INTERVAL SHEET

Page 1

VDMR WELL NO.: 517

Date 9-7-61

Sample Interval: from 0 to 403 ½

PROP: Western State Hospital Well #1

Total Depth

COMP: Sydnor

Oil Gas Water x Exploratory

COUNTY: Augusta

Cuttings x Core Other

From-To	From-To	From-To	From-To (WASHED SAMPLES)	From-To (WASHED SAMPLES)
-	0 - 10	300 - 310	0 - 10	300 - 310
-	10 - 20	310 - 320	10 - 20	310 - 320
-	20 - 30	320 - 330	20 - 30	320 - 330
-	30 - 40	330 - 340	30 - 40	330 - 340
-	40 - 50	340 - 350	40 - 50	340 - 350
-	50 - 60	350 - 360	50 - 60	350 - 360
-	60 - 70	360 - 370	60 - 70	360 - 370
-	70 - 80	370 - 380	70 - 80	370 - 380
-	80 - 90	380 - 390	80 - 90	380 - 390
-	90 - 100	390 - 403½	90 - 100	390 - 403½
-	100 - 110	-	100 - 110	-
-	110 - 120	-	110 - 120	-
-	120 - 130	-	120 - 130	-
-	130 - 140	-	130 - 140	-
-	140 - 150	-	140 - 150	-
-	150 - 160	-	150 - 160	-
-	160 - 170	-	160 - 170	-
-	170 - 180	-	Missing	-
-	180 - 190	-	Missing	-
-	190 - 200	-	190 - 200	-
-	200 - 210	-	200 - 210	-
-	210 - 220	-	210 - 220	-
-	220 - 230	-	220 - 230	-
-	230 - 240	-	230 - 240	-
-	240 - 250	-	240 - 250	-
-	250 - 260	-	250 - 260	-
-	260 - 270	-	260 - 270	-
-	270 - 280	-	270 - 280	-
-	280 - 290	-	280 - 290	-
-	290 - 300	-	290 - 300	-

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

WWCR 184
VDMR 517

WATER WELL COMPLETION REPORT

OWNER: Western State Hospital #1 Mailing Address: Staunton

TENANT: Mailing Address:

DRILLER: Sydnor Mailing Address:

WELL LOCATION: County Augusta Approx. ft. miles

(direction) of Staunton and ft. miles of

(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers, etc. - on county highway or other map.)

WATER CONDITIONS

DEPTH

STATIC WATER LEVEL 17½

WATER ZONES (fissures or formations supplying water)

(from)	(to)	(from)	(to)
86 ft.	238	375 ft.	418
115 ft.	245	395-415 ft.	

QUANTITY OF WATER

WELL PUMPED (or bailed) at 160 Gal. per Min. with 15 feet DRAWDOWN after 7 HOURS PUMPING.

FLOW (natural) G.P.M. HEAD ft. (above ground)

REMARKS:

QUALITY OF WATER

COLOR TASTE

ODOR OTHER

ANALYSIS: AVAILABLE— Yes ☐ No ☐: ATTACHED Yes ☐ No ☐

TEMPERATURE 57° (1940)

WATER (from) ft. (to) ft.
(salt, brackish, iron, sulfur, acid, other)

USE OF WATER: Domestic ☐ Town ☐ Industry ☐ Farm ☐ Public ☐

N

Ltr. dtd. Nov. 20, 1956
Well is located right next to boiler rm. (at Western State Hosp.). Drilled well in 1905; pumped some 300 gpm; in 1940 tested with 4" Pomona turbine pump because of the 5" relining pipe; results were satisfactory.

W E

S

CONSTRUCTION

RIG TYPE (or method) (rotary, cable, bored, driven, etc..)

DATE: Started ; Completed 8/19/1905

TOTAL DEPTH 426 ft.

BEDROCK at 20 ft.

GROUTING INFORMATION

METHOD USED

GROUTING MATERIAL

DEPTH OF GROUTING

HOLE SIZE

(diam) in	(from) ft	(to) ft
10	0	49
8	40	426

CASING SIZE

(diam) in	(from) ft	(to) ft
10	0	20
8	0	50

SCREEN (or perforations)

(diam.) in	(from) ft	(to) ft	(opening size)

PUMP (installed)

TYPE Domona turbine Cap. (gpm)

H.P. Depth of intake 65 ft.

REMARKS:

Log of well (over)

LOG

FURNISHED BY Sydnor DATE: _____

DEPTH (feet) FROM	DEPTH (feet) TO	TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc)	REMARKS (water, caving, shot, screen, sample, etc.)
0	22	Earth	10" hole
22	49	Rock	10"
49	90	Rock	8"
		Bad crevice with mud at 38' to 42'. Holde dry to 86' then struck seam with lots of muddy water.	Pipe: 19½' of 10" pipe to rock (blue Ls.); 50' of 8" pipe to reline
90	143	Rock	
		Bad crevice at 115 ft. mud runs in all the time.	
143	202	Rock. Mud still running in	
202	243	Rock. Struck 18" or 2' crevice at 238' and at 245' a crevice on a drift with hard clay in it.	
243	262	Rock. Rock falling in and catching tools	
262	325	Rock. From 295 to 305' clay seams with soft shelly rock. From 310 to 313' layers of clay and rock.	
325	370	Rock. From 325 to 340'to 370 dark limestone: much harder	
370	420	Rock. Good supply of water; At 375' opening of about 18". From 395' to 415' break in the rock w/clay and thin shells of rock. At 418' crevice with water.	
420	426	Rock. Cave; had to stop or reline.	
	#1		
Pump	Test	24 hrs. testing well	
		Pumped 125 gpm at 115 ft.	
		" 145 " at 95 ft.	
		" 160 " at 65 ft.	
		Water was almost entirely clear before stopped pumped. Sand line broke 2 ft. from end and let pump fall over in cave where could not get hold of it.	
		Aug. 19, 1906 (cont.)	
		Freight paid on pipe and pump to test well.	

(Use additional sheets if necessary)

OWNER: Western State Hospital # 1 VDMR: #517
DRILLER: Sydnor Pump and Well Co., Inc. WWCR: #184
COUNTY: Augusta DEPTH: 426'

P-#184

Test # 1

Date	Hrs.	Depth	GPM	Remarks
8/19/05		115'	125	24 hrs. testing well; water muddy
		95'	145	
		65'	160	Water was almost entirely clear before stopped pump.

Test # 2

5/29/40	44	186'	97	14½' drawdown
	7	66'	128	15' drawdown