

Confidentiality Requested:

☒ Yes ☐ NoKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4787

Name: TDI, Inc.

Address 1: 1310 BISON RD

Address 2:

City: HAYS State: KS Zip: 67601 + 9696

Contact Person: Tom Denning

Phone: (785) 628-2593

CONTRACTOR: License # 33350

Name: Southwind Drilling, Inc.

Wellsite Geologist: Herb Deines

Purchaser:

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ WSW ☐ SWD☐ Gas ☒ DH ☐ EOR☐ OG ☐ GSW☐ 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 EOR ☐ Conv. to SWD☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer☐ Commingled Permit #:☐ Dual Completion Permit #:☐ SWD Permit #:☐ EOR Permit #:☐ GSW Permit #:

7/17/2024 7/22/2024 7/23/2024

Spud Date or
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

API No.: 15-165-22183-00-00

Spot Description:

SW NW NE NE Sec. 19 Twp. 17 S. R. 18 ☐ East ☒ West424 Feet from ☒ North / ☐ South Line of Section1169 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: Rush

Lease Name: SCHWARTZKOPF Well #: 1

Field Name: Unnamed

Producing Formation: Dry Hole

Elevation: Ground: 2117 Kelly Bushing: 2127

Total Vertical Depth: 3796 Plug Back Total Depth: 0

Amount of Surface Pipe Set and Cemented at: 631 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: 42000 ppm Fluid volume: 650 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: 08/10/2024

☐ Confidential Release Date: 08/10/2026☐ Wireline Log Received ☐ Drill Stem Tests Received☒ Geologist Report / Mud Logs Received☐ UIC DistributionALT ☒ I ☐ II ☐ III Approved by: Kelsey Cox Date: 08/12/2024

Operator Name: TDI, Inc. Lease Name: SCHWARTZKOPF Well #: 1
 Sec. 19 Twp. 17 S. R. 18 ☐ East ☒ West County: Rush

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 (Attach Additional Sheets)	☐ Yes ☒ No	☐ Log	Formation (Top), Depth and Datum	☒ Sample
Samples Sent to Geological Survey	☒ Yes ☐ No	Name	Top	Datum
Cores Taken	☐ Yes ☒ No	Anhydrite	1277'	+850'
Electric Log Run	☐ Yes ☒ No	Heebner	3394'	-1267'
Geologist Report / Mud Logs	☒ Yes ☐ No	Lansing/Kansas City	3443'	-1316'
List All E. Logs Run:		Base Kansas City	3708'	-1581'
		Marmaton	3750'	-1623'
		Granite Wash	3778'	-1651'
		Precambrian	3794'	-1667'

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	23	631	80/20 Poz	275	3% cc, 2% ge4l

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	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No (If No, skip questions 2 and 3)
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)
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)

Date of first Production/Injection or Resumed Production/Injection:		Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)		METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4)		PRODUCTION INTERVAL: Top Bottom	

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)
TUBING RECORD: Size: Set At: Packer At:					

Form	ACO1 - Well Completion
Operator	TDI, Inc.
Well Name	SCHWARTZKOPF 1
Doc ID	1788733

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	631	80/20 Poz	275	3% cc, 2% ge4l

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

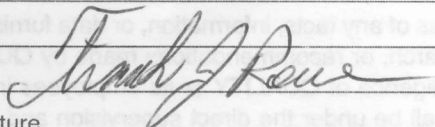
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Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-18-24	19	17	18	Rush	KS		5:00AM
Location				LACROSSE 2N 2W			

Lease	SCHWARTZKOP		Well No.	1		Owner	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.	
Contractor	SOUTHWIND							
Type Job	SURFACE							
Hole Size	12 1/4		T.D.	632		Charge To	TDI	
Csg.	8 1/2		Depth			Street		
Tbg. Size			Depth			City	State	
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.		
Cement Left in Csg.	20		Shoe Joint			Cement Amount Ordered	2750, 80/20 3-2	
Meas Line			Displace	38.9				
EQUIPMENT								
Pumptrk	17	No.	Cement	Bill		Common	220	
			Helper			Poz. Mix	55	
Bulktrk		No.	Driver	BRYANT		Gel.	5	
			Driver			Calcium	10	
Bulktrk	20	No.	Driver	CORY				
			Driver					

JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
Set c 631				Handling 290			
Cement 2750 lb				Mileage			
pump plug 38.9 Hbls				FLOAT EQUIPMENT			
Cement Did CIRC				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Ripper Wood plug - 8 1/2			
				Pumptrk Charge			
				Long Surface			
				Mileage 52			

Signature 	Tax	
	Discount	
	Total Charge	

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 4036

Cell 785-324-1041

Date	7/22/24	Sec.	19	Twp.	17	Range	18	County	Rush	State	KS	On Location		Finish	1:00 AM		
								Location								lacrosse 2 west 2 north 1/2 w	
Lease								Schwartzkopf		Well No.		1		Owner			
Contractor								Southwind				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.			
Type Job								PTA				Charge To		TDI inc.			
Hole Size										T.D.		Street					
Csg.										Depth		City		State			
Tbg. Size										Depth		City		State			
Tool										Depth		The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.										Shoe Joint		Cement Amount Ordered		220 6/40 4%gel			
Meas Line										Displace		1 wood plug					
EQUIPMENT																	
Pumptrk 17								No.		Cement		Common		130			
										Helper		Poz. Mix		90			
Bulktrk 20								No.		Driver		Gel.		8			
										Driver		Calcium					
Bulktrk PU								No.		Driver		Hulls					
										Driver		Salt					
JOB SERVICES & REMARKS																	
Remarks:								Flowseal 50 #									
Rat Hole								Kol-Seal									
Mouse Hole								Mud CLR 48									
Centralizers								CFL-117 or CD110 CAF 38									
Baskets								Sand									
D/V or Port Collar								Handling 228									
3790 50 SKS								Mileage									
1320 50 SKS								FLOAT EQUIPMENT									
660 50 SKS								Guide Shoe									
60 20 SKS								Centralizer									
Rathole 30 SKS								Baskets									
mousehole 20 SKS								AFU Inserts									
								Float Shoe									
								Latch Down									
								Pumptrk Charge plug									
								Mileage 52									
Signature								Thanks									
								Tax									
								Discount									
								Total Charge									

OPERATOR

Company: TDI, INC
Address: 1310 BISON ROAD
HAYS, KANSAS 67601-9696

Contact Geologist: TOM DENNING
Contact Phone Nbr: 785-628-2593
Well Name: SCHWARTZKOPF # 1
Location: SW NW NE NE, SEC.19-T17S-R18W
API: 15-165-22183-00-00
Pool: WILDCAT
State: KANSAS

Field: UNNAMED
Country: USA



Scale 1:240 Imperial

Well Name: SCHWARTZKOPF # 1
Surface Location: SW NW NE NE, SEC.19-T17S-R18W
Bottom Location:
API: 15-165-22183-00-00
License Number: 4787
Spud Date: 7/17/2024 Time: 1:45 PM
Region: RUSH COUNTY
Drilling Completed: 7/22/2024 Time: 3:54 PM
Surface Coordinates: 424' FNL & 1169' FEL
Bottom Hole Coordinates:
Ground Elevation: 2117.00ft
K.B. Elevation: 2127.00ft
Logged Interval: 0.00ft To: 0.00ft
Total Depth: 3796.00ft
Formation: LKC, CONGLOMERATE SAND
Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.3507772
Latitude: 38.5670174
N/S Co-ord: 424' FNL
E/W Co-ord: 1169' FEL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
Address: 108 W 35TH
HAYS, KS 67601

Phone Nbr: (785) 639-1337
Logged By: GEOLOGIST

Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING INC.
Rig #: 1
Rig Type: MUD/ROTARY
Spud Date: 7/17/2024
TD Date: 7/22/2024

Time: 1:45 PM
Time: 3:54 PM

ELEVATIONS

K.B. Elevation: 2127.00ft
K.B. to Ground: 10.00ft

Ground Elevation: 2117.00ft

NOTES

"C" and "J" zones circulated up and examined. NO Shows, No Staining, No Wet Cut.
Examined top of conglomerate section for sand and found only Granite Wash. NO Shows, No staining, No Wet Cut.
No other shows or staining noted from top of the Topeka to RTD.

