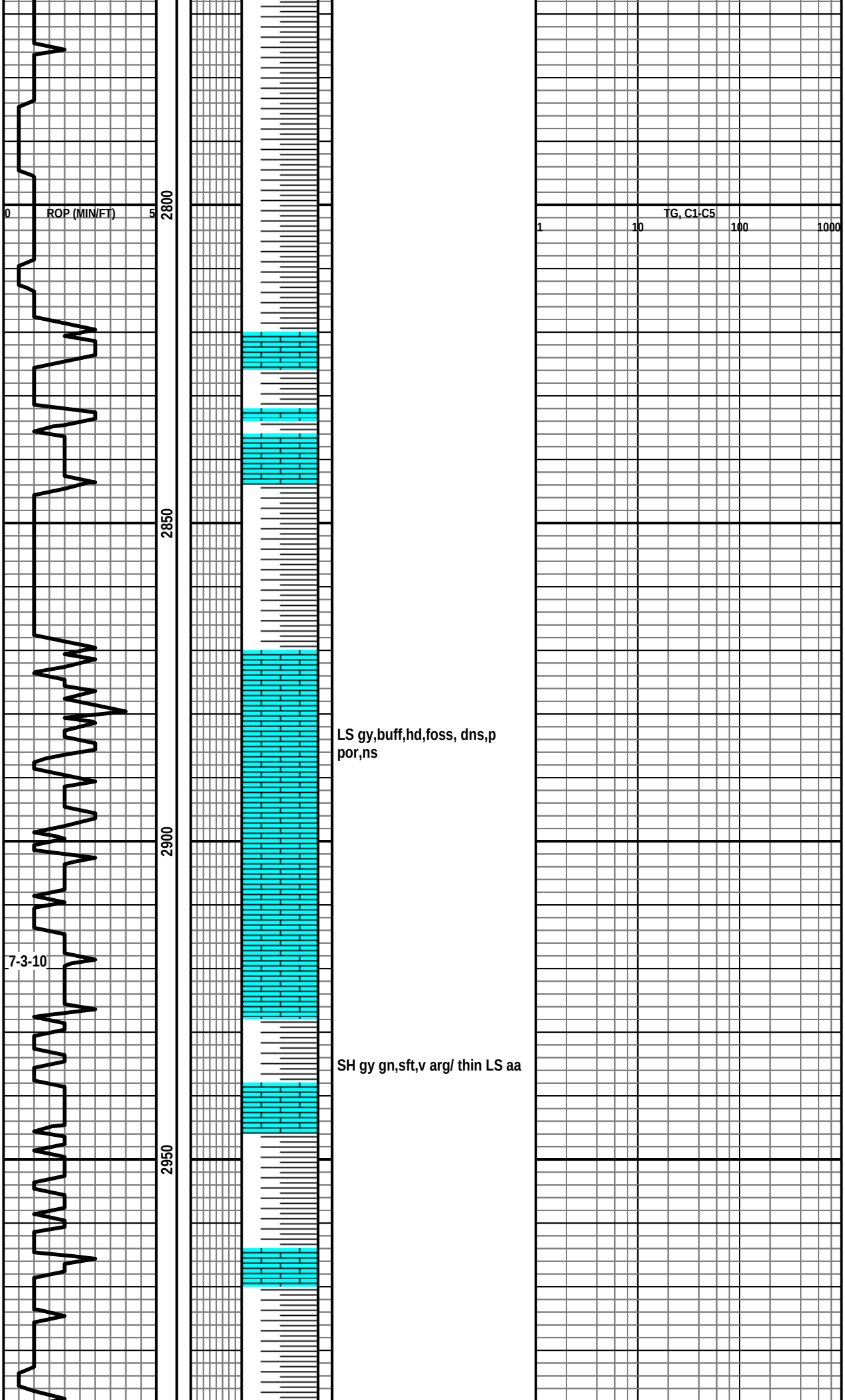
SORTING
- Well
- Moderate

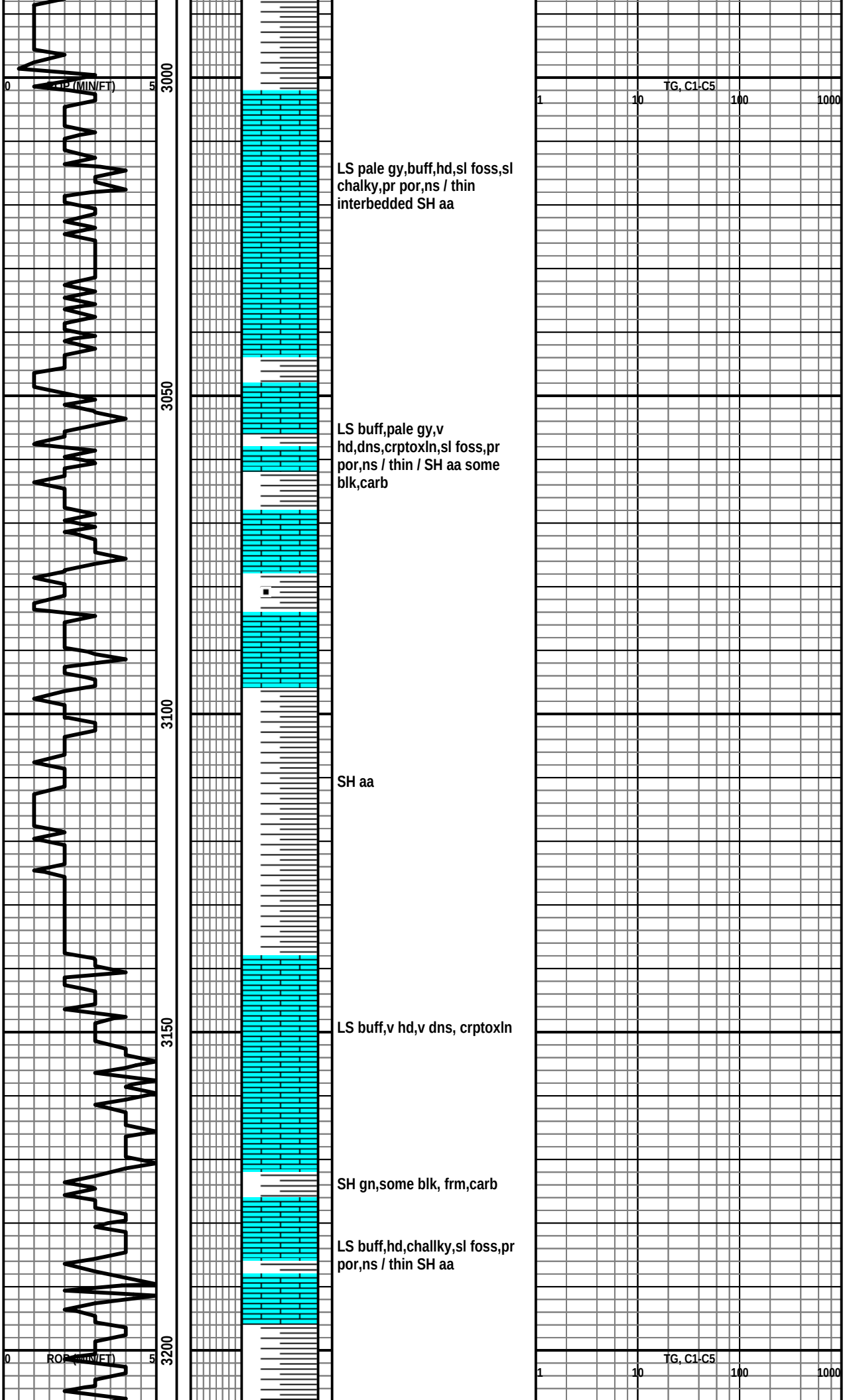
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

