Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1080723

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34318
Name: BEREXCO LLC
Address 1: 2020 N. BRAMBLEWOOD
Address 2:
City: WICHITA State: KS Zip: 67206 + 1094
Contact Person: Bruce Meyer
Phone: (316) 265-3311
CONTRACTOR: License # 34317
Name: BEREDCO LLC
Wellsite Geologist: William B. Bynog
Purchaser: Central Crude Corporation

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

03/07/2012	03/14/2012	04/27/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26280-00-00
Spot Description:
SE - NW - NW - SE Sec. 19 Twp. 11 S. R. 16 ☐ East ☑ West
2150 Feet from ☐ North / ☑ South Line of Section
2270 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

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

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: Ellis
Lease Name: Potter Well #: 12
Field Name: Bemis - Shutts Field
Producing Formation: Arbuckle
Elevation: Ground: 1862 Kelly Bushing: 1874
Total Vertical Depth: 3458 Plug Back Total Depth: 3409
Amount of Surface Pipe Set and Cemented at: 326 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 1072 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: 55000 ppm Fluid volume: 660 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

☑ **Confidentiality Requested**
Date: 05/14/2012
☑ **Confidential Release Date:** 05/15/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 05/15/2012

[redacted] 1080723

Operator Name: BEREXCO LLC Lease Name: Potter Well #: 12

Sec. 19 Twp. 11 S. R. 16 ☐ East ☑ West County: Ellis

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual Compensated Porosity Log
Microresistivity Log
Dual Induction Log

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

Name: Attached Top: Attached Datum: 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 Csg.	12.25	8.625	20	326	Comm.	225	2% gel, 3%cc
Prod. Csg. Bottom	7.875	5.50	14	3456	60/40 POZ, ASC	300	6% gel, 1/4# floseal, 5# gilsonite
Prod. Csg. DV Tool	7.875	5.50	14	1072	60/40 POZ	250	6% gel, 1/4# floseal

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	-			
	-			

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

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

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3364 - 3366 Arbuckle	natural	3363 - 3366

TUBING RECORD: Size: 2 7/8" Set At: 3405 Packer At: no pkr. Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 04/27/2012

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	13	0	172		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: 3363 - 3366

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

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Potter 12
Doc ID	1080723

Tops

Name	Top	Datum
Anhydrite (sample)	1049	+825
Topeka	2782	-908
Heebner	3020	-1146
Toronto	3038	-1164
Lansing A	3058	-1184
Lansing B	3190	-1216
Lansing C	3110	-1236
Lansing E	3140	-1266
Lansing G	3160	-1286
Lansing H	3188	-1314
Lansing I	3228	-1354
Lansing J	3238	-1364
Lansing K	3270	-1396
Lansing L (sample)	3292	-1418
Arbuckle	3364	-1490
RTD	3460	
LTD	3457	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

May 09, 2012

Bruce Meyer
BEREXCO LLC
2020 N. BRAMBLEWOOD
WICHITA, KS 67206-1094

Re: ACO1
API 15-051-26280-00-00
Potter 12
SE/4 Sec.19-11S-16W
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,
Bruce Meyer

ALLIED OIL & GAS SERVICES, LLC 056971

Federal Tax I.D.# 20-5975804

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

WELL FILE

SERVICE POINT: RUSSELL

DATE 3-8-12	SEC 19	TWP. 11S	RANGE 16E	CALLED OUT	ON LOCATION	JOB START 7AM	JOB FINISH 7:30 AM
LEASE POTTER	WELL # 12		LOCATION VICTORY N TO River Rd E			COUNTY ELLIS	STATE KS
OLD OR NEW (Circle one)			CODELL Rd - 1.8 EAST - ~~1~~ SOUTH Follow Rig's Signs.				

CONTRACTOR BEREXCO #10
TYPE OF JOB SURFACE
HOLE SIZE 12 1/4 T.D.
CASING SIZE 8 5/8 20# DEPTH 326
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15 FT
PERFS.
DISPLACEMENT 20.27 bbl

OWNER

CEMENT
AMOUNT ORDERED 225 SK A 3% CC 2% GEL

EQUIPMENT

PUMP TRUCK CEMENTER Bob SMITH
409 HELPER TONY
BULK TRUCK
378 DRIVER CODY
BULK TRUCK
DRIVER

REMARKS:

PUMPED 225 SK CEMENT CIRCULATED TO SURFACE

COMMON	225	@ 16.25	3656.25
POZMIX		@	
GEL	4	@ 21.25	85 CC
CHLORIDE	8	@ 58.20	465.60
ASC		@	
HANDLING	237	@ 2.25	533.25
MILEAGE 33X237X.11			860.31
Drayage 7821		TOTAL	$600.41

SERVICE

DEPTH OF JOB 326			
PUMP TRUCK CHARGE			112.5 CC
EXTRA FOOTAGE	26	@ 0.95	24.70
MILEAGE H	33	@ 7 CC	231 CC
MANIFOLD Standard		@ 200 CC	0
Lav m	33	@ 40 CC	~~132 CC~~
		@	
TOTAL			1388.70

CHARGE TO: BEREXCO
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
TOTAL			0

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.

SALES TAX (If Any) 265.03
TOTAL CHARGES 6981.11
DISCOUNT 24% 1675.46 IF PAID IN 30 DAYS

PRINTED NAME Milo Salinas

SIGNATURE

ALLIED OIL & GAS SERVICES, LLC 056357

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell KS

WELL FILE

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
3-14-2012	19	11S	16W			7:15 PM	9:00 PM
LEASE POTTER	WELL # 12		LOCATION CoDell & Rur. Rd. Jct.			COUNTY Ellis	STATE Kansas
OLD OR NEW (Circle one)			1 3/4 E 1/2 S 1/4 E Into				

CONTRACTOR Bredco Drlg. Rig #10 (Milo)
TYPE OF JOB Production String (D-V 2 Stage)
HOLE SIZE 7 7/8 T.D. 3458'
CASING SIZE 5 1/2 New 14# DEPTH 3456'
TUBING SIZE Latch Down Plug DEPTH Assy @ 3372
DRILL PIPE DEPTH
TOOL DV Tool @ DEPTH 1072'
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 84'
CEMENT LEFT IN CSG. 84'
PERFS.
DISPLACEMENT Bottom 82.43 Top 26.33 2 1/2