Decision to plug and abandon well.

No open hole logs were ran.

No drill stem tests were ran.

FORMATION TOPS COMPARISON

	SCHWARTZKOPF # 1 SW NW NE NE SEC.19-17S-18W KB 2127'	BECKER # 1 NW NW SW SEC. 20-17S-18W KB 2110'	KAHLER # 1 NE NW SEC.20-17S-18W KB 2118'
	SPL TOPS		
Anhydrite-top	1277 +850	+857	+858
Anhydrite-base	1312 +815		+828
Heebner Shale	3394-1267	-1266	-1262
Toronto	3414-1287	-1280	-1280
LKC	3443-1316	-1314	-1310
BKC	3708-1581	-1578	-1579
Marmation	3750-1623	-1630	-1620
Granite Wash	3778-1651		-1683
Precambrian	3794-1667	-1701	-1695
RTD	3796-1669	-1710	-1704

07-17-24 Spud 1:45 PM.
07-18-24 632', set 8 5/8" surface pipe to 631' w/ 275 sxs 80/20 pos 3%CC 2%gel, plug
down 5:00 AM, slope 3/4degree @632'. WOC, drill plug 1:00 PM
07-19-24 1762', drilling
07-20-24 2640', drilling, displaced 2810-2841'
07-21-24 3270', drilling, CFS 3478', drilling
07-22-24 3630', CFS 3653', CFS 3796', RTD 3796'@3:54 PM, decision to P & A, LDDP
08-23-24 3796', plugging complete at 1:00 AM

