

OPERATOR

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

Contact Geologist: TOM DENNING
Contact Phone Nbr: 785-259-3141
Well Name: MUNSCH # 6
Location: SE NE NW SE Sec.9-15s-19w
Pool: INFIELD
State: KANSAS

API: 15-051-26,382-00-00
Field: SCHOENCHEN
Country: USA



1310 BISON ROAD
HAYS, KANSAS 67601
(785) 628-2593

Scale 1:240 Imperial

Well Name: MUNSCH # 6
Surface Location: SE NE NW SE Sec.9-15s-19w
Bottom Location:
API: 15-051-26,382-00-00
License Number: 4787
Spud Date: 9/11/2012 Time: 5:00 PM
Region: ELLIS COUNTY
Drilling Completed: 9/16/2012 Time: 7:40 PM
Surface Coordinates: 2250' FSL & 1560' FEL
Bottom Hole Coordinates:
Ground Elevation: 2029.00ft
K.B. Elevation: 2039.00ft
Logged Interval: 2900.00ft To: 3755.00ft
Total Depth: 3750.00ft
Formation: ARBUCKLE
Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: Latitude:
N/S Co-ord: 2250' FSL
E/W Co-ord: 1560' FEL

LOGGED BY

Company: SOLUTIONS CONSULTING
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: 9/11/2012 Time: 5:00 PM
TD Date: 9/16/2012 Time: 7:40 PM
Rig Release: 9/17/2012 Time: 10:45 AM

ELEVATIONS

K.B. Elevation: 2039.00ft
K.B. to Ground: 10.00ft
Ground Elevation: 2029.00ft

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL DUE TO LOW STRUCTURE OF ARBUCKLE AND LACK OF DEVELOPMENT IN THE LANSING-KANSAS CITY.

WELL LOGGED BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG

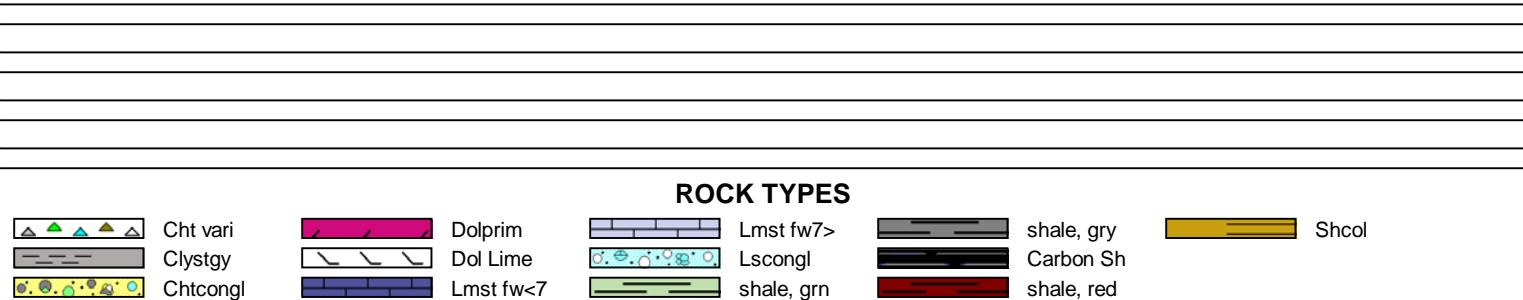
NO DRILL STEM TESTS WERE RAN ON THIS WELL

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

MUNSCH # 6
SE NE NW SE
Sec.9-15s-18w
2029' GL 2139' KB

<u>FORMATION</u>	<u>SAMPLE TOP</u>	<u>LOG TOP</u>
Anhydrite	1208+ 831	1208+ 831
B-Anhydrite	1244+ 795	1244+ 795
Topeka	2997- 958	3006- 962
Heebner Shale	3277-1238	3279-1240
Toronto	3297-1258	3299-1260
LKC	3323-1284	3326-1287
BKC	3548-1509	3552-1513
Marmaton Mkr.	3608-1569	3611-1572
Arbuckle	3657-1618	3660-1621
RTD	3750-1711	
LTD		3755-1716