OWNER

EQUIPMENT

PUMP TRUCK (409) CEMENTER (Bob S.) (Tim) Gilewo
417 HELPER Woody, Robert, (Tony)
BULK TRUCK
481 DRIVER Cody
BULK TRUCK
328 DRIVER Chris

CEMENT

AMOUNT ORDERED 150 sx ASC, 5# Gilsonite per sx
450 sx 60/40 6% Gel w/ 1/4# Flo-Seal per sx.
500 Gal WFR-2 mud Flush

COMMON	270 SX	@ 16.25	4387.50
POZMIX	180 SX	@ 8.50	1530.00
GEL	28 SX	@ 21.25	595.00
CHLORIDE		@	
ASC	150 SX	@ 19.00	2850.00
Gilsonite	750 LBS	@ .89	667.50
Flo-Seal	112 LBS	@ 2.70	302.40
		@	
500 Gal WFR-2 Flush		@ 1.27	635.00
		@	
		@	
		@	
		@	
HANDLING 1634 Total SX		@ 2.25	1421.00
MILEAGE 33 Ton Mile		@ 11¢	2308.68
Drayage 20988		TOTAL	14,707.08

REMARKS:

Ran 83 Jts of New 14# 5 1/2 CSG. Set @ 3456'
Circulate 1 HR, Mix Flush, + Cement w/ 150 sx Lite w/ 6% Gel 1/4# Flo-Seal
& 150 sx ASC, Clear Line, Release Latch Dn.
Plug, + Displace 82.43 BBL Land @ 1800 #.
Drop Dart + Open DV Tool @ 1200 #s Circulate
1 HR, Plug Rat + Mouse Hole 30 sx & 15 sx,
Mixed 250 sx 60/40 6% Gel 1/4# Flo-Seal, ~~Displace~~
~~Release~~ Release Top Hole Plug &
Displace 26.33 BBL Land @ ~~#~~ 700
~~Close DV Tool~~, ~~Release #~~ Held
Shut in @ 350#

SERVICE

DEPTH OF JOB 0-3500'
PUMP TRUCK CHARGE 2225.00
EXTRA FOOTAGE @
MILEAGE Hv Mi 33 @ 4.00 132.00
MANIFOLD yes @
1 Hv Mi 33 @ 4.00 NC
@
TOTAL 2456.00

CHARGE TO: Berexco LLC.
STREET
CITY STATE ZIP

Hanks

Cement Did Circulate To Surface. Put Approx 50 sx in Pit

PLUG & FLOAT EQUIPMENT

1 - Guide Shoe			99.00
2 - Baskets		@ 178.00	356.00
14 Turbo-Centralizers		@ 37.00	518.00
1 - Stop Ring		@	30.00
1 - Two Stage Tool		@	2832.00
		@	
		TOTAL	3835.00

SALES TAX (If Any) 690.94
TOTAL CHARGES 20,998.08
DISCOUNT 24% 5039.53 IF PAID IN 30 DAYS

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

BEREXCO, LLC.
POTTER # 12
SENWNWSE 19 11S-16W
ELLIS COUNTY, KANSAS

GEOLOGIST
WILLIAM B. BYNOG

RESUME

OPERATOR:	BEREXCO, LLC.
WELL NAME & NUMBER:	POTTER # 12
LOCATION:	SENWNWSE SECTION 19 11S-16W
COUNTY:	ELLIS
STATE:	KANSAS
SPUD DATE: 3-7-2012	COMPLETION DATE: 3-14-1012
ELEVATIONS:	GL: 1863 KB: 1874
CONTRACTOR:	BEREDCO RIG 10
LOGS: LOG TECH	TYPES: RAG, MICROLOG
WELLSITE ENGINEER:	NONE
MUD COMPANY:	ANDY'Y 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 3345-72'
WELL STATUS:	SET 5 ½ PRODUCTION PIPE

POTTER # 12 SAMPLE DESCRIPTIONS
BEREDCO RIG 10 DRILLING 7 7/8 HOLE

POTTER # 12 SAMPLE DESCRIPTIONS

2500-80 SHALE gray,soft,very argillaceous

2582-2610 LIMESTONE buff,very hard,dense, blocky,fossils,no shows

2610-35 SHALE as above

2635-70 LIMESTONE buff,hard,blocky, fossils,dense,slightly chalky,no shows

2670-85 LIMESTONE brown,very hard,very dense, fossils,no shows

2685-2800 SHALE as above with thin LIMESTONE stringers as above,no shows

TOPEKA

2782-30 LIMESTONE gray brown,very hard,dense, some chlky,poor [porosity,no shows

2830-45LIMESTONE white,firm,micxln, fossils,poor to fair crystalline porosity,spotty to even live brown stain,very good cut,gsfo

2845-2900 LIMESTONE gray brown,hard,dense,slightly fossils,blocky,poor porosity,no shows

POTTER # 12 SAMPLE DESCRIPTIONS

2900-10 SHALE gray,firm,fissile

2910-34 LIMESTONE gray brown,very hard,dense, chalky in part,blocky,ppor,no shows

2934-50 SHALE gray,gray black,firm, fissile,slightly carbonaceous

2950-3020 LIMESTONE as above gray brown,buff,very hard,dense,blocky,chalky in part,no shows with thin bedded SHALE as above slightly carbonaceous

HEEBNER

3020-30 SHALE gray,gray black,red,firm,fissile,argillaceous

3030-38 SHALE red,green,very soft,very argillaceous, some black,fissile,carbonaceous

TORONTO

3038-52 LIMESTONE white,firm,very chalky,poor porosity,no shows

3052-62 SHALE black,firm,fissile,abundant SHALE as above very color,soft,argillaceous with LIMESTONE white,very hard,dense,trace Chert white

LANSING A

3058-78 LIMESTONE buff,firm,chalky in part,very fossils,fair intxln and vuggy porosity,spotty to even light brown stain,very good cut and odor,nsfo