 Cht vari

 Dol Lime

 Lmst fw7>

 Lscongl

 shale, grn

 shale, gry

 Carbon Sh

 shale, red

 Ignebasic

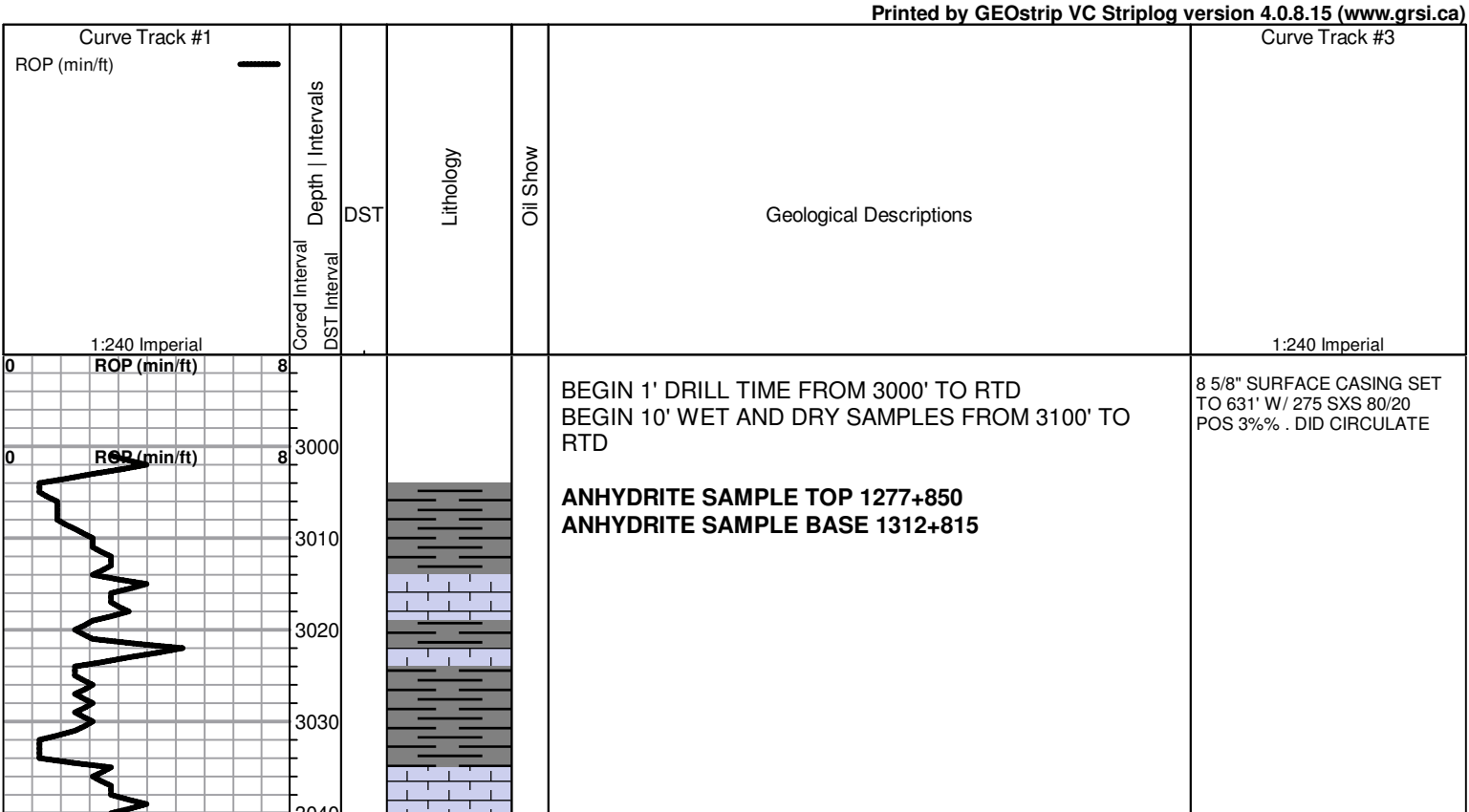
 Meta

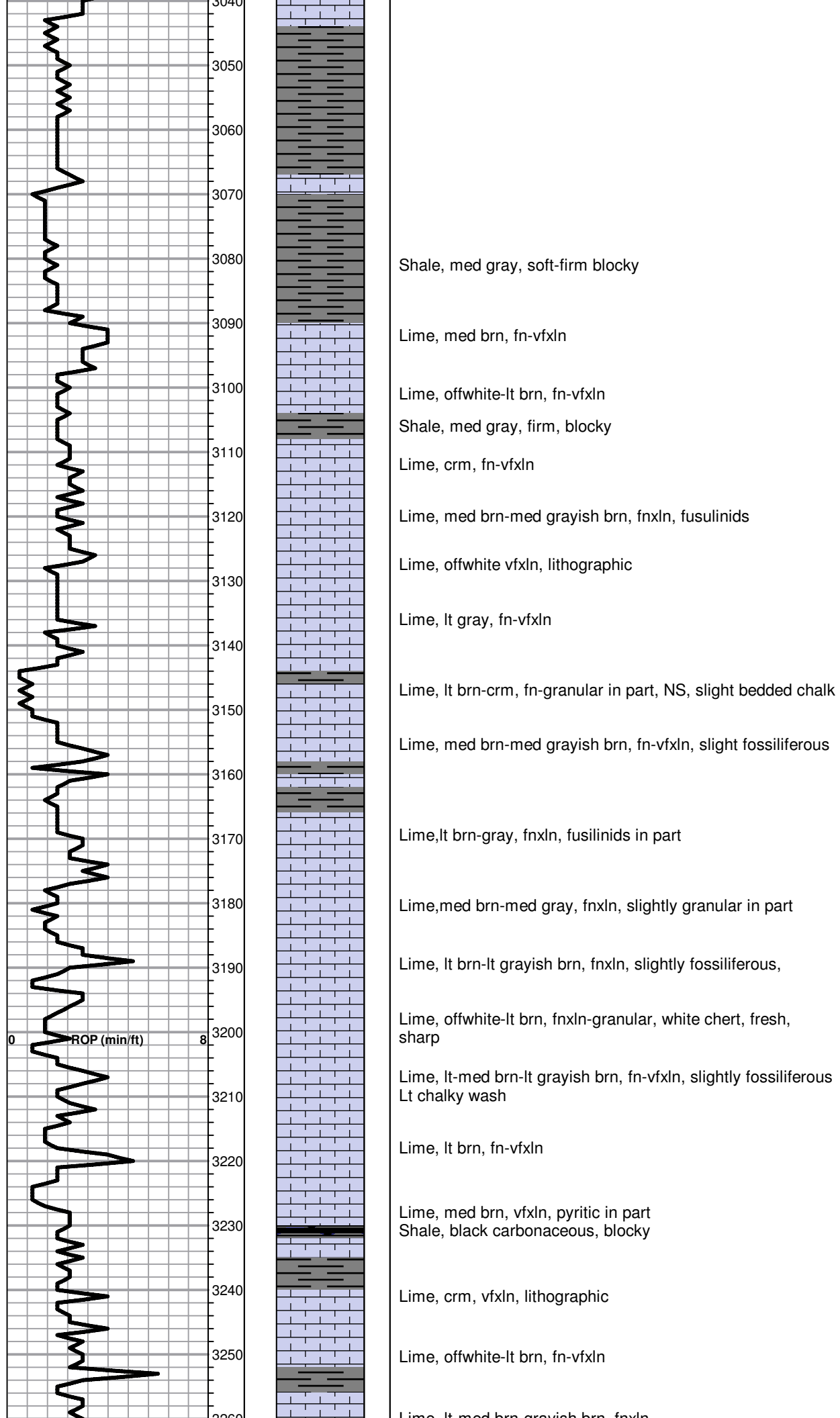
FOSSIL

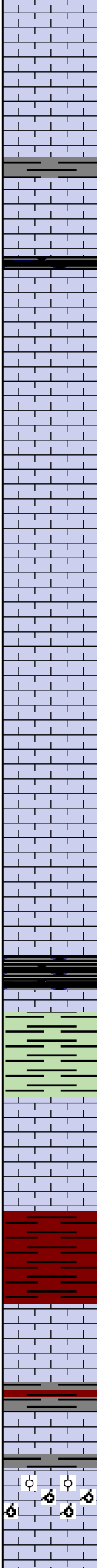
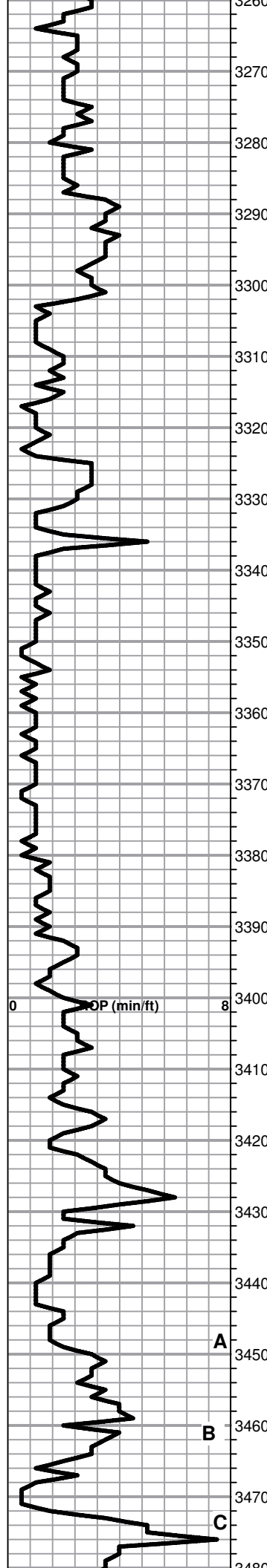
 Oolite

 Oomoldic

ACCESSORIES







Lime, lt-med brn-med grayish brn, fn-vfxln, slightly fossiliferous

Lime, lt-med brn-med grayish brn fn-vfxln

Shale, gray-black carbonaceous, blocky

Lime, lt brn, granular, lt chalky wash with bedded chalk in part

Lime, lt brn, granular, slight bedded chalk, lt white wash

Lime, lt brn, fnxln-granular, slight chalk in part

Lime, lt brn-lt gray, granular, slight chalky, sticky chalk in part

Lime, lt brn-tan, fnxln-granular

Lime, lt brn, fnxln-granular, soft on crush, slight chalk, scattered fossil fragments