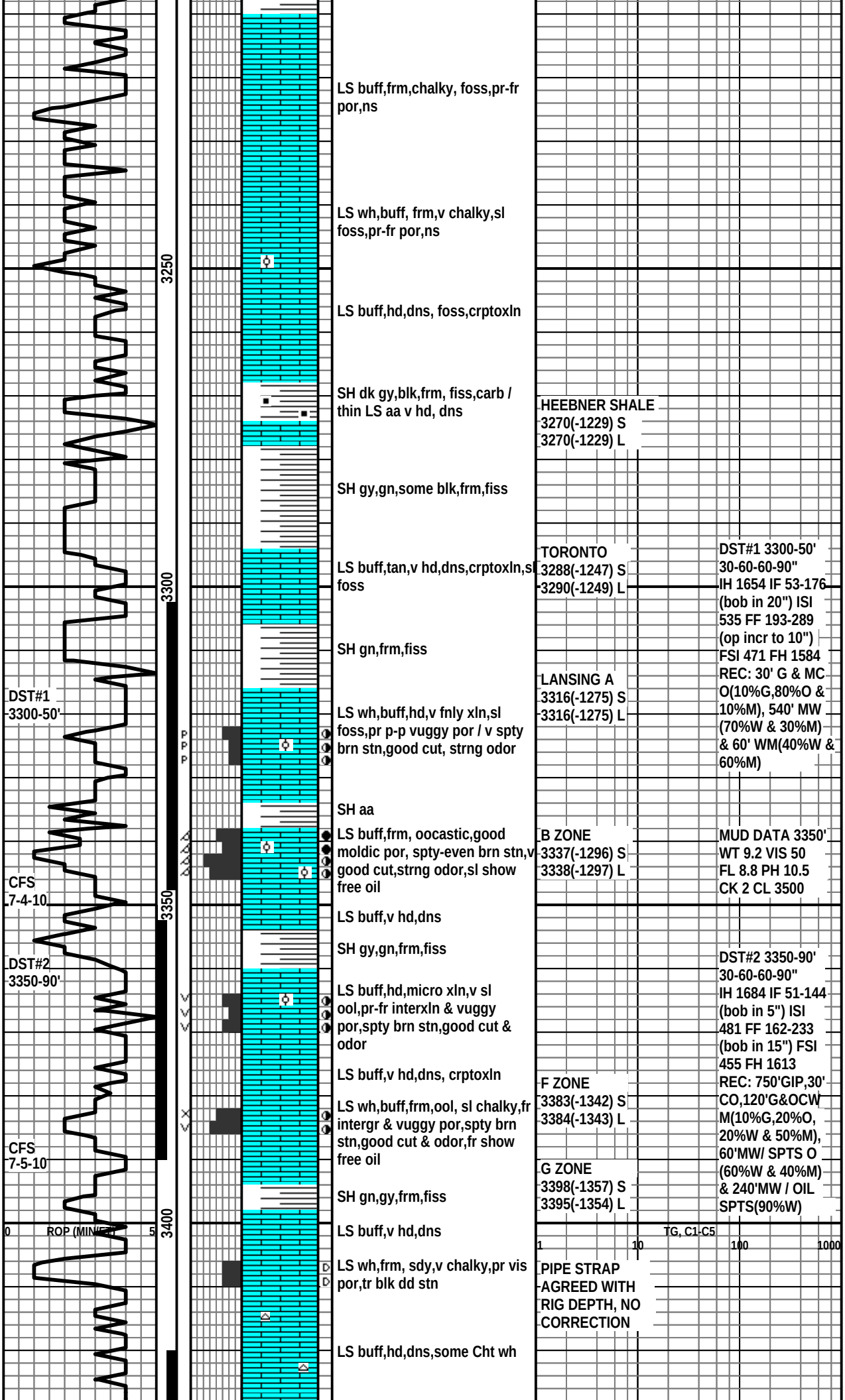
INTERVAL
- Dst
- Dst

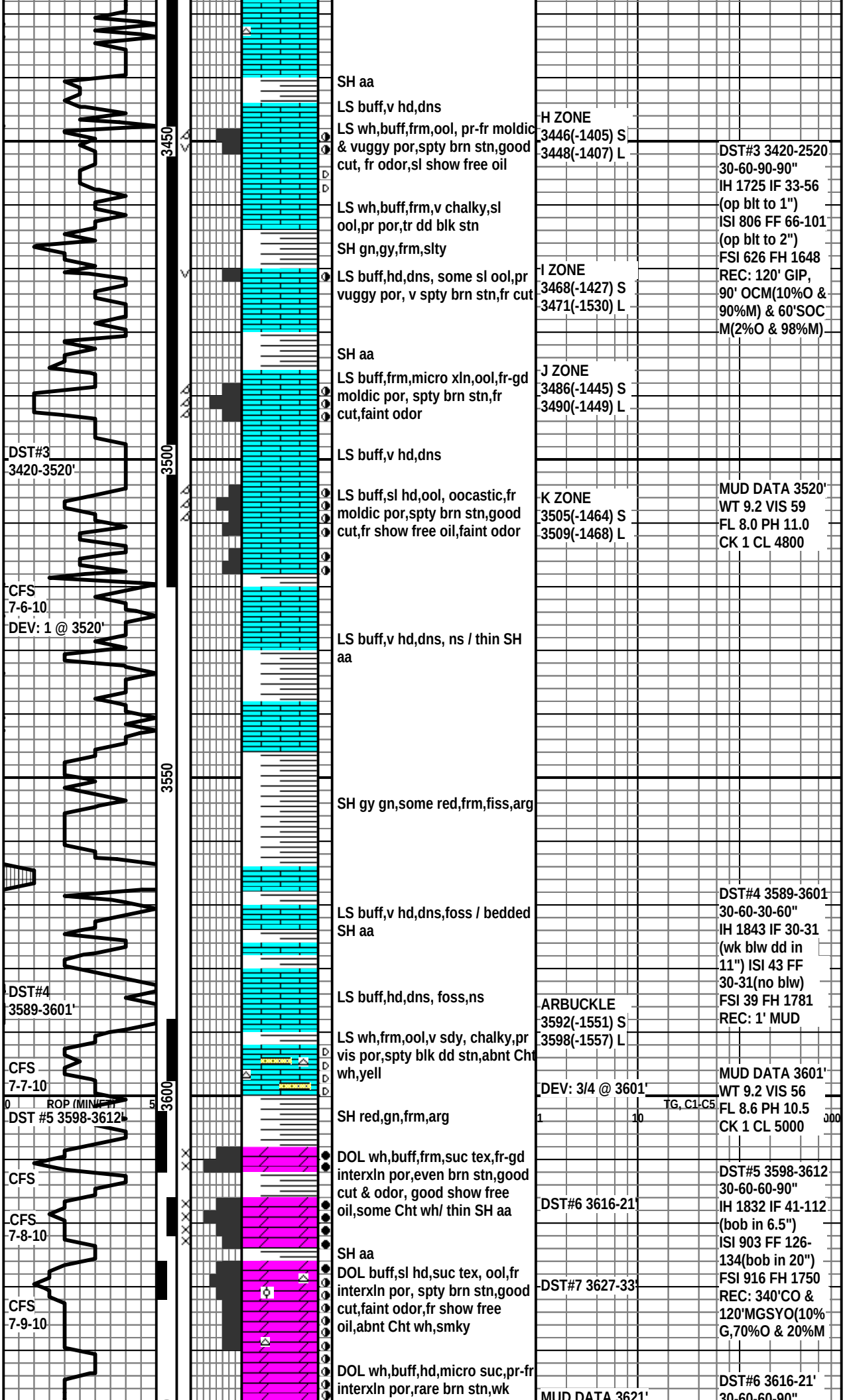
EVENT
- Rft
- Sidewall

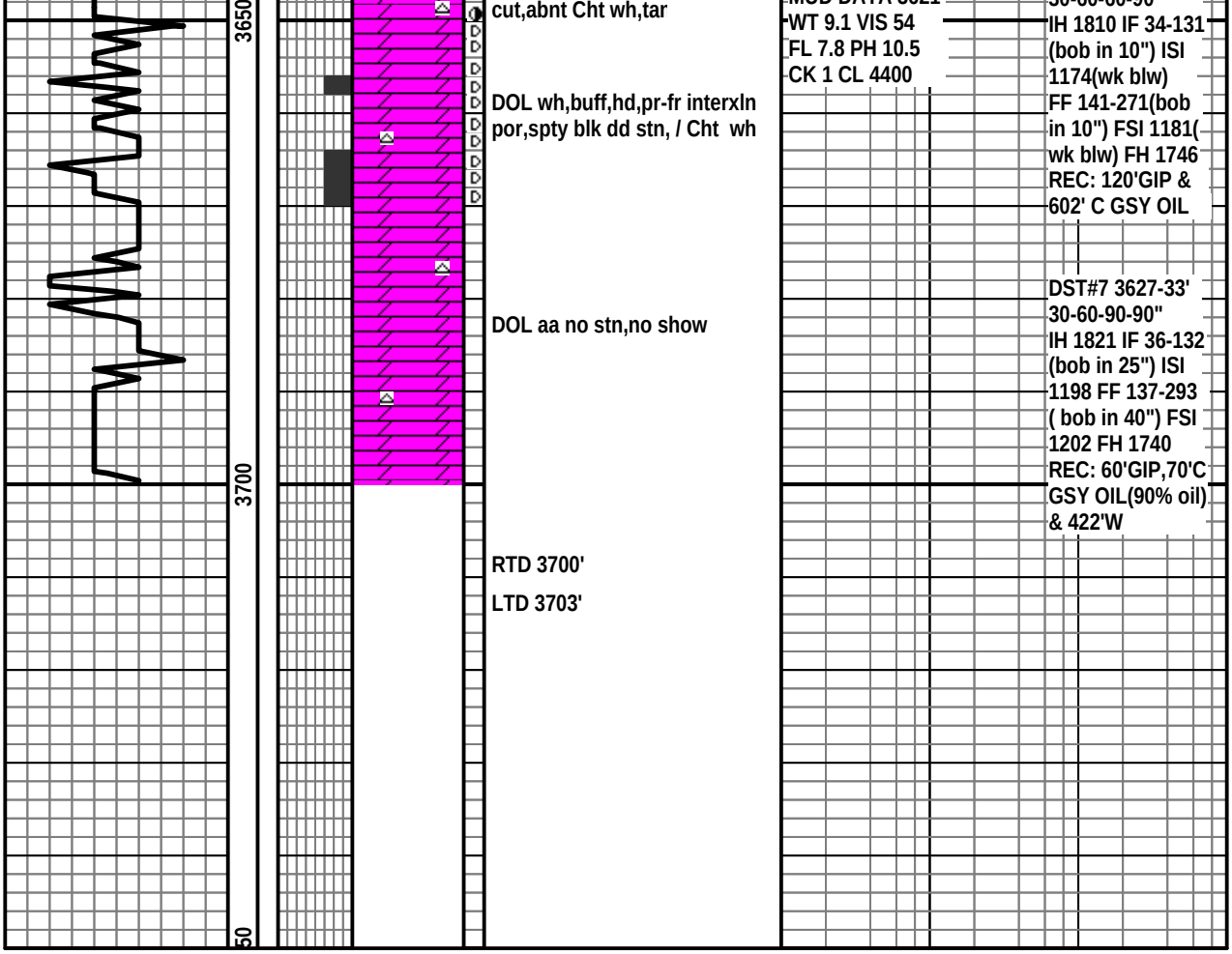



0
ROP (MIN/FT)
5
2800
2850
2900
2950
7-3-10
TG, C1-C5
1
10
100
1000
LS gy,buff,hd,foss, dns,p
por,ns
SH gy gn,sft,v arg/ thin LS aa


0
ROP (MIN/FT)
5
3000
3050
3100
3150
3200
TG, C1-C5
1
10
100
1000
LS pale gy,buff,hd,sl foss,sl chalky,pr por,ns / thin interbedded SH aa
LS buff,pale gy,v hd,dns,crptoxln,sl foss,pr por,ns / thin / SH aa some blk,carb
SH aa
LS buff,v hd,v dns, crptoxln
SH gn,some blk, frm,carb
LS buff,hd,challky,sl foss,pr por,ns / thin SH aa


LS buff,frm,chalky, foss,pr-fr por,ns
LS wh,buff, frm,v chalky,sl foss,pr-fr por,ns
LS buff,hd,dns, foss,crptoxln
SH dk gy,blk,frm, fiss,carb / thin LS aa v hd, dns
HEEBNER SHALE
3270(-1229) S
3270(-1229) L
SH gy,gn,some blk,frm,fiss
TORONTO
3288(-1247) S
3290(-1249) L
LS buff,tan,v hd,dns,crptoxln,sl foss
SH gn,frm,fiss
LANSING A
3316(-1275) S
3316(-1275) L
LS wh,buff,hd,v fnly xln,sl foss,pr p-p vuggy por / v spty brn stn,good cut, strng odor
SH aa
B ZONE
3337(-1296) S
3338(-1297) L
LS buff,frm, oocastic,good moldic por, spty-even brn stn,v good cut,strng odor,sl show free oil
LS buff,v hd,dns
SH gy,gn,frm,fiss
F ZONE
3383(-1342) S
3384(-1343) L
LS buff,hd,micro xln,v sl ool,pr-fr interxln & vuggy por,spty brn stn,good cut & odor
LS buff,v hd,dns, crptoxln
LS wh,buff,frm,ool, sl chalky,fr intergr & vuggy por,spty brn stn,good cut & odor,fr show free oil
G ZONE
3398(-1357) S
3395(-1354) L
SH gn,gy,frm,fiss
LS buff,v hd,dns
LS wh,frm, sdy,v chalky,pr vis por,tr blk dd stn
PIPE STRAP AGREED WITH RIG DEPTH, NO CORRECTION
LS buff,hd,dns,some Cht wh
DST#1 3300-50'
DST#2 3350-90'
CFS 7-4-10
CFS 7-5-10
3250
3300
3350
3400
0
ROP (MIN/FT)
5
TG, C1-C5
1
10
100
1000
DST#1 3300-50'
30-60-60-90"
IH 1654 IF 53-176 (bob in 20") ISI 535 FF 193-289 (op incr to 10") FSI 471 FH 1584
REC: 30' G & MCO(10%G,80%O & 10%M), 540' MW (70%W & 30%M) & 60' WM(40%W & 60%M)
MUD DATA 3350'
WT 9.2 VIS 50
FL 8.8 PH 10.5
CK 2 CL 3500
DST#2 3350-90'
30-60-60-90"
IH 1684 IF 51-144 (bob in 5") ISI 481 FF 162-233 (bob in 15") FSI 455 FH 1613
REC: 750'GIP,30' CO,120'G&OCWM(10%G,20%O, 20%W & 50%M), 60'MW/ SPTS O (60%W & 40%M) & 240'MW / OIL SPTS(90%W)