POTTER # 12 SAMPLE DESCRIPTIONS

3078-90 SHALE green,red,soft,argillaceous

B ZONE

3090-3100 LIMESTONE buff,very hard,dense, poor porosity,no shows

3100-10 SHALE as above

C ZONE

3110-20 LIMESTONE white,slightly hard,fossils, chalky in part,poor to fair intxln and pinpoint vuggy porosity,spotty live brown stain,good cut and odor,nsfo

3120-24 SHALE as above

3124-34 LIMESTONE white,firm,very fossils,poor to fair intxln porosity,spotty to even spotty live stain,good cut and odor,nsfo

3134-40 SHALE gray,green,soft,very argillaceous,some black,fissile,carbonaceous

E ZONE

3140-45 LIMESTONE buff,hard,micxln,poor crystalline porosity,spotty live brown stain,good cut and odor,nfo

3145-60 LIMESTONE buff,very hard,dense,no shows with thin SHALE as above

G ZONE

POTTER # 12 SAMPLE DESCRIPTIONS

3160-86 LIMESTONE buff,hard,dense,abundant chalky,poor porosity,no shows

3180-90 LIMESTONE buff,white,firm,very chalky,poor porosity,no shows,abundant very hard,dense,no shows

H ZONE

3190-3202 LIMESTONE white,firm,very chalky,poor porosity,trace vuggy porosity,very spotty stain,poor cut

3202-12 LIMESTONE white,very hard,dense, blocky,abundant Chert white,orange

3212-28 SHALE black,green,fissile,slightly carbonaceous

I ZONE

3228-36 LIMESTONE buff,very hard,dense, blocky,some poor pinpoint vuggy porosity,very spotty live brown stain,good cut and odor,sfo

3236-44 SHALE as above

J ZONE

3240-50 LIMESTONE buff,hard,fnly micro crystalline,poor crystalline porosity,very spotty live brown stain,fair cut,nfo

3250-56 LIMESTONE buff,very hard,dense,no shows

POTTER # 12 SAMPLE DESCRIPTIONS

3256-66 SHALE black,green,firm,fissile,carbonaceous

K ZONE

3270-78 LIMESTONE brown,very hard,blocky,dense, poor porosity,no shows,possible fractures

3278-94 SHALE as above

3292-3302 LIMESTONE white,firm,oolites,slightly chalky,poor to trace fair intg porosity,very spotty brown stain,good cut and odor,nsfo

3302-18 SHALE as above

3318-24 LIMESTONE buff,very hard,dense

3324-30 LIMESTONE white,soft,very fossils, oolites,fair intg porosity,very spotty brown stain,poor cut

3330-45 LIMESTONE buff,very hard,dense, no shows with thin SHALE as above

3345-60 CONGLOMERATE red,green,blue,yell SHALE,LIMESTONE white,buff,as above,abundant Chert orange,tan

SIMPSON SAND

POTTER # 12 SAMPLE DESCRIPTIONS

3360-68 SANDSTONE clear,translucent,friable,mg,srnd,well sorted,clean,good intg porosity,even live brown stain,good cut and odor,good show free oil

ARBUCKLE

3368-90 DOLOMITE white,firm to slightly hard,micsuc texture,fair to good intxln porosity,even brown liv stain,very good cut and odor,gsfo with thin stringers white,very hard,very dense,no shows

3390-3398 DOLOMITE white,slightly hard,micsuc texture,fair to good intxln porosity,spotty to even brown stain,good cut and odor

3398-3406 DOLOMITE white,very hard,dense,no shows,abundant Chert white

3406-24 DOLOMITE white,slightly hard,micro sucrosic texture,fair to good intxln porosity,spotty even live brown stain,very good cut and odor,fsfo

3424-30 DOLOMITE white,soft,micsuc texture,good intxln porosity,even live brown stain,very good cut and odor,gsfo

3430-40 DOLOMITE white,hard,micxln, fair to good intxln porosity,no shows

3440-60 DOLOMITE white,very hard,dense, no shows,abundant Chert white

RTD 3460'

LTD 3457'

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name:	POTTER # 12		
Location:	SENWNWSE SECTION 19 11S-16W ELLIS COUNY,KANSAS		
Licence Number:	15-051-26280	Region:	MIDCONTINENT
Spud Date:	3-7-2012	Drilling Completed:	3-13-2012
Surface Coordinates:	2150' FSL & 2270' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	1863	K.B. Elevation (ft):	1874
Logged Interval (ft):	2500 To: 3460	Total Depth (ft):	3460
Formation:	LKC & ARBUCKLE		
Type of Drilling Fluid:	CHEMICAL & GEL		

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: BEREXCO, LLC.
Address: 2020 N.BRAMBLEWOOD
WICHITA, KANSAS 67206

GEOLOGIST

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

SURVEYS

DEPTH	ANGLE
330	1/2
1919	1/4
3372	1/2

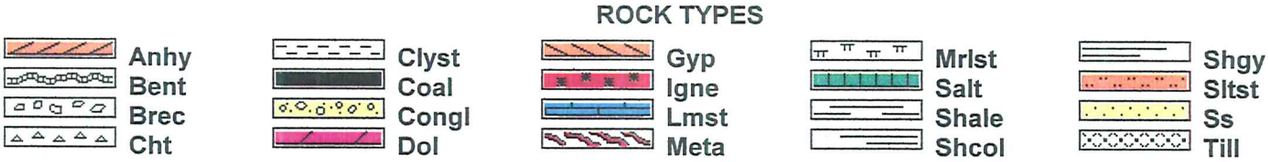
DSTs

DST#1 3345-72'