Lime, crm-lt brn, granular, slightly chalky, slight fossiliferous

Lime, lt brn, granular-fnxln

HEEBNER SHALE SAMPLE TOP 3394-1267

Shale, black carbonaceous, blocky

Shale, lt green, soft sticky mud

TORONTO SAMPLE TOP 3414-1287

Lime, white, fn-vfxln

Lime, crm-tan, fn-vfxln, NS or odor

Shale, red, soft mud

LKC SAMPLE TOP 3443-1316

Lime, tan-lt brn, fnxln-granular in part, NS or odor

Shale, red-gray, soft, blocky to soft sticky

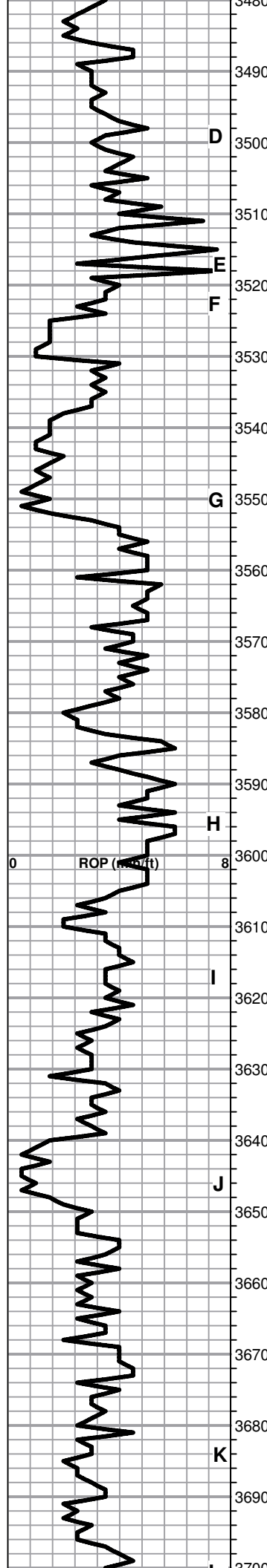
Lime, lt brn, fn-vfxln

Lime, lt brn, fnxln with oomoldic voids, NS, staining or wet cut

Lime, crm-tan, fnxln with void oomolds, NS, No staining,

3284' BANK DRILL PIPE AND SWAP OUT MUD PUMP. TIWB

CFS 3478'



D

E

F

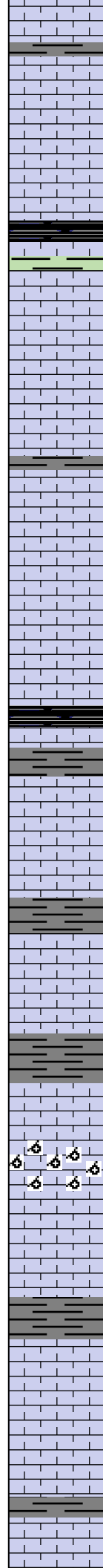
G

H

I

J

K



bedded chalk in part

Lime, white-crm, fn-micro xln

Lime, white-crm, fn-micro xln

Lime, white-crm fn-micro xln

Shale, black carbonaceous, blocky

Lime, med brn, vfxln

Lime, crm-tan, fn-vfxln, slight bedded chalk, NS

Lime, crm-tan, fnxln, bedded chalk

Lime, crm, fn-vfxln, bedded chalk, NS

Lime, crm-tan, oomoldic voids, NS, bedded chalk in part

Lime, offwhite-crm, fn-micro xln, slight bed chalk

Lime, offwhite-lt brn, fn-micro xln

Lime, offwhite, lt brn, fn-vfxln

Shale, med gray,blocky

Lime, crm-tan, fn-micro xln

Lime crm-lt brn, fn-micro xln

Lime, white-crm, fn-micro xln, slight bed chalk

Lime, lt brn, fn-micro xln

Shale, med-dark gray, soft blocky

Lime, lt brn, fn-micro xln

Lime, crm-lt brn, fnxln with void oomolds, NS, NO odor no wet cut

Lime, lt brn, fn-micro xln

Shale, med gray, soft-firm blocky

Lime, lt brn, fn-micro xln

Lime, lt brn, micro xln

Shale gray-reddish brn, firm, blocky

Lime, lt brn, micro xln

CFS 3653'

