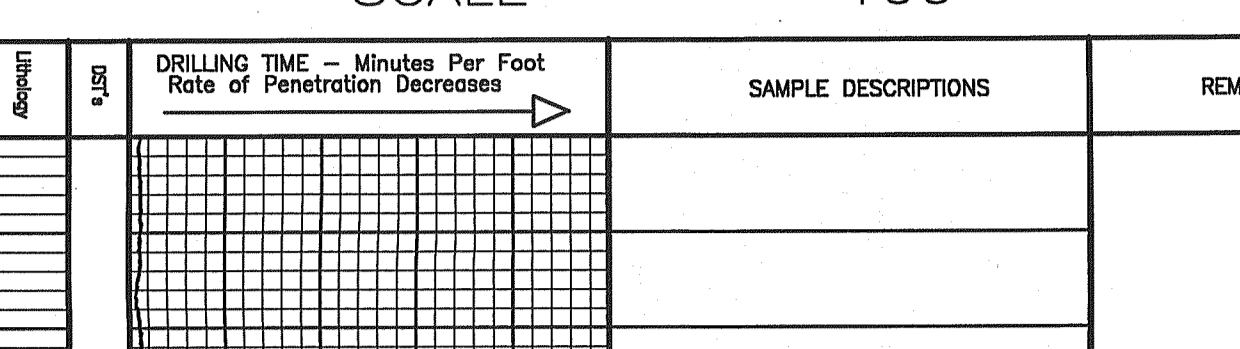


GEOLOGIST'S REPORT

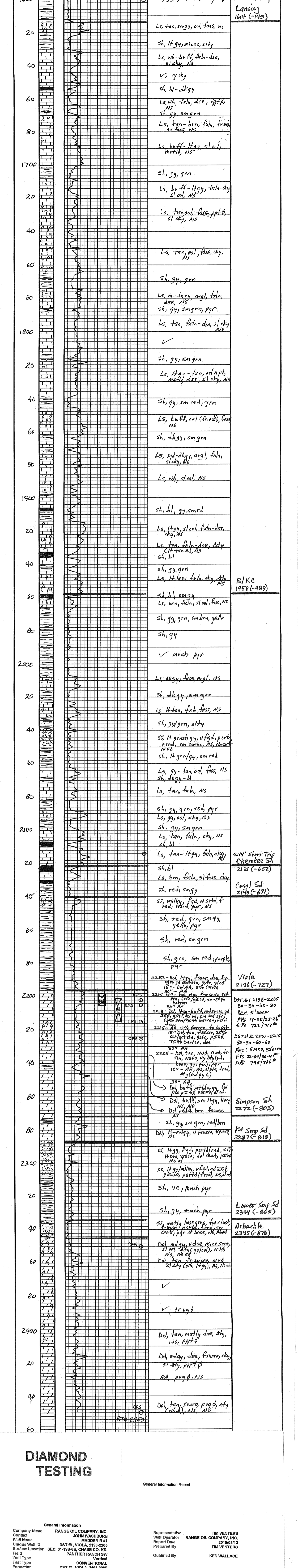
DRILLING TIME AND SAMPLE LOG

COMPANY: Range Oil Co., Inc.		ELEVATIONS: KB 149																																																																																																	
LEASE: Madder B #1		FIELD: Panther Ranch SW																																																																																																	
LOCATION: 630' E 1/2 Sec 21, T19N, R15E		COUNTY: Chase, KS																																																																																																	
SEC: 21		STATE: KS																																																																																																	
CONTRACTOR: C&G Drilling Co., Inc.		COSTING: \$101.15																																																																																																	
MUD UP: 1500'		TYPE MUD: Clean																																																																																																	
SAMPLES SAVED FROM: 1500' TO RTD		DRILLING TIME KEPT FROM: 1550' TO RTD																																																																																																	
SAMPLES EXAMINED FROM: 1550' TO RTD		GEOLOGICAL SUPERVISION FROM: 1600' TO RTD																																																																																																	
GEOLOGIST ON WELL: Ken Wallace		FORMATION TOPS: LOG																																																																																																	
<table border="1" style="width: 100%; text-align: center;"> <tr> <th>FORMATION TOPS</th> <th>LOG</th> <th>SAMPLES</th> </tr> <tr> <td>1500'</td> <td>1500'</td> <td></td> </tr> <tr> <td>1550'</td> <td>1550'</td> <td></td> </tr> <tr> <td>1600'</td> <td>1600'</td> <td></td> </tr> <tr> <td>1650'</td> <td>1650'</td> <td></td> </tr> <tr> <td>1700'</td> <td>1700'</td> <td></td> </tr> <tr> <td>1750'</td> <td>1750'</td> <td></td> </tr> <tr> <td>1800'</td> <td>1800'</td> <td></td> </tr> <tr> <td>1850'</td> <td>1850'</td> <td></td> </tr> <tr> <td>1900