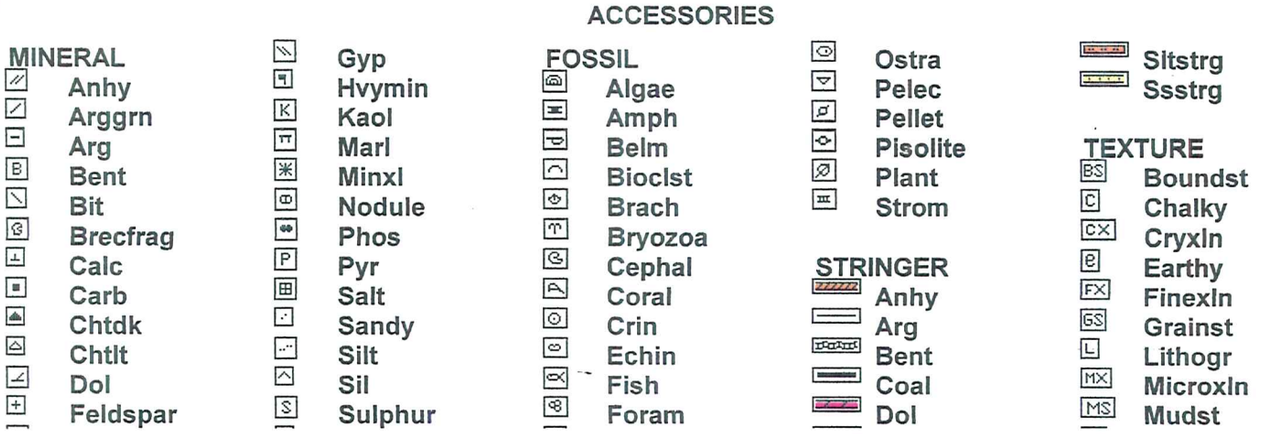
Comments

SET 5 1/2" PRODUCTION PIPE

ROCK TYPES



ACCESSORIES



Feldspar	Sulphur	Foram	Dol	Mudst
Ferrpel	Tuff	Fossil	Gyp	Packst
Ferr		Gastro	Ls	Wackest
Glau		Oolite	Mrst	

OTHER SYMBOLS

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

SORTING
- Well
- Moderate
- Poor

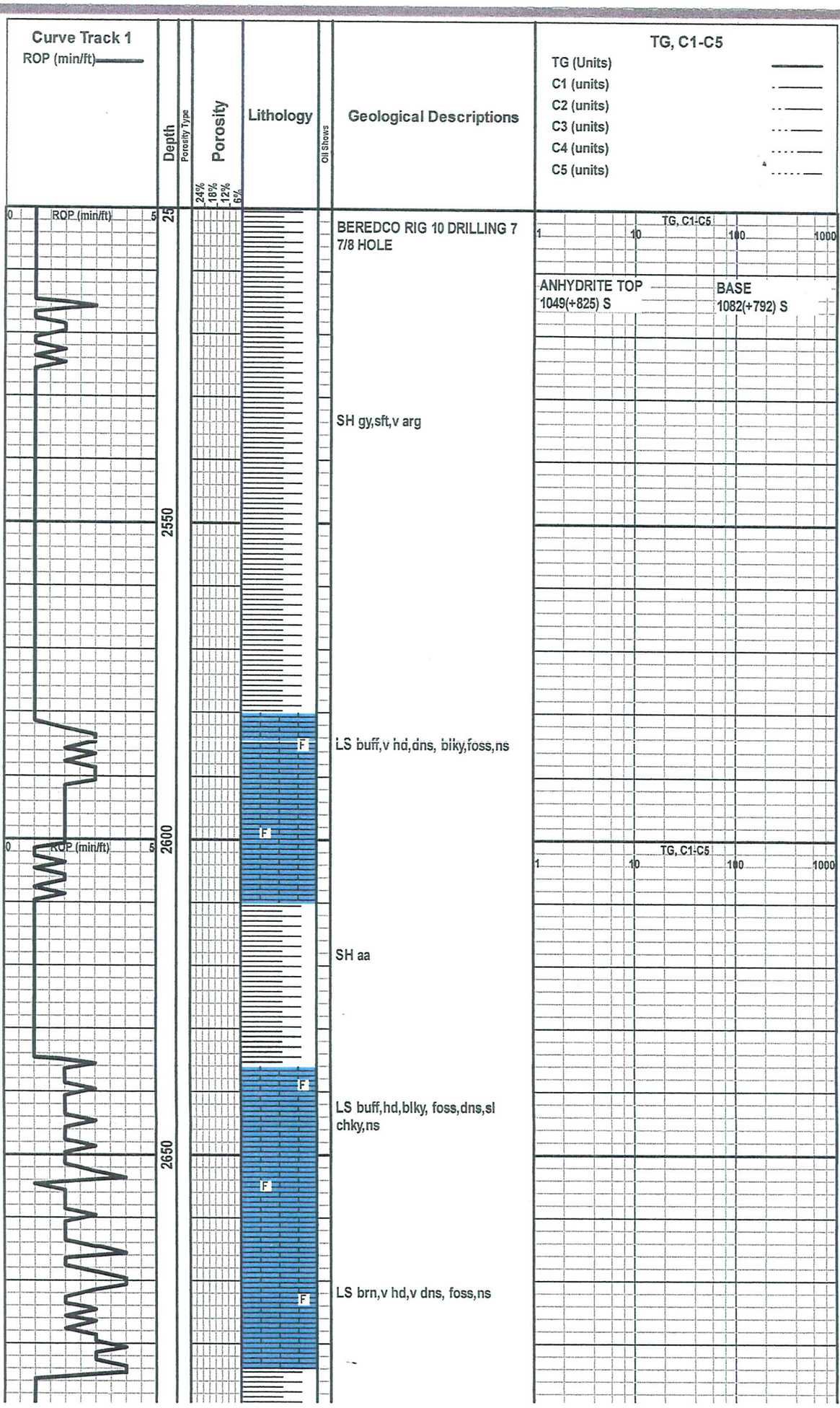
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

