

TIM PRIEST
Petroleum Geologist

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GEOLOGIST'S REPORT	
DRILLING TIME AND SAMPLE LOG	
COMPANY	SHAKESPEARE OIL CO.
LEASE	Otley #21
FIELD	Wildcat
LOCATION	150' NWL, 1050' FWL
COUNTY	21 Twsp 14S Rge 32W
CONTRACTOR	HD Drilling #2
SPUD	3-12-12
RTD	4-49-12
MUD UP	3500'
SAMPLES SAVED FROM	3600' to RTD
DRILLING TIME KEPT FROM	3600' to RTD
SAMPLES EXAMINED FROM	3650' to RTD
GEOLOGICAL SUPERVISION FROM	3700' to RTD
GEOLOGIST ON WELL	Tim Priest
ELECTRIC LOG	SAMPLE
Anhydrite	2207 (+555)
Heeberger Shale	3711 (-948)
Lansing	3737 (-974)
Benton	3744 (-989)
DST #1	(3744-3774)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 3", no return	FF: Built to 3 in., no return
Rec: 130 GIP, 170 OSMW	PP: 104.76@115.76
SIPs: 1158@11578	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
Other: 0.00ppm	Grav: 35
DST #2	(3744-3804)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 6 in., no return	FF: Built to 6 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #3	(3842-3862)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 7 in., no return	FF: Built to 7 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #4	(3845-4291)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 8 in., no return	FF: Built to 8 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #5	(3920-4292)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 9 in., no return	FF: Built to 9 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #6	(3942-4298)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 10 in., no return	FF: Built to 10 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #7	(4003-4034)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 11 in., no return	FF: Built to 11 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #8	(4187-4260)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 12 in., no return	FF: Built to 12 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #9	(4259-4363)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 13 in., no return	FF: Built to 13 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #10	(4269-4363)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 14 in., no return	FF: Built to 14 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #11	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 15 in., no return	FF: Built to 15 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #12	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 16 in., no return	FF: Built to 16 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #13	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 17 in., no return	FF: Built to 17 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #14	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 18 in., no return	FF: Built to 18 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #15	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 19 in., no return	FF: Built to 19 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #16	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 20 in., no return	FF: Built to 20 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #17	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 21 in., no return	FF: Built to 21 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #18	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 22 in., no return	FF: Built to 22 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #19	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 23 in., no return	FF: Built to 23 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #20	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 24 in., no return	FF: Built to 24 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #21	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 25 in., no return	FF: Built to 25 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #22	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 26 in., no return	FF: Built to 26 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #23	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 27 in., no return	FF: Built to 27 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #24	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 28 in., no return	FF: Built to 28 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #25	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 29 in., no return	FF: Built to 29 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #26	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 30 in., no return	FF: Built to 30 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #27	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 31 in., no return	FF: Built to 31 in., no return
Rec: 3 CO, 220 MW	PP: 104.76@122#
Fps: 36-116@119-195#	SIPs: 1158@11578
SIPs: 1078@1074#	HSPs: 1224@11768
BHT: 112 deg F	Chlor: 56.00ppm
DST #28	(4336-4414)
Production 5-12" @ 4490	30'-30'-45'-60'
IF: BOB in 32 in., no return</	