3450
3500
3550
3600
DST#3
3420-3520'
CFS
7-6-10
DEV: 1 @ 3520'
DST#4
3589-3601'
CFS
7-7-10
DST #5 3598-3612'
CFS
CFS
7-8-10
CFS
7-9-10
0
ROP (MIN/FT)
5
SH aa
LS buff,v hd,dns
LS wh,buff,frm,ool, pr-fr moldic & vuggy por,spty brn stn,good cut, fr odor,sl show free oil
LS wh,buff,frm,v chalky,sl ool,pr por,tr dd blk stn
SH gn,gy,frm,slty
LS buff,hd,dns, some sl ool,pr vuggy por, v spty brn stn,fr cut
SH aa
LS buff,frm,micro xln,ool,fr-gd moldic por, spty brn stn,fr cut,faint odor
LS buff,v hd,dns
LS buff,sl hd,ool, oocastic,fr moldic por,spty brn stn,good cut,fr show free oil,faint odor
LS buff,v hd,dns, ns / thin SH aa
SH gy gn,some red,frm,fiss,arg
LS buff,v hd,dns,foss / bedded SH aa
LS buff,hd,dns, foss,ns
LS wh,frm,ool,v sdy, chalky,pr vis por,spty blk dd stn,abnt Cht wh,yell
SH red,gn,frm,arg
DOL wh,buff,frm,suc tex,fr-gd interxln por,even brn stn,good cut & odor, good show free oil,some Cht wh/ thin SH aa
SH aa
DOL buff,sl hd,suc tex, ool,fr interxln por, spty brn stn,good cut,faint odor,fr show free oil,abnt Cht wh,smky
DOL wh,buff,hd,micro suc,pr-fr interxln por,rare brn stn,wk
H ZONE
3446(-1405) S
3448(-1407) L
I ZONE
3468(-1427) S
3471(-1530) L
J ZONE
3486(-1445) S
3490(-1449) L
K ZONE
3505(-1464) S
3509(-1468) L
ARBUCKLE
3592(-1551) S
3598(-1557) L
DEV: 3/4 @ 3601'
DST#6 3616-21'
DST#7 3627-33'
MUD DATA 3621'
TG, C1-C5
1
10
000
DST#3 3420-2520
30-60-90-90"
IH 1725 IF 33-56
(op blt to 1")
ISI 806 FF 66-101
(op blt to 2")
FSI 626 FH 1648
REC: 120' GIP,
90' OCM(10%O &
90%M) & 60'SOC
M(2%O & 98%M)
MUD DATA 3520'
WT 9.2 VIS 59
FL 8.0 PH 11.0
CK 1 CL 4800
DST#4 3589-3601
30-60-30-60"
IH 1843 IF 30-31
(wk blw dd in
11") ISI 43 FF
30-31(no blw)
FSI 39 FH 1781
REC: 1' MUD
MUD DATA 3601'
WT 9.2 VIS 56
FL 8.6 PH 10.5
CK 1 CL 5000
DST#5 3598-3612
30-60-60-90"
IH 1832 IF 41-112
(bob in 6.5")
ISI 903 FF 126-
134(bob in 20")
FSI 916 FH 1750
REC: 340'CO &
120'MGSYO(10%
G,70%O & 20%M
DST#6 3616-21'
30-60-60-90"


3650
3700
50
cut,abnt Cht wh,tar
DOL wh,buff,hd,pr-fr interxln
por,spty blk dd stn, / Cht wh
DOL aa no stn,no show
RTD 3700'
LTD 3703'
WT 9.1 VIS 54
FL 7.8 PH 10.5
CK 1 CL 4400
IH 1810 IF 34-131
(bob in 10") ISI
1174(wk blw)
FF 141-271(bob
in 10") FSI 1181(
wk blw) FH 1746
REC: 120'GIP &
602' C GSY OIL
DST#7 3627-33'
30-60-90-90"
IH 1821 IF 36-132
(bob in 25") ISI
1198 FF 137-293
(bob in 40") FSI
1202 FH 1740
REC: 60'GIP,70'C
GSY OIL(90% oil)
& 422'W

ALLIED CEMENTING CO., LLC. 041789

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell

DATE 7-1-10	SEC. 16	TWP. 15	RANGE 18	CALLED OUT	ON LOCATION	JOB START 2:00 a.m.	JOB FINISH 2:30 a.m.
LEASE Wolf	WELL # 5		LOCATION Hays 7S 1W 1/2S Into			COUNTY Ellis	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Beredco
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 1194
CASING SIZE 8 5/8 DEPTH 1194
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 42'
CEMENT LEFT IN CSG. 42'
PERFS.
DISPLACEMENT 73 1/4 BBL

OWNER

CEMENT
AMOUNT ORDERED 425 60/40 3%cc 2%Gel

EQUIPMENT

PUMP TRUCK CEMENTER Craig
398 HELPER Paul
BULK TRUCK
423 DRIVER Ron
BULK TRUCK
DRIVER

COMMON	255	@ 13.50	3442.50
POZMIX	170	@ 7.55	1283.50
GEL	7	@ 20.25	141.75
CHLORIDE	14	@ 51.50	721.00
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	212	@ 2.25	477.00
MILEAGE	.10/sk/mile		300.00
		TOTAL	6365.75

REMARKS:

Insert set @ 1152. Est. Circulation. Mix 425sk & Displace Plug. Plug landed 500ps. Cement Circulated.

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			991.00
EXTRA FOOTAGE		@	
MILEAGE	8	@ 7.00	56.00
MANIFOLD		@	
		@	
		@	
		TOTAL	1047.00

CHARGE TO: Beredco
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8 Baffle Plate			67.20
3 Centralizers		@ 49.00	147.00
Rubber Plug		@	74.00
		@	
		@	
		@	
		TOTAL	288.20

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.

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE

ALLIED CEMENTING CO., LLC. 041551

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell

DATE 7/10/14	SEC. 16	TWP. 15	RANGE 18	CALLED OUT	ON LOCATION	JOB START 3:00p.m.	JOB FINISH 3:30 p.m.
LEASE Wolf	WELL # 5		LOCATION Hays KS. 7 1/2 S			COUNTY Ellis	STATE KS
OLD OR NEW (Circle one)			1W 1/2 S Ents				

CONTRACTOR Beredco Drilling
TYPE OF JOB Production Strings
HOLE SIZE 7 7/8 T.D. 3700'
CASING SIZE 5 1/2 15.5 DEPTH 3701'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 60.
CEMENT LEFT IN CSG. 60'
PERFS.
DISPLACEMENT 88.84661

OWNER

CEMENT
AMOUNT ORDERED 200 Lite 1/4# Flo
200 ASC

EQUIPMENT

PUMP TRUCK CEMENTER Shane
417 HELPER ~~Heath~~ Shane
BULK TRUCK
473-187 DRIVER Heath
BULK TRUCK
378 DRIVER John

COMMON		@		
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC	200	@	16.70	3340.00
		@		
Lite	200	@	11.85	2370.00
Flo Seal	50#	@	2.45	122.50
		@		
		@		
		@		
		@		
		@		
HANDLING	400	@	2.25	900.00
MILEAGE	100/sk/mile			320.00
			TOTAL	7052.50

REMARKS:

Insert @ 3641
Mouse Hole 20sks
Rat Hole 30sks
Est Circulation. Mix 500 Gal WFR-2
Plug Rat & Mouse
Mix Cement, Shut down wash
Pump & Circ. Displaced 88.84661
Casing Plug @ 1500 psi
Float Held!

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				1957.00
EXTRA FOOTAGE		@		
MILEAGE	8	@	7.00	56.00
MANIFOLD		@		
		@		
		@		
			TOTAL	2013.00

CHARGE TO: Beredco
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

Rubber Plug			43.00
Guide Shoe	@		101.00
AFU-Insert	@		112.00
10 Centr	@	35.00	350.00
Rotating Head	@		N-C
2-Limit Clamps	@	27.00	54.00
		TOTAL	660.00

Thanks Sir

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.

SALES TAX (If Any)
TOTAL CHARGES [redacted]
DISCOUNT [redacted] IF PAID IN 30 DAYS

PRINTED NAME
SIGNATURE Mark Jack

ALLIED CEMENTING CO., LLC. 041936

Federal Tax I.D.# 20-5975804

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

OKMAR

SERVICE POINT: Russell Ks.

DATE 9-9-10	SEC. 12	TWP. 20S	RANGE 24W	CALLED OUT	ON LOCATION	JOB START 6:00 PM	JOB FINISH 6:30PM
LEASE WOLF	WELL # 5	LOCATION Hay's 7S To Noe Fork Rd 1W 1/2S 1/2E 4S Into				COUNTY Ellis	STATE Kansas
OLD OR (NEW) (Circle one)							

CONTRACTOR Co Tool's
TYPE OF JOB Squeeze
HOLE SIZE T.D.
CASING SIZE 5 1/2 DEPTH
TUBING SIZE 2 7/8 DEPTH
DRILL PIPE DEPTH Packer
TOOL Co. Tool's DEPTH @ 3143
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS. @ 3611 - 3619
DISPLACEMENT T- 18 1/2 BBL C-9 BBL

OWNER

CEMENT
AMOUNT ORDERED 50 sx Comm.
5# Fl-10 Cement Friction Reducer

EQUIPMENT

PUMP TRUCK CEMENTER Glenn
417 HELPER Heath
BULK TRUCK
378 DRIVER David Tw
BULK TRUCK
DRIVER

COMMON	50 sx	@ 11.60	580.00
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
Fl-10	5#	@ 11.80	59.00
HANDLING		@ 2.25	112.50
MILEAGE			375.00
		TOTAL	1126.50

REMARKS:
Load Hole & Recived Circulation, Turn Oil From well.
Spot 50 sx Cement @ 3638' Displaced 18 1/2 BBL. Pulled up To 3208, & Wash-Clean. Set Packer @ 3143, & Squeezed To 800#. Ran Down To 3403 & Washed CSG Clean. Pulled up To 3080 & Set Packer, Pressured To 800 #, & Shut In Overnight.
THANKS!

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE 991.00
EXTRA FOOTAGE @
MILEAGE 28 @ 2.00 56.00
MANIFOLD Yes @
@
@
TOTAL 1047.00

CHARGE TO: Berexco Inc.
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@
TOTAL

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.