9-11-12 RU, Spud, set surface casing to 223.03' w/150 sxs. Common, 2%gel,
 3%CC, Slope survey 3/4 degree
 9-12-12 225' WOC, kick off 8:15AM
 9-13-12 1575' drilling
 9-14-12 2388' drilling
 9-15-12 3100' drilling, displaced @ 2800'
 9-16-12 3445' drilling, RTD 3750' @ 7:40 PM, slope 2 1/4 degrees
 9-17-12 3750', logs, plug and abandon, plugging completed at 10:45 AM, RD



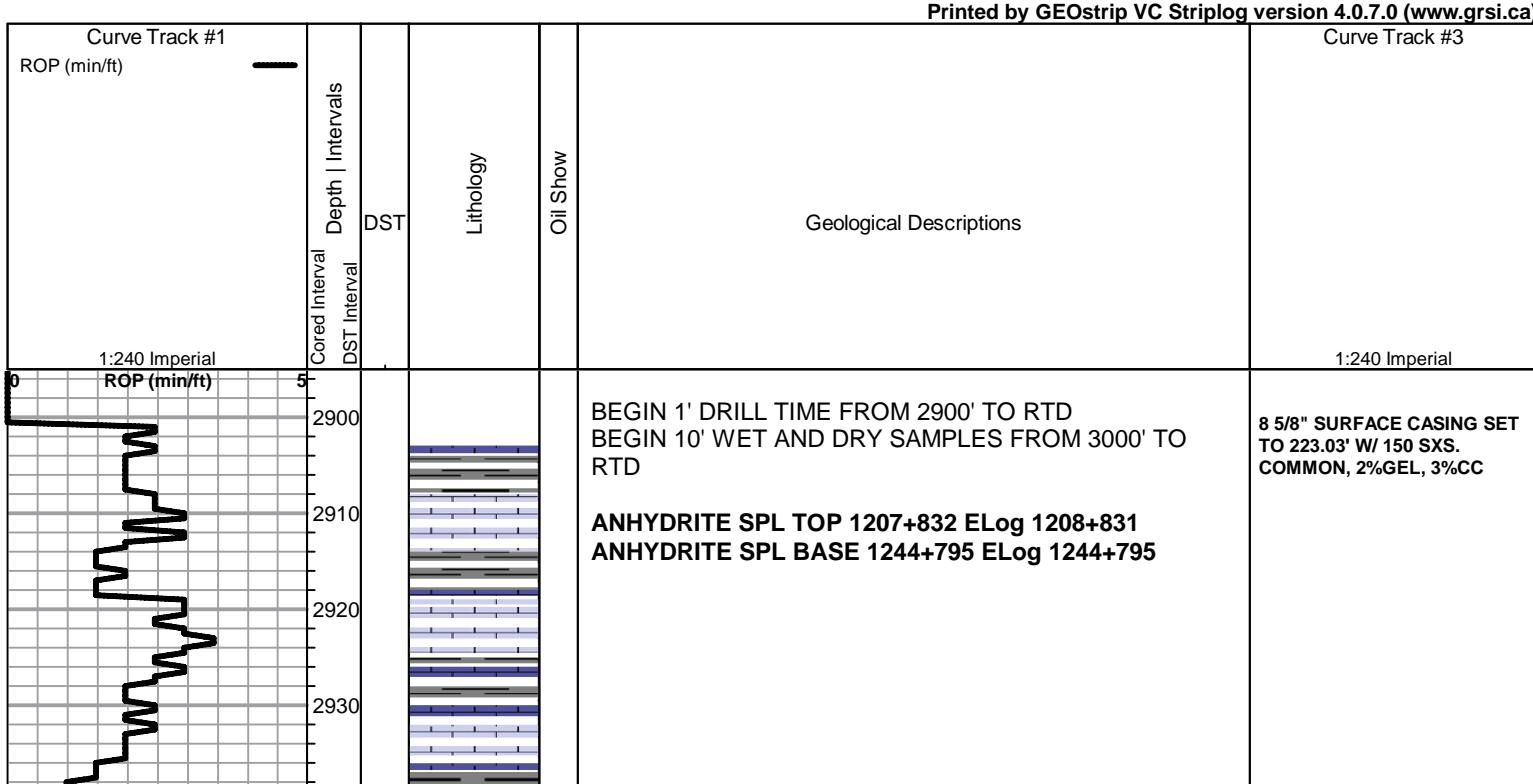
ACCESSORIES

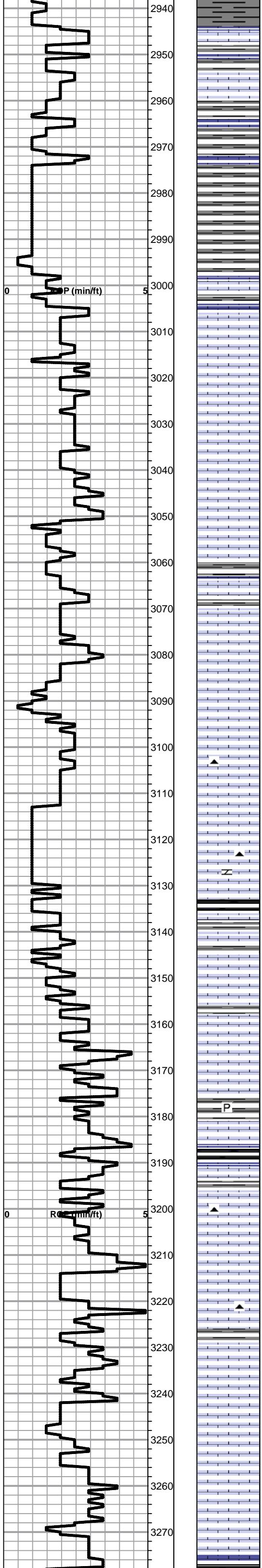
MINERAL	FOSSIL
▲ Chert, dark	◊ Oolite
■ Nodules	● Oomoldic
■ Pyrite	
△ Chert White	

OTHER SYMBOLS

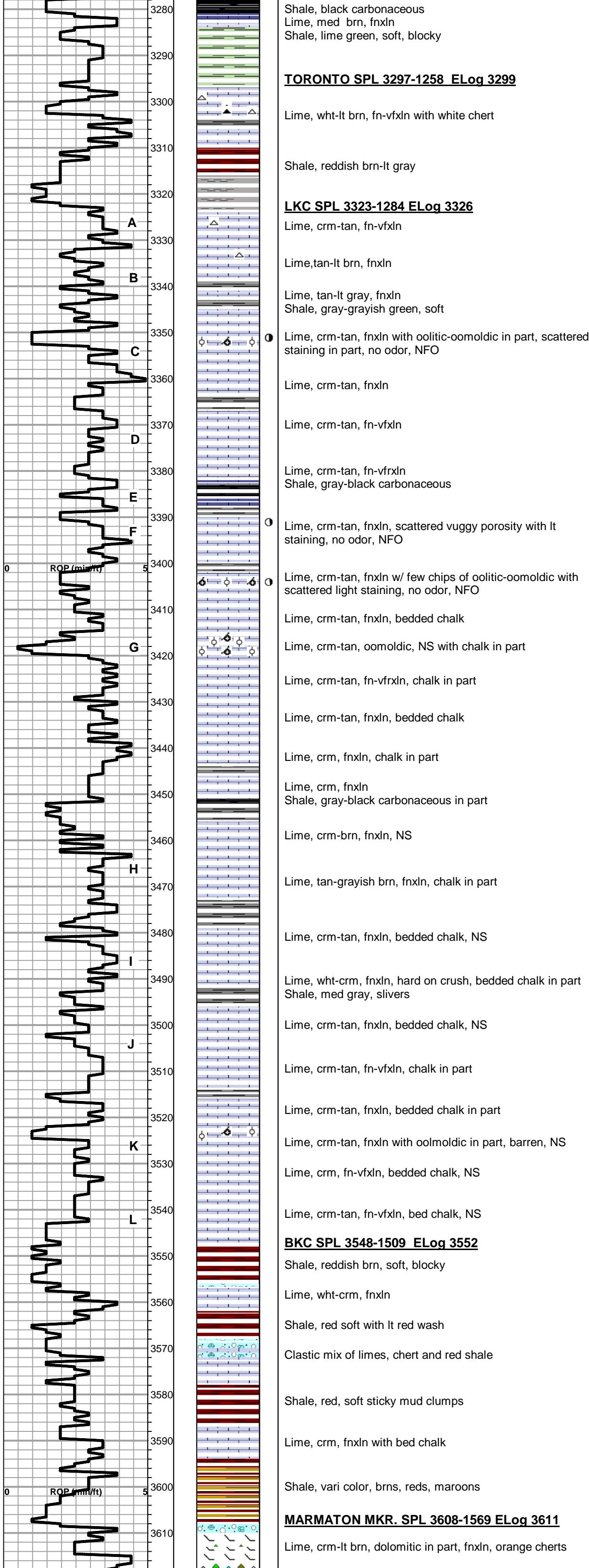
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■ DST Int
■ DST alt