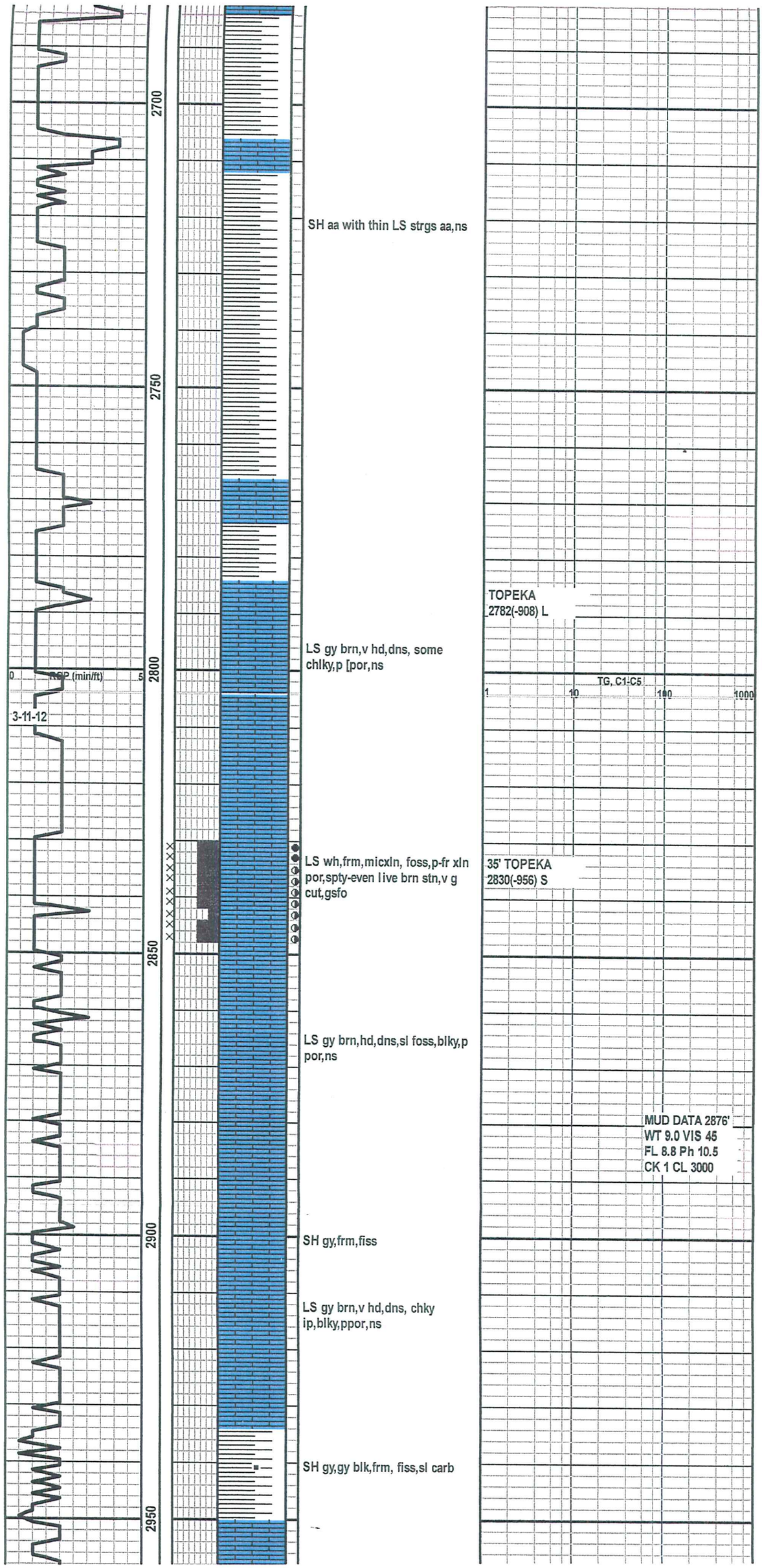
OIL SHOW
- Even

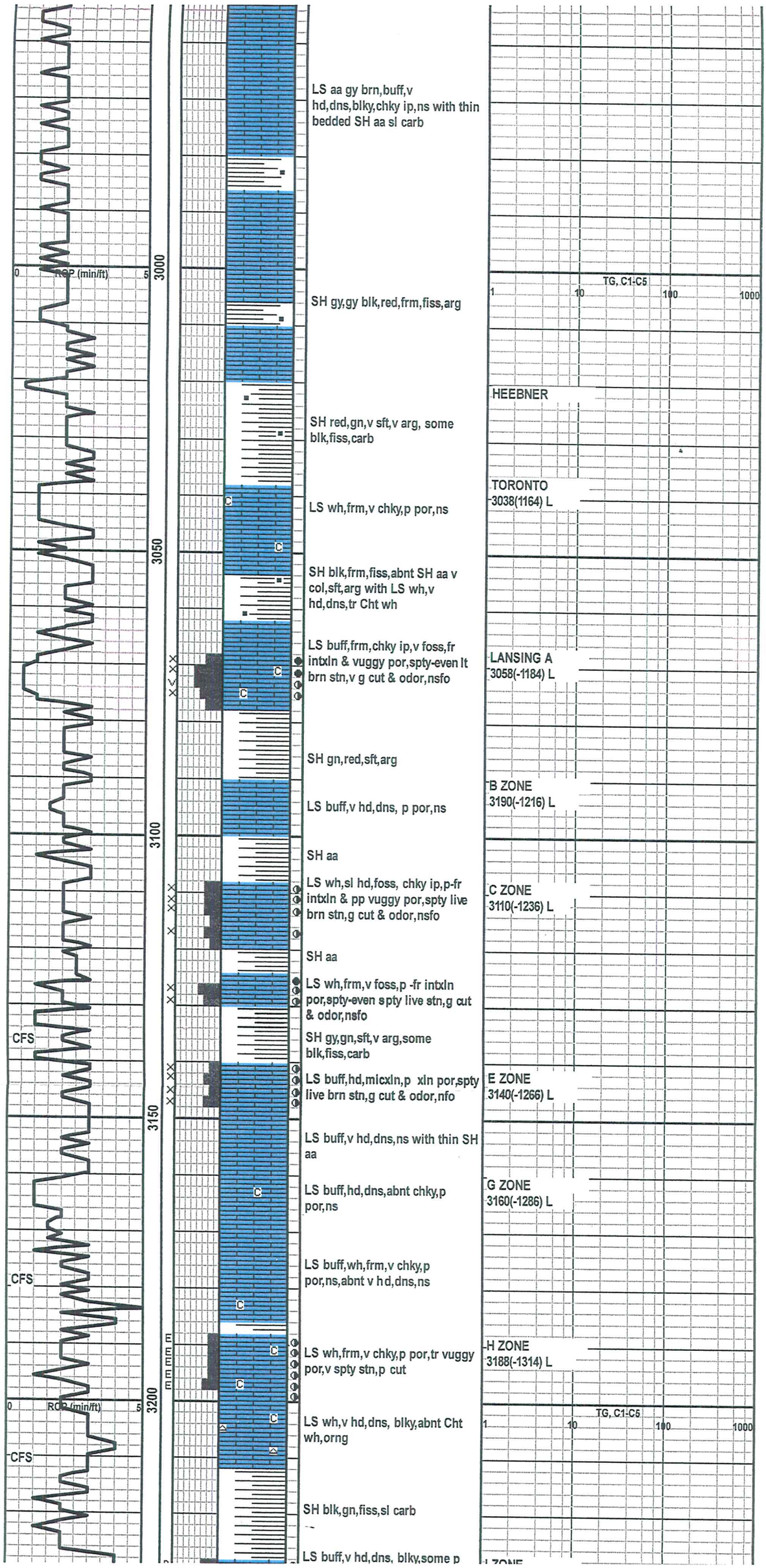
- Spotted
- Ques
- Dead

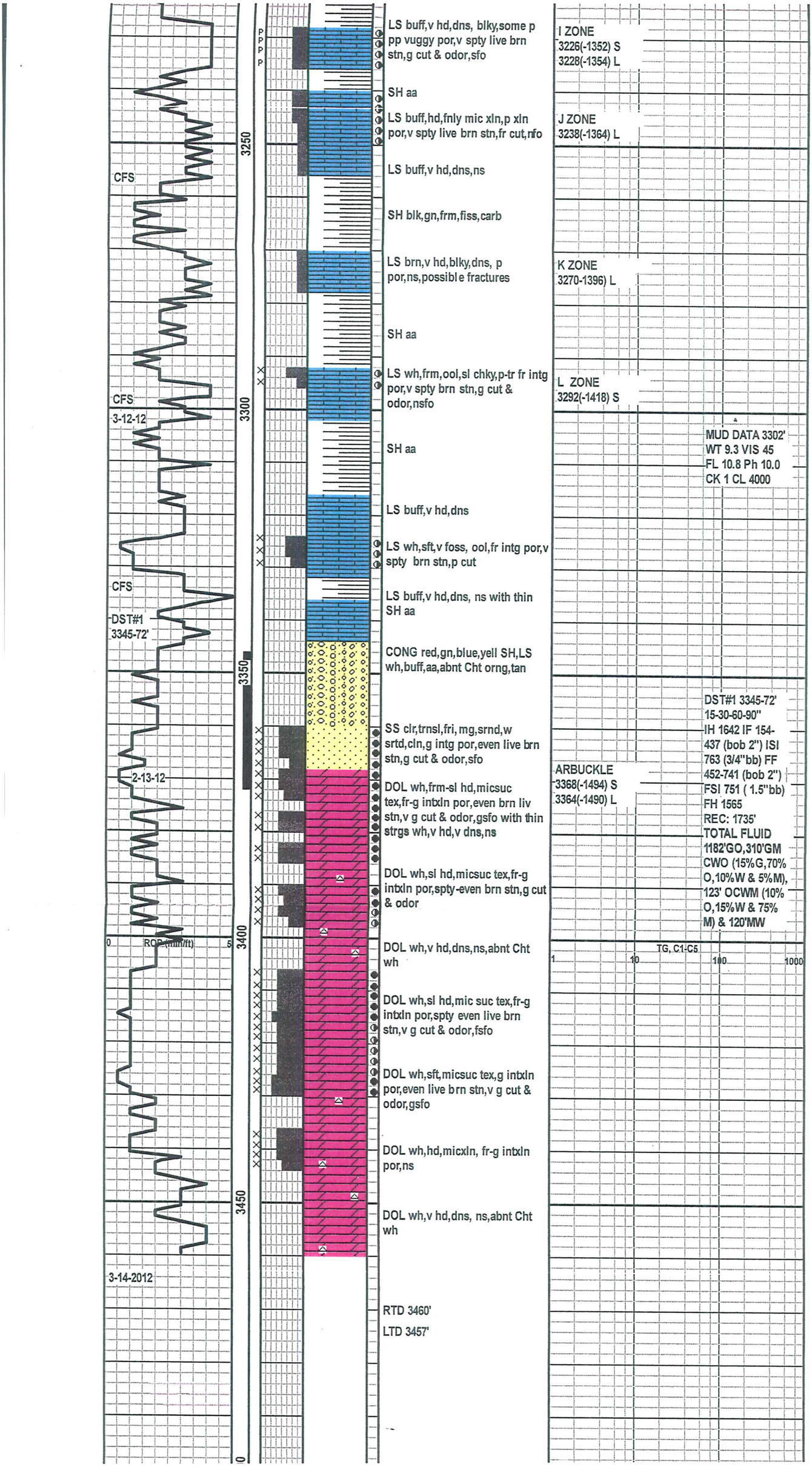
INTERVAL
- Dst
- Dst

EVENT
- Rft
- Sidewall




2700
2750
2800
2850
2900
2950
0
ROP (min/ft)
5
3-11-12
SH aa with thin LS strgs aa,ns
LS gy brn,v hd,dns, some chlky,p [por,ns
LS wh,frm,micxln, foss,p-fr xln por,spty-even live brn stn,v g cut,gsfo
LS gy brn,hd,dns,sl foss,blky,p por,ns
SH gy,frm,fiss
LS gy brn,v hd,dns, chky ip,blky,ppor,ns
SH gy,gy blk,frm, fiss,sl carb
TOPEKA
2782(-908) L
TG, C1-C5
1
10
100
1000
35' TOPEKA
2830(-956) S
MUD DATA 2876'
WT 9.0 VIS 45
FL 8.8 Ph 10.5
CK 1 CL 3000