SALES TAX (If Any)
TOTAL CHARGES [redacted]
DISCOUNT [redacted] IF PAID IN 30 DAYS

PRINTED NAME
SIGNATURE Mark Jones

October 19, 2010

Dana Wreath
BEREXCO LLC
2020 N. BRAMBLEWOOD
WICHITA, KS 67206

Re: ACO1
API 15-051-26005-00-00
Wolf 5
NW/4 Sec.16-15S-18W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Dana Wreath

DRILL STEM TEST REPORT

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038986 **DST#: 1**

Test Start: 2010.07.04 @ 10:12:01

GENERAL INFORMATION:

Formation: **KC A-B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:07:45
Time Test Ended: 19:40:45

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 38

Interval: 3300.00 ft (KB) To 3350.00 ft (KB) (TVD)
Total Depth: 3350.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

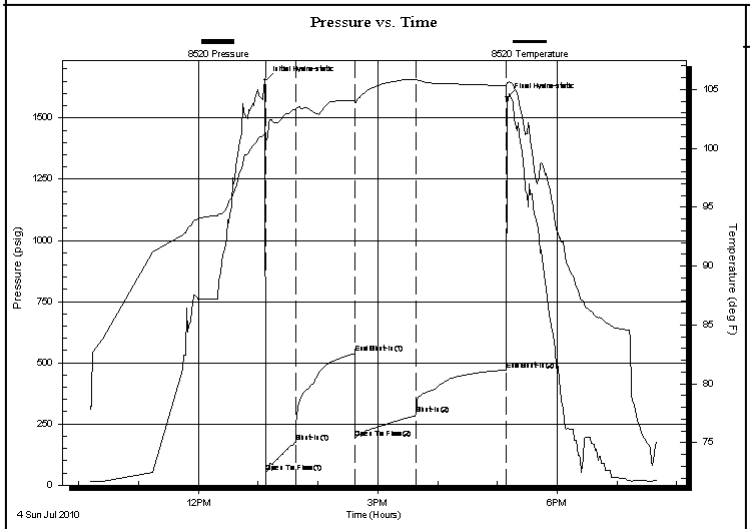
Reference Elevations: 2041.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8520 **Outside**

Press@RunDepth: 289.34 psig @ 3301.00 ft (KB)
Start Date: 2010.07.04 End Date: 2010.07.04
Start Time: 10:12:01 End Time: 19:40:45

Capacity: 8000.00 psig
Last Calib.: 2010.07.04
Time On Btm: 2010.07.04 @ 13:07:15
Time Off Btm: 2010.07.04 @ 17:09:30

TEST COMMENT: IF: Strong BOB 20 min
IS: No Return
FF: Strong 10 inches
FS: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.66	101.16	Initial Hydro-static
1	53.11	100.72	Open To Flow (1)
31	176.42	103.35	Shut-In(1)
90	538.25	104.05	End Shut-In(1)
91	193.22	103.91	Open To Flow (2)
151	289.34	105.85	Shut-In(2)
241	471.18	105.33	End Shut-In(2)
243	1584.96	105.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WM 40%w 60%m	0.30
540.00	MW 30%m 70%w	4.27
30.00	GMCO 10%g 80%o 10%m	0.35

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038986 **DST#: 1**

Test Start: 2010.07.04 @ 10:12:01

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:	bbl		
Water Loss:	8.76 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	inches				

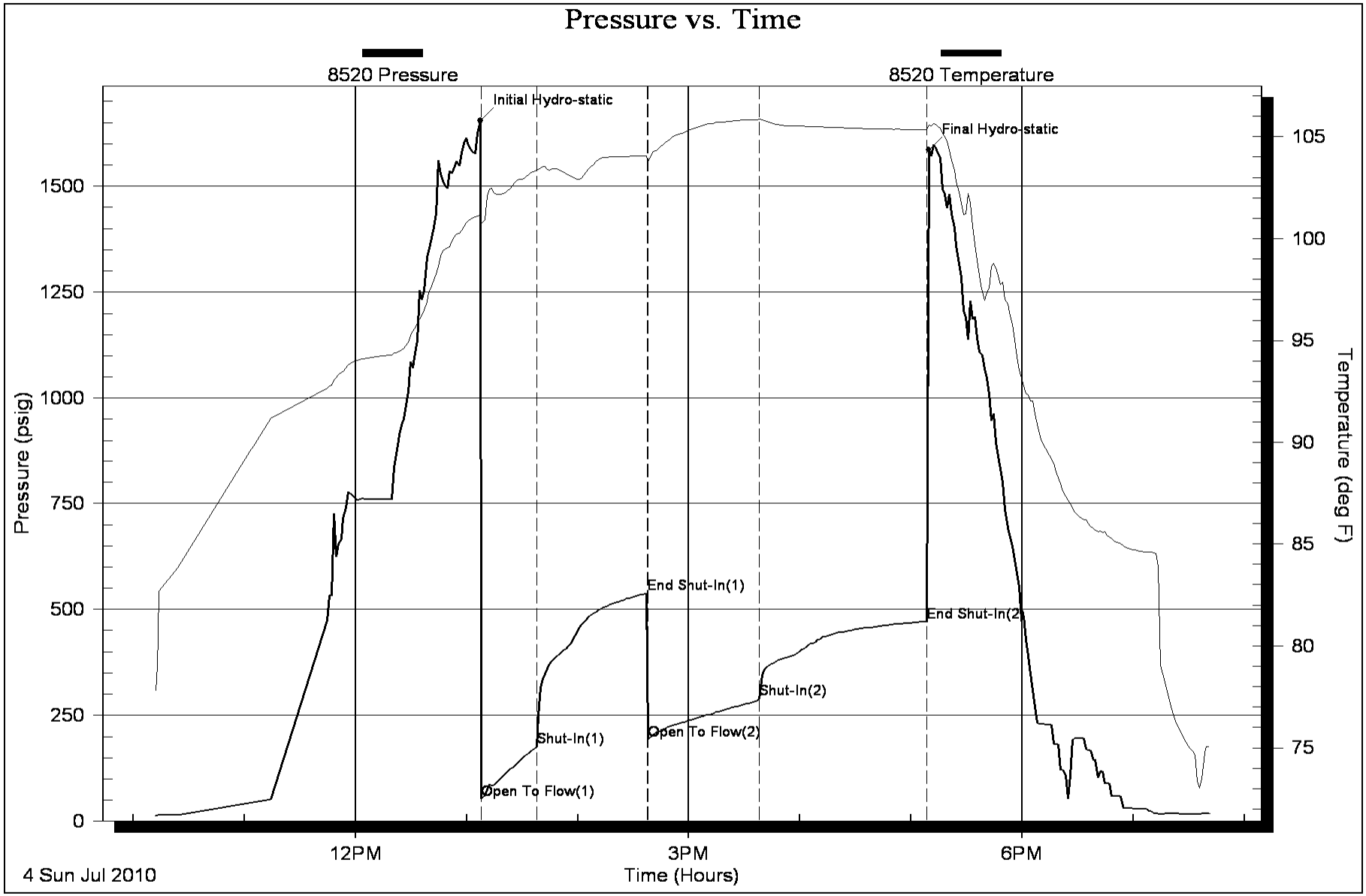
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WM 40%w 60%m	0.295
540.00	MW 30%m 70%w	4.266
30.00	GMCO 10%g 80%o 10%m	0.351

Total Length: 630.00 ft Total Volume: 4.912 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8520 Pressure
8520 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
0
250
500
750
1000
1250
1500
75
80
85
90
95
100
105
12PM
3PM
6PM
4 Sun Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038987 **DST#: 2**

Test Start: 2010.07.05 @ 04:00:01

GENERAL INFORMATION:

Formation: **LKC- C,D,E,F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:28:30
Time Test Ended: 13:47:30

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 38

Interval: 3350.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3350.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

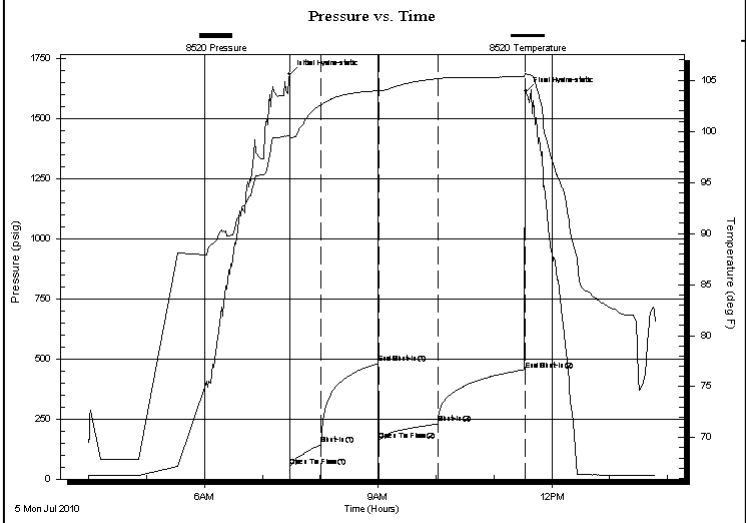
Reference Elevations: 2041.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8520 **Outside**

Press@RunDepth: 233.24 psig @ 3351.00 ft (KB)
Start Date: 2010.07.05 End Date: 2010.07.05
Start Time: 04:00:01 End Time: 13:47:30

Capacity: 8000.00 psig
Last Calib.: 2010.07.05
Time On Btm: 2010.07.05 @ 07:28:15
Time Off Btm: 2010.07.05 @ 11:33:00

TEST COMMENT: IF: Strong, BOB 5 min
IS: Return blow , 15 min
FF: Strong, BOB 15 min
FS: Return blow ,5 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.66	99.64	Initial Hydro-static
1	51.97	99.24	Open To Flow (1)
33	144.45	102.61	Shut-In(1)
92	481.15	103.99	End Shut-In(1)
93	162.95	103.94	Open To Flow (2)
154	233.24	105.16	Shut-In(2)
244	455.62	105.33	End Shut-In(2)
245	1613.55	105.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	OSMW m=10% w=90%	1.18
60.00	OSMW m=40% w=60%	0.30
120.00	GOCWM g=10% o=20% w=20% m=50%	0.98
30.00	CO o=100%	0.35
750.00	GIP	8.77

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038987 **DST#: 2**

Test Start: 2010.07.05 @ 04:00:01

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:	bbl		
Water Loss:	8.74 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	inches				

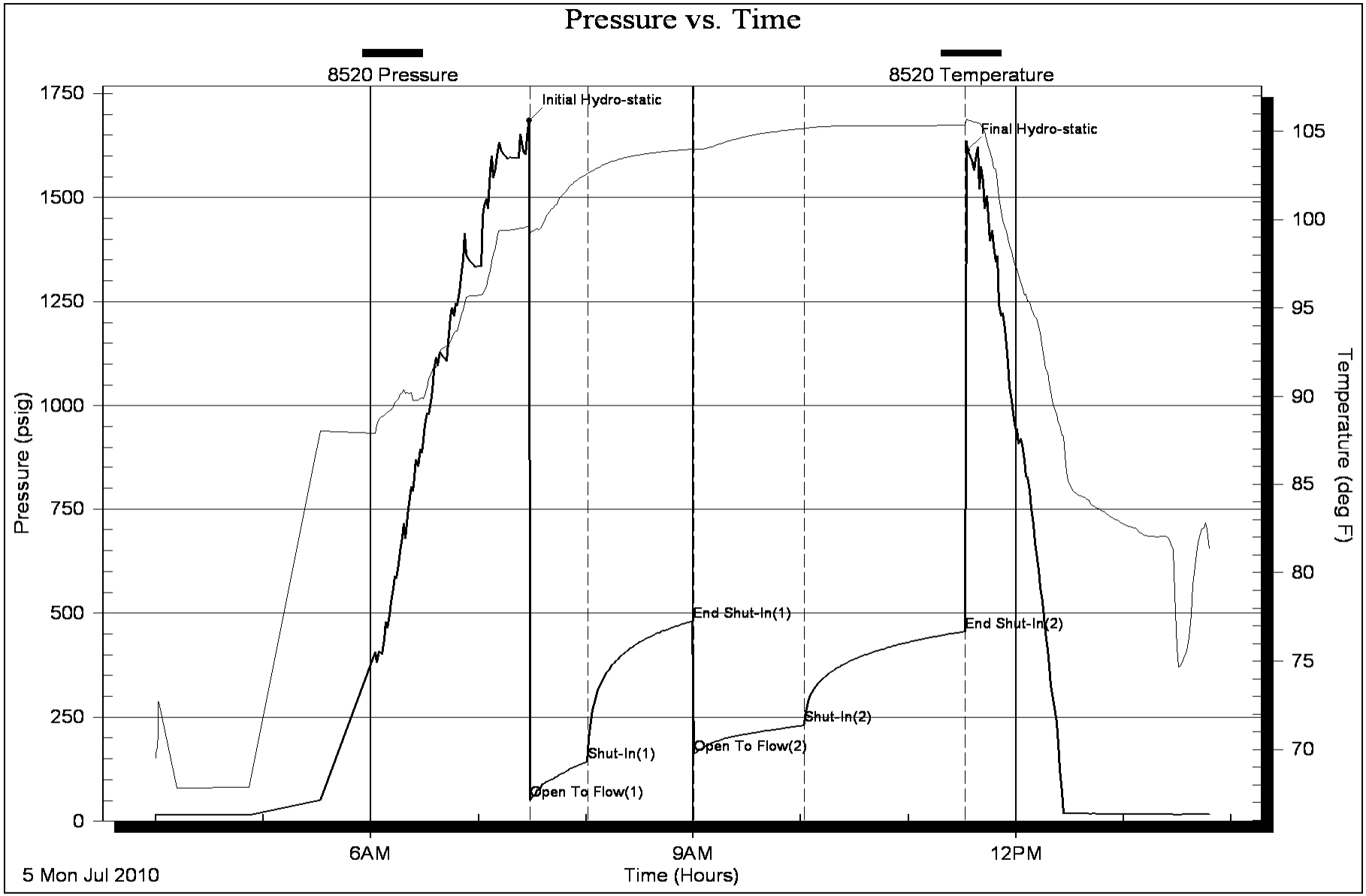
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	OSMW m=10% w=90%	1.180
60.00	OSMW m=40% w=60%	0.295
120.00	GOCWM g=10% o=20% w=20% m=50%	0.980
30.00	CO o=100%	0.351
750.00	GIP	8.773