'</td> <td>1900'</td> <td></td> </tr> <tr> <td>1950'</td> <td>1950'</td> <td></td> </tr> <tr> <td>2000'</td> <td>2000'</td> <td></td> </tr> <tr> <td>2050'</td> <td>2050'</td> <td></td> </tr> <tr> <td>2100'</td> <td>2100'</td> <td></td> </tr> <tr> <td>2150'</td> <td>2150'</td> <td></td> </tr> <tr> <td>2200'</td> <td>2200'</td> <td></td> </tr> <tr> <td>2250'</td> <td>2250'</td> <td></td> </tr> <tr> <td>2300'</td> <td>2300'</td> <td></td> </tr> <tr> <td>2350'</td> <td>2350'</td> <td></td> </tr> <tr> <td>2400'</td> <td>2400'</td> <td></td> </tr> <tr> <td>2450'</td> <td>2450'</td> <td></td> </tr> <tr> <td>2500'</td> <td>2500'</td> <td></td> </tr> <tr> <td>2550'</td> <td>2550'</td> <td></td> </tr> <tr> <td>2600'</td> <td>2600'</td> <td></td> </tr> <tr> <td>2650'</td> <td>2650'</td> <td></td> </tr> <tr> <td>2700'</td> <td>2700'</td> <td></td> </tr> <tr> <td>2750'</td> <td>2750'</td> <td></td> </tr> <tr> <td>2800'</td> <td>2800'</td> <td></td> </tr> <tr> <td>2850'</td> <td>2850'</td> <td></td> </tr> <tr> <td>2900'</td> <td>2900'</td> <td></td> </tr> <tr> <td>2950'</td> <td>2950'</td> <td></td> </tr> <tr> <td>3000'</td> <td>3000'</td> <td></td> </tr> </table>		FORMATION TOPS	LOG	SAMPLES	1500'	1500'		1550'	1550'		1600'	1600'		1650'	1650'		1700'	1700'		1750'	1750'		1800'	1800'		1850'	1850'		1900'	1900'		1950'	1950'		2000'	2000'		2050'	2050'		2100'	2100'		2150'	2150'		2200'	2200'		2250'	2250'		2300'	2300'		2350'	2350'		2400'	2400'		2450'	2450'		2500'	2500'		2550'	2550'		2600'	2600'		2650'	2650'		2700'	2700'		2750'	2750'		2800'	2800'		2850'	2850'		2900'	2900'		2950'	2950'		3000'	3000'		REMARKS: Predicted casing was set to further evaluate Viola. Ken Wallace 8-8-15 MERT 8-11-15 7:50 am 1 1/2 hr bed: set 8 1/2' to 209', 1/8" @ 210-212' 8-12-15 7:30 am d/d @ 2205', 1/2" @ 2207' + 160' 8-13-15 7:20 am P/D 2205', pay for DST #1 8-14-15 7:45 am d/d @ 2245', Ran DST #2 8-15-15 RTD 2300', Ran c-logs, set 5.5" @ 2324', 1/8" @ 2326'	
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LEGEND