ROP (min/ft)
0
5
3000
3050
3100
3150
3200
CFS
CFS
CFS
LS aa gy brn,buff,v hd,dns,blky,chky ip,ns with thin bedded SH aa sl carb
SH gy,gy blk,red,frm,fiss,arg
SH red,gn,v sft,v arg, some blk,fiss,carb
LS wh,frm,v chky,p por,ns
SH blk,frm,fiss,abnt SH aa v col,sft,arg with LS wh,v hd,dns,tr Cht wh
LS buff,frm,chky ip,v foss,fr intxln & vuggy por,spty-even lt brn stn,v g cut & odor,nsfo
SH gn,red,sft,arg
LS buff,v hd,dns, p por,ns
SH aa
LS wh,sl hd,foss, chky ip,p-fr intxln & pp vuggy por,spty live brn stn,g cut & odor,nsfo
SH aa
LS wh,frm,v foss,p -fr intxln por,spty-even spty live stn,g cut & odor,nsfo
SH gy,gn,sft,v arg,some blk,fiss,carb
LS buff,hd,micxln,p xln por,spty live brn stn,g cut & odor,nfo
LS buff,v hd,dns,ns with thin SH aa
LS buff,hd,dns,abnt chky,p por,ns
LS buff,wh,frm,v chky,p por,ns,abnt v hd,dns,ns
LS wh,frm,v chky,p por,tr vuggy por,v spty stn,p cut
LS wh,v hd,dns, blky,abnt Cht wh,orng
SH blk,gn,fiss,sl carb
LS buff,v hd,dns, blky,some p
TG, C1-C5
1
10
100
1000
HEEBNER
TORONTO
3038(1164) L
LANSING A
3058(-1184) L
B ZONE
3190(-1216) L
C ZONE
3110(-1236) L
E ZONE
3140(-1266) L
G ZONE
3160(-1286) L
H ZONE
3188(-1314) L
TG, C1-C5
1
10
100
1000
L ZONE


CFS
CFS
3-12-12
CFS
DST#1
3345-72'
2-13-12
3-14-2012
0 ROP (min/ft) 5
3250
3300
3350
3400
3450
0
LS buff,v hd,dns, blky,some p pp vuggy por,v spty live brn stn,g cut & odor,sfo
SH aa
LS buff,hd,fnly mic xln,p xln por,v spty live brn stn,fr cut,nfo
LS buff,v hd,dns,ns
SH blk,gn,frm,fiss,carb
LS brn,v hd,blky,dns, p por,ns,possible fractures
SH aa
LS wh,frm,ool,sl chky,p-tr fr intg por,v spty brn stn,g cut & odor,nsfo
SH aa
LS buff,v hd,dns
LS wh,sft,v foss, ool,fr intg por,v spty brn stn,p cut
LS buff,v hd,dns, ns with thin SH aa
CONG red,gn,blue,yell SH,LS wh,buff,aa,abnt Cht orng,tan
SS clr,trnsl,fri, mg,srnd,w srtd,cln,g intg por,even live brn stn,g cut & odor,sfo
DOL wh,frm-sl hd,micsuc tex,fr-g intxln por,even brn liv stn,v g cut & odor,gsfo with thin strgs wh,v hd,v dns,ns
DOL wh,sl hd,micsuc tex,fr-g intxln por,spty-even brn stn,g cut & odor
DOL wh,v hd,dns,ns,abnt Cht wh
DOL wh,sl hd,mic suc tex,fr-g intxln por,spty even live brn stn,v g cut & odor,fsfo
DOL wh,sft,micsuc tex,g intxln por,even live brn stn,v g cut & odor,gsfo
DOL wh,hd,micxln, fr-g intxln por,ns
DOL wh,v hd,dns, ns,abnt Cht wh
RTD 3460'
LTD 3457'
I ZONE
3226(-1352) S
3228(-1354) L
J ZONE
3238(-1364) L
K ZONE
3270-1396) L
L ZONE
3292(-1418) S
ARBUCKLE
3368(-1494) S
3364(-1490) L
MUD DATA 3302'
WT 9.3 VIS 45
FL 10.8 Ph 10.0
CK 1 CL 4000
DST#1 3345-72'
15-30-60-90"
IH 1642 IF 154-437 (bob 2") ISI 763 (3/4"bb) FF 452-741 (bob 2") FSI 751 (1.5"bb)
FH 1565
REC: 1735'
TOTAL FLUID 1182'GO,310'GM CWO (15%G,70% O,10%W & 5%M), 123' OCWM (10% O,15%W & 75% M) & 120'MW
TG, C1-C5
1
10
100
1000

DRILL STEM TEST REPORT

Berexco LLC

2020 N Bramblew ood
Wichita Ks 67206+1094

ATTN: Bruce Meyer

19-11s-16w

Potter #12

Job Ticket: 44807 **DST#: 1**

Test Start: 2012.03.13 @ 01:58:56

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:46:26
Time Test Ended: 12:57:26

Test Type: Conventional Bottom Hole (Initial)
Tester: Jeff Brown
Unit No: 44

Interval: 3345.00 ft (KB) To 3372.00 ft (KB) (TVD)
Total Depth: 3372.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

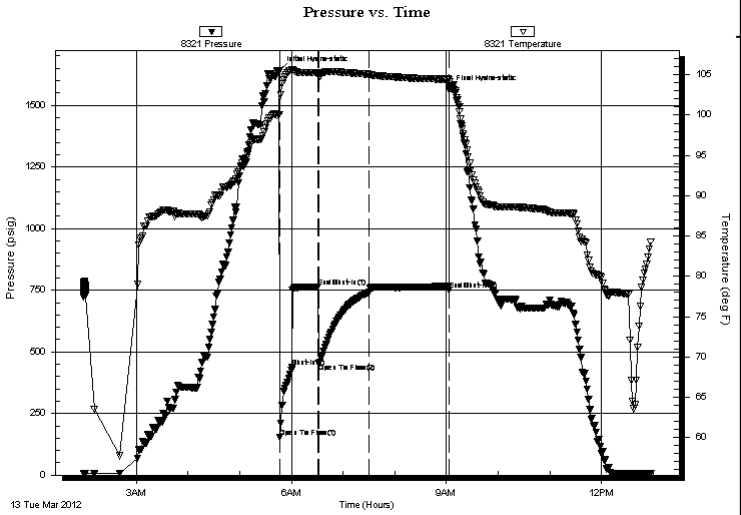
Reference Elevations: 1874.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8321 **Inside**