Total Length: 1200.00 ft Total Volume: 11.579 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8520 Pressure
8520 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
70
6AM
9AM
12PM
5 Mon Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038988 **DST#: 3**

Test Start: 2010.07.06 @ 04:40:11

GENERAL INFORMATION:

Formation: **KC- H,I,J,+K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:23:56
Time Test Ended: 13:49:41

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 38

Interval: 3420.00 ft (KB) To 3520.00 ft (KB) (TVD)
Total Depth: 3520.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

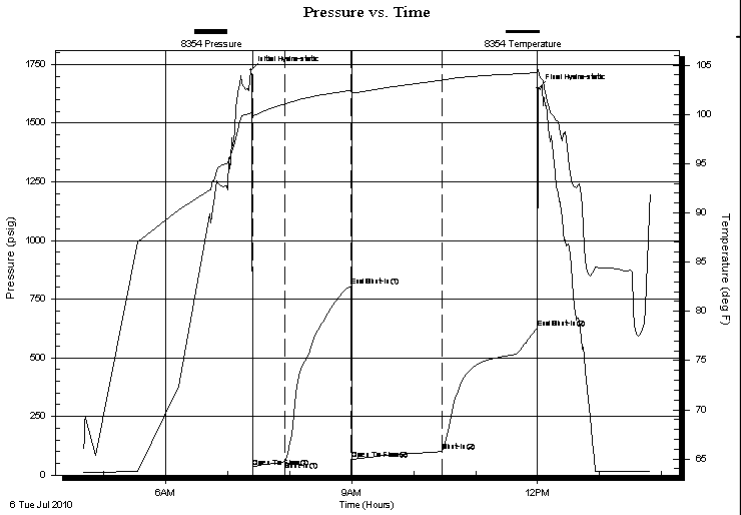
Reference Elevations: 2041.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: 101.15 psig @ 3421.00 ft (KB)
Start Date: 2010.07.06 End Date: 2010.07.06
Start Time: 04:40:12 End Time: 13:49:41

Capacity: 8000.00 psig
Last Calib.: 2010.07.06
Time On Btm: 2010.07.06 @ 07:22:26
Time Off Btm: 2010.07.06 @ 12:00:26

TEST COMMENT: IF: Weak, Steady, 1 inch
IS: No Return
FF:Weak steady 2 inch
FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1725.20	100.17	Initial Hydro-static
2	33.79	99.70	Open To Flow (1)
33	56.89	101.06	Shut-In(1)
97	806.34	102.43	End Shut-In(1)
98	66.77	102.21	Open To Flow (2)
185	101.15	103.49	Shut-In(2)
278	626.62	104.24	End Shut-In(2)
278	1648.35	104.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	OCM 10%o 90%m	0.44
60.00	SltlyOCM 2%o 98%m	0.30
0.00	120 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038988 **DST#: 3**

Test Start: 2010.07.06 @ 04:40:11

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:	bbl		
Water Loss:	7.96 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

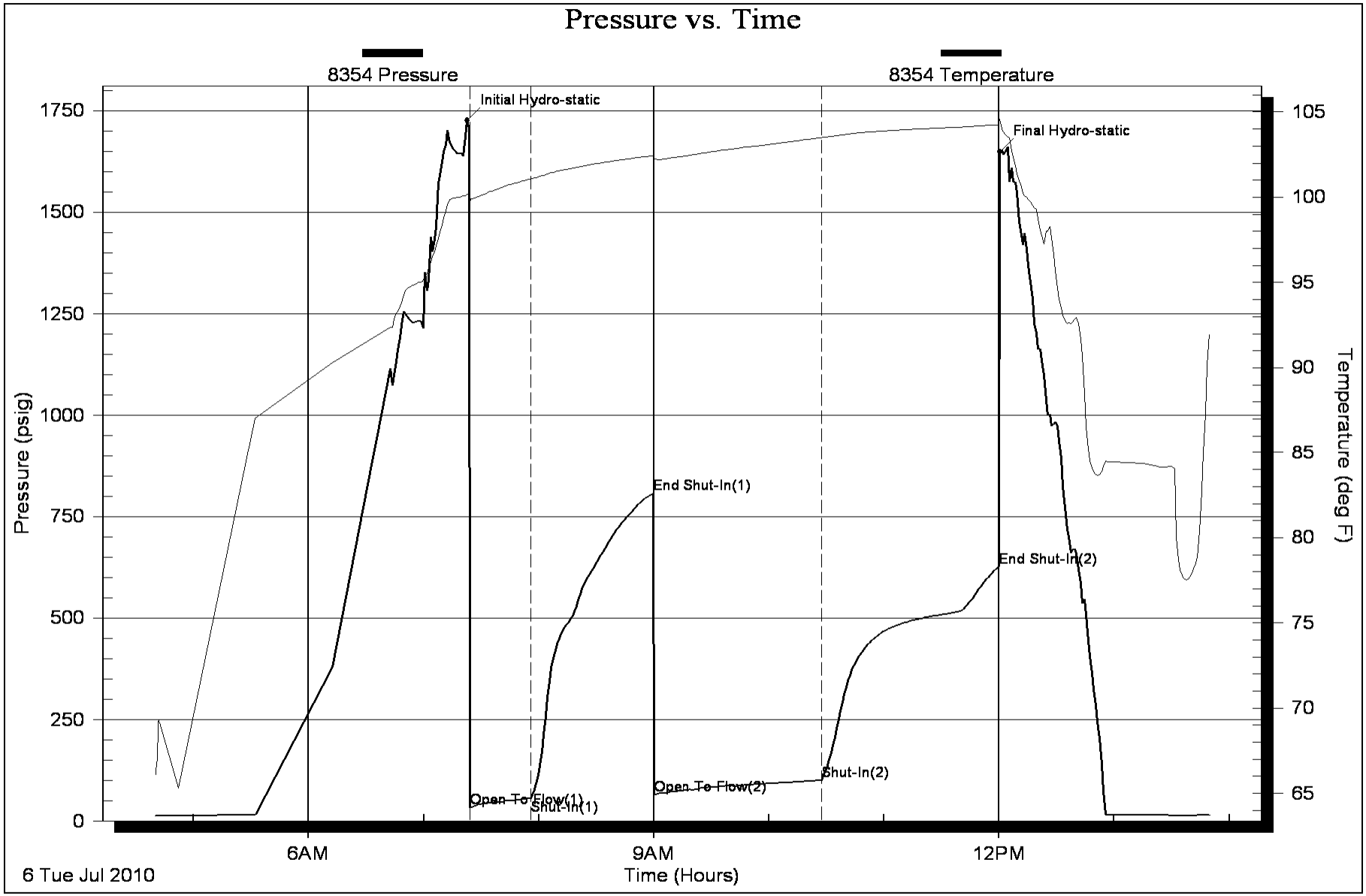
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	OCM 10%o 90%m	0.443
60.00	SltlyOCM 2%o 98%m	0.295
0.00	120 GIP	0.000

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8354 Pressure
8354 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
70
65
6AM
9AM
12PM
6 Tue Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038989 **DST#: 4**

Test Start: 2010.07.07 @ 02:40:06

GENERAL INFORMATION:

Formation: **Upper Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:45:21
Time Test Ended: 10:45:36

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

Interval: 3589.00 ft (KB) To 3601.00 ft (KB) (TVD)
Total Depth: 3601.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2041.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 11.00 ft

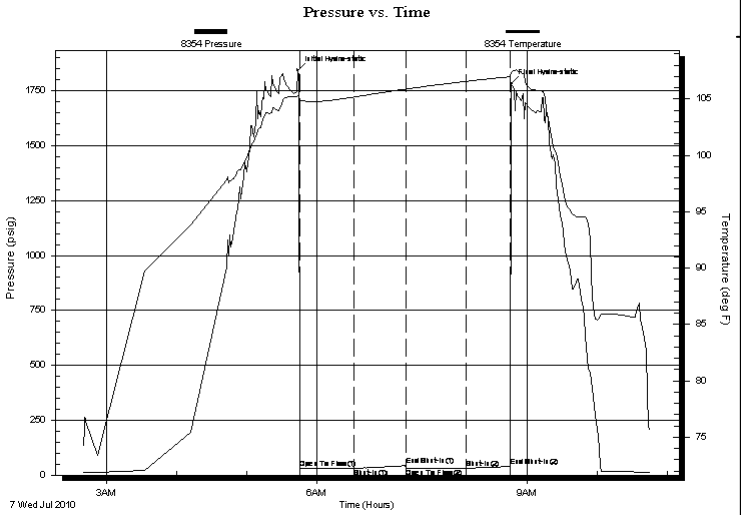
Serial #: 8354 **Inside**

Press@RunDepth: 31.58 psig @ 3590.00 ft (KB)
Start Date: 2010.07.07 End Date: 2010.07.07
Start Time: 02:40:07 End Time: 10:45:36

Capacity: 8000.00 psig
Last Calib.: 2010.07.07
Time On Btm: 2010.07.07 @ 05:43:21
Time Off Btm: 2010.07.07 @ 08:46:06

TEST COMMENT: IF-Weak died in 11 min

FF-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1843.62	105.26	Initial Hydro-static
2	30.94	104.88	Open To Flow (1)
49	31.98	105.19	Shut-In(1)
93	43.57	105.89	End Shut-In(1)
93	30.18	105.88	Open To Flow (2)
145	31.58	106.57	Shut-In(2)
182	39.99	106.99	End Shut-In(2)
183	1781.85	107.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Ddlg Mud	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038989 **DST#: 4**