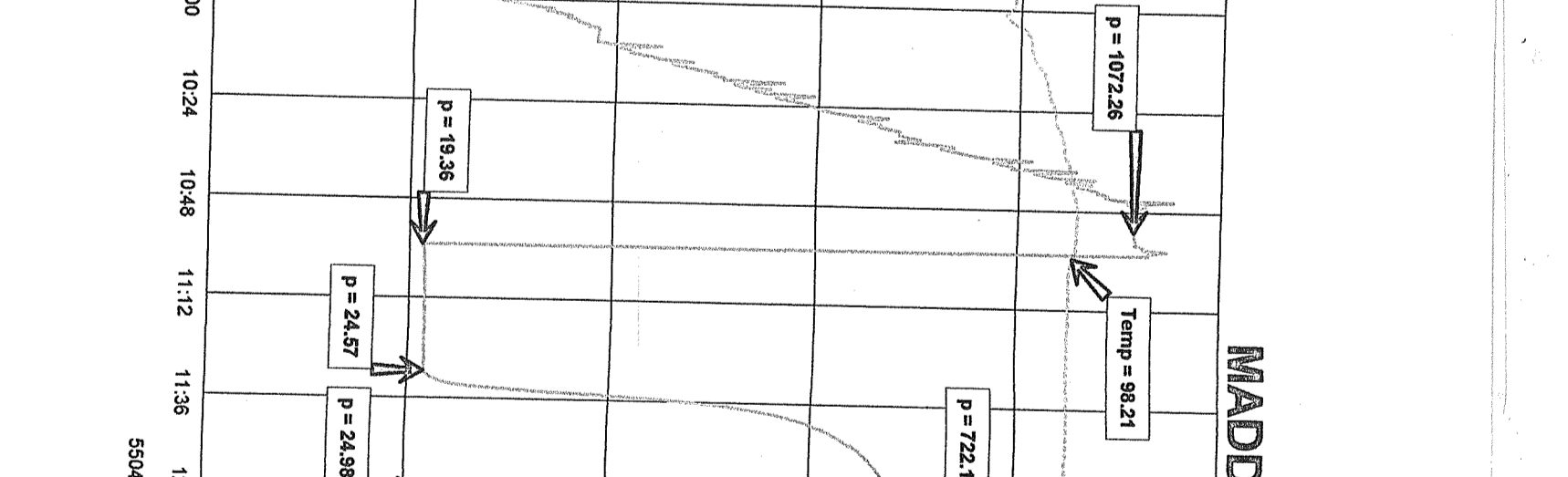
SCALE " = 100'



DIAMOND TESTING

General Information Report

General Information Company Name: RANGE OIL COMPANY, INC. Contact: JOHN WASHBURN Well Name: MADDEN B #1 Unique Well ID: DST #1, VIOLA, 2198-2205 Surface Location: SEC. 31-198-6E, CHASE CO. KS Field: PANTHER RANCH SW Well Type: Vertical Test Type: CONVENTIONAL Formation: DST #1, VIOLA, 2198-2205 Well Fluid Type: OI Oil		Representative Well Operator: TIM VENTERS Report Date: 2015/08/13 Prepared By: TIM VENTERS Qualified By: KEN WALLACE	
Start Test Date: 2015/08/13	Final Test Date: 2015/08/13	Start Test Time: 08:58:00	Final Test Time: 14:50:00



DIAMOND TESTING

General Information Report

General Information Company Name: RANGE OIL COMPANY, INC. Contact: JOHN WASHBURN Well Name: MADDEN B #1 Unique Well ID: DST #2, VIOLA, 2201-2215 Surface Location: SEC. 31-198-6E, CHASE CO. KS Field: PANTHER RANCH SW Well Type: Vertical Test Type: CONVENTIONAL Formation: DST #2, VIOLA, 2201-2215 Well Fluid Type: OI Oil		Representative Well Operator: TIM VENTERS Report Date: 2015/08/14 Prepared By: TIM VENTERS Qualified By: KEN WALLACE	
Start Test Date: 2015/08/13	Final Test Date: 2015/08/14	Start Test Time: 19:28:00	Final Test Time: 02:52:00