Press@RunDepth: 740.70 psig @ 3349.00 ft (KB)
Start Date: 2012.03.13 End Date: 2012.03.13
Start Time: 01:58:57 End Time: 12:57:26

Capacity: 8000.00 psig
Last Calib.: 2012.03.13
Time On Btm: 2012.03.13 @ 05:45:56
Time Off Btm: 2012.03.13 @ 09:03:26

TEST COMMENT: IFP-Strong blow BOB in 2 min
ISI-Weak surface blow back built to 3/4 in
FFP-Strong blow BOB in 2 min
FSI-Weak surface blow back built to 1 1/2 in died back to 3/4 in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.14	100.02	Initial Hydro-static
1	154.22	100.01	Open To Flow (1)
15	436.84	105.59	Shut-In(1)
45	763.09	105.23	End Shut-In(1)
46	452.39	105.08	Open To Flow (2)
104	740.70	105.07	Shut-In(2)
197	751.02	104.44	End Shut-In(2)
198	1564.69	104.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW w ith a scum of oil 10%M 90%W	0.59
123.00	OCWM 10%O 15%W 75%M	0.60
310.00	GMCWO 15%G 5%M 10%W 70%O	1.62
1182.00	Gassy Oil 15%G 85%O	16.58

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

2020 N Bramblew ood
Wichita Ks 67206+1094

ATTN: Bruce Meyer

19-11s-16w

Potter #12

Job Ticket: 44807 **DST#: 1**

Test Start: 2012.03.13 @ 01:58:56

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

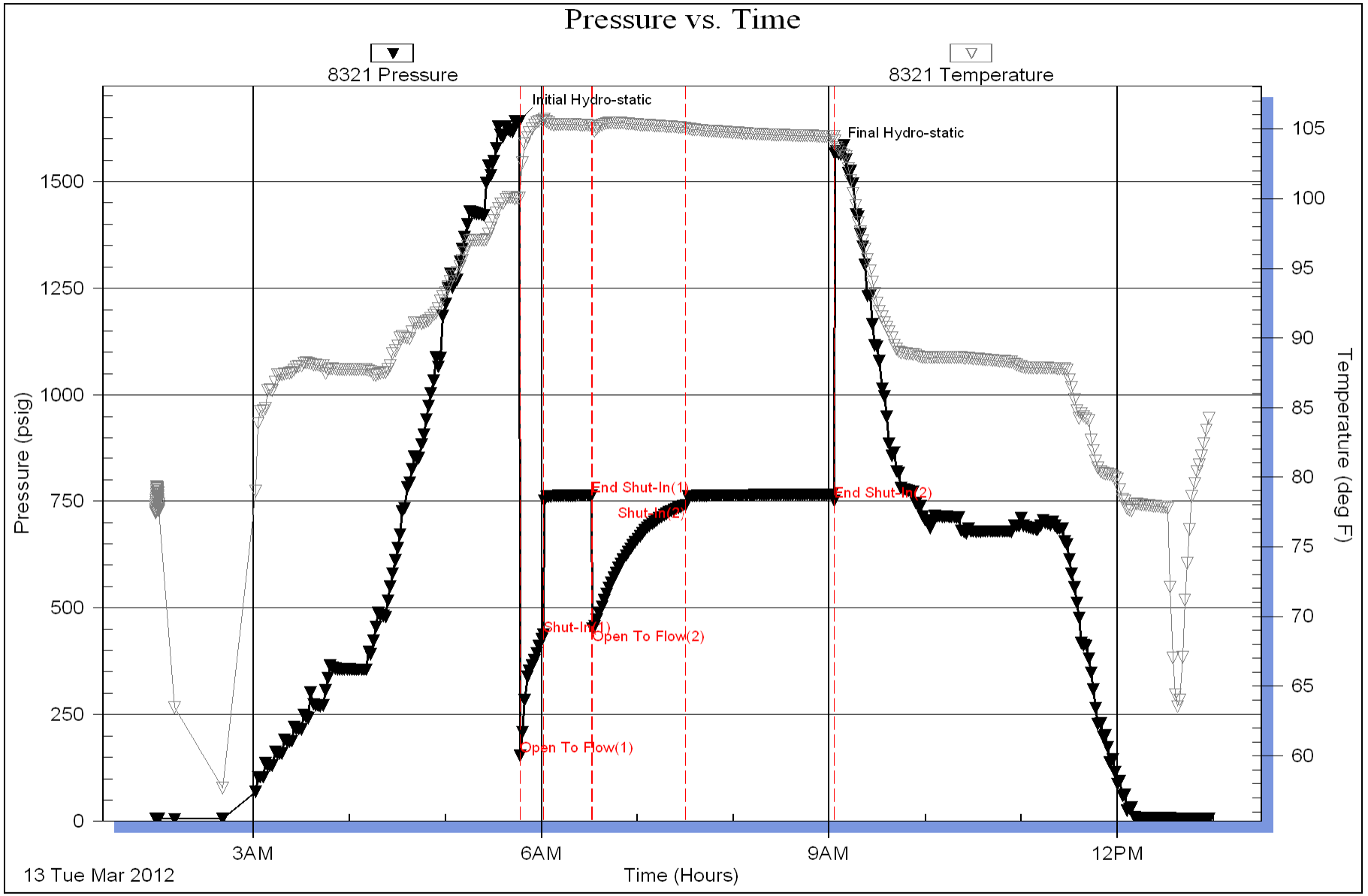
Recovery Table

Length ft	Description	Volume bbl
120.00	MW w ith a scum of oil 10%M 90%W	0.590
123.00	OCWM 10%O 15%W 75%M	0.605
310.00	GMCWO 15%G 5%M 10%W 70%O	1.625
1182.00	Gassy Oil 15%G 85%O	16.580

Total Length: 1735.00 ft Total Volume: 19.400 bbl

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

Serial #: 8321 **Inside** Berexco LLC Potter #12 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 44807 Printed: 2012.03.13 @ 13:17:39