Test Start: 2010.07.07 @ 02:40:06

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:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4800.00 ppm				
Filter Cake:	inches				

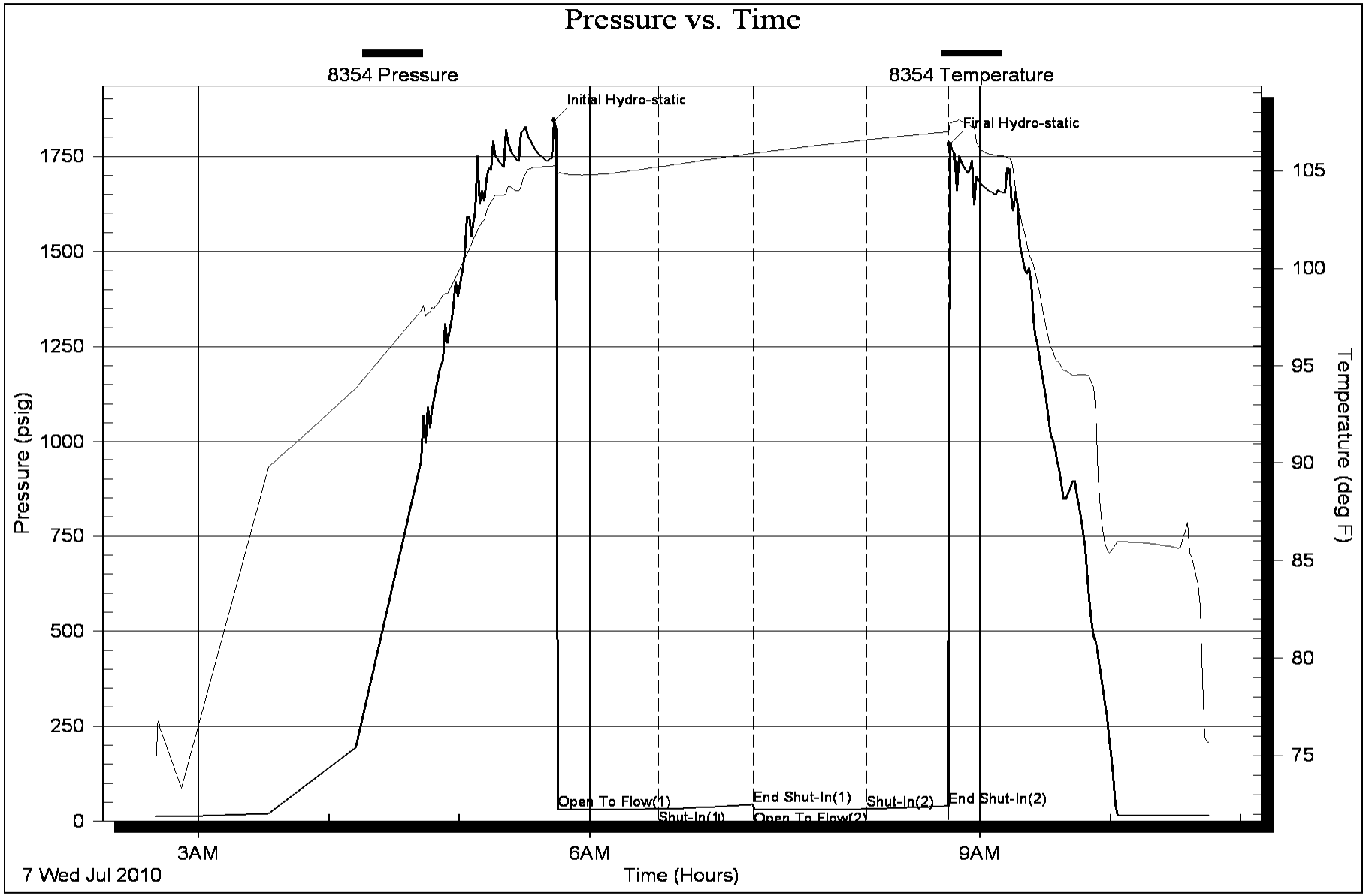
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Ddlg Mud	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8354 Pressure
8354 Temperature
Initial Hydro-static
Final Hydro-static
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
3AM
6AM
9AM
7 Wed Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038990 **DST#: 5**

Test Start: 2010.07.07 @ 17:15:24

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:04:39
Time Test Ended: 02:47:09

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

Interval: 3598.00 ft (KB) To 3612.00 ft (KB) (TVD)
Total Depth: 3612.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2041.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 11.00 ft

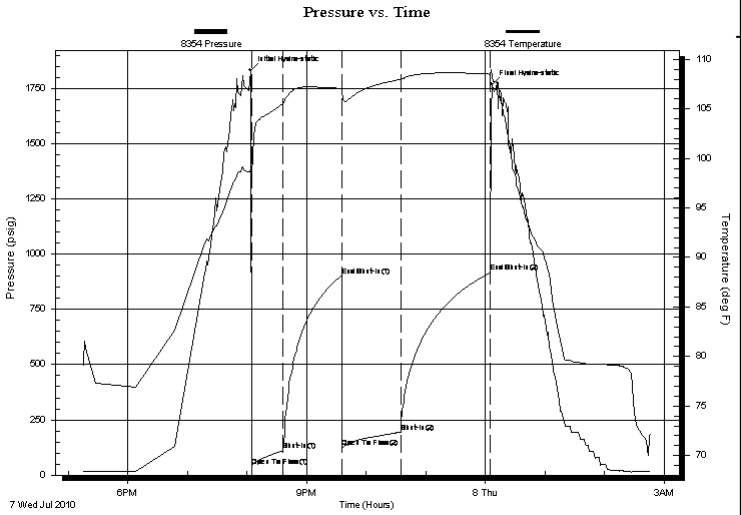
Serial #: 8354 **Inside**

Press@RunDepth: 194.80 psig @ 3599.00 ft (KB)
Start Date: 2010.07.07 End Date: 2010.07.08
Start Time: 17:15:25 End Time: 02:47:09

Capacity: 8000.00 psig
Last Calib.: 2010.07.08
Time On Btm: 2010.07.07 @ 20:03:24
Time Off Btm: 2010.07.08 @ 00:06:39

TEST COMMENT: IF-Strong B-B in 6.5 min

FF-Strong B-B in 20 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.32	98.80	Initial Hydro-static
2	41.77	98.44	Open To Flow (1)
33	112.75	105.54	Shut-In(1)
92	903.25	107.07	End Shut-In(1)
93	126.76	106.70	Open To Flow (2)
152	194.80	107.97	Shut-In(2)
242	916.98	108.50	End Shut-In(2)
244	1767.51	108.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCGsyO 10%g 70%o 20%m	0.59
340.00	CO	2.33

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038990 **DST#: 5**

Test Start: 2010.07.07 @ 17:15:24

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	34 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.68 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

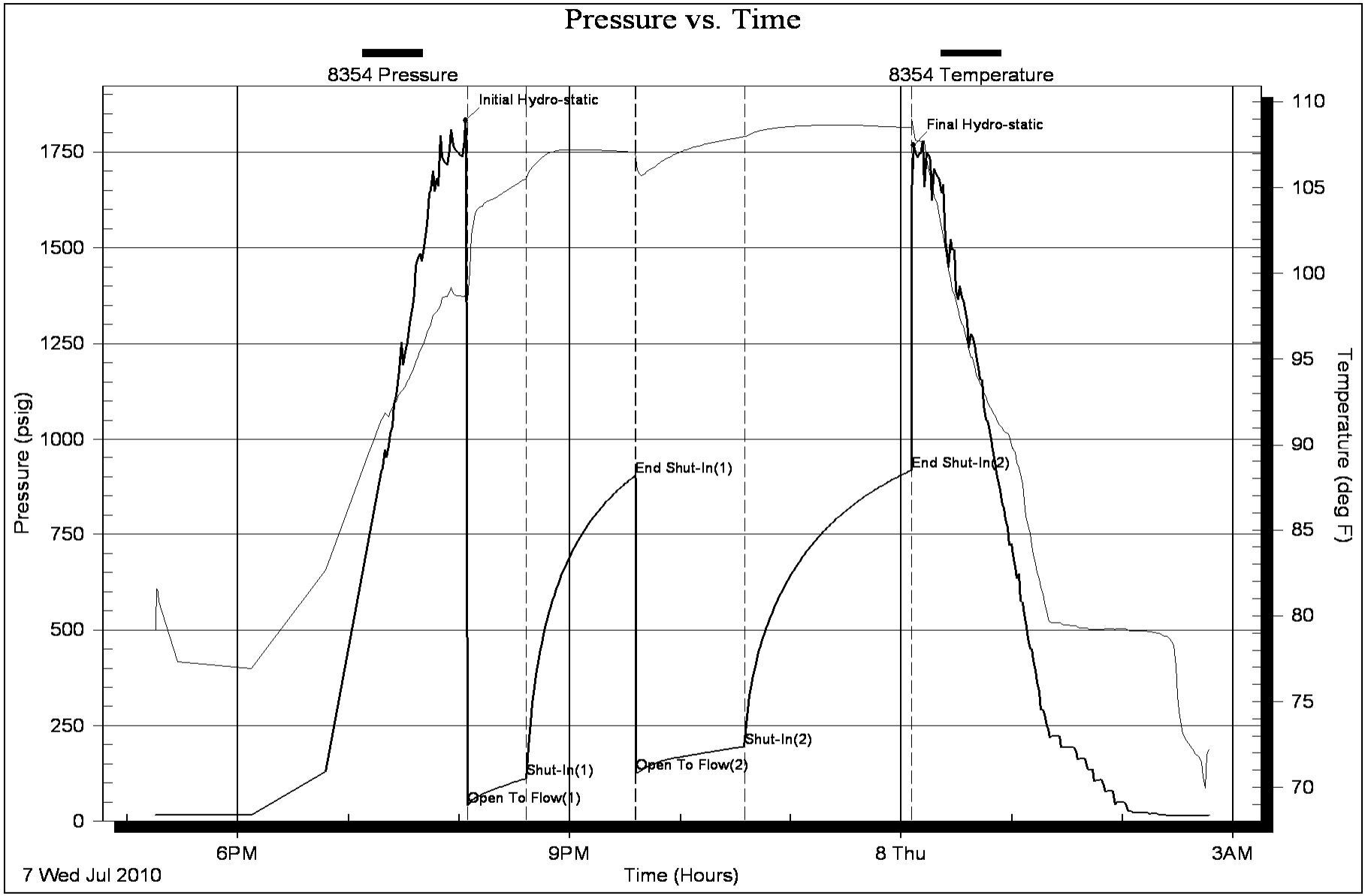
Length ft	Description	Volume bbl
120.00	MCGsyO 10%g 70%o 20%m	0.590
340.00	CO	2.333

Total Length: 460.00 ft Total Volume: 2.923 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8354 Pressure
8354 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
70
6PM
9PM
8 Thu
3AM
7 Wed Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038991 **DST#: 6**

Test Start: 2010.07.08 @ 09:30:31

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:37:31
Time Test Ended: 18:00:46

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

Interval: 3616.00 ft (KB) To 3621.00 ft (KB) (TVD)
Total Depth: 3621.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