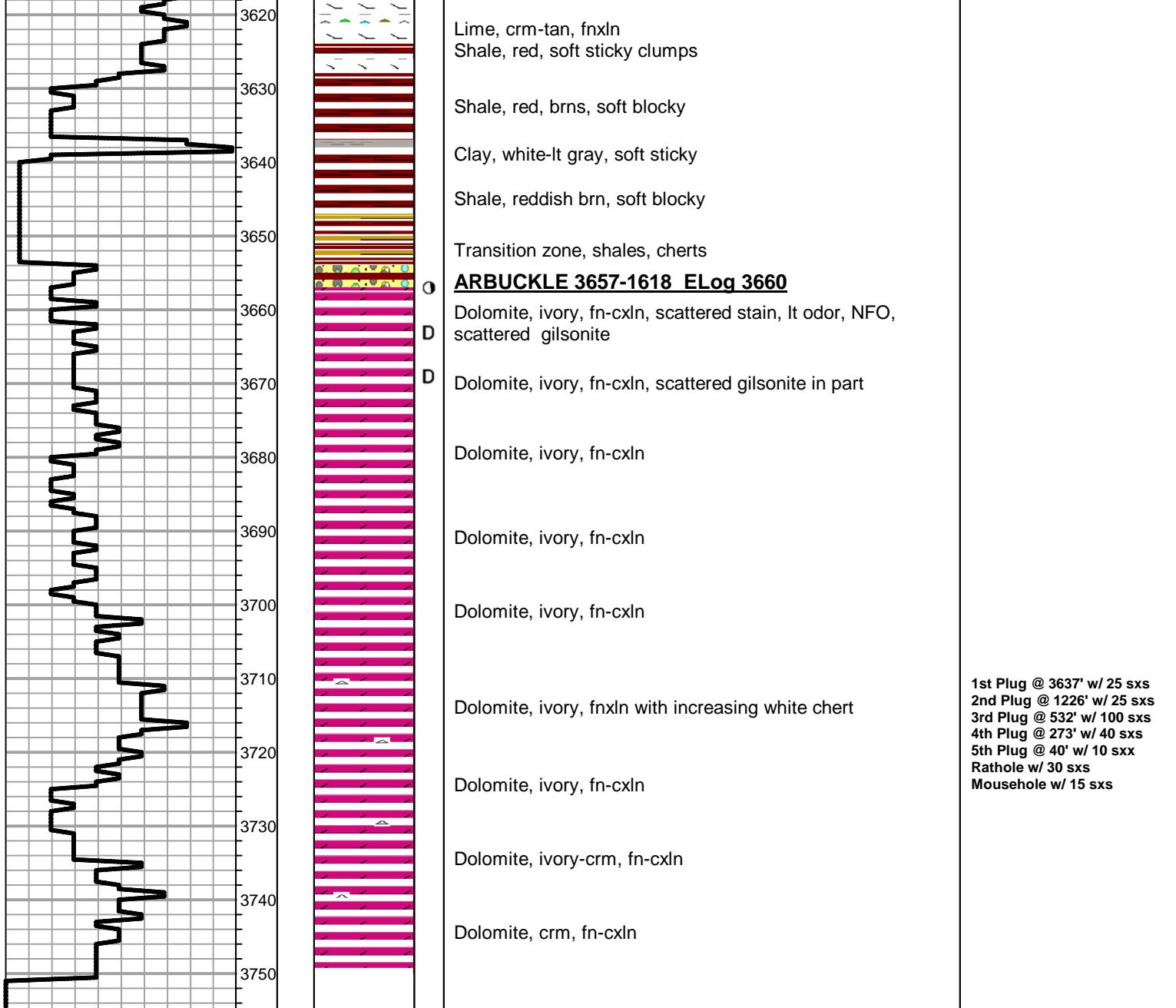
Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





