

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem test giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Soil & Clay	0'	14'
Sand & Gravel	14'	24'
Shale	24'	59'
Lime	59'	67'
Shale	67'	83'
Lime	83'	99'
Shale	99'	108'
Lime	108'	116'
Shale	116'	121'
Lime	121'	141'
Shale	141'	176'
Lime	176'	194'
Shale	194'	254'
Lime	254'	260'
Shale	260'	265'
Lime	265'	283'
Shale	283'	301'
Lime	301'	309'
Shale	309'	337'
Lime	337'	342'
Shale	342'	356'
Lime	356'	386'
Shale	386'	392'
Lime	392'	416'
Shale	416'	419'
Lime	419'	434' Hertha
Shale	434'	602'
Lime	602'	608'
Shale	608'	611'
Lime	611'	616'
Shale	616'	620'
Lime	620'	630'
Shale	630'	644'

Name	Top	Bottom
Lime	644'	647'
Shale	647'	653'
Lime	653'	655'
Shale	655'	660'
Lime	660'	663'
Shale	663'	665'
Lime	665'	669'
Shale	669'	681'
Lime	681'	683'
Shale	683'	688'
Lime	688'	690'
Shale	690'	692'
Lime	692'	694'
Shale	694'	695'
Lime	695'	696'
Shale	696'	698'
Sandy Shael	698'	699'
Broken Sand	699'	700'
(Oil shoe core)		
Broken Sand	700'	701'
Shale	701'	702'
(Limey)		
Broken Sand	702'	703'
Solid Sand	703'	708'
(Good sand)		
Broken Sand	708'	713'
Shale	713'	765'
(T. D.)		

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 completion	9 1/4	6 3/4		40'	Portland	16	2% Gel
	5 1/8ths	2 7/8ths		755'	" "		" "

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2/ft	699.5' - 705.5'		

Date Commission Expires 2/15/88 Robert J. Schachtner