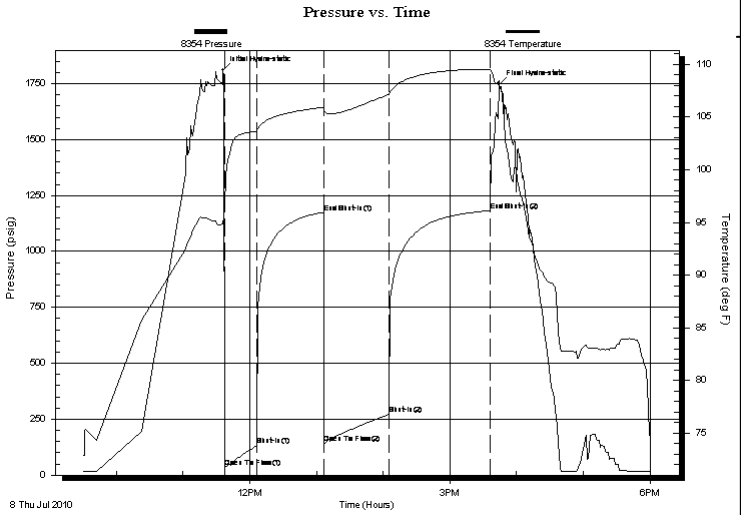
Reference Elevations: 2041.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: 271.88 psig @ 3617.00 ft (KB)
Start Date: 2010.07.08 End Date: 2010.07.08
Start Time: 09:30:32 End Time: 18:00:46

Capacity: 8000.00 psig
Last Calib.: 2010.07.08
Time On Btm: 2010.07.08 @ 11:36:01
Time Off Btm: 2010.07.08 @ 15:44:01

TEST COMMENT: IF-Strong B-B in 10 min
ISI-Weak steady surface blow
FF-Strong B-B in 10 min
FSI-Weak steady surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.11	94.99	Initial Hydro-static
2	34.28	96.43	Open To Flow (1)
31	131.94	103.66	Shut-In(1)
91	1174.47	105.93	End Shut-In(1)
91	141.60	105.52	Open To Flow (2)
150	271.88	107.17	Shut-In(2)
241	1181.89	109.53	End Shut-In(2)
248	1746.13	108.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
602.00	CGsyO 20%g 80%o	4.58
0.00	120 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038991 **DST#: 6**

Test Start: 2010.07.08 @ 09:30:31

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	34 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	inches				

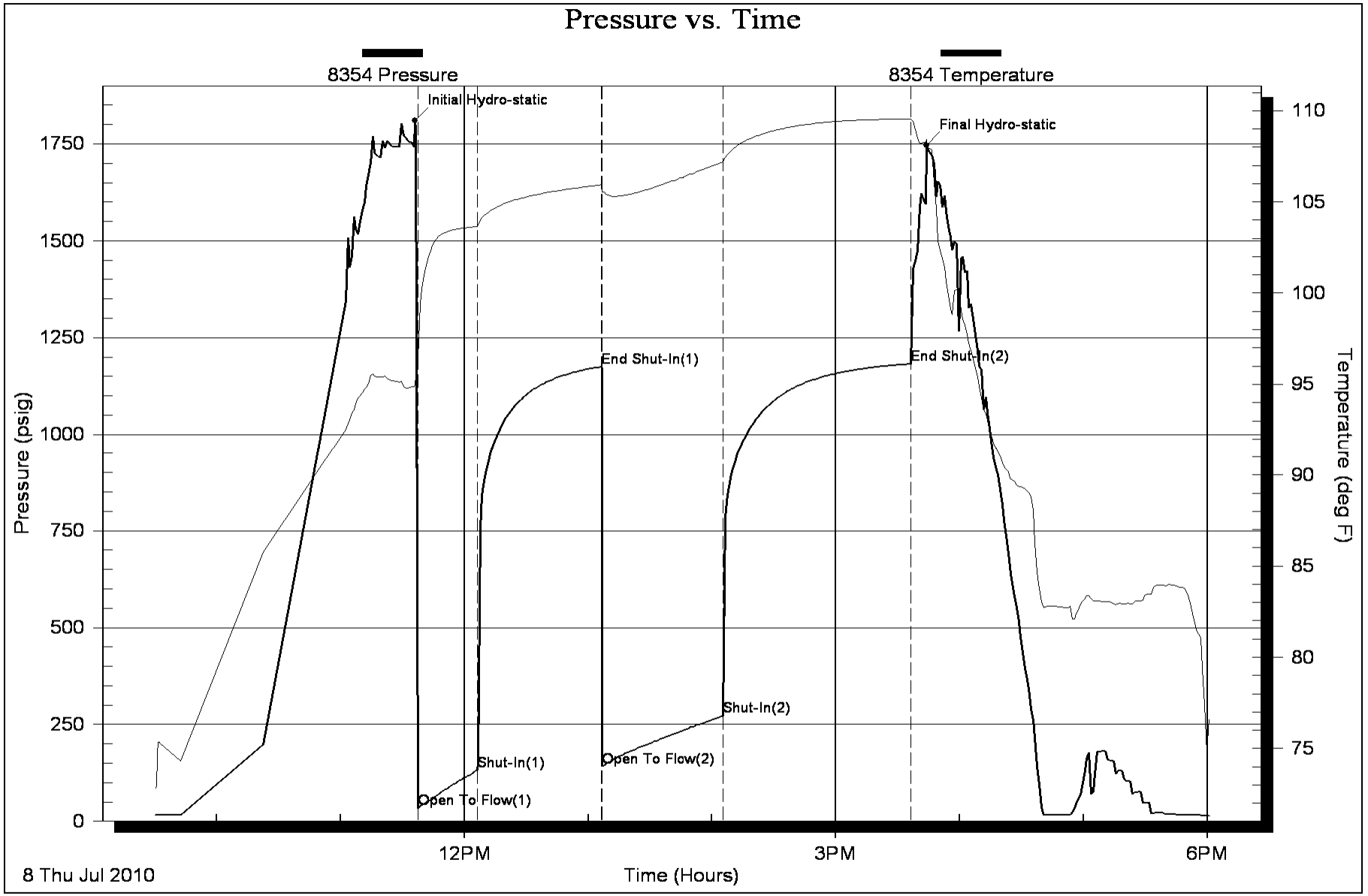
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
602.00	CGsyO 20%g 80%o	4.585
0.00	120 GIP	0.000

Total Length: 602.00 ft Total Volume: 4.585 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8354 Pressure
8354 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
12PM
3PM
6PM
8 Thu Jul 2010
Time (Hours)

DRILL STEM TEST REPORT

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038992 **DST#: 7**

Test Start: 2010.07.09 @ 02:00:45

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:32:15
Time Test Ended: 10:59:15

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

Interval: 3627.00 ft (KB) To 3633.00 ft (KB) (TVD)
Total Depth: 3633.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2041.00 ft (KB)
2030.00 ft (CF)
KB to GR/CF: 11.00 ft

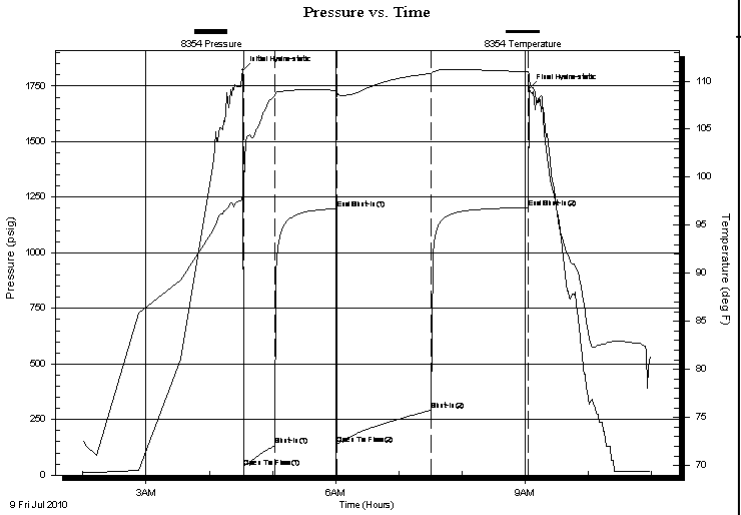
Serial #: 8354 **Inside**

Press@RunDepth: 293.45 psig @ 3628.00 ft (KB)
Start Date: 2010.07.09 End Date: 2010.07.09
Start Time: 02:00:46 End Time: 10:59:15

Capacity: 8000.00 psig
Last Calib.: 2010.07.09
Time On Btm: 2010.07.09 @ 04:32:00
Time Off Btm: 2010.07.09 @ 09:03:45

TEST COMMENT: IF-Strong B-B in 25 min

FF-Strong B-B in 40 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1821.70	98.13	Initial Hydro-static
1	36.42	97.84	Open To Flow (1)
30	132.75	108.54	Shut-In(1)
90	1198.91	109.04	End Shut-In(1)
90	137.23	108.40	Open To Flow (2)
179	293.45	110.80	Shut-In(2)
271	1202.86	110.98	End Shut-In(2)
272	1740.89	110.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
422.00	Wtr Rw .20 @ 80 = 30000ppm	2.48
70.00	CGsyO 10%g 90%o	0.82
0.00	60 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

PO Box 20380
Wichita Ks 67208

ATTN: Bryan Bynog

Wolf#5

Sec16-Twp15s-Rge18w

Job Ticket: 038992 **DST#: 7**

Test Start: 2010.07.09 @ 02:00:45

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	34 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	30000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