LOG TD 5' DEEPER THAN
RTD. RESULT WAS
SAMPLE TOPS THAT WERE
HIGHER THAN LOG TOPS.





QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 739

Date 9-11-12	Sec. 9	Twp. 15	Range 18	County ELLIS	State KS	On Location	Finish 12.15AM
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Lease Munsch	Well No. #6	Location hays mach IN XE N into					
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Contractor Southwind Rigs 1	Owner To Quality Oilwell Cementing, Inc.					
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Type Job Surface	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
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Hole Size 12-1/4	T.D. 225	Charge To	TDI				
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Csg. 858	Depth 223.03	Street					
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Tbg. Size	Depth	City	State				
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Tool	Depth						
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Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.					
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Meas Line	Displace 12.314	Cement Amount Ordered 150 390cc 20% gel					
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EQUIPMENT

Pumptrk 16	No. 1	Cementer <i>part</i>	Common 150					
		Helper <i>part</i>						
Bulktrk 10	No. 2	Driver <i>part</i>	Poz. Mix					
		Driver <i>part</i>						
Bulktrk 24	No. 3	Driver <i>part</i>	Gel. 3					
		Driver <i>part</i>						
			Calcium 5					

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
<i>Cement did circulate</i>	Handling 158
	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge <i>Surface</i>	
Mileage 9	
	Tax
	Discount
	Total Charge

X Signature *Randy H*

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 6541

Cell 785-324-1041

Date 9-17-12	Sec. 9	Twp. 1518	Range	County Ellis	State KS	On Location	Finish 10:45 A.M.
Location Hwy 161 N to Minto							
Lease Munsch		Well No. 6		Owner To Quality Oilwell Cementing, Inc.			
Contractor Southwind #1				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 Rotary Plug				Charge To TDJ			
Hole Size 7 1/8		T.D. 3250		Street			
Csg.		Depth		City State			
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth		Cement Amount Ordered 245-60/40 40/26/11 144/2			
Cement Left in Csg.		Shoe Joint					
Meas Line		Displace					
EQUIPMENT							
Pumptrk 16	No. 1	Cementer	Common 147				
		Helper	Poz. Mix 98				
Bulktrk	No. 2	Driver	Gel. 9				
Bulktrk 10	No. 3	Driver	Calcium				
		Driver	Hulls				
JOB SERVICES & REMARKS							
Remarks:							
Rat Hole 30SK				Flowseal 60ff			
Mouse Hole 15SK				Koi-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
1st 3637 25SK				Handling 254			
2nd 1226 25SK				Mileage			
3rd 532 100SK				FLOAT EQUIPMENT			
4th 273 40SK				Guide Shoe			
5th 40 10SK				Centralizer 8 1/8 wrench plug			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge 9 plug			
				Mileage 9			
				Tax			
				Discount			
				Total Charge			

X Signature

Rey L.