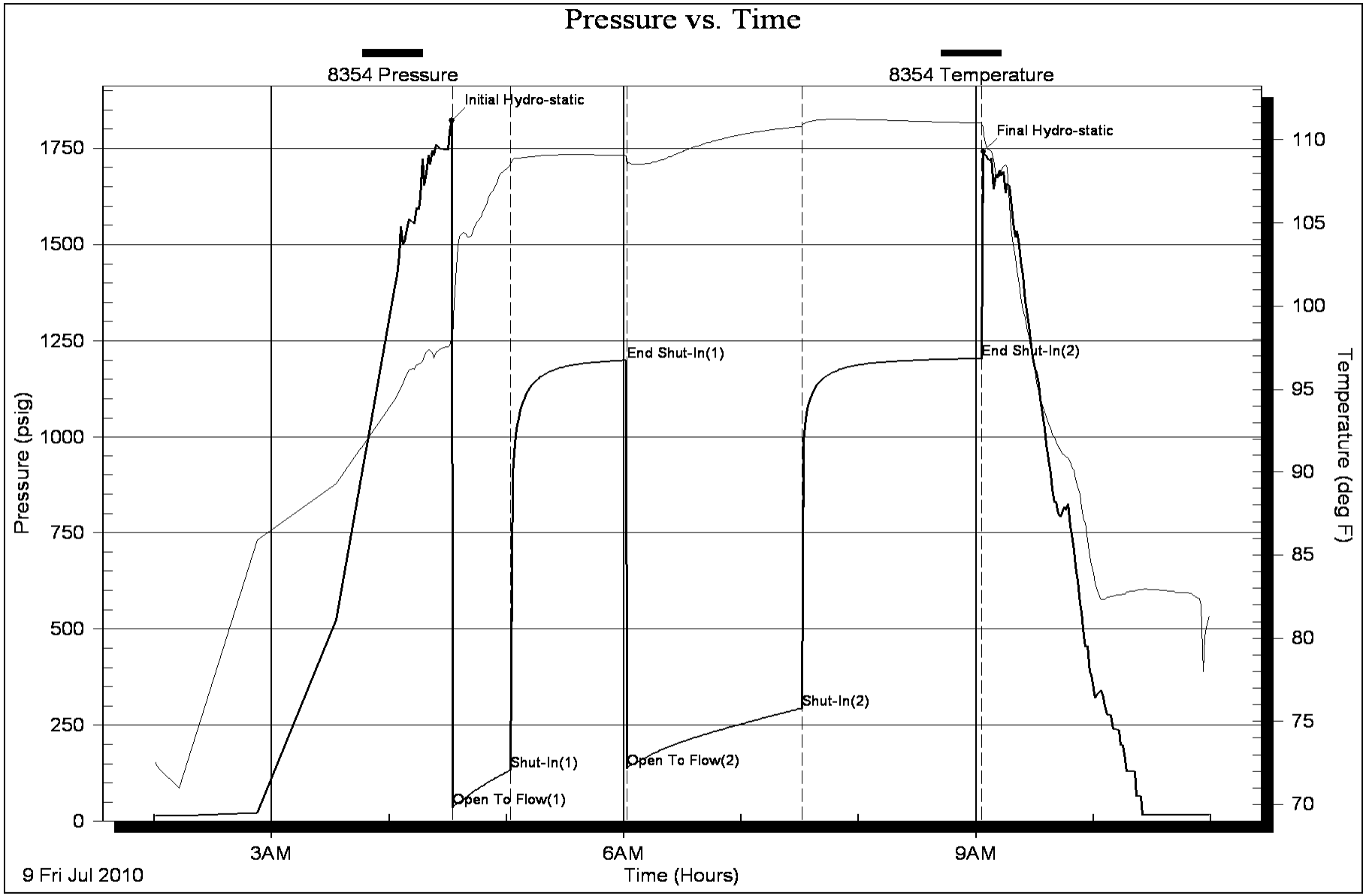
Length ft	Description	Volume bbl
422.00	Wtr Rw .20 @ 80 = 30000ppm	2.479
70.00	CGsyO 10%g 90%o	0.819
0.00	60 GIP	0.000

Total Length: 492.00 ft Total Volume: 3.298 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8354 Pressure
8354 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
70
3AM
6AM
9AM
9 Fri Jul 2010
Time (Hours)

BEREXCO, LLC.
WOLF # 5
SWSENW SECTION 16-15S-18W
ELLIS COUNTY, KANSAS

GEOLOGIST
WILLIAM B. BYNOG

RESUME

OPERATOR:	BEREXCO, INC.
WELL NAME & NUMBER:	WOLF # 5
LOCATION:	SWSENW 16 15S-18W
COUNTY:	ELLIS
STATE:	KANSAS
SPUD DATE: 6-30-2010	COMPLETION DATE: 7-10-2010
ELEVATIONS:	GL: 2030' KB: 2041'
CONTRACTOR:	BEREDCO RIG 10
LOGS: SUPERIOR	TYPES: RAG & MICROLOG
WELLSITE ENGINEER:	NONE
MUD COMPANY:	ANDY'S MUD
MUD TYPE & ENGINEER:	FRESH CHEMICAL
GEOLOGIST:	WILLIAM B.BYNOG
HOLE SIZE:	7 7/8
MUD LOGGING BY:	NONE
DRILL STEM TEST COMPANY:	TRILOBITE
DRILL STEM TEST:	DST#1 3300-50, DST#2 3350-90, DST#3 3420-2520, DST # 4 3589-3601, DST# 5 3598-3612, DST # 6 3616-21, DST#7 3627-33
WELL STATUS:	SET PRODUCTION PIPE

SUMMARY AND CONCLUSION

Wolf # 5 was drilled south of Hays, Kansas in the oil Shoenchen Field. This well was drilled on a seismic anomaly between producing wells. Our primary objectives were the Lansing, Kansas City and Arbuckle formations. Secondary objectives were the Topeka and Plattsmouth formations.

The Stone Corral anhydrite came in flat to prognosis however; there was some thinning of the section resulting in the Lansing/Kansas City formation coming in three feet high to the prognosis. Our secondary objective the Topeka had no sample shows, so drilling continued to our primary objectives the Lansing/Kansas and Arbuckle.

The Lansing A and B zones both had good sample shows and were tested on drill stem test # 1 recovering 30 feet of gas and mud cut oil and 540 feet of muddy water. Drill stem test # 2 on the C, D and F zones recovered 750 feet of gas in pipe, 30 feet of clean oil, 120 feet of gas and oil cut watery mud and 300 feet of muddy water with oil spots. Drill stem test # 3 on the H, I, J and K zones recovered 120 feet of gas in pipe, 90 feet of oil cut mud and 60 feet of slightly oil cut mud.

The Arbuckle was tested four times until the oil water contact was found. The upper most Arbuckle was very poorly developed and tested only one foot of drilling mud on drill stem test # 4. The second bench tested 340 feet of clean oil and 120 feet of muddy gassy oil on drill stem test #5. Drill stem test # 6 on the third bench recovered 120 feet of gas in pipe and 602 feet of clean oil. Finally, water was recovered on drill stem test # 7 recovering 60 feet of gas in pipe, 70 feet of clean oil and 422 feet of water.

The electric logs agreed with sample evaluation and drill stem test data recording fair porosity development with micro log separation and high resistivity in the zones that tested free oil. The Arbuckle zones all appeared be separated by thin interbedded shale and all had different shut-in pressures, suggesting isolated reservoirs. A decision was made to run production casing on the favorable Arbuckle drill stem tests and log calculations.

FORMATION TOPS

FORMATION	DEPTH (LOGS)
STONE CORRAL	1200(+841)
BASE	1238(+803)
TOPEKA	
PLATTSMOUTH	
HEEBNER	3270(-1229)
TORONTO	
LANSING A	3316(-1275)
B ZONE	3338(-1297)
C ZONE	3356(-1315)
D ZONE	
E ZONE	3378(-1337)
F ZONE	3384(-1343)
G ZONE	3394(-1353)
H ZONE	3448(-1407)
I ZONE	3471(-1530)
J ZONE	3490(-1449)
ARBUCKLE	3598(-1557)

WOLF #5 SAMPLES

ANHYDRITE 1200(+ 841) S

BEREDCO RIG 10 DRILLING 7 7/8 HOLE

WOLF # 5 SAMPLE DESCRIPTIONS

2700-2870 SHALE gray,green,firm,argillaceous / thin bedded LIMESTONE buff,hard,dense,slightly chalky

2870-2930 LIMESTONE gray,buff,hard,fossils, dense,poor porosity,no shows

2930-3000 SHALE gray green,soft,very argillaceous/ thin LIMESTONE as above

3000-50 LIMESTONE pale gray,buff,hard,slightly fossils,slightly chalky,poor porosity,no shows / thin interbedded SHALE as above

3950-90 LIMESTONE buff,pale gray,very hard,dense,crptoxln,slightly fossils,pr porosity,no shows / thin / SHALE as above some black,carbonaceous

3090-3140 SHALE as above

TOPEKA

3140-70 LIMESTONE buff,very hard,very dense, crptoxln

3170-80 SHALE green,some black, firm,carbonaceous

3180-3210 LIMESTONE buff,hard,challky,slightly fossils,poor porosity,no shows / thin SHALE as above

3210-40 LIMESTONE buff,firm,chalky, fossils,poor to fair porosity,no shows

3240- 50 LIMESTONE white,buff, firm,very chalky,slightly fossils,poor to fair porosity,no shows

3250-70 LIMESTONE buff,hard,dense, fossils,crptoxln

HEEBNER

3270-80 SHALE dark gray,black,firm, fissile,carbonaceous / thin LIMESTONE as above very hard, dense

3280-95 SHALE gray,green,some black,firm,fissile

TORONTO

3295-3305 LIMESTONE buff,tan,very hard,dense,crptoxln,slightly fossils

3305-15 SHALE green,firm,fissile

LANSING A

3316-30 LIMESTONE white,buff,hard,very finely crystalline,slightly fossils,poor pin point vuggy porosity / very spotty brown stain,good cut, strng odor

3330-35 SHALE as above

B ZONE

3335-45 LIMESTONE buff,firm, oocastic,good moldic porosity, spotty to even brown stain,very good cut,strng odor,slightly show free oil

3345-55 LIMESTONE buff,very hard,dense

3355-60 SHALE gray,green,firm,fissile

C ZONE

3360-70 LIMESTONE buff,hard,micro crystalline,very slightly oolites,poor to fair interxln and vuggy porosity,spotty brown stain,good cut and odor

3370-80 LIMESTONE buff,very hard,dense, crptoxln

F ZONE

3380-90 LIMESTONE white,buff,firm,oolites, slightly chalky,fair intergranular and vuggy porosity,spotty brown stain,good cut and odor,fair show free oil

G ZONE

3390-3400 SHALE green,gray,firm,fissile

3400-05 LIMESTONE buff,very hard,dense

3405-10 LIMESTONE white,firm, sandy,very chalky,poor vis porosity,trace black dead stain

3410-40 LIMESTONE buff,hard,dense,some Chert white

3440-45 SHALE as above

3445-48 LIMESTONE buff,very hard,dense

H ZONE

3448-52 LIMESTONE white,buff,firm,oolites, poor to fair moldic and vuggy porosity,spotty brown stain,good cut, fair odor,slightly show free oil

3452-65 LIMESTONE white,buff,firm,very chalky,slightly oolites,pr porosity,trace dead black stain

3465-70 SHALE green,gray,firm,silty

I ZONE

3470-80 LIMESTONE buff,hard,dense, some slightly oolites,poor vuggy porosity, very spotty brown stain,fair cut

3480-86 SHALE as above

J ZONE

3486-92 LIMESTONE buff,firm,micro crystalline,oolites,fair to good moldic porosity, spotty brown stain,fair cut,faint odor

3492-3505 LIMESTONE buff,very hard,dense

K ZONE

3505-20 LIMESTONE buff,slightly hard,oolites, oocastic,fair moldic porosity,spotty brown stain,good cut,fair show free oil,faint odor

3520-45 LIMESTONE buff,very hard,dense, no shows / thin SHALE as above

3545-60 SHALE gray green,some red,firm,fissile,argillaceous

3560- 80 LIMESTONE buff,very hard,dense,fossils / bedded SHALE as above

3580-90 LIMESTONE buff,hard,dense, fossils,no shows

ARBUCKLE

3590-3600 LIMESTONE white,firm,oolites,very sandy, chalky,poor visible porosity,spotty black dead stain,abundant Chert white,yell

3600-08 SHALE red,green,firm,argillaceous

3608-23 DOLOMITE white,buff,firm,sucrosic texture,fair to good interxln porosity,even brown stain,good cut and odor, good show free oil,some Chert white/ thin SHALE as above

3623-26 SHALE as above

3626-35 DOLOMITE buff,slightly hard,sucrosic texture, oolites,fair interxln porosity, spotty brown stain,good cut,faint odor,fair show free oil,abundant Chert white,smky

3635-40 DOLOMITE white,buff,hard,microsucrosic,poor to fair interxln porosity,rare brown stain,weak cut,abundant Chert white,tan

3640-70 DOLOMITE white,buff,hard,poor to fair interxln porosity,spotty black dead stain, / Chert white

3670-3700 DOLOMITE as above no stain,no show

RTD 3700'

LTD 3703'